

City of Hattiesburg, MS

*200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401*



Meeting Agenda - Final

Tuesday, December 19, 2017

5:00 PM

Council Chambers

City Council

I. Call to Order**II. Call to Prayer and Pledge of Allegiance****III. Agenda Order****IV. PRESENTATION AGENDA****V. POLICY AGENDA**

- V.-1 2017-918** Adopt an Ordinance for the petition filed by The City of Hattiesburg to amend Sections 5, 11, 12 and 13 of the Land Development Code, adopted February 21, 2017, to clarify language; define or clarify terms and uses; establish additional uses; modify certain permitted uses and potential conditions; address various issues on which the code is silent; clarify processes and authority for the City Council, Planning Commission, and Board of Adjustment; better align administration and enforcement with state law; and define the composition and terms of office for the Planning Commission and Board of Adjustments. The Planning Commission recommended to APPROVE with amendments on December 6, 2017.

Attachments:

Dec HPC BOA Minutes
Ordinance - LDC Amendment as amended
LDC Amendment Fact Sheet
LDC Amendment Memo
Table 5.1 - showing proposed edits - 11-2017
ORD#3222, executed Ordinance - LDC Amendment as amended

- V.-2 [2017-917](#)** Approve or Deny a petition filed by Clint Walker, Applicant, to vary from Section 10.13.6 which states "Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures." And instead replace 1 static billboard structure for a variance of 2 static billboard structures for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3). The Board of Adjustment recommended to APPROVE on December 6, 2017.

Attachments:

[Dec HPC BOA Minutes](#)
[Billboard Conversion Variance Form](#)
[Walker Digital Variance Request](#)

- V.-3** [2017-915](#) Approve or Deny a petition filed by Clint Walker, Applicant, to request a permit for a replacement “Digital Billboard” as provided in Section 10.13.6 and all applicable regulations for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3). The Planning Commission recommended to APPROVE, contingent upon the approval of a variance from Section 10.13.6, on December 6, 2017.

Attachments: [Dec HPC BOA Minutes](#)
[Walker Digital Billboard - report](#)

- V.-4** [2017-924](#) Adopt Resolutions adjudicating and directing the placement of an assessment for cleanup costs, not to exceed the value of the property per State law, as per the attached list.

Attachments: [Resolution memo to adjudicate, 12-19-17](#)
[1. 504 Broad St](#)
[2. 706 E 7th St](#)
[3. 717 E 7th St](#)
[4. 719 Webster](#)
[5. 720 E 7th St](#)
[6. 800 E. 7TH ST](#)
[7. 1418 Kinnard St](#)
[8. 2507 W 7th St](#)
[RES#2017-183, executed & recorded, 1. 504 Broad St](#)
[RES#2017-184, executed & recorded, 2. 706 E 7th St](#)
[RES#2017-185, executed & recorded, 3. 717 E 7th St](#)
[RES#2017-186, executed & recorded, 4. 719 Webster](#)
[RES#2017-187, executed & recorded, 5. 720 E 7th St](#)
[RES#2017-188, executed & recorded, 6. 800 E. 7TH ST](#)
[RES#2017-189, executed & recorded, 7. 1418 Kinnard St](#)
[RES#2017-190, executed & recorded, 8. 2507 W 7th St](#)

- V.-5** [2017-920](#) Adopt Resolution authorizing Application to the Transportation Alternatives Program (TAP) administered by MDOT for a grant to be used for the Green Street / Hardy Street Roundabout Project; Authorize Mayor to execute certification document and other documents required for said application.

Attachments: [TAP Project Application](#)
[Certification Letter](#)
[Resolution \(Roundabout\)](#)
[RES#2017-191, executed Resolution \(Roundabout\)](#)

- V.-6** [2017-921](#) Adopt Resolution authorizing Application to the Transportation Alternatives Program (TAP) administered by MDOT for a grant to be used for the Lillie Burney Sidewalk Project; Authorize Mayor to execute certification document and other documents required for said application.

Attachments: [TAP Application](#)
 [Legal Certification Letter](#)
 [Resolution \(Lillie Burney\)](#)
 [RES#2017-192, executed Resolution \(Lillie Burney\)](#)

- V.-7** [2017-914](#) Authorize Publication of Notice of Final Settlement for contract with Fairley Construction Services, for the Gordon's Creek Repair project. Authorize payment of Final Pay Application in the amount of \$243,440.45.

Attachments: [Notice of Final Settlement](#)
 [Closeout Documents](#)
 [executed Notice of Final Settlement - Fairley Construction Services](#)

- V.-8** [2017-937](#) Acknowledge declaration of state of local emergency due to the winter snow storm that occurred in Hattiesburg on December 8, 2017, and end said State of Local Emergency.

Attachments: [12-19-End State of Emergency](#)
 [executed 12-19-End State of Emergency](#)

- V.-9** [2017-929](#) Acknowledge receipt of Judgment from the Forrest County Special Court of Eminent Domain in Civil Action No. CO17-0984, City of Hattiesburg v. Stephen R. Dryden, Mary C. Dryden and New Growth LLC; Authorize issuance of manual check in accordance with judgment.

Attachments: [Judgment CO17-0984](#)

- V.-10** **2017-936** Adopt a Resolution appointing Lamar Rutland as Director of Engineering for the City of Hattiesburg.

Attachments: RES - L. Rutland, City Engineer, 12-19-17
 Applicant - Rutland, Lamar - 7_6_2017_
 Lamar Rutland 070617_
 RES#2017-193, executed RES - L. Rutland, City Engineer, 12-19-17

- V.-11** [2017-941](#) Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Excel Injection Molding, Inc. for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending on December 31, 2026, with a true total value of \$ 476,385.50 or the amount approved by the Mississippi Department of Revenue.

Attachments: [ADP Letter-Excel](#)
 [Excel Reso-2017](#)
 [County Statement Statement-Excel](#)
 [2017-Excel App](#)
 [RES#2017-194, executed Excel Reso-2017](#)

- V.-12** [2017-944](#) Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Green Bay Converting, Inc. for a period not to exceed ten (10) years, commencing December 31, 2017 and ending December 31, 2026, with a true total value of \$1,561,338.30 or the amount approved by the Mississippi Department of Revenue.

Attachments: [Green Bay Reso](#)
 [County Statement-Green Bay](#)
 [2017 Green Bay App](#)
 [Green Bay- ADP 2017](#)
 [RES#2017-195, executed Green Bay Reso](#)

- V.-13** [2017-940](#) Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Mar-Jac Poultry MS, LLC for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending December 31, 2026, with a true total value of \$2,913,838.50 or the amount approved by the Mississippi Department of Revenue.

Attachments: [Mar-Jac County Statement](#)
 [Mar-Jac Resolution](#)
 [ADP-Mar-Jac](#)
 [Mar-Jac App](#)

- V.-14** [2017-945](#) Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Wis-Pak of Hattiesburg, LLC. for a period not to exceed ten (10) years, commencing December 31, 2017 and ending December 31, 2026, with a true total value of \$6,355,858.44 or the amount approved by the Mississippi Department of Revenue.

Attachments: [Wis-Pak Resolution 2017](#)
 [County Statement-Wis Pak](#)
 [Wis-Pak App 2017](#)
 [Wis-Pak-2017 ADP](#)
 [RES#2017-196, executed Wis-Pak Resolution 2017](#)

- V.-15** [2017-943](#) Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Zeon Chemicals, for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending December 31, 2027, with a true total value of \$1,106,469.82 or the amount approved by the Mississippi Department of Revenue.

Attachments: [2017-Zeon Reso](#)
 [County Statement Zeon](#)
 [2017 Zeon App](#)
 [Zeon -ADP 2017](#)
 [RES#2017-197, executed 2017-Zeon Reso](#)

- V.-16** [2017-913](#) Authorize Change Order No. 1 with M&M Services, for the Mt. Carmel Baptist Church Building B Demolition, in the amount of \$22,642.30 for necessary repairs to the existing building after demolition.

Attachments: [Change Order Request No. 1](#)

- V.-17 2017-926** Authorize City Attorney to file Eminent Domain suit pursuant to MS Code 21-37-21 on behalf of City of Hattiesburg to acquire property located off William Carey Parkway, Parcel #2-036K-21-008.00, PPIN 27434, known as the Historic Mount Olive Cemetery, for the purpose of assuming maintenance and upkeep of this historic site.

Attachments: MEMO, City Takeover of Historic Cemetery, 12-1-17
MEMO, City Takeover of Historic Cemetery, 11-17-17
Title Opinion - Mount Olive Cemetery - Forrest County, MS
Forrest County Land Survey Map of Parcel
Mississippi Department of Archives & History Letter, February 2017
Unattributed Summary on Mt. Olive Cemetery
Letter from Vernell Jackson to the Tatum Family
State Historical Marker Payment Responsibility Acknowledgement
State Historical Marker Request Form
Proposed Historical Marker Text
Image of Proposed Site of Historical Marker
Annotated Record of Related Correspondence
Warranty Deed Filed in Perry County, November 8, 1906
Warranty Deed Filed in Forrest County, July 10, 1917
Goals and Strategies - p. 33, Comprehensive Plan, 2008-2028

- V.-18 [2017-930](#)** Authorize payment to Main Street Restoration, LLC, for a total amount of \$16,276.17 covering the costs for the 2017 City Taxes in the amount \$6,326.17 and \$9,950.00 for environmental study, topographic survey and measured drawings for the property located at 825 North Main Street, formerly known as the Hattiesburg American Building.

Attachments: [Hattiesburg American Building Invoice](#)
[Hattiesburg American Building Tax Breakdown](#)

VI. ROUTINE AGENDA

- VI.-1 [2017-912](#)** Authorize Mayor to enter into an inspection/maintenance contract between the City of Hattiesburg and Malone Roofing Services, LLC for the roof at the Hattiesburg Police Department (temporary facility) located at 300 Klondyke St.

Attachments: [Parker-Memo](#)
[MRS-Contract](#)
[executed MRS-Contract](#)

- VI.-2 [2017-925](#) Acknowledge receipt of appointments by Municipal Court Judge Wes Curry of Armendia Esters and Ashley Fortenberry as Deputy Municipal Court Clerks.

Attachments: [Fortenberry-Oath](#)
 [Esters- Oath](#)

- VI.-3 [2017-898](#) Acknowledge receipt of Declaration of Forfeiture from the Mississippi Bureau of Narcotics forfeiting \$509.00 to the Hattiesburg Police Department and \$2,545.00 to the Mississippi Bureau of Narcotics.

Attachments: [Declaration of Forfeiture - Mississippi Bureau of Narcotics 2017](#)

- VI.-4 [2017-934](#) Approve Plans and Specifications for the COMSWIP Sewer Phase VIII project; Authorize advertisement for bids.

Attachments: [1273S010 Plans Street Ready Set Signed 2017-12-11](#)
 [1273-S010 Specs Street Ready 2017-12-12](#)
 [ADVERTISEMENT FOR BIDS](#)

- VI.-5 [2017-908](#) Approve plans and specifications for the Hattiesburg Public Safety Complex Demolition Project; Authorize advertisement for bids for same.

Attachments: [ADVERTISEMENT FOR BIDS 2017 Hattiesburg Public Safety Demo](#)
 [2017-12-07 HPSC Demo Package Bid Drawings](#)
 [2017-12-07 HPSC Demo Package Bid Specifications.pdf](#)

- VI.-6 [2017-910](#) Approve plans and specifications for the Tatum Soccer Field Lighting Project and authorize advertisement for bid for same.

Attachments: [Final Specs 11-28-2017](#)
 [Final Plans 11-29-2017](#)
 [Advertisement for Bids](#)
 [executed Advertisement for Bids - Tatum Soccer Field Lighting Project](#)

- VI.-7 [2017-922](#) Approve plans and specifications for the Sullivan Park Pavilion Project and authorize advertisement for bid for same.

Attachments: [PLAN SET](#)
 [Picture](#)
 [Specs 12-11-17](#)
 [Advertisement for Bids Sullivan Park](#)

- VI.-8** [2017-909](#) Approve the sale of grave spaces per attached receipts and memos.

Attachments: [Memos \(12-19-17\)](#)
 [Receipts \(12-19-17\)](#)
 [Deeds \(12-19-17\)](#)
 [executed Deeds \(12-19-17\)](#)

- VI.-9** [2017-911](#) Approve claims docket for the period ending December 15, 2017.

Attachments: [DOCKET 17.12-15](#)

- VI.-10** [2017-932](#) Acknowledge receipt of deeds and other documents listed below for the 28th Avenue Bridge project; authorize issuance of manual check or checks as required for closing on said properties.

Bennett V. York	Parcel No. 2-039J-20-093.00/094.00	
Special Warranty Deed		
Bennett V. York	Parcel No. 2-039J-20-093.00/094.00	Partial
release of Mortgages		
Mimosa LLC	Parcel No. 2-039K-019-014.00	Warranty
Deed		
Custom Services Corporation	Parcel No. 2-039J-020-097.00	
Special Warrant Deed		

Attachments: [Signed Partial Release.York](#)
 [Signed SWD.Custom Srvcs.1](#)
 [Signed SWD.York.1](#)
 [Signed WD.Mimosa.1](#)



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-918

File ID: 2017-918

Type: Ordinance

Status: Draft

Version: 2

Reference:

In Control: City Council

Requester:

File Created: 12/11/2017

Brief Title: Land Development Code - Amendment to Sections 5,
11, 12 and 13

Final Action: 12/19/2017

Minute Book Number: MB2017-475-476

Title:

Adopt an Ordinance for the petition filed by The City of Hattiesburg to amend Sections 5, 11, 12 and 13 of the Land Development Code, adopted February 21, 2017, to clarify language; define or clarify terms and uses; establish additional uses; modify certain permitted uses and potential conditions; address various issues on which the code is silent; clarify processes and authority for the City Council, Planning Commission, and Board of Adjustment; better align administration and enforcement with state law; and define the composition and terms of office for the Planning Commission and Board of Adjustments. The Planning Commission recommended to APPROVE with amendments on December 6, 2017.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-1

Sponsors:

Enactment Date:

Attachments: Dec HPC BOA Minutes, Ordinance - LDC Amendment as amended, LDC Amendment Fact Sheet, LDC Amendment Memo, Table 5.1 - showing proposed edits - 11-2017, ORD#3222, executed Ordinance - LDC Amendment as amended

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter:

Effective Date: 01/18/2018

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
2	City Council	12/19/2017	Adopt				Pass

Action Text: A MOTION was made by Council Vice President Dryden and seconded by Council Member George to Adopt an Ordinance (#3222) for the petition filed by The City of Hattiesburg to amend Sections 5, 11, 12 and 13 of the Land Development Code to clarify language; define or clarify terms and uses; establish additional uses; modify certain permitted uses and potential conditions; address various issues on which the code is silent; clarify processes and authority for the City Council, Planning Commission, and Board of Adjustment; better align administration and enforcement with state law; and define the composition and terms of office for the Planning Commission and Board of Adjustments. The Planning Commission recommended to APPROVE with amendments on December 6, 2017.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 5 - George, Delgado, Carroll, Dryden and Brown

Nays: 0

Yea: 5 Council Member George
 Council Member Delgado
 Council President Carroll
 Council Vice President Dryden
 Council Member Brown

Text of Legislative File 2017-918

Title

Adopt an Ordinance for the petition filed by The City of Hattiesburg to amend Sections 5, 11, 12 and 13 of the Land Development Code, adopted February 21, 2017, to clarify language; define or clarify terms and uses; establish additional uses; modify certain permitted uses and potential conditions; address various issues on which the code is silent; clarify processes and authority for the City Council, Planning Commission, and Board of Adjustment; better align administration and enforcement with state law; and define the composition and terms of office for the Planning Commission and Board of Adjustments. The Planning Commission recommended to APPROVE with amendments on December 6, 2017.

Summary

Land Development Code - Amendment to Sections 5, 11, 12 and 13

Budget Information

Expenditure Type

Purchasing Item

Publication Information

**MINUTES OF THE
REGULAR MEETING OF THE
HATTIESBURG PLANNING COMMISSION AND BOARD OF ADJUSTMENTS
December 6, 2017**

The Hattiesburg Planning Commission and Board of Adjustments did meet in a regular session on December 6, 2017 at 1:00 p.m. at the Jackie Dole Community Center, 220 West Front Street, Hattiesburg, Mississippi. Dick Conville, Chairman, presided over the meeting. A quorum was indicated and the attendance was as follows:

Commissioners Present: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Paul Sims
Jessie Wilson

Commissioners Absent: Rebekah Ray
Sandra Thompson

Board Members Present: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Paul Sims
Jessie Wilson

Board Members Absent: Rebekah Ray

Also Present: Ginger Maddox Lowrey, AICP, Planning Division Manager
Andrew Ellard, Director of Urban Development
Stephen Guthrie, Planner

Chairman Conville declared the meeting of the Hattiesburg Planning Commission and Board of Adjustments open and in session at 1:07 P.M.

INVOCATION

Chairman Conville held a moment of silence for the lives that were lost at Pearl Harbor.

AGENDA REVIEW

There came the matter of the December 2017 Agenda. Chairman Conville suggesting that the Planning Commission item B. be heard last. A request was made by Chairman Conville for a motion to amend the December 2017 Agenda as discussed. A motion was made to amend the December 2017 Agenda by Commissioner Hinton and seconded by Commissioner Corts. A request was made by Chairman Conville for a motion to approve the December 2017 Agenda as amended. A motion was made to approve the December 2017 Agenda as amended by Commissioner Corts and seconded by Commissioner Wilson.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Jessie Wilson

Commissioners voting nay: None
Commissioners absent: Paul Sims

MINUTES REVIEW

There came the matter of the November 1, 2017, minutes. A request was made by Chairman Conville for a motion to approve the November 1, 2017, minutes. A motion was made by Commissioner Miller to approve the minutes and seconded by Commissioner Hinton.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Jessie Wilson

Commissioners voting nay: None
Commissioners absent: Paul Sims

REPORTS

BUILDING REPORT

Steve Mitchell could not attend the meeting, but Planning Staff provided the council with Mr. Mitchell’s report.

PLANNING REPORT

There came the matter of the Planning Report by Ginger Maddox Lowrey, Planning Division Manager. On November 21, 2017 the City Council reviewed the following Hattiesburg Planning Commission recommendations and voted as follows: Donald Crowther rezone of 5066 Old Hwy 42 from I-1 to B-5 (HPC approval upheld). The City Council reviewed the following Hattiesburg Board of Adjustments recommendations and voted as follows: William Brown, Todd Mixon, Duff Real Estate Inc., sign variance for 6393 US Hwy 98 (BOA approval upheld); Kerri Little, Charlie Rodgers, Rodgers Oil, sign variance for 4100 Hardy St. (BOA approval upheld).

CHAIRMAN’S REPORT

There came the matter of the Chairman’s Report. There was none.

PUBLIC HEARING – PLANNING COMMISSION

Chairman Conville declared the Public Hearing for the Planning Commission open at 1:15 P.M. and read the rules and procedures of the hearing.

There came the matter of Item A (Digital Billboard - Replacement), filed by Clint Walker, Applicant, as required in the Land Development Code, Ord. No. 3209, to request a permit for a replacement “Digital Billboard” as provided in Section 10.13.6 and all applicable regulations for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3).

	Name	Address	City/State
<u>Presented by:</u>	Clint Walker	6565 US Hwy 98	Hattiesburg, MS
	- Applicant		
<u>Proponents:</u>	Jimmy Parker	6565 US Hwy 98	Hattiesburg, MS
<u>Opponents:</u>	Norman Beasley	29 West Lake Rd.	Hattiesburg, MS

Chairman Conville declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner Miller made a motion to approve the request contingent upon the approval of a variance from Section 10.13.6 which states “Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures.” and instead replace 1 static billboard structure for a variance of 2 static billboard structures. The motion was seconded by Commissioner Wilson.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Jessie Wilson

Commissioners voting nay: None

Commissioners absent: Paul Sims

PUBLIC HEARING – BOARD OF ADJUSTMENTS

Chairman Conville declared the Public Hearing for the Board for Adjustments open at 2:04 P.M.

There came the matter of Item A (Variance), filed by Clint Walker, Applicant, as required in the Land Development Code, Ord. No. 3209, to vary from Section 10.13.6 which states “Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures.” And instead replace 1 static billboard structure for a variance of 2 static billboard structures for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3).

	Name	Address	City/State
<u>Presented by:</u>	Clint Walker - Applicant	6565 US Hwy 98	Hattiesburg, MS
<u>Proponents:</u>			
<u>Opponents:</u>	Norman Beasley	29 West Lake Rd.	Hattiesburg, MS
	Kerri Little	7712 Hwy 49 N	Hattiesburg, MS

Chairman Conville declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner Miller made a motion to deny the request for a variance with the following criteria: that special conditions and circumstances do not exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same district; that literal interpretation of the provisions of this Code would not deprive the applicant of rights commonly enjoyed by other properties in the same district under the terms of this Code; that the special conditions and circumstances do result from the actions of the applicant; that granting the variance requested will confer on the applicant any special privilege that is denied by this Code to other lands, structures, or buildings in the same district. The motion died for a lack of a second.

Commissioner Corts made a motion to approve the request for a variance with the following criteria: that special conditions and circumstances do exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same district; that literal interpretation of the provisions of this Code would deprive

the applicant of rights commonly enjoyed by other properties in the same district under the terms of this Code. The motion was seconded by Commissioner Hinton.

Commissioner Hinton made a motion to amend the approval criteria to read as follows: that special conditions and circumstances do exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same district; that literal interpretation of the provisions of this Code would deprive the applicant of rights commonly enjoyed by other properties [companies] in the same district under the terms of this Code; on the condition that application seeks to bring the static billboard into compliance, by lowering height, total advertisement square footage, and total number of faces, as stated in Section 10.13.6.f. The motion to amend the approval criteria passed unanimously.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Jessie Wilson
Mark Miller

Commissioners voting nay: None

Commissioners absent: Paul Sims

The vote on the motion to approve is as follows:

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Jessie Wilson

Commissioners voting nay: Mark Miller

Commissioners absent: Paul Sims

PUBLIC HEARING – PLANNING COMMISSION

Chairman Conville declared the Public Hearing for the Planning Commission re-opened at 2:35 P.M.

There came the matter of Item B (LDC Amendment), filed by The City of Hattiesburg, as required in the Land Development Code, Ord. No. 3209, to amend the Land Development Code Section 5, Use Regulations and Conditions, Section 11, Administration and Enforcement, Section 12, Process and Procedure, and Section 13, Definitions. More specifically, amendments are proposed within 5.1, Establishment of a Table of Uses for Standard Districts; 5.2, Determination of Use Category; 5.3, Table of Uses; Table 5.1, Table of Uses; Table 5.4, Additional Use Conditions; 11.2, City Council; 11.3, Planning Commission; 11.4, Board of Adjustment; 11.6, Site and Design Review Committee; 11.7, Director of the Department of Urban Development.; 11.10, Enforcement; 12.3.1.1, Legislative Development Approvals; Process; and 13.2, Definitions. The general intent of the proposed amendment is an effort to clarify language in certain sections, to define or clarify definition of certain terms and uses for ease of interpretation, to establish additional uses that may be appropriate, to modify certain uses permitted and potential conditions thereof in certain zones, to address various issues in which the code is silent on conditions, to clarify processes and authority for the City Council, Planning Commission, and Board of Adjustment, to better align with state law on administration and enforcement, and to define the composition of and terms of office for the Planning Commission and Board of Adjustment. This is an abbreviated summary of the topics addressed in the proposed amendment, and interested parties are encouraged to contact City Hall or visit

www.HattiesburgMS.com to review the proposed amendment in its entirety.

	Name	Address	City/State
<u>Presented by:</u>	The City of Hattiesburg Planning Division		
<u>Proponents:</u>	Lou Mapp	102 St. Annes Drive	Hattiesburg, MS
<u>Opponents:</u>	None		

Chairman Conville declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner Hinton made a motion to approve the request to amend the Land Development Code as presented with the following amendments: Scribner’s errors in the proposal for 5.4.2.6.iii; 5.4.28.8; 5.4.28.10; 5.4.28.11; 11.7.4.9.;

That Table 5.1 be amended to show “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA as defined by the US EPA” as Permitted in A-1 zoning districts, and that this use be amended to be titled “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA.”;

That Section 5.4.7.2, paragraph (i) be amended to delete the second sentence: “Stored vehicles must have a current tag.”;

That Section 11.3 shall be deleted in its entirety and replaced with the following: “11.3 Planning Commission. The Hattiesburg Planning Commission has been created by the Mayor and City Council as an advisory committee to the City of Hattiesburg in zoning matters and is vested with the rights and responsibilities as provided in Mississippi Code Annotated Section 17-1-17 (1972), and established in the City of Hattiesburg Ordinance No. 1490. The Planning Commission shall have certain duties and responsibilities related to this Land Development Code including, but not necessarily limited to, the following: 11.3.1 Hear and make recommendations to the City Council regarding the adoption or amendment of the Hattiesburg Comprehensive Plan, special area plans, corridor plans, neighborhood plans, the Land Development Code, the Official Zoning Map, and any other plans and policies impacting growth and development of the City. 11.3.2 Hear and make recommendations to the City Council all requests for preliminary plats and final plats (when changes have been proposed) for major subdivisions. 11.3.3 Composition and terms: 11.3.3.1 That the Planning Commission shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council. Each appointee shall be appointed for a period of 5 years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. Each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the commission from three (3) regularly scheduled meetings without excuses shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a written and accepted excuse, the governing authorities may remove the absent member from the commission and appoint a new member to fill the vacancy. 11.3.3.2 Officers. The commission shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.3.4 Procedure: The Planning Commission shall adopt rules in accordance with the provision of these Regulations. Meetings of the Commission shall be held the first Wednesday of each month at 1 pm. All meetings of the Planning Commission shall be open to the public. The Planning Commission shall keep minutes of its meetings.”;

That Section 11.4.2 be amended to read “Composition and terms: 11.4.2.1 Membership: The Hattiesburg Board of Adjustment shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council for a term of three (3) years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. Each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the commission from three (3) regularly scheduled meetings without excuses shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a written and accepted excuse, the governing authorities may remove the absent member from

the commission and appoint a new member to fill the vacancy. 11.4.2.2 Officers: The Board of Adjustment shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.4.3 Procedure: The Board of Adjustment shall adopt rules in accordance with the provision of these Regulations. Meetings of the Board shall be held the first Wednesday of each month following the close of the Planning Commission public hearing. All meetings of the Board of Adjustment shall be open to the public. The Board of Adjustment shall keep minutes of its meetings.” The motion was seconded by Commissioner Corts.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Jessie Wilson
Paul Sims

Commissioners voting nay: None

Commissioners absent: Mark Miller

BUSINESS MEETING

There being no further business, the meeting was adjourned at 3:45 PM. Commissioner Wilson made a motion to adjourn the meeting. The motion was seconded at Commissioner Corts.

Dick Conville, Chairman

Ginger Maddox Lowrey, AICP, CFM, Planning Division Manager

Prepared by: City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601)545-4550

Return to: City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403
(601)545-4550

INDEXING INSTRUCTIONS:

**ORDINANCE NUMBER _____
OF THE
CITY OF HATTIESBURG, MISSISSIPPI**

**AN ORDINANCE AMENDING THE LAND DEVELOPMENT CODE,
ORDINANCE NUMBER 3209, AS AMENDED, SECTION 5, USE REGULATIONS AND
CONDITIONS, SECTION 11, ADMINISTRATION AND ENFORCEMENT, SECTION 12,
PROCESS AND PROCEDURES, AND SECTION 13, DEFINITIONS
FOR THE CITY OF HATTIESBURG, MISSISSIPPI.**

**BE IT ORDAINED BY THE MAYOR AND COUNCIL OF THE CITY OF
HATTIESBURG, MISSISSIPPI:**

SECTION 1. That the Land Development Code, Ordinance Number 3209, as amended, of the City of Hattiesburg, Mississippi, be further amended as follows:

That the Title of Section 5.1 be amended to read "Establishment of a Table of Uses for Base Zoning Districts."

That Section 5.1 be amended to read "The uses permitted in the base zoning districts established by Section 4 are set forth in Table 5.1, Table of Uses and repeated in the base zoning district. Whenever there is a conflict between what is listed in the Table of Uses and the base zoning district, the Table of Uses shall govern."

That Section 5.2 be amended such that the third sentence shall read "Any use not specifically listed in the Permitted Uses Table and any proposed use not substantially similar to a listed use as determined by the Director after consultation may be considered a "Conditional Use" and will require review by the Hattiesburg Planning Commission."

That Section 5.3.2 be amended such that the first sentence shall read "The Table of Uses lists uses for each base zoning district within the City's zoning jurisdiction."

That Section 5.3.3.1 be amended to be titled "Permitted."

That Section 5.3.3.2 be amended to be titled “Permitted with Conditions.”

That Section 5.3.3.2 be amended to strike the following sentence: “Further, a use with conditions may be subject to Planning Commission review.”

That Section 5.3.3.3 be amended to be titled “Conditional Use.”

That Section 5.3.3.4 be amended to be titled “Not Permitted.”

That Table 5.1 be amended such that the Additional Use Conditions Cross Reference column is updated to accurately reflect the applicable condition section within Section 5.4 based upon these amendments.

That Table 5.1 be amended to clarify that the following uses are Not Permitted in a B-1 zoning district: “Adult entertainment,” “Agriculture related feed, supply and equipment sales and service,” “Airport, public or private,” “Amusement facilities,” “Animal husbandry – for profit and research related, excluding CAFOs as defined by the US EPA,” “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA,” “Animal shelter,” “Aquaculture – for profit and research related,” “Armory,” “ATM, outdoor,” and “Auction house.”

That Table 5.1 be amended to show “Airport, public or private” as Permitted in A-1 zoning districts and Not Permitted in A-2 zoning districts.

That Table 5.1 be amended to show “Animal husbandry – for profit and research related, excluding CAFOs as defined by the US EPA” as Permitted in A-1 and A-2 zoning districts.

That Table 5.1 be amended to show “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA as defined by the US EPA” as Permitted in A-1 zoning districts, and that this use be amended to be titled “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA.”

That Table 5.1 be amended to show “Aquaculture – for profit and research related” as Permitted in A-1 zoning districts.

That Table 5.1 be amended to add “Automotive filling station” as a new use to be Permitted in B-3, B-5, I-1, and I-2 zoning districts; to be a Conditional Use in B-2 and B-4 zoning districts; and to be Not Permitted in all other zoning districts.

That Table 5.1 be amended by changing the title of the use “Automotive/truck and maintenance” to “Automotive, truck, and small engine maintenance” and that it be further amended to show as Not Permitted in B-1 zoning districts and shown as Permitted in I-1 and I-2 zoning districts.

That Table 5.1 be amended by changing the title of the use “Automotive/truck repair” to “Automotive, truck, and small engine repair” and that it be further amended to show as Permitted in I-1 and I-2 zoning districts.

That Table 5.1 be amended to show “Bus stations” as Permitted in B-3, B-4, B-5, I-1, and I-2 zoning districts.

That Table 5.1 be amended to show “Care center, home” as Conditional Use in R-1A, R-1B, R-1C, R-2, and R-3 zoning districts.

That Table 5.1 be amended to show “Correctional facilities and jails” as Conditional Use in B-5, I-1, and I-2 zoning districts.

That Table 5.1 be amended to show “Dry cleaner” as Permitted in I-1 and I-2 zoning districts.

That Table 5.1 be amended to show “Dwelling, single family attached” as Permitted in B-1 zoning districts.

That Table 5.1 be amended to show “Dwelling, single family detached” as Permitted in B-1 zoning districts.

That Table 5.1 be amended to show “Dwelling, two family” as Permitted with Conditions in B-1 zoning districts and to correct the cross reference to the applicable code section within Section 5.4.

That Table 5.1 be amended to add “Dwelling, mixed use” as a new use to be Permitted with Conditions in B-4 zoning districts, Conditional Use within B-2 and B-3 zoning districts, and Not Permitted in all other zoning districts.

That Table 5.1 be amended to show “Dwelling, zero lot line detached” as Permitted in B-1 zoning districts.

That Table 5.1 be amended to show “Fairgrounds and stadiums, public or private” as Permitted in B-5 and I-1 zoning districts, and as Conditional Use in A-1 and A-2 zoning districts.

That Table 5.1 be amended to show “FDIC financial institutions and mortgage companies, excluding check cashing agencies” as Permitted in B-2 zoning districts.

That Table 5.1 be amended to show “Gallery, museum, and library” as a Conditional Use in R-1A, R-1B, R-1C, R-2, R-3, and B-1 zoning districts.

That Table 5.1 be amended to show “Gated communities” as Conditional Use in R-1A zoning districts.

That Table 5.1 be amended to show “Government center/complex and offices” as Permitted in B-1, I-1, and I-2 zoning districts.

That Table 5.1 be amended to show “Hospital and outpatient clinic” as Permitted in B-3, B-4, and B-5 zoning districts.

That Table 5.1 be amended to show “Lodging – hotel, motel, tourist home” as Permitted in B-3 zoning districts.

That Table 5.1 be amended to show “Medical or dental office” as Permitted in B-2 zoning districts.

That Table 5.1 be amended to add “Methodone maintenance facility” as a new use, shown as a Conditional Use in B-3 and B-5 zoning districts and as Not Permitted in all other zoning districts.

That Table 5.1 be amended by changing the title of the use “Motor vehicle rental and sales” to “Automotive rental and sales” which shall be moved ordered among uses alphabetically in the table and shall show as Not Permitted in B-1 zoning districts and changed to Permitted with Conditions in B-3 zoning districts.

That Table 5.1 be amended by striking the use “Open storage.”

That Table 5.1 be amended to show “Other professional office” as Permitted in I-2 zoning districts.

That Table 5.1 be amended to show “Parking garage” as Permitted in R-3, B-3, B-4, and B-5 zoning districts.

That Table 5.1 be amended to add “Plasma collection facility” as a new use, shown as a Conditional Use in B-5 zoning districts and Not Permitted in all other zoning districts.

That Table 5.1 be amended to show “Places of assembly not otherwise listed” as Conditional Use in R1-A, R-1B, R1-C, R-2, and R-3 zoning districts.

That Table 5.1 be amended to show “Product wholesale” as Permitted in B-5, I-1, and I-2 zoning districts.

That Table 5.1 be amended to correct coloration on the chart for “Railroad maintenance yard,” “Recycling center,” “Sanitary landfill,” “Satellite receiving systems,” and “Sewage disposal plant.”

That Table 5.1 be amended to show “Restaurant, without drive-thru” as Conditional Use in B-1 and B-2 zoning districts and to include the appropriate cross reference to the applicable conditions in Section 5.4.

That Table 5.1 be amended to show “Retail, <10,000 sq. ft.” as Not Permitted in B-1 zoning districts.

That Table 5.1 be amended to show “Sanitary landfill” as Conditional Use in I-2 zoning districts.

That Table 5.1 be amended by striking the uses “Seasonal uses and markets.”

That Table 5.1 be amended to show “Siviculture – for profit and research-related” as Permitted in A-1 and A-2 zoning districts.

That Table 5.1 be amended to show “Storage of junk, junk vehicles, salvage materials, and waste” as Conditional Use in A-1 zoning districts and to include the appropriate cross reference to the applicable conditions in Section 5.4.

That Table 5.1 be amended to add “Solar farm” as a new use, shown as Conditional Use in R-1A, R-2, A-1, A-2, I-1, and I-2 zoning districts and to include the appropriate cross reference to the applicable conditions in Section 5.4.

That Table 5.1 be amended to show “Tattoo parlor” as Permitted in B-3 and B-4 zoning districts.

That Table 5.1 be amended to include applicable cross reference for conditions for “Tow yards (impound lots),” the same as those referenced for “Storage of junk, junk vehicles, salvage materials and waste” uses.

That Section 5.4.1.2 be amended to read “Prior to the installation of any Antenna or tower covered by this ordinance the owner of such Antenna or tower shall make written application as required and include all information required therein.” All other language in Section 5.4.1.2 to be stricken.

That Section 5.4.2.6 be amended by adding paragraph (iii) to read “Accessory residential structures shall be five (5) feet from the rear property line and five (5) feet from the side property line. No accessory structure on a corner lot shall project beyond the front yard line of the lots in the rear.”

That Section 5.4.5.4 be deleted in its entirety.

That Section 5.4.7.1 be amended by adding paragraph (vi) to read “Any mobile detailing service must utilize a water containment system to prevent stormwater system pollution.”

That Section 5.4.7.2, paragraph (i) be amended to delete the second sentence: “Stored vehicles must have a current tag.”

That Section 5.4.8.5 be amended such that the third sentence shall read “The guest book may serve as evidence in the event that the bed and breakfast or commercial meeting privilege is in question.”

That Section 5.4.16 be deleted in its entirety.

That the Title of Section 5.4.18 be amended to read “Dwelling, Two-Family and Multi-Family.”

That Section 5.4 be amended by adding a new subsection of conditions entitled “Dwelling, Mixed-Use.” Conditions shall include that “Non-residential uses must be uses permitted within the zoning district,” “Dwelling in conjunction with uses permitted within the same zoning district provided that mixed residential and non-residential uses are located within the same structure,” and “No more than 50% of the ground floor of a building may be a dwelling use.”

That the Title of Section 5.4.28 shall be amended to read “Dwelling, manufactured (mobile) home.”

That Section 5.4.28 shall be amended such that the text following the title shall read “One Dwelling, manufactured (mobile) home allowed per lot. Manufactured homes on individual lots shall meet the following requirements:”.

That Section 5.4.28.2 shall be amended to read “Anchoring and Foundation. Homes shall be installed and anchored according to State Fire Marshal requirements.”

That Section 5.4.28.6 shall be amended to read “Placement. All homes shall meet setbacks and be placed on the lot in harmony with the existing structures.”

That Section 5.4.28.8 shall be amended to read “Skirting. Skirting or other solid screen shall be installed to enclose the foundation of the structure and crawl space and shall be complimentary to the design of the structure.”

That Section 5.4.28.9 shall be deleted in its entirety.

That Section 5.4.28.10 shall be amended to read “Porch Required. All manufactured homes shall have either a deck or porch with steps at each entrance constructed and installed in accordance with the standards set forth by the current building codes. The minimum square footage of the floor of such porch or deck shall measure at least 36 square feet.”

That Section 5.4.28.11 shall be amended to read “Age. No home not meeting current codes may be relocated or moved onto a lot.”

That Section 5.4.38 shall be deleted in its entirety.

That Section 5.4 be amended by adding a new subsection of conditions entitled “Storage of junk, junk vehicles, salvage materials and waste.” Conditions shall include that “The storage area shall be screened from view of the neighbors and the public by solid fencing or natural terrain of trees or vegetation, a minimum of six (6) feet in height.”

That Section 5.4.42 shall be deleted in its entirety.

That Section 5.4 be amended by adding a new subsection of conditions entitled “Dry cleaner.” Conditions shall include that “No processing on site for zones listed as Permitted with Conditions.”

That Section 11.2.7 be amended to read “Hear and decide requests for preliminary plats and final plats for major subdivisions.”

That Section 11.2.8 be amended to read “Hear and decide recommendations of, or appeals from, the recommendations of the Planning Commission, Board of Adjustment, and Historic Conservation Commission.”

That Section 11.2 be amended to add a new subsection to read “Hear and decide requests for appeal to interpretations of this Code made by the Director.”

That Section 11.3 shall be deleted in its entirety and replaced with the following: “11.3 Planning Commission. The Hattiesburg Planning Commission has been created by the Mayor and City Council as an advisory committee to the City of Hattiesburg in zoning matters and is vested with the rights and responsibilities as provided in Mississippi Code Annotated Section 17-1-17 (1972), and established in the City of Hattiesburg Ordinance No. 1490. The Planning Commission shall have certain duties and responsibilities related to this Land Development Code including, but not necessarily limited to, the following: 11.3.1 Hear and make recommendations to the City Council regarding the adoption or amendment of the Hattiesburg Comprehensive Plan, special area plans, corridor plans, neighborhood plans, the Land Development Code, the Official Zoning Map, and any other plans and policies impacting growth and development of the City. 11.3.2 Hear and make recommendations to the City Council all requests for preliminary plats and final plats (when changes have been proposed) for major subdivisions. 11.3.3 Composition and terms: 11.3.3.1 That the Planning Commission shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council. Each appointee shall be appointed for a period of 5 years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. Each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the commission from three (3) regularly scheduled meetings without excuses shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a

written and accepted excuse, the governing authorities may remove the absent member from the commission and appoint a new member to fill the vacancy. 11.3.3.2 Officers: The commission shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.3.4 Procedure: The Planning Commission shall adopt rules in accordance with the provision of these Regulations. Meetings of the Planning Commission shall be held the first Wednesday of each month at 1 pm. All meetings of the Planning Commission shall be open to the public. The Planning Commission shall keep minutes of its meetings.”

That Section 11.4 shall be amended such that the second sentence of the text following the title shall read “At its discretion, the city council may decide to delegate any or all such duties and responsibilities to another board.”

That Section 11.4.2 be amended to read “Composition and terms: 11.4.2.1 Membership: The Hattiesburg Board of Adjustment shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council for a term of three (3) years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. Each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the commission from three (3) regularly scheduled meetings without excuses shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a written and accepted excuse, the governing authorities may remove the absent member from the commission and appoint a new member to fill the vacancy. 11.4.2.2 Officers: The Board of Adjustment shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.4.3 Procedure: The Board of Adjustment shall adopt rules in accordance with the provision of these Regulations. Meetings of the Board shall be held the first Wednesday of each month following the close of the Planning Commission public hearing. All meetings of the Board of Adjustment shall be open to the public. The Board of Adjustment shall keep minutes of its meetings.”

That Section 11.6.2 be amended to read “Decides requests for preliminary plats for minor subdivisions.”

That Section 11.6.3 be amended to read “Recommends requests for preliminary and final plats of major subdivisions.”

That Section 11.6.4 be amended to read “Recommends requests for final plats for all subdivisions.”

That Section 11.6.5 be amended to be removed from Section 11.6 and placed appropriately into Section 11.7 and to read “Recommends requests for uses permitted with conditions.”

That Section 11.6.6 be deleted in its entirety.

That Sections 11.6.7 and 11.6.8 be amended to be removed from Section 11.6 and placed appropriately into Section 11.7.

That Section 11.6.10 be amended to read “Review and decide any requests for administrative waivers. See 12.5.4.”

That Section 11.7.1 be amended to be removed from Section 11.7 and placed appropriately into

Section 11.6.

That Section 11.7.4.9 be amended to read “Issue Certificates of Zoning Compliance (CZC) certifying the proposed use of land or a new or altered structure is in compliance with the provisions of the Land Development Code within 10 working days of such request. A Temporary CZC may be issued when a structure has met the requirements of the applicable building code but elements of an approved site plan have not yet been completed.

That Sections 11.7.4.11 and 11.7.4.12 be deleted in their entirety.

That Section 11.10.1.4 be amended by deleting the word “Criminal” in the title and changing the \$500 fine referenced therein to \$100.

That Section 11.10.1.7 be amended to read “Withholding Approvals. Any violation of this Code shall constitute grounds for withholding new building permits directly related to the violation until the violation has been corrected, including the payment of all fines and fees.”

That Section 12.3.1.1 be amended by deleting the content of paragraphs (i), (ii), and (iii) and replacing them with “(i) There was a mistake in the original zoning. (ii) The character of the neighborhood has changed substantially so that rezoning is clearly justified and there is a public need for the rezoning. (iii) Annexation.”

That Section 13.2 be amended to change “Automobile Maintenance” to “Automotive, truck, and small engine maintenance” and to establish a definition to read “An establishment primarily engaged in the maintenance of motor vehicle, engines, and similar mechanics, including brakes, upholstery work, tire repair and change, lubrication, tune ups, diagnosing of malfunctions, auto-sound shops, auto upholstery shops, wheel alignment shops and tune-up, battery and similar maintenance work.”

That Section 13.2 be amended to change “Automobile Repair” to “Automotive, truck, and small engine repair” and to establish a definition to read “An establishment primarily engaged in the repair of motor vehicle, engines, and similar mechanics, including paint, body, collision work, auto dismantling operations, and major engine or transmission work and engine part overhaul.”

That Section 13.2 be amended to insert “Methadone Maintenance Facility” as a new definition to read “A clinic, medical dental office or other medical facility that wholly, or in part, is used for the prescription of methadone as more than an ancillary activity and may include other support services such as, but not limited to, a methadone pharmacy, the provision of counseling services, and/or laboratories, but does not include a hospital. For purposes of this definition, an ancillary activity shall mean prescribing methadone to a maximum of 40 clients per day.”

That Section 13.2 be amended such that the definition of “Mobile Home” reads “A manufactured home that does conform to the United States Department of Housing and Urban Development Code (HUD Code) but not the local building code.”

That Section 13.2 be amended to insert “Plasma Collection Facility” as a new definition to read “A building and premises used primarily for the performance of plasmapheresis, which is the procedure whereby whole blood is removed from a plasma donor by venipuncture or phlebotomy, the plasma is separated therefrom for sale or transfer, and the formed elements of the blood are returned to the donor. “Plasma collection facility” does not include donation centers in which primarily whole blood is extracted from donors and used, transferred or sold, such as blood donation centers sponsored by the American Red Cross.”

SECTION 2. Except as hereby expressly changed and amended, the aforesaid Land Development Code, Ordinance Number 3209, adopted February 21, 2017, as amended, of said City of Hattiesburg, Mississippi, shall be and remain in full force and form as adopted.

SECTION 3. That this Ordinance take effect and be in force thirty (30) days from and after passage as provided by law.

The foregoing Ordinance having been reduced to writing, the same was introduced by Councilmember _____, seconded by Councilmember _____, and was adopted by the following vote to-wit:

YEAS:

NAYS:

THE President thereby declared the motion carried and the foregoing Ordinance adopted and approved, this the _____ day of _____ A.D., 2017.

(S E A L)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

THE above foregoing Ordinance having been submitted to and approved by the Mayor, this the _____ day of _____ A.D., 2017.

ATTEST:

APPROVED:

CITY CLERK

MAYOR



**Planning Commission
Case Fact Sheet**

Applicant: City of Hattiesburg

Request: To consider an application to amend the Land Development Code Section 5, Use Regulations and Conditions, Section 11, Administration and Enforcement, Section 12, Process and Procedure, and Section 13, Definitions. More specifically, amendments are proposed within 5.1, Establishment of a Table of Uses for Standard Districts; 5.2, Determination of Use Category; 5.3, Table of Uses; Table 5.1, Table of Uses; Table 5.4, Additional Use Conditions; 11.2, City Council; 11.3, Planning Commission; 11.4, Board of Adjustment; 11.6, Site and Design Review Committee; 11.7, Director of the Department of Urban Development.; 11.10, Enforcement; 12.3.1.1, Legislative Development Approvals; Process; and 13.2, Definitions. The general intent of the proposed amendment is an effort to clarify language in certain sections, to define or clarify definition of certain terms and uses for ease of interpretation, to establish additional uses that may be appropriate, to modify certain uses permitted and potential conditions thereof in certain zones, to address various issues in which the code is silent on conditions, to clarify processes and authority for the City Council, Planning Commission, and Board of Adjustment, to better align with state law on administration and enforcement, and to define the composition of and terms of office for the Planning Commission and Board of Adjustment. This is an abbreviated summary of the topics addressed in the proposed amendment, and interested parties are encouraged to contact City Hall or visit www.HattiesburgMS.com to review the proposed amendment in its entirety.

Applicable Regulations: Section 5 Use Regulations and Standards, Table 5.1 Table of Uses

**Letters or
Concerns stated:**

The Planning Division Office has not received any letters or other written communications relative to this case as of November 21, 2017.

History / Background:

Basis for Approval:

Recommend **APPROVAL** or **DENIAL** of the request to amend the Land Development Code Section 5, Use Regulations and Conditions, Section 11, Administration and Enforcement, Section 12, Process and Procedure, and Section 13, Definitions. More specifically, amendments are proposed within 5.1, Establishment of a Table of Uses for Standard Districts; 5.2, Determination of Use Category; 5.3, Table of Uses; Table 5.1, Table of Uses; Table 5.4, Additional Use Conditions; 11.2, City Council; 11.3, Planning Commission; 11.4, Board of Adjustment; 11.6, Site and Design Review Committee; 11.7, Director of the Department of Urban Development.; 11.10, Enforcement; 12.3.1.1, Legislative Development Approvals; Process; and 13.2, Definitions. The general intent of the proposed amendment is an effort to clarify language in certain sections, to define or clarify definition of certain terms and uses for ease of interpretation, to establish additional uses that may be appropriate, to modify certain uses permitted and potential conditions thereof in certain zones, to address various issues in which the code is silent on conditions, to clarify processes and authority for the City Council, Planning Commission, and Board of Adjustment, to better align with state law on administration and enforcement, and to define the composition of and terms of office for the Planning Commission and Board of Adjustment. This is an abbreviated summary of the topics addressed in the proposed amendment, and interested parties are encouraged to contact City Hall or visit www.HattiesburgMS.com to review the proposed amendment in its entirety.

MEMORANDUM

TO: TO ALL IT MAY CONCERN

FROM: ANDREW ELLARD, DIRECTOR OF URBAN DEVELOPMENT;
GINGER MADDOX, PLANNING DIVISION MANAGER

SUBJECT: LAND DEVELOPMENT CODE AMENDMENT PROPOSAL

DATE: 11/15/2017

Planning Commissioners and all others it may concern,
The December 6, 2017 Planning Commission agenda includes a proposal for various amendments to the Land Development Code. These changes are proposed by city staff and are largely the result of staff's experience in administering the code since its adoption in February of 2017. This document serves as an explanation of the amendments change-by-change.

Code Section	Change Proposed	Reasoning
Title of Section 5.1	amended to read "Establishment of a Table of Uses for Base Zoning Districts."	Eliminating the term "Standard" Zoning Districts
5.1	amended to read "The uses permitted in the base zoning districts established by Section 4 are set forth in Table 5.1, Table of Uses and repeated in the base zoning district. Whenever there is a conflict between what is listed in the Table of Uses and the base zoning district, the Table of Uses shall govern."	Eliminating the term "Standard" Zoning Districts
5.2	amended such that the third sentence shall read "Any use not specifically listed in the Permitted Uses Table and any proposed use not substantially similar to a listed use as determined by the Director after consultation may be considered a "Conditional Use" and will require review by the Hattiesburg Planning Commission."	Eliminates the phrase "shall be deemed to be prohibited" as that language is exclusionary.
5.3.2	amended such that the first sentence shall read "The Table of Uses lists uses for each base zoning district within the City's zoning jurisdiction."	Eliminating the term "Standard" Zoning Districts
5.3.3.1	amended to be titled "Permitted."	Clarity
5.3.3.2	amended to be titled "Permitted with Conditions."	Clarity
5.3.3.2	amended to strike the following sentence: "Further, a use with conditions may be subject to Planning Commission review."	This statement conflicts with the purpose of "Permitted with Conditions."
5.3.3.3	amended to be titled "Conditional Use."	Clarity

5.3.3.4	amended to be titled “Not Permitted.”	Clarity
Table 5.1	amended such that the Additional Use Conditions Cross Reference column is updated to accurately reflect the applicable condition section within Section 5.4 based upon these amendments.	This is a general amendment statement to allow for realignment of cross references as needed.
Table 5.1	amended to clarify that the following uses are Not Permitted in a B-1 zoning district: “Adult entertainment,” “Agriculture related feed, supply and equipment sales and service,” “Airport, public or private,” “Amusement facilities,” “Animal husbandry – for profit and research related, excluding CAFOs as defined by the US EPA,” “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA,” “Animal shelter,” “Aquaculture – for profit and research related,” “Armory,” “ATM, outdoor,” and “Auction house.”	The current table does not identify whether these uses are permitted or not in B-1 zoning districts.
Table 5.1	amended to show “Airport, public or private” as Permitted in A-1 zoning districts and Not Permitted in A-2 zoning districts.	The current table provides for no specific conditions and does not identify whether the use is permitted or not in A-2.
Table 5.1	amended to show “Animal husbandry – for profit and research related, excluding CAFOs as defined by the US EPA” as Permitted in A-1 and A-2 zoning districts.	Change to permitted, as no conditions are referenced.
Table 5.1	amended to show “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA as defined by the US EPA ” as Permitted in A-1 zoning districts, and that this use be amended to be titled “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA as defined by the US EPA.”	Change to permitted, as no conditions are referenced. Also corrects a spelling error.
Table 5.1	amended to show “Aquaculture – for profit and research related” as Permitted in A-1 zoning districts.	Change to permitted, as no conditions are referenced.
Table 5.1	amended to add “Automotive filling station” as a new use to be Permitted in B-3, B-5, I-1, and I-2 zoning districts; to be a Conditional Use in B-2 and B-4 zoning districts; and to be Not Permitted in all other zoning districts.	Creating the use, as a common use that is noticeably missing from the current table.
Table 5.1	amended by changing the title of the use	Providing clarity for

	“Automotive/truck and maintenance” to “Automotive, truck, and small engine maintenance” and that it be further amended to show as Not Permitted in B-1 zoning districts and shown as Permitted in I-1 and I-2 zoning districts.	similar uses (small engine). Staff proposes removal from B-1 and inclusion in I-1 and I-2.
Table 5.1	amended by changing the title of the use “Automotive/truck repair” to “Automotive, truck, and small engine repair” and that it be further amended to show as Permitted in I-1 and I-2 zoning districts.	Providing clarity for similar uses (small engine). Staff proposes permitted use in I-1 and I-2.
Table 5.1	amended to show “Bus stations” as Permitted in B-3, B-4, B-5, I-1, and I-2 zoning districts.	Change to permitted, as no conditions are referenced.
Table 5.1	amended to show “Care center, home” as Conditional Use in R-1A, R-1B, R-1C, R-2, and R-3 zoning districts.	Change consistent with former code. Proposed to allow for additional considerations for neighborhoods.
Table 5.1	amended to show “Correctional facilities and jails” as Conditional Use in B-5, I-1, and I-2 zoning districts.	Proposed to allow for additional considerations for neighboring uses and potentially appropriate location in industrial zones.
Table 5.1	amended to show “Dry cleaner” as Permitted in I-1 and I-2 zoning districts.	The current table does not identify whether the use is permitted or not in I-1 or I-2.
Table 5.1	amended to show “Dwelling, single family attached” as Permitted in B-1 zoning districts.	Consistent with former code. Staff has noticed market demand. No known prohibitive issues.
Table 5.1	amended to show “Dwelling, single family detached” as Permitted in B-1 zoning districts.	Consistent with former code. Staff has noticed market demand. No known prohibitive issues.
Table 5.1	amended to show “Dwelling, two family” as Permitted with Conditions in B-1 zoning districts and to correct the cross reference to the applicable code section within Section 5.4.	Potentially appropriate use. Cross reference should be 5.4.18.
Table 5.1	amended to add “Dwelling, mixed use” as a new use to be Permitted with Conditions in B-4 zoning districts, Conditional Use within B-2 and B-3	Warranted as a use given the likely manner of favorable

	zoning districts, and Not Permitted in all other zoning districts.	downtown development.
Table 5.1	amended to show “Dwelling, zero lot line detached” as Permitted in B-1 zoning districts.	Potentially appropriate use.
Table 5.1	amended to show “Fairgrounds and stadiums, public or private” as Permitted in B-5 and I-1 zoning districts, and as Conditional Use in A-1 and A-2 zoning districts.	No conditions are referenced. Proposal based on staff input.
Table 5.1	amended to show “FDIC financial institutions and mortgage companies, excluding check cashing agencies” as Permitted in B-2 zoning districts.	Change consistent with former code. No known prohibitive issues.
Table 5.1	amended to show “Gallery, museum, and library” as a Conditional Use in R-1A, R-1B, R-1C, R-2, R-3, and B-1 zoning districts.	No conditions are referenced. Proposed to allow for additional considerations for neighborhoods.
Table 5.1	amended to show “Gated communities” as Conditional Use in R-1A zoning districts.	The current table does not identify whether the use is permitted or not in R-1A.
Table 5.1	amended to show “Government center/complex and offices” as Permitted in B-1, I-1, and I-2 zoning districts.	Proposal based on staff input regarding appropriate use.
Table 5.1	amended to show “Hospital and outpatient clinic” as Permitted in B-3, B-4, and B-5 zoning districts.	No conditions were listed.
Table 5.1	amended to show “Lodging – hotel, motel, tourist home” as Permitted in B-3 zoning districts.	No conditions were listed.
Table 5.1	amended to show “Medical or dental office” as Permitted in B-2 zoning districts.	Proposal based on staff input regarding appropriate use.
Table 5.1	amended to add “Methodone maintenance facility” as a new use, shown as a Conditional Use in B-3 and B-5 zoning districts and as Not Permitted in all other zoning districts.	Creating the use in an effort to provide distinction from other uses.
Table 5.1	amended by changing the title of the use “Motor vehicle rental and sales” to “Automotive rental and sales” which shall be moved ordered among uses alphabetically in the table and shall show as Not Permitted in B-1 zoning districts and changed to Permitted with Conditions in B-3 zoning districts.	Located along with other automotive uses. Establishing clarity for B-1, and B-3 use based on staff input.
Table 5.1	amended by striking the use “Open storage.”	Rely instead on other similar uses.
Table 5.1	amended to show “Other professional office” as Permitted in I-2 zoning districts.	No conditions were listed.
Table 5.1	amended to show “Parking garage” as Permitted in	No conditions were

	R-3, B-3, B-4, and B-5 zoning districts.	listed.
Table 5.1	amended to add “Plasma collection facility” as a new use, shown as a Conditional Use in B-5 zoning districts and Not Permitted in all other zoning districts.	Creating the use in an effort to provide distinction from other uses.
Table 5.1	amended to show “Places of assembly not otherwise listed” as Conditional Use in R1-A, R-1B, R1-C, R-2, and R-3 zoning districts.	Change consistent with former code. Proposed to allow for additional considerations for neighborhoods.
Table 5.1	amended to show “Product wholesale” as Permitted in B-5, I-1, and I-2 zoning districts.	No conditions were listed. Inclusion in I-1 and I-2 based on staff input.
Table 5.1	amended to correct coloration on the chart for “Railroad maintenance yard,” Recycling center,” “Sanitary landfill,” “Satellite receiving systems,” and “Sewage disposal plant.”	Basic correction.
Table 5.1	amended to show “Restaurant, without drive-thru” as Conditional Use in B-1 and B-2 zoning districts and to include the appropriate cross reference to the applicable conditions in Section 5.4.	Proposal allows for additional consideration of appropriateness in B-1 and B-2. A missing cross reference is to be inserted.
Table 5.1	amended to show “Retail, <10,000 sq. ft.” as Not Permitted in B-1 zoning districts.	Proposal based on staff input regarding appropriate use.
Table 5.1	amended to show “Sanitary landfill” as Conditional Use in I-2 zoning districts.	Current table lists as Not Permitted in all zones, which is exclusionary.
Table 5.1	amended by striking the uses “Seasonal uses and markets.”	Strike as a use. Policy on transient vendors will prevail.
Table 5.1	amended to show “Siviculture – for profit and research-related” as Permitted in A-1 and A-2 zoning districts.	No conditions were listed.
Table 5.1	amended to show “Storage of junk, junk vehicles, salvage materials, and waste” as Conditional Use in A-1 zoning districts and to include the appropriate cross reference to the applicable conditions in Section 5.4.	Proposal based on staff input regarding appropriate use. A missing cross reference is to be inserted.
Table 5.1	amended to add “Solar farm” as a new use, shown as Conditional Use in R-1A, R-2, A-1, A-2, I-1, and I-2 zoning districts and to include the appropriate	Create as a new use. The former code included it, but was

	cross reference to the applicable conditions in Section 5.4.	left out in the current code.
Table 5.1	amended to show “Tattoo parlor” as Permitted in B-3 and B-4 zoning districts.	Proposal based on staff input regarding appropriate use.
Table 5.1	amended to include applicable cross reference for conditions for “Tow yards (impound lots),” the same as those referenced for “Storage of junk, junk vehicles, salvage materials and waste” uses.	Inserting appropriate cross references.
5.4.1.2	amended to read “Prior to the installation of any Antenna or tower covered by this ordinance the owner of such Antenna or tower shall make written application as required and include all information required therein.” All other language in Section 5.4.1.2 to be stricken.	Section included erroneous section references.
5.4.2.6	amended by adding paragraph (iii) to read “Accessory residential structures shall be five (5) feet from the rear property line and five (5) feet from the side property lot. No accessory structure on a corner lot shall project beyond the front yard line of the lots in the rear.”	Establishes criteria for accessory structures on corner lots.
5.4.5.4	deleted in its entirety.	The city does not have a process for such a requirement.
5.4.7.1	amended by adding paragraph (vi) to read “Any mobile detailing service must utilize a water containment system to prevent stormwater system pollution.”	Pollution prevention measure.
5.4.7.2, para. (i)	amended to delete the second sentence: “Stored vehicles must have a current tag and inspection sticker.”	The state no longer requires inspection stickers.
5.4.8.5	amended such that the third sentence shall read “The guest book may serve as evidence in the event that the bed and breakfast or commercial meeting privilege is in question.”	Strikes a reference to review by the Planning Commission as there is no reason for such review.
5.4.16	deleted in its entirety.	Cluster subdivisions are not referenced anywhere else in the Code.
Title of Section 5.4.18	amended to read “Dwelling, Two-Family and Multi-Family.”	Incorporated two-family dwelling conditions into the same section.
5.4	amended by adding a new subsection of conditions entitled “Dwelling, Mixed-Use.” Conditions shall include that “Non-residential uses must be uses permitted within the zoning district,” “Dwelling in	Based on staff input, certain conditions may be warranted in establishing

	conjunction with uses permitted within the same zoning district provided that mixed residential and non-residential uses are located within the same structure,” and “No more than 50% of the ground floor of a building may be a dwelling use.”	“Dwelling, Mixed-Use” as a new use.
Title of Section 5.4.28	amended to read “Dwelling, manufactured (mobile) home.”	Clarity
5.4.28	amended such that the text following the title shall read “One Dwelling, manufactured (mobile) home allowed per lot. Manufactured homes on individual lots shall meet the following requirements:”.	Clarity
5.4.28.2	amended to read “Anchoring and Foundation. Homes shall be installed and anchored according to State Fire Marshal requirements.”	Clarity and appropriate authority reference.
5.4.28.6	amended to read “Placement. All homes shall meet setbacks and be placed on the lot in harmony with the existing structures.”	Removes a seemingly unnecessary requirement.
5.4.28.8	amended to read “Skirting. Skirting or other solid screen shall be installed to enclose the foundation of the structure and crawl space and shall complimentary to the design of the structure.”	More clearly describes skirting requirement. Foundation addressed elsewhere.
5.4.28.9	deleted in its entirety.	Removes 24-foot width requirement.
5.4.28.10	amended to read “Porch Required. All manufactured homes shall have either a deck or porch with steps at each entrance constructed and installed in accordance with the standards set forth by the current building codes. The minimum square footage of the floor of such porch or deck shall measure at least 36 square feet.	Removes reference to IBC to simply reference current building codes.
5.4.28.11	amended to read “Age. No home not meeting current codes may be relocated or moved onto a lot.	Lifts subjective “5-year” reference.
5.4.38	deleted in its entirety.	Will seek to rely on policies related to transient vendors.
5.4	amended by adding a new subsection of conditions entitled “Storage of junk, junk vehicles, salvage materials and waste.” Conditions shall include that “The storage area shall be screened from view of the neighbors and the public by solid fencing or natural terrain of trees or vegetation, a minimum of six (6) feet in height.”	Establishes an additional condition related to this use.
5.4.42	deleted in its entirety.	Portions of the section require considerable subjectivity by staff

		and difficulty in administering. Section applying to construction offices is not necessary as it is already allowed.
5.4	amended by adding a new subsection of conditions entitled “Dry cleaner.” Conditions shall include that “No processing on site for zones listed as Permitted with Conditions.”	Establishes certain criteria for the use in certain zones.
11.2.7	amended to read “Hear and decide requests for preliminary plats and final plats for major subdivisions.”	Clarifies authority on major subdivisions.
11.2.8	amended to read “Hear and decide recommendations of, or appeals from, the recommendations of the Planning Commission, Board of Adjustment, and Historic Conservation Commission.”	Clarifies what is being heard.
11.2	amended to add a new subsection to read “Hear and decide requests for appeal to interpretations of this Code made by the Director.”	Provides authority to Council rather than Board of Adjustment.
11.3	deleted in its entirety and replaced with the following: “11.3 Planning Commission. The Hattiesburg Planning Commission has been created by the Mayor and City Council as an advisory committee to the City of Hattiesburg in zoning matters and is vested with the rights and responsibilities as provided in Mississippi Code Annotated Section 17-1-17 (1972), and established in the City of Hattiesburg Ordinance No. 1490. The Planning Commission shall have certain duties and responsibilities related to this Land Development Code including, but not necessarily limited to, the following: 11.3.1 Hear and make recommendations to the City Council regarding the adoption or amendment of the Hattiesburg Comprehensive Plan, special area plans, corridor plans, neighborhood plans, the Land Development Code, the Official Zoning Map, and any other plans and policies impacting growth and development of the City. 11.3.2 Hear and make recommendations to the City Council all requests for preliminary plats and final plats (when changes have been proposed) for major subdivisions. 11.3.3 Composition and terms: 11.3.3.1 That the Planning Commission shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council. Each appointee shall be appointed for	Replaces the section in its entirety to establish membership, officers, and terms that are missing from the current code.

	a period of 5 years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. That each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the commission from three (3) regularly scheduled meetings without excused absence of the commission shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a written and accepted excuse, the governing authorities may remove the absent member from the commission and appoint a new member to fill the vacancy. 11.3.3.2 Officers. The commission shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.3.4 Procedure: The Planning Commission shall adopt rules in accordance with the provision of these Regulations. Meetings of the Board shall be held the first Wednesday of each month at 1 pm. All meetings of the Board of Adjustment shall be open to the public. The Board of Adjustment shall keep minutes of its meetings.”	
11.4	amended such that the second sentence of the text following the title shall read “At its discretion, the city council may decide to delegate any or all such duties and responsibilities to another board.”	Clarifies in light of other amendments proposed.
11.4.2	amended to read “Composition and terms: 11.4.2.1 Membership: The Hattiesburg Board of Adjustment shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council for a term of three (3) years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. That each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the	Replaces the section in its entirety to establish membership, officers, and terms that are missing from the current code.

	commission from three (3) regularly scheduled meetings without excused absence of the commission shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a written and accepted excuse, the governing authorities may remove the absent member from the commission and appoint a new member to fill the vacancy. 11.4.2.2 Officers: The Board of Adjustment shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.4.3 Procedure: The Board of Adjustment shall adopt rules in accordance with the provision of these Regulations. Meetings of the Board shall be held the first Wednesday of each month following the close of the Planning Commission public hearing. All meetings of the Board of Adjustment shall be open to the public. The Board of Adjustment shall keep minutes of its meetings.”	
11.6.2	amended to read “Decides requests for preliminary plats for minor subdivisions.”	Level of authority correction.
11.6.3	amended to read “Recommends requests for preliminary and final plats of major subdivisions.”	Level of authority correction.
11.6.4	amended to read “Recommends requests for final plats for all subdivisions.”	Level of authority correction.
11.6.5	amended to be removed from Section 11.6 and placed appropriately into Section 11.7 and to read “Recommends requests for uses permitted with conditions.”	Level of authority correction.
11.6.6	deleted in its entirety.	Level of authority correction.
11.6.7 and 11.6.8	amended to be removed from Section 11.6 and placed appropriately into Section 11.7.	Level of authority correction.
11.6.10	amended to read “Review and decide any requests for administrative waivers. See 12.5.4.”	Provides applicable cross reference.
11.7.1	amended to be removed from Section 11.7 and placed appropriately into Section 11.6.	Level of authority correction.
11.7.4.9	amended to read “Issue Certificates of Zoning Compliance (CZC) certifying the proposed use of	Provides a more reasonable time

	land or a new or altered structure is in compliance with the provisions of the Land Development Code within 10 working days of such request. A Temporary CZC may be issued when a structure has met the requirements of the applicable building code but elements of an approved site plan have not yet been completed.	frame. Eliminates certified letter requirement as that is not standard practice.
11.7.4.11 and 11.7.4.12	deleted in their entirety.	These are not actively maintained by the department.
11.10.1.4	amended by deleting the word “Criminal” in the title and changing the \$500 fine referenced therein to \$100.	Preferred wording. Fine changed to abide by state law.
11.10.1.7	amended to read “Withholding Approvals. Any violation of this Code shall constitute grounds for withholding new building permits directly related to the violation until the violation has been corrected, including the payment of all fines and fees.”	Removes planting as a grounds for withholding – as other methods of enforcement exist.
12.3.1.1	amended by deleting the content of paragraphs (i), (ii), and (iii) and replacing them with “(i) There was a mistake in the original zoning. (ii). The character of the neighborhood has changed substantially so that rezoning is clearly justified and there is a public need for the rezoning. (iii). Annexation.”	Corrected to more closely follow state law.
13.2	amended to change “Automobile Maintenance” to “Automotive, truck, and small engine maintenance” and to establish a definition to read “An establishment primarily engaged in the maintenance of motor vehicle, engines, and similar mechanics, including brakes, upholstery work, tire repair and change, lubrication, tune ups, diagnosing of malfunctions, auto-sound shops, auto upholstery shops, wheel alignment shops and tune-up, battery and similar maintenance work.”	Establishes a definition where it is currently missing.
13.2	amended to change “Automobile Repair” to “Automotive, truck, and small engine repair” and to establish a definition to read “An establishment primarily engaged in the repair of motor vehicle, engines, and similar mechanics, including paint, body, collision work, auto dismantling operations, and major engine or transmission work and engine part overhaul.”	Establishes a definition where it is currently missing.
13.2	amended to insert “Methadone Maintenance Facility” as a new definition to read “A clinic, medical dental office or other medical facility that wholly, or in part, is used for the prescription of methadone as more than an ancillary activity and	Creates a definition to accompany a newly created use.

	may include other support services such as, but not limited to, a methadone pharmacy, the provision of counseling services, and/or laboratories, but does not include a hospital. For purposes of this definition, an ancillary activity shall mean prescribing methadone to a maximum of 40 clients per day.”	
13.2	amended such that the definition of “Mobile Home” reads “A manufactured home that does conform to the United States Department of Housing and Urban Development Code (HUD Code) but not the local building code.”	Corrects definition.
13.2	amended to insert “Plasma Collection Facility” as a new definition to read “A building and premises used primarily for the performance of plasmapheresis, which is the procedure whereby whole blood is removed from a plasma donor by venipuncture or phlebotomy, the plasma is separated therefrom for sale or transfer, and the formed elements of the blood are returned to the donor. “Plasma collection facility” does not include donation centers in which primarily whole blood is extracted from donors and used, transferred or sold, such as blood donation centers sponsored by the American Red Cross.”	Creates a definition to accompany a newly created use.

Table 5.1 Table of Uses

Use		Agricultural		Residential					Business					Industrial		Additional Use Conditions Cross Reference
■	Permitted	A - 1	A - 2	R - 1A	R - 1B	R - 1C	R - 2	R - 3	B - 1	B - 2	B - 3	B - 4	B - 5	I - 1	I - 2	
□	Permitted with conditions															
◆	Conditional Use															
X	Not Permitted															
Accessory buildings and structures, excluding dwellings		□	□	□	□	□	□	□	□	□	□	□	□	□	□	5.4.2
Accessory communication antennae		□	□	□	□	□	□	□	□	□	□	□	□	□	□	5.4.1
Adult entertainment		X	X	X	X	X	X	X	X	X	X	X	◆	X	X	5.4.3
Agriculture-related feed, supply and equipment sales and services		X	X	X	X	X	X	X	X	X	X	X	■	■	■	5.4.4
Airport, public or private		■	X	X	X	X	X	X	X	X	X	X	X	■	■	
Amusement facilities		X	X	X	X	X	X	X	X	X	□	□	□	X	X	5.4.5
Animal husbandry-for profit and research-related, excluding CAFO's as defined by the US EPA		■	■	X	X	X	X	X	X	X	X	X	X	X	X	
Animal husbandry-for profit and research-related, including Concentrated Animal Feeding Operations as defined by the US EPA		■	X	X	X	X	X	X	X	X	X	X	X	X	X	
Animal shelter		■	X	X	X	X	X	X	X	X	X	X	■	X	X	
Aquaculture-for profit and research-related		■	X	X	X	X	X	X	X	X	X	X	X	X	X	
Armory		X	X	X	X	X	X	X	X	X	X	X	■	■	■	
ATM, outdoor		X	X	X	X	X	X	X	X	□	□	□	□	■	■	5.4.6
Auction house		X	X	X	X	X	X	X	X	X	■	■	■	X	X	
Automotive filling station		X	X	X	X	X	X	X	X	◆	■	◆	■	■	■	
Automotive rental and sales		X	X	X	X	X	X	X	X	X	□	X	□	X	X	5.4.32
Automotive, truck, and small engine maintenance		X	X	X	X	X	X	X	X	□	□	X	□	■	■	5.4.7
Automotive, truck, and small engine repair		X	X	X	X	X	X	X	X	X	□	X	□	■	■	5.4.7
Boarding house		X	X	X	X	◆	◆	X	X	X	X	X	X	X	X	5.4.9
Boat, canoe, and kayak rental		□	□	X	X	X	X	X	X	X	□	□	■	X	X	5.4.10

[illegible]

Fitness centers		x	x	x	x	x	x	x	■	■	■	■	■	■	■	
Funeral home, mortuary and crematorium		x	x	x	x	x	x	x	x	x	□	■	■	x	x	5.4.22
Gallery, museum, and library		x	x	◆	◆	◆	◆	◆	◆	■	■	■	■	x	x	
Gated communities		x	x	◆	◆	◆	◆	◆	x	x	x	x	x	x	x	5.4.23
Glass repair and replacement		x	x	x	x	x	x	x	x	x	x	x	■	x	x	
Golf course		■	■	■	■	■	■	■	x	x	x	x	x	x	x	
Government center/complex and offices		x	x	x	x	x	x	x	■	■	■	■	■	■	■	
Group facility		x	x	x	x	x	x	◆	◆	◆	x	x	x	x	x	5.4.24
Group home		◆	◆	◆	◆	◆	◆	◆	x	x	x	x	x	x	x	5.4.24
Heliport		x	x	x	x	x	x	x	x	x	□	□	□	x	□	5.4.25
Home occupation		□	□	□	□	□	□	□	x	x	x	□	x	x	x	5.4.26
Horticulture-for profit and research-related		□	□	x	x	x	x	x	x	x	x	x	x	x	x	
Horticulture-private		■	■	■	■	■	■	■	x	■	■	■	■	x	x	
Hospital and outpatient clinic		x	x	x	x	x	x	x	x	x	■	■	■	x	x	
Hunting camp/lodge		■	x	x	x	x	x	x	x	x	x	x	x	x	x	5.4.27
Ice machines and similar commercial accessory structures		x	x	x	x	x	x	x	x	x	□	x	□	x	x	5.4.28
Impoundment lot		x	x	x	x	x	x	x	x	x	x	x	x	■	■	
Industry, heavy		x	x	x	x	x	x	x	x	x	x	x	x	x	■	
Industry, light		x	x	x	x	x	x	x	x	x	x	x	x	■	■	
Kennel		■	■	x	x	x	x	x	x	x	x	x	■	x	x	5.4.29
Laboratory, dental or medical		x	x	x	x	x	x	x	■	x	■	■	■	■	■	
Laundromat		x	x	x	x	x	x	x	■	■	x	■	x	x		
Life care communities		x	x	x	x	x	◆	◆	x	x	x	x	x	x	x	5.4.30
Lodging—bed and breakfast home		x	x	x	◆	◆	◆	◆	x	■	■	■	x	x	x	5.4.8
Lodging-bed and breakfast inn		x	x	x	◆	◆	◆	◆	x	■	■	■	x	x	x	5.4.8
Lodging-hotel, motel, tourist home		x	x	x	x	x	x	x	x	x	■	■	■	x	x	
Machinery, tools/construction equipment, limited sales and service		x	x	x	x	x	x	x	x	x	x	x	■	■	■	
Marine sales and service		x	x	x	x	x	x	x	x	x	x	x	■	■	x	
Medical or dental office		x	x	x	x	x	x	x	■	■	■	■	■	x	x	

Methadone Maintenance Facility		X	X	X	X	X	X	X	X	X	◆	X	◆	X	X	
Microbreweries		X	X	X	X	X	X	X	X	X	X	■	X	■	■	
Mining and extraction		X	X	X	X	X	X	X	X	X	X	X	X	X	◆	
Open space, common and public		■	■	■	■	■	■	■	■	■	■	■	■	■	■	
Other professional office		X	X	X	X	X	X	X	■	■	■	■	■	■	■	
Package liquor store		X	X	X	X	X	X	X	X	X	■	■	■	X	X	
Park/playground		■	■	■	■	■	■	■	■	■	■	■	■	◆	◆	
Parking, garage		X	X	X	X	X	X	■	X	X	■	■	■	■	■	
Parking, surface		X	X	X	X	X	X	X	■	■	■	■	■	■	X	
Pawn shop		X	X	X	X	X	X	X	X	X	X	X	■	X	X	
Personal and professional services, excluding tattoo parlors		X	X	X	X	X	X	X	■	■	■	■	■	X	X	
Places of assembly not otherwise listed		□	□	◆	◆	◆	◆	◆	X	□	■	■	■	X	X	5.4.33
Plasma Collection Facility		X	X	X	X	X	X	X	X	X	X	X	◆	X	X	
Product wholesale		X	X	X	X	X	X	X	X	X	X	X	■	■	■	
Public and community utility facilities		□	□	□	□	□	□	□	□	□	□	□	□	□	□	5.4.34
Public safety station (police, fire, ambulance)		□	□	□	□	□	□	□	□	□	□	□	□	□	□	5.4.35
Railroad facilities including terminals, excluding maintenance yards		X	X	X	X	X	X	X	X	X	■	■	■	■	■	
Railroad maintenance yard		X	X	X	X	X	X	X	X	X	X	X	X	X	■	
Recycling center		X	X	X	X	X	X	X	X	X	X	X	X	■	■	
Rehabilitation center, nursing care, assisted living, congregate care, palliative care, and hospice care		X	X	X	X	X	X	X	□	□	□	□	□	X	X	5.4.36
Repair shop (small appliance, shoes, excluding engine)		X	X	X	X	X	X	X	X	■	■	■	■	X	X	
Restaurant, with drive-thru		X	X	X	X	X	X	X	X	X	□	X	□	□	□	5.4.34
Restaurant, without drive-thru		X	X	X	X	X	X	X	◆	◆	□	□	□	□	□	5.4.34
Retail, < 10,000 sq.ft.		X	X	X	X	X	X	X	X	□	□	□	■	□	□	5.4.38
Retail, > 50,000 sq.ft.		X	X	X	X	X	X	X	X	X	X	X	□	X	X	5.4.38
Retail, 10,000-50,000 sq.ft.		X	X	X	X	X	X	X	X	X	□	□	□	□	□	5.4.38
Riding academy or stable		■	■	X	X	X	X	X	X	X	X	X	□	X	X	5.4.39

Sanitary landfill		x	x	x	x	x	x	x	x	x	x	x	x	x	◆	
Satellite receiving systems		x	x	x	x	x	x	x	x	x	x	x	x	■	■	
School, K-12		x	x	□	□	□	□	□	□	□	□	□	x	x		5.4.40
School, trade		x	x	x	x	x	x	x		x	□	□	□	■	■	5.4.40
School, university or college		x	x	x	x	x	x	■	x	x	■	■	■	x	x	
Self-storage		x	x	x	x	x	x	x	x	x	x	x	□	x	x	5.4.42
Sewage disposal plant		x	x	x	x	x	x	x	x	x	x	x	x	x	■	
Shopping center, <25,000 sq.ft.		x	x	x	x	x	x	x	x	x	□	x	□	x	x	5.4.43
Shopping center, >75,000		x	x	x	x	x	x	x	x	x	x	x	□	x	x	5.4.43
Shopping center, 25,000-75,000 sq. ft.		x	x	x	x	x	x	x	x	x	x	x	□	x	x	5.4.43
Silviculture-for profit and research-related		■	■	x	x	x	x	x	x	x	x	x	x	x	x	
Solar Farm		◆	◆	◆	x	x	◆	x	x	x	x	x	x	◆	◆	
Storage of junk, junk vehicles, salvage materials and waste		◆	x	x	x	x	x	x	x	x	x	x	x	□	□	5.4
Tattoo parlor		x	x	x	x	x	x	x	x	x	■	■	■	x	x	
Taxidermist		■	x	x	x	x	x	x	x	x	x	x	■	x	x	
Telecommunication facilities and towers, wireless		□	□	x	x	x	x	x	□	□	□	□	□	■	■	5.4.44
Theater, indoor		x	x	x	x	x	x	x	x	x	■	■	■	x	x	
Theater, outdoor		x	x	x	x	x	x	x	x	x	■	□	■	x	x	
Tow yards (impoundment lots)		x	x	x	x	x	x	x	x	x	x	x	x	□	□	5.4
Utility operation center		x	x	x	x	x	x	x	x	x	■	x	■	■	■	
Veterinary clinic and hospital		■	■	x	x	x	x	x	x	x	□	x	□	x	x	
Warehousing		x	x	x	x	x	x	x	x	x	x	x	■	■	■	

Prepared by: City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601)545-4550

Return to: City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403
(601)545-4550

INDEXING INSTRUCTIONS:

ORDINANCE NUMBER 3222
OF THE
CITY OF HATTIESBURG, MISSISSIPPI

**AN ORDINANCE AMENDING THE LAND DEVELOPMENT CODE,
ORDINANCE NUMBER 3209, AS AMENDED, SECTION 5, USE REGULATIONS AND
CONDITIONS, SECTION 11, ADMINISTRATION AND ENFORCEMENT, SECTION 12,
PROCESS AND PROCEDURES, AND SECTION 13, DEFINITIONS
FOR THE CITY OF HATTIESBURG, MISSISSIPPI.**

**BE IT ORDAINED BY THE MAYOR AND COUNCIL OF THE CITY OF
HATTIESBURG, MISSISSIPPI:**

SECTION 1. That the Land Development Code, Ordinance Number 3209, as amended, of the City of Hattiesburg, Mississippi, be further amended as follows:

That the Title of Section 5.1 be amended to read "Establishment of a Table of Uses for Base Zoning Districts."

That Section 5.1 be amended to read "The uses permitted in the base zoning districts established by Section 4 are set forth in Table 5.1, Table of Uses and repeated in the base zoning district. Whenever there is a conflict between what is listed in the Table of Uses and the base zoning district, the Table of Uses shall govern."

That Section 5.2 be amended such that the third sentence shall read "Any use not specifically listed in the Permitted Uses Table and any proposed use not substantially similar to a listed use as determined by the Director after consultation may be considered a "Conditional Use" and will require review by the Hattiesburg Planning Commission."

That Section 5.3.2 be amended such that the first sentence shall read "The Table of Uses lists uses for each base zoning district within the City's zoning jurisdiction."

That Section 5.3.3.1 be amended to be titled "Permitted."

That Section 5.3.3.2 be amended to be titled "Permitted with Conditions."

That Section 5.3.3.2 be amended to strike the following sentence: "Further, a use with conditions may be subject to Planning Commission review."

That Section 5.3.3.3 be amended to be titled "Conditional Use."

That Section 5.3.3.4 be amended to be titled "Not Permitted."

That Table 5.1 be amended such that the Additional Use Conditions Cross Reference column is updated to accurately reflect the applicable condition section within Section 5.4 based upon these amendments.

That Table 5.1 be amended to clarify that the following uses are Not Permitted in a B-1 zoning district: "Adult entertainment," "Agriculture related feed, supply and equipment sales and service," "Airport, public or private," "Amusement facilities," "Animal husbandry – for profit and research related, excluding CAFOs as defined by the US EPA," "Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA," "Animal shelter," "Aquaculture – for profit and research related," "Armory," "ATM, outdoor," and "Auction house."

That Table 5.1 be amended to show "Airport, public or private" as Permitted in A-1 zoning districts and Not Permitted in A-2 zoning districts.

That Table 5.1 be amended to show "Animal husbandry – for profit and research related, excluding CAFOs as defined by the US EPA" as Permitted in A-1 and A-2 zoning districts.

That Table 5.1 be amended to show "Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA as defined by the US EPA" as Permitted in A-1 zoning districts, and that this use be amended to be titled "Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA."

That Table 5.1 be amended to show "Aquaculture – for profit and research related" as Permitted in A-1 zoning districts.

That Table 5.1 be amended to add "Automotive filling station" as a new use to be Permitted in B-3, B-5, I-1, and I-2 zoning districts; to be a Conditional Use in B-2 and B-4 zoning districts; and to be Not Permitted in all other zoning districts.

That Table 5.1 be amended by changing the title of the use "Automotive/truck and maintenance" to "Automotive, truck, and small engine maintenance" and that it be further amended to show as Not Permitted in B-1 zoning districts and shown as Permitted in I-1 and I-2 zoning districts.

That Table 5.1 be amended by changing the title of the use "Automotive/truck repair" to "Automotive, truck, and small engine repair" and that it be further amended to show as Permitted in I-1 and I-2 zoning districts.

That Table 5.1 be amended to show "Bus stations" as Permitted in B-3, B-4, B-5, I-1, and I-2 zoning districts.

That Table 5.1 be amended to show "Care center, home" as Conditional Use in R-1A, R-1B, R-1C, R-2, and R-3 zoning districts.

That Table 5.1 be amended to show "Correctional facilities and jails" as Conditional Use in B-5, I-1, and I-2 zoning districts.

That Table 5.1 be amended to show "Dry cleaner" as Permitted in I-1 and I-2 zoning districts.

That Table 5.1 be amended to show "Dwelling, single family attached" as Permitted in B-1 zoning districts.

That Table 5.1 be amended to show "Dwelling, single family detached" as Permitted in B-1 zoning districts.

That Table 5.1 be amended to show “Dwelling, two family” as Permitted with Conditions in B-1 zoning districts and to correct the cross reference to the applicable code section within Section 5.4.

That Table 5.1 be amended to add “Dwelling, mixed use” as a new use to be Permitted with Conditions in B-4 zoning districts, Conditional Use within B-2 and B-3 zoning districts, and Not Permitted in all other zoning districts.

That Table 5.1 be amended to show “Dwelling, zero lot line detached” as Permitted in B-1 zoning districts.

That Table 5.1 be amended to show “Fairgrounds and stadiums, public or private” as Permitted in B-5 and I-1 zoning districts, and as Conditional Use in A-1 and A-2 zoning districts.

That Table 5.1 be amended to show “FDIC financial institutions and mortgage companies, excluding check cashing agencies” as Permitted in B-2 zoning districts.

That Table 5.1 be amended to show “Gallery, museum, and library” as a Conditional Use in R-1A, R-1B, R-1C, R-2, R-3, and B-1 zoning districts.

That Table 5.1 be amended to show “Gated communities” as Conditional Use in R-1A zoning districts.

That Table 5.1 be amended to show “Government center/complex and offices” as Permitted in B-1, I-1, and I-2 zoning districts.

That Table 5.1 be amended to show “Hospital and outpatient clinic” as Permitted in B-3, B-4, and B-5 zoning districts.

That Table 5.1 be amended to show “Lodging – hotel, motel, tourist home” as Permitted in B-3 zoning districts.

That Table 5.1 be amended to show “Medical or dental office” as Permitted in B-2 zoning districts.

That Table 5.1 be amended to add “Methodone maintenance facility” as a new use, shown as a Conditional Use in B-3 and B-5 zoning districts and as Not Permitted in all other zoning districts.

That Table 5.1 be amended by changing the title of the use “Motor vehicle rental and sales” to “Automotive rental and sales” which shall be moved ordered among uses alphabetically in the table and shall show as Not Permitted in B-1 zoning districts and changed to Permitted with Conditions in B-3 zoning districts.

That Table 5.1 be amended by striking the use “Open storage.”

That Table 5.1 be amended to show “Other professional office” as Permitted in I-2 zoning districts.

That Table 5.1 be amended to show “Parking garage” as Permitted in R-3, B-3, B-4, and B-5 zoning districts.

That Table 5.1 be amended to add “Plasma collection facility” as a new use, shown as a Conditional Use in B-5 zoning districts and Not Permitted in all other zoning districts.

That Table 5.1 be amended to show “Places of assembly not otherwise listed” as Conditional Use in R1-A, R-1B, R1-C, R-2, and R-3 zoning districts.

That Table 5.1 be amended to show “Product wholesale” as Permitted in B-5, I-1, and I-2 zoning districts.

That Table 5.1 be amended to correct coloration on the chart for “Railroad maintenance yard,” “Recycling center,” “Sanitary landfill,” “Satellite receiving systems,” and “Sewage disposal plant.”

That Table 5.1 be amended to show “Restaurant, without drive-thru” as Conditional Use in B-1 and B-2 zoning districts and to include the appropriate cross reference to the applicable conditions in Section 5.4.

That Table 5.1 be amended to show “Retail, <10,000 sq. ft.” as Not Permitted in B-1 zoning districts.

That Table 5.1 be amended to show “Sanitary landfill” as Conditional Use in I-2 zoning districts.

That Table 5.1 be amended by striking the uses “Seasonal uses and markets.”

That Table 5.1 be amended to show “Siviculture – for profit and research-related” as Permitted in A-1 and A-2 zoning districts.

That Table 5.1 be amended to show “Storage of junk, junk vehicles, salvage materials, and waste” as Conditional Use in A-1 zoning districts and to include the appropriate cross reference to the applicable conditions in Section 5.4.

That Table 5.1 be amended to add “Solar farm” as a new use, shown as Conditional Use in R-1A, R-2, A-1, A-2, I-1, and I-2 zoning districts and to include the appropriate cross reference to the applicable conditions in Section 5.4.

That Table 5.1 be amended to show “Tattoo parlor” as Permitted in B-3 and B-4 zoning districts.

That Table 5.1 be amended to include applicable cross reference for conditions for “Tow yards (impound lots),” the same as those referenced for “Storage of junk, junk vehicles, salvage materials and waste” uses.

That Section 5.4.1.2 be amended to read “Prior to the installation of any Antenna or tower covered by this ordinance the owner of such Antenna or tower shall make written application as required and include all information required therein.” All other language in Section 5.4.1.2 to be stricken.

That Section 5.4.2.6 be amended by adding paragraph (iii) to read “Accessory residential structures shall be five (5) feet from the rear property line and five (5) feet from the side property line. No accessory structure on a corner lot shall project beyond the front yard line of the lots in the rear.”

That Section 5.4.5.4 be deleted in its entirety.

That Section 5.4.7.1 be amended by adding paragraph (vi) to read “Any mobile detailing service must utilize a water containment system to prevent stormwater system pollution.”

That Section 5.4.7.2, paragraph (i) be amended to delete the second sentence: “Stored vehicles must have a current tag.”

That Section 5.4.8.5 be amended such that the third sentence shall read “The guest book may serve as evidence in the event that the bed and breakfast or commercial meeting privilege is in question.”

That Section 5.4.16 be deleted in its entirety.

That the Title of Section 5.4.18 be amended to read “Dwelling, Two-Family and Multi-Family.”

That Section 5.4 be amended by adding a new subsection of conditions entitled “Dwelling, Mixed-Use.” Conditions shall include that “Non-residential uses must be uses permitted within the zoning district,” “Dwelling in conjunction with uses permitted within the same zoning district provided that mixed residential and non-residential uses are located within the same structure,” and “No more than 50% of the ground floor of a building may be a dwelling use.”

That the Title of Section 5.4.28 shall be amended to read “Dwelling, manufactured (mobile) home.”

That Section 5.4.28 shall be amended such that the text following the title shall read “One Dwelling, manufactured (mobile) home allowed per lot. Manufactured homes on individual lots shall meet the following requirements:”.

That Section 5.4.28.2 shall be amended to read “Anchoring and Foundation. Homes shall be installed and anchored according to State Fire Marshal requirements.”

That Section 5.4.28.6 shall be amended to read “Placement. All homes shall meet setbacks and be placed on the lot in harmony with the existing structures.”

That Section 5.4.28.8 shall be amended to read “Skirting. Skirting or other solid screen shall be installed to enclose the foundation of the structure and crawl space and shall be complimentary to the design of the structure.”

That Section 5.4.28.9 shall be deleted in its entirety.

That Section 5.4.28.10 shall be amended to read “Porch Required. All manufactured homes shall have either a deck or porch with steps at each entrance constructed and installed in accordance with the standards set forth by the current building codes. The minimum square footage of the floor of such porch or deck shall measure at least 36 square feet.”

That Section 5.4.28.11 shall be amended to read “Age. No home not meeting current codes may be relocated or moved onto a lot.”

That Section 5.4.38 shall be deleted in its entirety.

That Section 5.4 be amended by adding a new subsection of conditions entitled “Storage of junk, junk vehicles, salvage materials and waste.” Conditions shall include that “The storage area shall be screened from view of the neighbors and the public by solid fencing or natural terrain of trees or vegetation, a minimum of six (6) feet in height.”

That Section 5.4.42 shall be deleted in its entirety.

That Section 5.4 be amended by adding a new subsection of conditions entitled “Dry cleaner.” Conditions shall include that “No processing on site for zones listed as Permitted with Conditions.”

That Section 11.2.7 be amended to read “Hear and decide requests for preliminary plats and final plats for major subdivisions.”

That Section 11.2.8 be amended to read “Hear and decide recommendations of, or appeals from, the recommendations of the Planning Commission, Board of Adjustment, and Historic Conservation Commission.”

That Section 11.2 be amended to add a new subsection to read “Hear and decide requests for appeal to interpretations of this Code made by the Director.”

That Section 11.3 shall be deleted in its entirety and replaced with the following: “11.3 Planning Commission. The Hattiesburg Planning Commission has been created by the Mayor and City Council as an advisory committee to the City of Hattiesburg in zoning matters and is vested with the rights and responsibilities as provided in Mississippi Code Annotated Section 17-1-17 (1972), and established in the City of Hattiesburg Ordinance No. 1490. The Planning Commission shall have certain duties and responsibilities related to this Land Development Code including, but not necessarily limited to, the following: 11.3.1 Hear and make recommendations to the City Council regarding the adoption or amendment of the Hattiesburg Comprehensive Plan, special area plans, corridor plans, neighborhood plans, the Land Development Code, the Official Zoning Map, and any other plans and policies impacting growth and development of the City. 11.3.2 Hear and make recommendations to the City Council all requests for preliminary plats and final plats (when changes have been proposed) for major subdivisions. 11.3.3 Composition and terms: 11.3.3.1 That the Planning Commission shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council. Each appointee shall be appointed for a period of 5 years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. Each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the commission from three (3) regularly scheduled meetings without excuses shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a

written and accepted excuse, the governing authorities may remove the absent member from the commission and appoint a new member to fill the vacancy. 11.3.3.2 Officers. The commission shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.3.4 Procedure: The Planning Commission shall adopt rules in accordance with the provision of these Regulations. Meetings of the Planning Commission shall be held the first Wednesday of each month at 1 pm. All meetings of the Planning Commission shall be open to the public. The Planning Commission shall keep minutes of its meetings.”

That Section 11.4 shall be amended such that the second sentence of the text following the title shall read “At its discretion, the city council may decide to delegate any or all such duties and responsibilities to another board.”

That Section 11.4.2 be amended to read “Composition and terms: 11.4.2.1 Membership: The Hattiesburg Board of Adjustment shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council for a term of three (3) years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. Each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the commission from three (3) regularly scheduled meetings without excuses shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a written and accepted excuse, the governing authorities may remove the absent member from the commission and appoint a new member to fill the vacancy. 11.4.2.2 Officers: The Board of Adjustment shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.4.3 Procedure: The Board of Adjustment shall adopt rules in accordance with the provision of these Regulations. Meetings of the Board shall be held the first Wednesday of each month following the close of the Planning Commission public hearing. All meetings of the Board of Adjustment shall be open to the public. The Board of Adjustment shall keep minutes of its meetings.”

That Section 11.6.2 be amended to read “Decides requests for preliminary plats for minor subdivisions.”

That Section 11.6.3 be amended to read “Recommends requests for preliminary and final plats of major subdivisions.”

That Section 11.6.4 be amended to read “Recommends requests for final plats for all subdivisions.”

That Section 11.6.5 be amended to be removed from Section 11.6 and placed appropriately into Section 11.7 and to read “Recommends requests for uses permitted with conditions.”

That Section 11.6.6 be deleted in its entirety.

That Sections 11.6.7 and 11.6.8 be amended to be removed from Section 11.6 and placed appropriately into Section 11.7.

That Section 11.6.10 be amended to read “Review and decide any requests for administrative waivers. See 12.5.4.”

That Section 11.7.1 be amended to be removed from Section 11.7 and placed appropriately into

Section 11.6.

That Section 11.7.4.9 be amended to read “Issue Certificates of Zoning Compliance (CZC) certifying the proposed use of land or a new or altered structure is in compliance with the provisions of the Land Development Code within 10 working days of such request. A Temporary CZC may be issued when a structure has met the requirements of the applicable building code but elements of an approved site plan have not yet been completed.

That Sections 11.7.4.11 and 11.7.4.12 be deleted in their entirety.

That Section 11.10.1.4 be amended by deleting the word “Criminal” in the title and changing the \$500 fine referenced therein to \$100.

That Section 11.10.1.7 be amended to read “Withholding Approvals. Any violation of this Code shall constitute grounds for withholding new building permits directly related to the violation until the violation has been corrected, including the payment of all fines and fees.”

That Section 12.3.1.1 be amended by deleting the content of paragraphs (i), (ii), and (iii) and replacing them with “(i) There was a mistake in the original zoning. (ii). The character of the neighborhood has changed substantially so that rezoning is clearly justified and there is a public need for the rezoning. (iii). Annexation.”

That Section 13.2 be amended to change “Automobile Maintenance” to “Automotive, truck, and small engine maintenance” and to establish a definition to read “An establishment primarily engaged in the maintenance of motor vehicle, engines, and similar mechanics, including brakes, upholstery work, tire repair and change, lubrication, tune ups, diagnosing of malfunctions, auto-sound shops, auto upholstery shops, wheel alignment shops and tune-up, battery and similar maintenance work.”

That Section 13.2 be amended to change “Automobile Repair” to “Automotive, truck, and small engine repair” and to establish a definition to read “An establishment primarily engaged in the repair of motor vehicle, engines, and similar mechanics, including paint, body, collision work, auto dismantling operations, and major engine or transmission work and engine part overhaul.”

That Section 13.2 be amended to insert “Methadone Maintenance Facility” as a new definition to read “A clinic, medical dental office or other medical facility that wholly, or in part, is used for the prescription of methadone as more than an ancillary activity and may include other support services such as, but not limited to, a methadone pharmacy, the provision of counseling services, and/or laboratories, but does not include a hospital. For purposes of this definition, an ancillary activity shall mean prescribing methadone to a maximum of 40 clients per day.”

That Section 13.2 be amended such that the definition of “Mobile Home” reads “A manufactured home that does conform to the United States Department of Housing and Urban Development Code (HUD Code) but not the local building code.”

That Section 13.2 be amended to insert “Plasma Collection Facility” as a new definition to read “A building and premises used primarily for the performance of plasmapheresis, which is the procedure whereby whole blood is removed from a plasma donor by venipuncture or phlebotomy, the plasma is separated therefrom for sale or transfer, and the formed elements of the blood are returned to the donor. “Plasma collection facility” does not include donation centers in which primarily whole blood is extracted from donors and used, transferred or sold, such as blood donation centers sponsored by the American Red Cross.”

SECTION 2. Except as hereby expressly changed and amended, the aforesaid Land Development Code, Ordinance Number 3209, adopted February 21, 2017, as amended, of said City of Hattiesburg, Mississippi, shall be and remain in full force and form as adopted.

SECTION 3. That this Ordinance take effect and be in force thirty (30) days from and after passage as provided by law.

The foregoing Ordinance having been reduced to writing, the same was introduced by Councilmember Dryden, seconded by Councilmember George, and was adopted by the following vote to-wit:

YEAS: George
Delgado
Carroll
Dryden
Brown

NAYS: None

THE President thereby declared the motion carried and the foregoing Ordinance adopted and approved, this the 19th day of December A.D., 2017.

(S E A L)

ATTEST:


CLERK OF COUNCIL

ADOPTED:


PRESIDENT

THE above foregoing Ordinance having been submitted to and approved by the Mayor, this the 19th day of December A.D., 2017.

ATTEST:


CITY CLERK

APPROVED:


MAYOR



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-917

File ID: 2017-917

Type: Regular Agenda Item

Status: Tabled

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 12/11/2017

Brief Title: 6192 US Hwy 98 - Sign Variance, Digital Billboard

Final Action:

Minute Book Number: MB2017-476

Title:

Approve or Deny a petition filed by Clint Walker, Applicant, to vary from Section 10.13.6 which states "Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures." And instead replace 1 static billboard structure for a variance of 2 static billboard structures for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3). The Board of Adjustment recommended to APPROVE on December 6, 2017.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-2

Sponsors:

Enactment Date:

Attachments: Dec HPC BOA Minutes, Billboard Conversion
Variance Form, Walker Digital Variance Request

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017	Table				Pass
Action Text: A MOTION was made by Council President Carroll and seconded by Council Member Delgado to TABLE until next meeting to Approve or Deny a petition filed by Clint Walker, Applicant, to vary from Section 10.13.6 which states "Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures." And instead replace 1 static billboard structure for a variance of 2 static billboard structures for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3). The Board of Adjustment recommended to APPROVE on December 6, 2017.							
There being no discussion, the Motion to Table received the affirmative vote of the Council as follows:							
Yeas: 5 - George, Delgado, Carroll, Dryden and Brown							
Nays: 0							

Yea: 5 Council Member George
Council Member Delgado
Council President Carroll
Council Vice President Dryden
Council Member Brown

Text of Legislative File 2017-917

Title

Approve or Deny a petition filed by Clint Walker, Applicant, to vary from Section 10.13.6 which states “Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures.” And instead replace 1 static billboard structure for a variance of 2 static billboard structures for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3). The Board of Adjustment recommended to APPROVE on December 6, 2017.

Summary

6192 US Hwy 98 - Sign Variance, Digital Billboard

Budget Information

Expenditure Type

Purchasing Item

Publication Information

**MINUTES OF THE
REGULAR MEETING OF THE
HATTIESBURG PLANNING COMMISSION AND BOARD OF ADJUSTMENTS
December 6, 2017**

The Hattiesburg Planning Commission and Board of Adjustments did meet in a regular session on December 6, 2017 at 1:00 p.m. at the Jackie Dole Community Center, 220 West Front Street, Hattiesburg, Mississippi. Dick Conville, Chairman, presided over the meeting. A quorum was indicated and the attendance was as follows:

Commissioners Present: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Paul Sims
Jessie Wilson

Commissioners Absent: Rebekah Ray
Sandra Thompson

Board Members Present: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Paul Sims
Jessie Wilson

Board Members Absent: Rebekah Ray

Also Present: Ginger Maddox Lowrey, AICP, Planning Division Manager
Andrew Ellard, Director of Urban Development
Stephen Guthrie, Planner

Chairman Conville declared the meeting of the Hattiesburg Planning Commission and Board of Adjustments open and in session at 1:07 P.M.

INVOCATION

Chairman Conville held a moment of silence for the lives that were lost at Pearl Harbor.

AGENDA REVIEW

There came the matter of the December 2017 Agenda. Chairman Conville suggesting that the Planning Commission item B. be heard last. A request was made by Chairman Conville for a motion to amend the December 2017 Agenda as discussed. A motion was made to amend the December 2017 Agenda by Commissioner Hinton and seconded by Commissioner Corts. A request was made by Chairman Conville for a motion to approve the December 2017 Agenda as amended. A motion was made to approve the December 2017 Agenda as amended by Commissioner Corts and seconded by Commissioner Wilson.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Jessie Wilson

Commissioners voting nay: None
Commissioners absent: Paul Sims

MINUTES REVIEW

There came the matter of the November 1, 2017, minutes. A request was made by Chairman Conville for a motion to approve the November 1, 2017, minutes. A motion was made by Commissioner Miller to approve the minutes and seconded by Commissioner Hinton.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Jessie Wilson

Commissioners voting nay: None
Commissioners absent: Paul Sims

REPORTS

BUILDING REPORT

Steve Mitchell could not attend the meeting, but Planning Staff provided the council with Mr. Mitchell’s report.

PLANNING REPORT

There came the matter of the Planning Report by Ginger Maddox Lowrey, Planning Division Manager. On November 21, 2017 the City Council reviewed the following Hattiesburg Planning Commission recommendations and voted as follows: Donald Crowther rezone of 5066 Old Hwy 42 from I-1 to B-5 (HPC approval upheld). The City Council reviewed the following Hattiesburg Board of Adjustments recommendations and voted as follows: William Brown, Todd Mixon, Duff Real Estate Inc., sign variance for 6393 US Hwy 98 (BOA approval upheld); Kerri Little, Charlie Rodgers, Rodgers Oil, sign variance for 4100 Hardy St. (BOA approval upheld).

CHAIRMAN’S REPORT

There came the matter of the Chairman’s Report. There was none.

PUBLIC HEARING – PLANNING COMMISSION

Chairman Conville declared the Public Hearing for the Planning Commission open at 1:15 P.M. and read the rules and procedures of the hearing.

There came the matter of Item A (Digital Billboard - Replacement), filed by Clint Walker, Applicant, as required in the Land Development Code, Ord. No. 3209, to request a permit for a replacement “Digital Billboard” as provided in Section 10.13.6 and all applicable regulations for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3).

	Name	Address	City/State
<u>Presented by:</u>	Clint Walker	6565 US Hwy 98	Hattiesburg, MS
	- Applicant		
<u>Proponents:</u>	Jimmy Parker	6565 US Hwy 98	Hattiesburg, MS
<u>Opponents:</u>	Norman Beasley	29 West Lake Rd.	Hattiesburg, MS

Chairman Conville declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner Miller made a motion to approve the request contingent upon the approval of a variance from Section 10.13.6 which states “Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures.” and instead replace 1 static billboard structure for a variance of 2 static billboard structures. The motion was seconded by Commissioner Wilson.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Jessie Wilson

Commissioners voting nay: None

Commissioners absent: Paul Sims

PUBLIC HEARING – BOARD OF ADJUSTMENTS

Chairman Conville declared the Public Hearing for the Board for Adjustments open at 2:04 P.M.

There came the matter of Item A (Variance), filed by Clint Walker, Applicant, as required in the Land Development Code, Ord. No. 3209, to vary from Section 10.13.6 which states “Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures.” And instead replace 1 static billboard structure for a variance of 2 static billboard structures for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3).

	Name	Address	City/State
<u>Presented by:</u>	Clint Walker - Applicant	6565 US Hwy 98	Hattiesburg, MS
<u>Proponents:</u>			
<u>Opponents:</u>	Norman Beasley	29 West Lake Rd.	Hattiesburg, MS
	Kerri Little	7712 Hwy 49 N	Hattiesburg, MS

Chairman Conville declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner Miller made a motion to deny the request for a variance with the following criteria: that special conditions and circumstances do not exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same district; that literal interpretation of the provisions of this Code would not deprive the applicant of rights commonly enjoyed by other properties in the same district under the terms of this Code; that the special conditions and circumstances do result from the actions of the applicant; that granting the variance requested will confer on the applicant any special privilege that is denied by this Code to other lands, structures, or buildings in the same district. The motion died for a lack of a second.

Commissioner Corts made a motion to approve the request for a variance with the following criteria: that special conditions and circumstances do exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same district; that literal interpretation of the provisions of this Code would deprive

the applicant of rights commonly enjoyed by other properties in the same district under the terms of this Code. The motion was seconded by Commissioner Hinton.

Commissioner Hinton made a motion to amend the approval criteria to read as follows: that special conditions and circumstances do exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same district; that literal interpretation of the provisions of this Code would deprive the applicant of rights commonly enjoyed by other properties [companies] in the same district under the terms of this Code; on the condition that application seeks to bring the static billboard into compliance, by lowering height, total advertisement square footage, and total number of faces, as stated in Section 10.13.6.f. The motion to amend the approval criteria passed unanimously.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Jessie Wilson
Mark Miller

Commissioners voting nay: None

Commissioners absent: Paul Sims

The vote on the motion to approve is as follows:

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Jessie Wilson

Commissioners voting nay: Mark Miller

Commissioners absent: Paul Sims

PUBLIC HEARING – PLANNING COMMISSION

Chairman Conville declared the Public Hearing for the Planning Commission re-opened at 2:35 P.M.

There came the matter of Item B (LDC Amendment), filed by The City of Hattiesburg, as required in the Land Development Code, Ord. No. 3209, to amend the Land Development Code Section 5, Use Regulations and Conditions, Section 11, Administration and Enforcement, Section 12, Process and Procedure, and Section 13, Definitions. More specifically, amendments are proposed within 5.1, Establishment of a Table of Uses for Standard Districts; 5.2, Determination of Use Category; 5.3, Table of Uses; Table 5.1, Table of Uses; Table 5.4, Additional Use Conditions; 11.2, City Council; 11.3, Planning Commission; 11.4, Board of Adjustment; 11.6, Site and Design Review Committee; 11.7, Director of the Department of Urban Development.; 11.10, Enforcement; 12.3.1.1, Legislative Development Approvals; Process; and 13.2, Definitions. The general intent of the proposed amendment is an effort to clarify language in certain sections, to define or clarify definition of certain terms and uses for ease of interpretation, to establish additional uses that may be appropriate, to modify certain uses permitted and potential conditions thereof in certain zones, to address various issues in which the code is silent on conditions, to clarify processes and authority for the City Council, Planning Commission, and Board of Adjustment, to better align with state law on administration and enforcement, and to define the composition of and terms of office for the Planning Commission and Board of Adjustment. This is an abbreviated summary of the topics addressed in the proposed amendment, and interested parties are encouraged to contact City Hall or visit

www.HattiesburgMS.com to review the proposed amendment in its entirety.

	Name	Address	City/State
<u>Presented by:</u>	The City of Hattiesburg Planning Division		
<u>Proponents:</u>	Lou Mapp	102 St. Annes Drive	Hattiesburg, MS
<u>Opponents:</u>	None		

Chairman Conville declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner Hinton made a motion to approve the request to amend the Land Development Code as presented with the following amendments: Scribner’s errors in the proposal for 5.4.2.6.iii; 5.4.28.8; 5.4.28.10; 5.4.28.11; 11.7.4.9.;

That Table 5.1 be amended to show “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA as defined by the US EPA” as Permitted in A-1 zoning districts, and that this use be amended to be titled “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA.”;

That Section 5.4.7.2, paragraph (i) be amended to delete the second sentence: “Stored vehicles must have a current tag.”;

That Section 11.3 shall be deleted in its entirety and replaced with the following: “11.3 Planning Commission. The Hattiesburg Planning Commission has been created by the Mayor and City Council as an advisory committee to the City of Hattiesburg in zoning matters and is vested with the rights and responsibilities as provided in Mississippi Code Annotated Section 17-1-17 (1972), and established in the City of Hattiesburg Ordinance No. 1490. The Planning Commission shall have certain duties and responsibilities related to this Land Development Code including, but not necessarily limited to, the following: 11.3.1 Hear and make recommendations to the City Council regarding the adoption or amendment of the Hattiesburg Comprehensive Plan, special area plans, corridor plans, neighborhood plans, the Land Development Code, the Official Zoning Map, and any other plans and policies impacting growth and development of the City. 11.3.2 Hear and make recommendations to the City Council all requests for preliminary plats and final plats (when changes have been proposed) for major subdivisions. 11.3.3 Composition and terms: 11.3.3.1 That the Planning Commission shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council. Each appointee shall be appointed for a period of 5 years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. Each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the commission from three (3) regularly scheduled meetings without excuses shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a written and accepted excuse, the governing authorities may remove the absent member from the commission and appoint a new member to fill the vacancy. 11.3.3.2 Officers. The commission shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.3.4 Procedure: The Planning Commission shall adopt rules in accordance with the provision of these Regulations. Meetings of the Commission shall be held the first Wednesday of each month at 1 pm. All meetings of the Planning Commission shall be open to the public. The Planning Commission shall keep minutes of its meetings.”;

That Section 11.4.2 be amended to read “Composition and terms: 11.4.2.1 Membership: The Hattiesburg Board of Adjustment shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council for a term of three (3) years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. Each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the commission from three (3) regularly scheduled meetings without excuses shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a written and accepted excuse, the governing authorities may remove the absent member from

the commission and appoint a new member to fill the vacancy. 11.4.2.2 Officers: The Board of Adjustment shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.4.3 Procedure: The Board of Adjustment shall adopt rules in accordance with the provision of these Regulations. Meetings of the Board shall be held the first Wednesday of each month following the close of the Planning Commission public hearing. All meetings of the Board of Adjustment shall be open to the public. The Board of Adjustment shall keep minutes of its meetings.” The motion was seconded by Commissioner Corts.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Jessie Wilson
Paul Sims

Commissioners voting nay: None

Commissioners absent: Mark Miller

BUSINESS MEETING

There being no further business, the meeting was adjourned at 3:45 PM. Commissioner Wilson made a motion to adjourn the meeting. The motion was seconded at Commissioner Corts.

Dick Conville, Chairman

Ginger Maddox Lowrey, AICP, CFM, Planning Division Manager

Variance Information (1 page)

Note: No nonconforming use of neighboring lands, structures, or buildings in the same district, and no permitted or nonconforming use of lands, structures, or buildings in other districts shall be considered grounds for the issuance of a variance.

1. List reasons why you feel that the property could not be reasonably used without the requested

variance: All other guidelines have been met but the company does not own two
static structures to remove.

2. All of the following conditions must be met before a variance can be recommended.

Explain and justify your proposal's compliance with each condition:

- a. That special conditions and circumstances exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same district.

The company does not own two static structures to be removed for the
conversion.

- b. That literal interpretation of the provisions of this Code would deprive the applicant of rights commonly enjoyed by other properties in the same district under the terms of this Code.

The company does not own static billboards to remove.

- c. That the special conditions and circumstances do not result from the actions of the applicant.

Our company does not own any static boards to remove

- d. That granting the variance requested will not confer on the applicant any special privilege that is denied by this Code to other lands, structures, or buildings in the same district.

We are asking for the variance not out of special privilege but
we do not have the two static boards to remove.



**Board of Adjustments
Case Fact Sheet**

Property Applicant: Clint Walker, Applicant

Address of Properties:	Tax Parcels	PPIN:	Ward:
6192 US Hwy 98	052R-10-015.000	20599	3

Request: **Variance**

Purpose of Request: To consider an application to vary from Section 10.13.6 which states "Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures." And instead replace 1 static billboard structure for a variance of 2 static billboard structures for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3).

Applicant Summary: See Attached

Applicable Regulations:

Section 10 a. Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures. A building permit for the removal of three static billboard (location of sites as approved under the Use Permit Upon Review) for the conversion of an existing static billboard structure to a digital billboard structure. Confirmation of the removal of the required number of existing static billboard structures shall be on file with the Land Development Code Administrator prior to the issuance of a permit to convert an existing static billboard structure to a digital billboard structure.

Present Zoning: This parcel is currently zoned B-5 (Regional Business)

Present Use: Static Billboard

**Surrounding Zoning
and Land Use:**

North: B-5 (Regional Business) Commercial/Undeveloped
South: B-5 (Regional Business) Commercial
East: B-5 (Regional Business) Commercial/Retail
West: B-5 (Regional Business) Commercial/Undeveloped

**Most Nearly
Bounded By (streets):**

This parcel is accessible from the North by Hardy Street and bounded to the East by Lake Forgetful Road, the South by Lincoln Road, and the West by Lamar Boulevard.

**Letters or
Concerns stated:**

The Planning Division Office has not received any letters or other written communications relative to this case as of November 21, 2017

History / Background:

This property is currently a static billboard structure containing four static billboards

Basis for Approval:

That special conditions and circumstances **(do / do not)** exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same district;

That literal interpretation of the provisions of this Code **(would / would not)** deprive the applicant of rights commonly enjoyed by other properties in the same district under the terms of this Code;

That the special conditions and circumstances **(do / do not)** result from the actions of the applicant;

That granting the variance requested **(will / will not)** confer on the applicant any special privilege that is denied by this Code to other lands, structures, or buildings in the same district.

SUBJECT PARCEL:

6192 US Hwy 98

Clint Walker, Applicant

FILED

NOV 27 2017

BY *Agelk Young*
CITY CLERK
DEPUTY CLERK

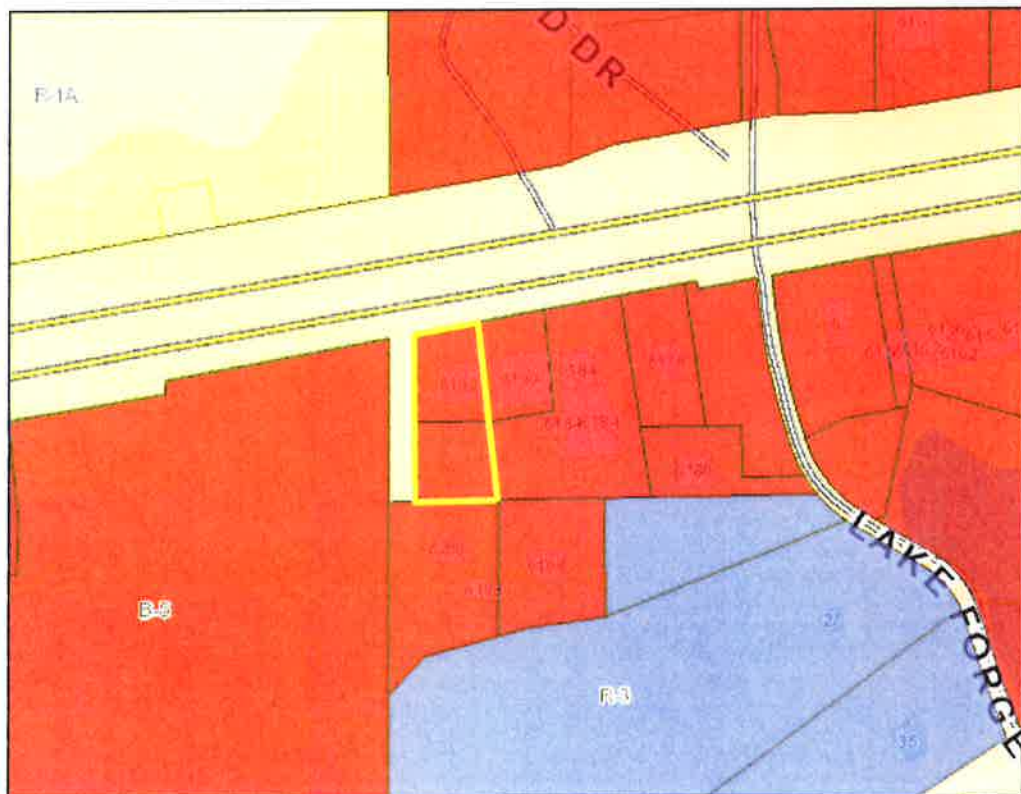
The applicant request a permit for a replacement "Digital Billboard" as provided in Section 10.13.6 and all applicable regulations for a certain property and to vary from Section 10.13.6 which states "Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures." And instead replace 1 static billboard structure for a variance of 2 static billboard structures for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3). located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3).



Vicinity Map—Ward 3



Zoning— B-5



Site Aerial



SURROUNDING AREA

Northern Direction: B-5 (Regional Business) Commercial/Undeveloped



Southern Direction: B-5 (Regional Business) Commercial



Eastern Direction: B-5 (Regional Business) Commercial/Retail



Western Direction: B-5 (Regional Business) Commercial/Undeveloped



Use Permit upon Review for Digital Billboard, Replacement Information (3 pages)

1. Billboard Type: ☒ Replacement (see Digital Billboard, New form for new billboards)
2. Located in ☒ Regional Corridor or ☐ Commercial Corridor
3. Specific Corridor locations (check applicable):
REGIONAL:
 - ☐ U.S. Highway 49: From Northern city limit southward to intersection with Old Highway 42;
 - ☐ U.S. Highway 49: From intersection at Edwards Street and Elk's Lake Road south to southern city limit;
 - ☐ Old Highway 42: From intersection at U.S. Highway 49 to Main Street;
 - ☒ U.S. Highway 98: From Western city limit eastward to intersection with Interstate 59;
 - ☐ U.S. Highway 98: From Eastern city limit westward to intersection with Interstate 59;
 - ☐ Interstate 59COMMERCIAL:
 - ☐ U.S. Highway 49: From intersection at Old Highway 42 southward to intersection with Edwards Street.
 - ☐ Old Highway 42: From intersection at Main Street eastward to city limit.
 - ☐ Broadway Drive: From intersection at West Pine Street southwesterly to intersection with U.S. Highway 49.
 - ☐ Hardy Street: From intersection at Interstate 59 eastward to intersection with U.S. Highway 49.
 - ☐ Bouie Street: From intersection at Old Highway 42 south to intersection with East 4th Street.
 - ☐ James Street (north): From the intersection at Edwards Street south to intersection with J. M. Tatum Industrial Drive.
 - ☐ WSF Tatum Boulevard: From U.S. Highway 11 to U.S. Highway 49.
4. ☐ Attached is an inventory of all outdoor signs within the City limits of Hattiesburg. Inventory must include location with longitude/latitude, size, number of faces and type of illumination.

Replacement Billboard - Location Lat./Long: 31.319902 / -89.390088
PPIN: 020599 Street Address: 6092 US - HWY 98, Hattiesburg, MS
Size: height 10 x width 40 Number of faces: 2 Type Illumination: Digital
☐ Conversion or ☒ Replacement of existing Static Billboards with a Digital

Detailed Information on the two (2) Billboards to be removed:

Billboard #1 - Location Lat./Long: See Variance Form
PPIN: N/A Street Address: N/A
Size: height N/A x width N/A Number of faces: N/A Type Illumination: N/A

Billboard #2 - Location Lat./Long: N/A - See Variance Form

PPIN: N/A Street Address: N/A

Size: height N/A x width N/A Number of faces: N/A Type Illumination: N/A

5. Area and Setback Regulations for a REPLACEMENT Digital Billboard:

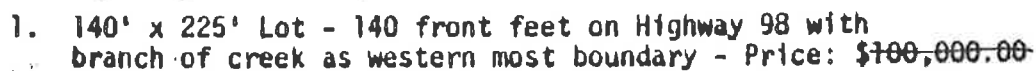
Billboard-Replacement			
Area and Setback Regulations	Regional Business Corridors	Community Business Corridors	PROVIDE INFO SPECIFIC TO PROPOSED SIGN
1. Primary Structure	Does not apply.	Does not apply.	
2. Spacing between Digital Billboards	Minimum 1,000 linear feet measured radially	Minimum 2,500 linear feet measured radially	
3. Spacing between Digital Billboards and Static Billboards	Minimum 1,000 linear feet measured radially	Minimum 1,250 linear feet measured radially	
4. Distance from residentially zoned districts	Does not apply.	Does not apply.	
5. Face Area	Maximum 400 square feet	Maximum 230 square feet	
6. Face Width	Maximum 40 feet	Maximum 23 feet	
7. Face Height	Maximum 10 feet	Maximum 10 feet	
8. Structure Height	Maximum 35 feet	See Section 95.10 (3.1) (3Dd)	
9. Clearance above ground	Minimum 10 feet	Minimum 10 feet	
10. Front Setback	Does not apply.	Does not apply.	
11. Side Setback	Does not apply.	Does not apply.	
12. Rear Setback	Does not apply.	Does not apply.	
13. Static display time for each message	Minimum eight (8) seconds.	Minimum eight (8) seconds.	
14. Off time for each message change	Maximum two (2) seconds	Maximum two (2) seconds	

I attest to compliance with each initialed box below:

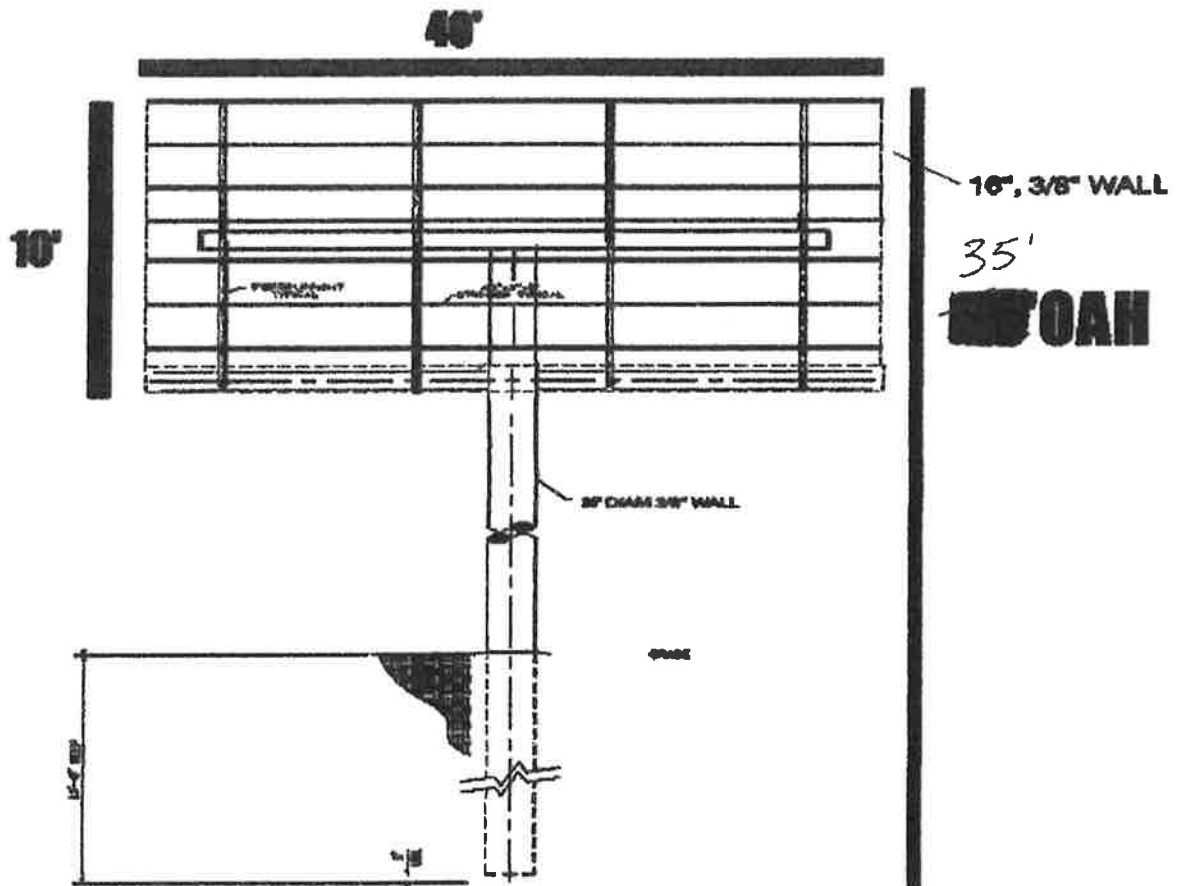
7. ☒ *mcw* Movement: The image will change instantaneously as seen by the human eye, and shall not use blinking, fading, rolling, shading, dissolving, or similar effects as part of the change.
8. ☒ *mcw* Light levels: All digital billboards shall be equipped with light sensing devices or a scheduled dimming timer that will automatically dim the intensity of the light emitted by the sign during ambient low-light conditions and at night so that the sign does not exceed the maximum brightness levels allowed in this section.
9. ☒ *mcw* Maximum brightness shall not exceed five thousand (5,000) nits when measured from the sign's face at its maximum brightness during daylight hours and shall not exceed five hundred (500) nits when measured from the sign's face at its maximum brightness at night.
10. ☒ *mcw* If such sign is located within one hundred (100) feet of a property with residential zoning, the sign must be oriented such that no portion of the electronic sign face is visible from a residentially-zoned property or the brightness is reduced to no more than two hundred fifty (250) nits at night.
11. ☒ *mcw* Malfunctions: Any malfunction shall be repaired or disconnected within 48 hours by the owner or operator of such billboard.
12. One of the following conditions must be met before a Use Permit upon Review can be recommended. Check the condition(s) most applicable to your request and explain in writing.
- ☐ A. The need to protect the stability, integrity, and character of Hattiesburg's residential neighborhoods.
 - ☒ B. The need to preserve and encourage the stability of the Hattiesburg business community. - Allows the advertising of Hattiesburg Business community, will help preserve and encourage stability
 - ☐ C. The need to reinforce Hattiesburg's quality of life, preserve neighborhood identity, and boost community pride.
 - ☐ D. The need to conserve and protect Hattiesburg's physical infrastructure.
 - ☒ E. The public need for the proposed use, as opposed to the private interest of an individual. - From time to time this structure will be used to promote the community and public of Hattiesburg.

Detailed explanation of condition(s) most applicable to your request:

Our structure will preserve and encourage the stability of the
Hattiesburg business community through advertising. And will also, from time to
time be used to promote the community and public through the same channel



Raymond M. Dearman
Civil Engineer, No. 3302





City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-915

File ID: 2017-915

Type: Regular Agenda Item

Status: Tabled

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 12/11/2017

Brief Title: 6192 US Highway 98 - Digital Billboard permit

Final Action:

Minute Book Number: MB2017-476

Title:

Approve or Deny a petition filed by Clint Walker, Applicant, to request a permit for a replacement "Digital Billboard" as provided in Section 10.13.6 and all applicable regulations for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3). The Planning Commission recommended to APPROVE, contingent upon the approval of a variance from Section 10.13.6, on December 6, 2017.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-3

Sponsors:

Enactment Date:

Attachments: Dec HPC BOA Minutes, Walker Digital Billboard - report

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017	Table				Pass
Action Text: A MOTION was made by Council President Carroll and seconded by Council Member Delgado to TABLE to Approve or Deny a petition filed by Clint Walker, Applicant, to request a permit for a replacement "Digital Billboard" as provided in Section 10.13.6 and all applicable regulations for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3). The Planning Commission recommended to APPROVE, contingent upon the approval of a variance from Section 10.13.6, on December 6, 2017.							
There being no discussion, the Motion to Table received the affirmative vote of the Council as follows:							
Yeas: 5 - George, Delgado, Carroll, Dryden and Brown							
Nays: 0							

Yea: 5 Council Member George
Council Member Delgado
Council President Carroll
Council Vice President Dryden
Council Member Brown

Text of Legislative File 2017-915

Title

Approve or Deny a petition filed by Clint Walker, Applicant, to request a permit for a replacement “Digital Billboard” as provided in Section 10.13.6 and all applicable regulations for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3). The Planning Commission recommended to APPROVE, contingent upon the approval of a variance from Section 10.13.6, on December 6, 2017.

Summary

6192 US Highway 98 - Digital Billboard permit

Budget Information

Expenditure Type

Purchasing Item

Publication Information

**MINUTES OF THE
REGULAR MEETING OF THE
HATTIESBURG PLANNING COMMISSION AND BOARD OF ADJUSTMENTS
December 6, 2017**

The Hattiesburg Planning Commission and Board of Adjustments did meet in a regular session on December 6, 2017 at 1:00 p.m. at the Jackie Dole Community Center, 220 West Front Street, Hattiesburg, Mississippi. Dick Conville, Chairman, presided over the meeting. A quorum was indicated and the attendance was as follows:

Commissioners Present: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Paul Sims
Jessie Wilson

Commissioners Absent: Rebekah Ray
Sandra Thompson

Board Members Present: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Paul Sims
Jessie Wilson

Board Members Absent: Rebekah Ray

Also Present: Ginger Maddox Lowrey, AICP, Planning Division Manager
Andrew Ellard, Director of Urban Development
Stephen Guthrie, Planner

Chairman Conville declared the meeting of the Hattiesburg Planning Commission and Board of Adjustments open and in session at 1:07 P.M.

INVOCATION

Chairman Conville held a moment of silence for the lives that were lost at Pearl Harbor.

AGENDA REVIEW

There came the matter of the December 2017 Agenda. Chairman Conville suggesting that the Planning Commission item B. be heard last. A request was made by Chairman Conville for a motion to amend the December 2017 Agenda as discussed. A motion was made to amend the December 2017 Agenda by Commissioner Hinton and seconded by Commissioner Corts. A request was made by Chairman Conville for a motion to approve the December 2017 Agenda as amended. A motion was made to approve the December 2017 Agenda as amended by Commissioner Corts and seconded by Commissioner Wilson.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Jessie Wilson

Commissioners voting nay: None
Commissioners absent: Paul Sims

MINUTES REVIEW

There came the matter of the November 1, 2017, minutes. A request was made by Chairman Conville for a motion to approve the November 1, 2017, minutes. A motion was made by Commissioner Miller to approve the minutes and seconded by Commissioner Hinton.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Jessie Wilson

Commissioners voting nay: None
Commissioners absent: Paul Sims

REPORTS

BUILDING REPORT

Steve Mitchell could not attend the meeting, but Planning Staff provided the council with Mr. Mitchell’s report.

PLANNING REPORT

There came the matter of the Planning Report by Ginger Maddox Lowrey, Planning Division Manager. On November 21, 2017 the City Council reviewed the following Hattiesburg Planning Commission recommendations and voted as follows: Donald Crowther rezone of 5066 Old Hwy 42 from I-1 to B-5 (HPC approval upheld). The City Council reviewed the following Hattiesburg Board of Adjustments recommendations and voted as follows: William Brown, Todd Mixon, Duff Real Estate Inc., sign variance for 6393 US Hwy 98 (BOA approval upheld); Kerri Little, Charlie Rodgers, Rodgers Oil, sign variance for 4100 Hardy St. (BOA approval upheld).

CHAIRMAN’S REPORT

There came the matter of the Chairman’s Report. There was none.

PUBLIC HEARING – PLANNING COMMISSION

Chairman Conville declared the Public Hearing for the Planning Commission open at 1:15 P.M. and read the rules and procedures of the hearing.

There came the matter of Item A (Digital Billboard - Replacement), filed by Clint Walker, Applicant, as required in the Land Development Code, Ord. No. 3209, to request a permit for a replacement “Digital Billboard” as provided in Section 10.13.6 and all applicable regulations for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3).

	Name	Address	City/State
<u>Presented by:</u>	Clint Walker	6565 US Hwy 98	Hattiesburg, MS
	- Applicant		
<u>Proponents:</u>	Jimmy Parker	6565 US Hwy 98	Hattiesburg, MS
<u>Opponents:</u>	Norman Beasley	29 West Lake Rd.	Hattiesburg, MS

Chairman Conville declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner Miller made a motion to approve the request contingent upon the approval of a variance from Section 10.13.6 which states “Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures.” and instead replace 1 static billboard structure for a variance of 2 static billboard structures. The motion was seconded by Commissioner Wilson.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Mark Miller
Jessie Wilson

Commissioners voting nay: None

Commissioners absent: Paul Sims

PUBLIC HEARING – BOARD OF ADJUSTMENTS

Chairman Conville declared the Public Hearing for the Board for Adjustments open at 2:04 P.M.

There came the matter of Item A (Variance), filed by Clint Walker, Applicant, as required in the Land Development Code, Ord. No. 3209, to vary from Section 10.13.6 which states “Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures.” And instead replace 1 static billboard structure for a variance of 2 static billboard structures for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3).

	Name	Address	City/State
<u>Presented by:</u>	Clint Walker - Applicant	6565 US Hwy 98	Hattiesburg, MS
<u>Proponents:</u>			
<u>Opponents:</u>	Norman Beasley	29 West Lake Rd.	Hattiesburg, MS
	Kerri Little	7712 Hwy 49 N	Hattiesburg, MS

Chairman Conville declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner Miller made a motion to deny the request for a variance with the following criteria: that special conditions and circumstances do not exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same district; that literal interpretation of the provisions of this Code would not deprive the applicant of rights commonly enjoyed by other properties in the same district under the terms of this Code; that the special conditions and circumstances do result from the actions of the applicant; that granting the variance requested will confer on the applicant any special privilege that is denied by this Code to other lands, structures, or buildings in the same district. The motion died for a lack of a second.

Commissioner Corts made a motion to approve the request for a variance with the following criteria: that special conditions and circumstances do exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same district; that literal interpretation of the provisions of this Code would deprive

the applicant of rights commonly enjoyed by other properties in the same district under the terms of this Code. The motion was seconded by Commissioner Hinton.

Commissioner Hinton made a motion to amend the approval criteria to read as follows: that special conditions and circumstances do exist which are peculiar to the land, structure, or building involved and which are not applicable to other lands, structures, or buildings in the same district; that literal interpretation of the provisions of this Code would deprive the applicant of rights commonly enjoyed by other properties [companies] in the same district under the terms of this Code; on the condition that application seeks to bring the static billboard into compliance, by lowering height, total advertisement square footage, and total number of faces, as stated in Section 10.13.6.f. The motion to amend the approval criteria passed unanimously.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Jessie Wilson
Mark Miller

Commissioners voting nay: None

Commissioners absent: Paul Sims

The vote on the motion to approve is as follows:

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Jessie Wilson

Commissioners voting nay: Mark Miller

Commissioners absent: Paul Sims

PUBLIC HEARING – PLANNING COMMISSION

Chairman Conville declared the Public Hearing for the Planning Commission re-opened at 2:35 P.M.

There came the matter of Item B (LDC Amendment), filed by The City of Hattiesburg, as required in the Land Development Code, Ord. No. 3209, to amend the Land Development Code Section 5, Use Regulations and Conditions, Section 11, Administration and Enforcement, Section 12, Process and Procedure, and Section 13, Definitions. More specifically, amendments are proposed within 5.1, Establishment of a Table of Uses for Standard Districts; 5.2, Determination of Use Category; 5.3, Table of Uses; Table 5.1, Table of Uses; Table 5.4, Additional Use Conditions; 11.2, City Council; 11.3, Planning Commission; 11.4, Board of Adjustment; 11.6, Site and Design Review Committee; 11.7, Director of the Department of Urban Development.; 11.10, Enforcement; 12.3.1.1, Legislative Development Approvals; Process; and 13.2, Definitions. The general intent of the proposed amendment is an effort to clarify language in certain sections, to define or clarify definition of certain terms and uses for ease of interpretation, to establish additional uses that may be appropriate, to modify certain uses permitted and potential conditions thereof in certain zones, to address various issues in which the code is silent on conditions, to clarify processes and authority for the City Council, Planning Commission, and Board of Adjustment, to better align with state law on administration and enforcement, and to define the composition of and terms of office for the Planning Commission and Board of Adjustment. This is an abbreviated summary of the topics addressed in the proposed amendment, and interested parties are encouraged to contact City Hall or visit

www.HattiesburgMS.com to review the proposed amendment in its entirety.

	Name	Address	City/State
<u>Presented by:</u>	The City of Hattiesburg Planning Division		
<u>Proponents:</u>	Lou Mapp	102 St. Annes Drive	Hattiesburg, MS
<u>Opponents:</u>	None		

Chairman Conville declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner Hinton made a motion to approve the request to amend the Land Development Code as presented with the following amendments: Scribner’s errors in the proposal for 5.4.2.6.iii; 5.4.28.8; 5.4.28.10; 5.4.28.11; 11.7.4.9.;

That Table 5.1 be amended to show “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA as defined by the US EPA” as Permitted in A-1 zoning districts, and that this use be amended to be titled “Animal husbandry – for profit and research related, including Concentrated Animal Feeding Operation as defined by the US EPA.”;

That Section 5.4.7.2, paragraph (i) be amended to delete the second sentence: “Stored vehicles must have a current tag.”;

That Section 11.3 shall be deleted in its entirety and replaced with the following: “11.3 Planning Commission. The Hattiesburg Planning Commission has been created by the Mayor and City Council as an advisory committee to the City of Hattiesburg in zoning matters and is vested with the rights and responsibilities as provided in Mississippi Code Annotated Section 17-1-17 (1972), and established in the City of Hattiesburg Ordinance No. 1490. The Planning Commission shall have certain duties and responsibilities related to this Land Development Code including, but not necessarily limited to, the following: 11.3.1 Hear and make recommendations to the City Council regarding the adoption or amendment of the Hattiesburg Comprehensive Plan, special area plans, corridor plans, neighborhood plans, the Land Development Code, the Official Zoning Map, and any other plans and policies impacting growth and development of the City. 11.3.2 Hear and make recommendations to the City Council all requests for preliminary plats and final plats (when changes have been proposed) for major subdivisions. 11.3.3 Composition and terms: 11.3.3.1 That the Planning Commission shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council. Each appointee shall be appointed for a period of 5 years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. Each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the commission from three (3) regularly scheduled meetings without excuses shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a written and accepted excuse, the governing authorities may remove the absent member from the commission and appoint a new member to fill the vacancy. 11.3.3.2 Officers. The commission shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.3.4 Procedure: The Planning Commission shall adopt rules in accordance with the provision of these Regulations. Meetings of the Commission shall be held the first Wednesday of each month at 1 pm. All meetings of the Planning Commission shall be open to the public. The Planning Commission shall keep minutes of its meetings.”;

That Section 11.4.2 be amended to read “Composition and terms: 11.4.2.1 Membership: The Hattiesburg Board of Adjustment shall be composed of eleven (11) members, residents of the City appointed by the Mayor and ratified by the City Council for a term of three (3) years. Vacancies shall be filled by the governing authorities and appointments to fill vacancies shall be for unexpired terms only. Each member shall be eligible for reappointment. All members of the commission shall serve without pay. The continued absence of any member of the commission from three (3) regularly scheduled meetings without excuses shall be just cause for the removal of said member from the commission by the governing authorities. Upon receipt of written notice from the chairman of the planning commission to the governing authorities of the City of Hattiesburg, stating that a member has been absent for three (3) meetings in any one year without a written and accepted excuse, the governing authorities may remove the absent member from

the commission and appoint a new member to fill the vacancy. 11.4.2.2 Officers: The Board of Adjustment shall elect from among the members its own chairman, vice-chairman, and secretary and provide from time to time such rules and regulations not inconsistent with the ordinances of said city, for its own organization and procedure as it may deem proper. A simple majority of appointed and ratified members shall constitute a quorum for the transaction of business. 11.4.3 Procedure: The Board of Adjustment shall adopt rules in accordance with the provision of these Regulations. Meetings of the Board shall be held the first Wednesday of each month following the close of the Planning Commission public hearing. All meetings of the Board of Adjustment shall be open to the public. The Board of Adjustment shall keep minutes of its meetings.” The motion was seconded by Commissioner Corts.

Commissioners voting aye: Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Judy Corts
Jessie Wilson
Paul Sims

Commissioners voting nay: None

Commissioners absent: Mark Miller

BUSINESS MEETING

There being no further business, the meeting was adjourned at 3:45 PM. Commissioner Wilson made a motion to adjourn the meeting. The motion was seconded at Commissioner Corts.

Dick Conville, Chairman

Ginger Maddox Lowrey, AICP, CFM, Planning Division Manager



**Planning Commission
Case Fact Sheet**

Property Applicant: Clint Walker, Applicant

Address of Properties:
6192 US Hwy 98

Tax Parcels
052R-10-015.000

PPIN:
20599

Ward:
3

Request: **Digital Billboard Permit**

Purpose of Request: To consider an application to request a permit for a replacement "Digital Billboard" as provided in Section 10.13.6 and all applicable regulations for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3).

Applicant Summary: See Attached

Applicable Regulations:

Section 10 a. Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures. A building permit for the removal of three static billboard (location of sites as approved under the Use Permit Upon Review) for the conversion of an existing static billboard structure to a digital billboard structure. Confirmation of the removal of the required number of existing static billboard structures shall be on file with the Land Development Code Administrator prior to the issuance of a permit to convert an existing static billboard structure to a digital billboard structure.

Present Zoning: This parcel is currently zoned B-5 (Regional Business)

Present Use: Static Billboard

Surrounding Zoning and Land Use: North: B-5 (Regional Business) Commercial/Undeveloped

South: B-5 (Regional Business) Commercial
East: B-5 (Regional Business) Commercial/Retail
West: B-5 (Regional Business) Commercial/Undeveloped

Most Nearly

Bounded By (streets):

This parcel is accessible from the North by Hardy Street and bounded to the East by Lake Forgetful Road, the South by Lincoln Road, and the West by Lamar Boulevard.

Letters or

Concerns stated:

The Planning Division Office has not received any letters or other written communications relative to this case as of November 21, 2017

History / Background:

This property is currently a static billboard structure containing four static billboards

Basis for Approval:

Recommend **APPROVAL** or **DENIAL** of the request for a digital billboard permit.

SUBJECT PARCEL:

6192 US Hwy 98

Clint Walker, Applicant

FILED

NOV 27 2017

BY *W. H. Young*
CLERK
DEPUTY CLERK

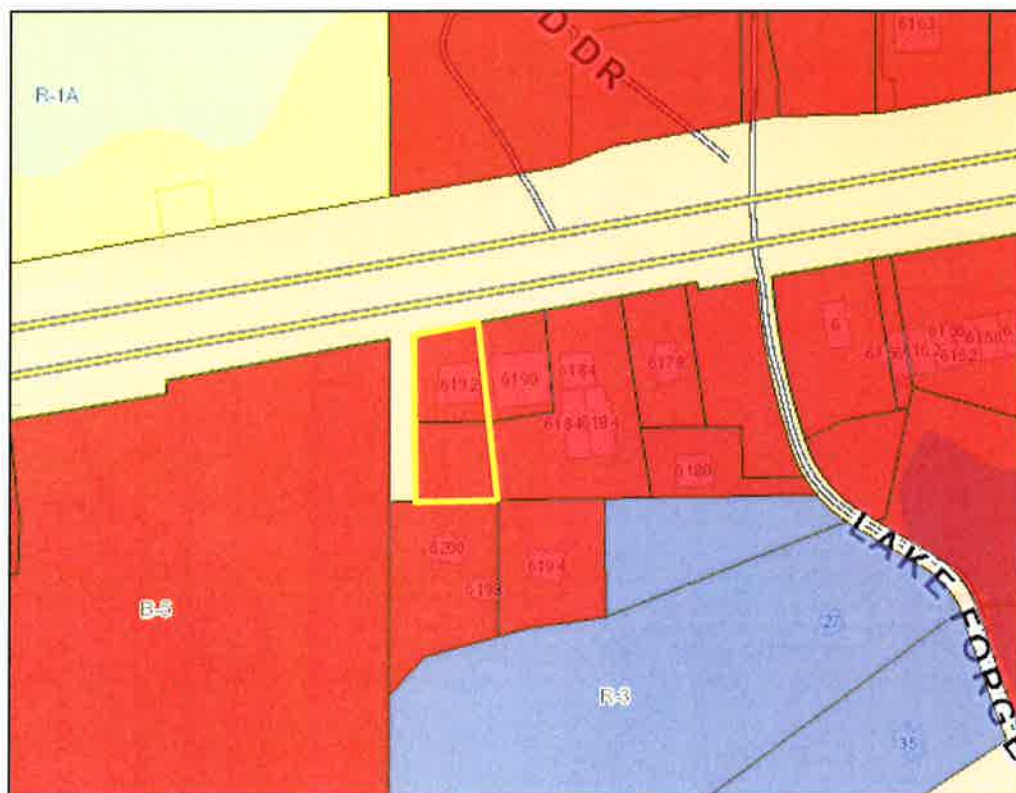
The applicant request a permit for a replacement "Digital Billboard" as provided in Section 10.13.6 and all applicable regulations for a certain property and to vary from Section 10.13.6 which states "Billboard replacement, of all or any part thereof, shall require the removal of two additional static billboard structures." And instead replace 1 static billboard structure for a variance of 2 static billboard structures for a certain property located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3). located at 6192 US Hwy 98 (Parcel 052R-10-015.000, PPIN 20599, Ward 3).



Vicinity Map—Ward 3



Zoning— B-5



Site Aerial



SURROUNDING AREA

Northern Direction: B-5 (Regional Business) Commercial/Undeveloped



Southern Direction: B-5 (Regional Business) Commercial



Eastern Direction: B-5 (Regional Business) Commercial/Retail

Western Direction: B-5 (Regional Business) Commercial/Undeveloped



Use Permit upon Review for Digital Billboard, Replacement Information (3 pages)

1. Billboard Type: ☒ Replacement (see Digital Billboard, New form for new billboards)
2. Located in ☒ Regional Corridor or ☐ Commercial Corridor
3. Specific Corridor locations (check applicable):
REGIONAL:
 - ☐ U.S. Highway 49: From Northern city limit southward to intersection with Old Highway 42;
 - ☐ U.S. Highway 49: From intersection at Edwards Street and Elk's Lake Road south to southern city limit;
 - ☐ Old Highway 42: From intersection at U.S. Highway 49 to Main Street;
 - ☒ U.S. Highway 98: From Western city limit eastward to intersection with Interstate 59;
 - ☐ U.S. Highway 98: From Eastern city limit westward to intersection with Interstate 59;
 - ☐ Interstate 59COMMERCIAL:
 - ☐ U.S. Highway 49: From intersection at Old Highway 42 southward to intersection with Edwards Street.
 - ☐ Old Highway 42: From intersection at Main Street eastward to city limit.
 - ☐ Broadway Drive: From intersection at West Pine Street southwesterly to intersection with U.S. Highway 49.
 - ☐ Hardy Street: From intersection at Interstate 59 eastward to intersection with U.S. Highway 49.
 - ☐ Bouie Street: From intersection at Old Highway 42 south to intersection with East 4th Street.
 - ☐ James Street (north): From the intersection at Edwards Street south to intersection with J. M. Tatum Industrial Drive.
 - ☐ WSF Tatum Boulevard: From U.S. Highway 11 to U.S. Highway 49.
4. ☐ Attached is an inventory of all outdoor signs within the City limits of Hattiesburg. Inventory must include location with longitude/latitude, size, number of faces and type of illumination.

Replacement Billboard - Location Lat./Long: 31.319902 / -89.390088

PPIN: 020599 Street Address: 6192 US-HWY 98, Hattiesburg, MS

Size: height 10 x width 40 Number of faces: 2 Type Illumination: Digital

☐ Conversion or ☒ Replacement of existing Static Billboards with a Digital

Detailed Information on the two (2) Billboards to be removed:

Billboard #1 - Location Lat./Long: See Variance Form

PPIN: N/A Street Address: N/A

Size: height N/A x width N/A Number of faces: N/A Type Illumination: N/A

Billboard #2 - Location Lat./Long: N/A - See Variance Form

PPIN: N/A

Street Address: N/A

Size: height N/A x width N/A Number of faces: N/A Type Illumination: N/A

5. Area and Setback Regulations for a REPLACEMENT Digital Billboard:

Billboard-Replacement			
Area and Setback Regulations	Regional Business Corridors	Community Business Corridors	PROVIDE INFO SPECIFIC TO PROPOSED SIGN
1. Primary Structure	Does not apply.	Does not apply.	
2. Spacing between Digital Billboards	Minimum 1,000 linear feet measured radially	Minimum 2,500 linear feet measured radially	
3. Spacing between Digital Billboards and Static Billboards	Minimum 1,000 linear feet measured radially	Minimum 1,250 linear feet measured radially	
4. Distance from residentially zoned districts	Does not apply.	Does not apply.	
5. Face Area	Maximum 400 square feet	Maximum 230 square feet	
6. Face Width	Maximum 40 feet	Maximum 23 feet	
7. Face Height	Maximum 10 feet	Maximum 10 feet	
8. Structure Height	Maximum 35 feet	See Section 95.10 (3.1) (3Dd)	
9. Clearance above ground	Minimum 10 feet	Minimum 10 feet	
10. Front Setback	Does not apply.	Does not apply.	
11. Side Setback	Does not apply.	Does not apply.	
12. Rear Setback	Does not apply.	Does not apply.	
13. Static display time for each message	Minimum eight (8) seconds.	Minimum eight (8) seconds.	
14. Off time for each message change	Maximum two (2) seconds	Maximum two (2) seconds	

I attest to compliance with each initialed box below:

7. ☒ *mcw* Movement: The image will change instantaneously as seen by the human eye, and shall not use blinking, fading, rolling, shading, dissolving, or similar effects as part of the change.
8. ☒ *mcw* Light levels: All digital billboards shall be equipped with light sensing devices or a scheduled dimming timer that will automatically dim the intensity of the light emitted by the sign during ambient low-light conditions and at night so that the sign does not exceed the maximum brightness levels allowed in this section.
9. ☒ *mcw* Maximum brightness shall not exceed five thousand (5,000) nits when measured from the sign's face at its maximum brightness during daylight hours and shall not exceed five hundred (500) nits when measured from the sign's face at its maximum brightness at night.
10. ☒ *mcw* If such sign is located within one hundred (100) feet of a property with residential zoning, the sign must be oriented such that no portion of the electronic sign face is visible from a residentially-zoned property or the brightness is reduced to no more than two hundred fifty (250) nits at night.
11. ☒ *mcw* Malfunctions: Any malfunction shall be repaired or disconnected within 48 hours by the owner or operator of such billboard.
12. One of the following conditions must be met before a Use Permit upon Review can be recommended. Check the condition(s) most applicable to your request and explain in writing.
- ☐ A. The need to protect the stability, integrity, and character of Hattiesburg's residential neighborhoods.
 - ☒ B. The need to preserve and encourage the stability of the Hattiesburg business community. - Allows the advertising of Hattiesburg Business community, will help preserve and encourage stability
 - ☐ C. The need to reinforce Hattiesburg's quality of life, preserve neighborhood identity, and boost community pride.
 - ☐ D. The need to conserve and protect Hattiesburg's physical infrastructure.
 - ☒ E. The public need for the proposed use, as opposed to the private interest of an individual. - From time to time this structure will be used to promote the community and public of Hattiesburg.

Detailed explanation of condition(s) most applicable to your request:

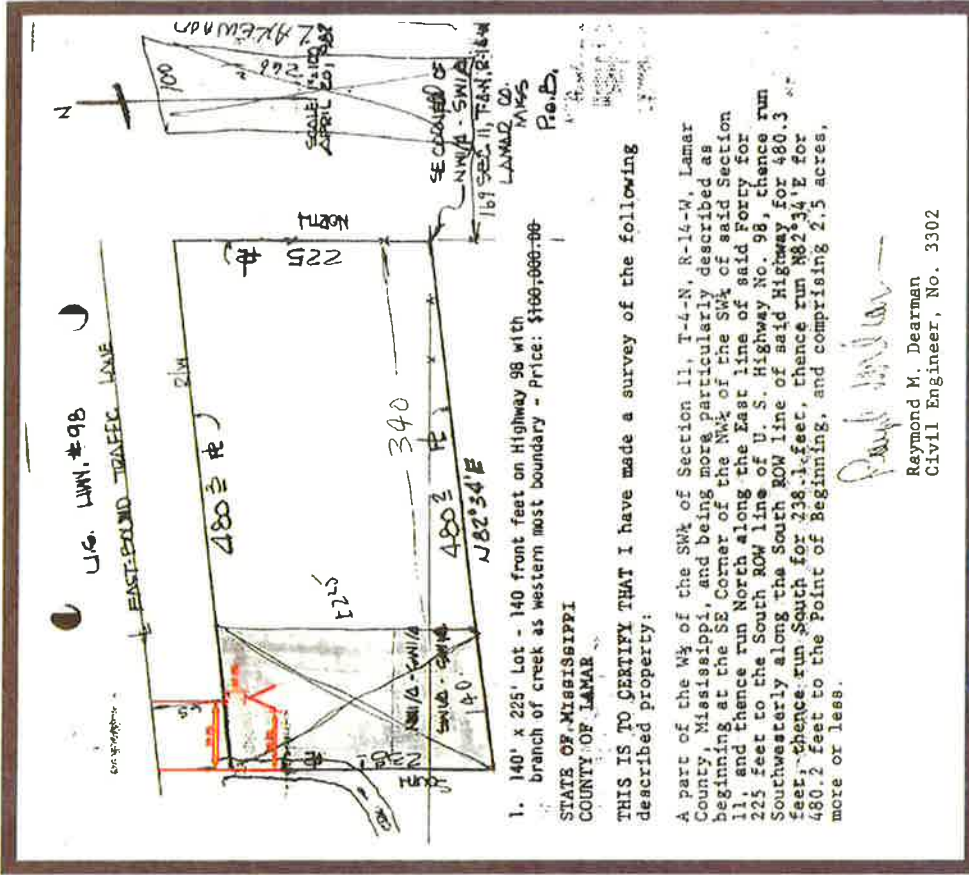
Our structure will preserve and encourage the stability of the
Hattiesburg business community through advertising. And will also, from time to
time be used to promote the community and public through the same channel

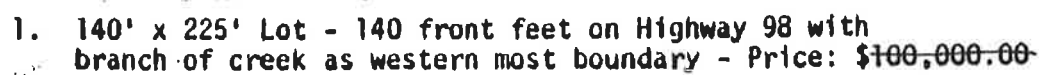
FINAL DESIGN



DESIGN

23478 Interstate 30
Bryant, AR. 72022
Office-501.847.1000

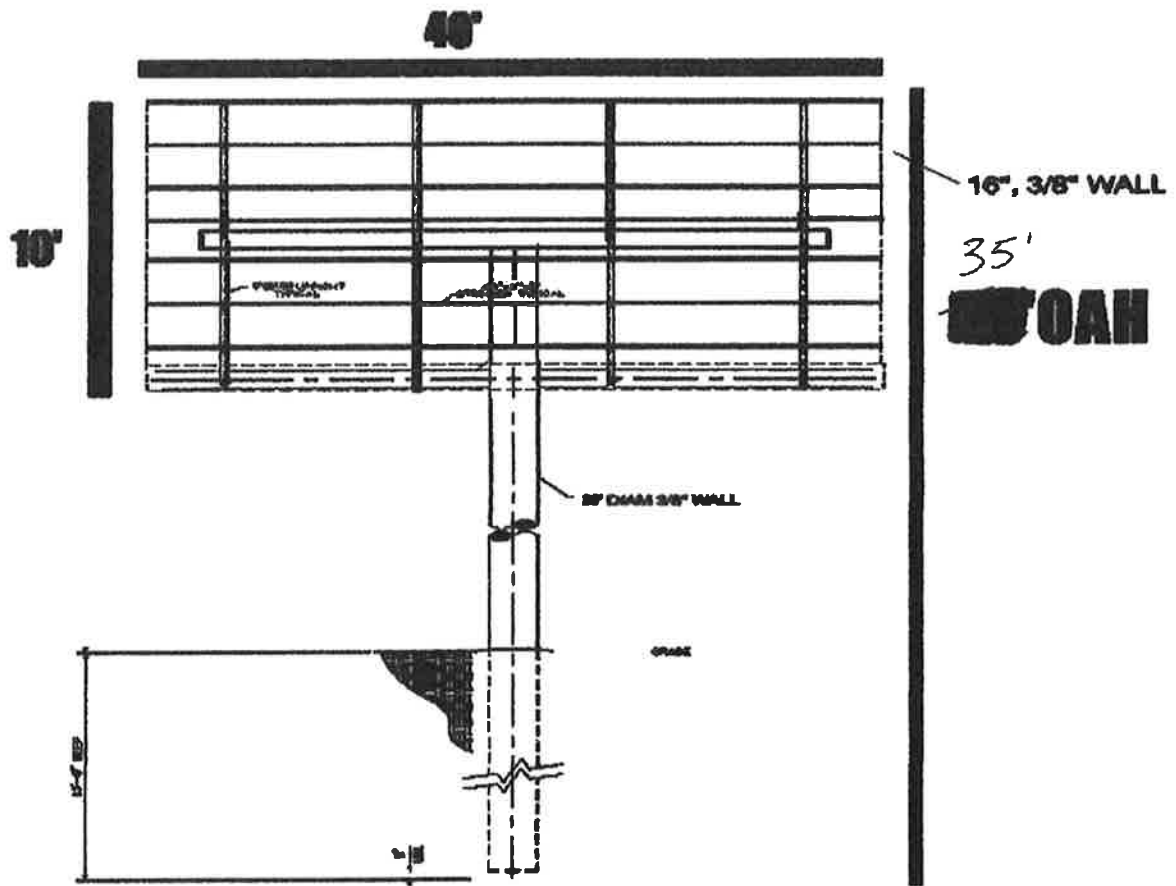




THIS IS TO CERTIFY THAT I have made a survey of the following described property:

Raymond M. L. —

Raymond M. Dearman
Civil Engineer, No. 3302





City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-924

File ID: 2017-924

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester: Andrew Ellard

File Created: 12/11/2017

Brief Title: Adopt Resolutions adjudicating and directing the placement of an assessment for cleanup costs, not to exceed the value of the property per State law, as per the attached list.

Final Action: 12/19/2017

Minute Book Number: MB2017-477

Title: Adopt Resolutions adjudicating and directing the placement of an assessment for cleanup costs, not to exceed the value of the property per State law, as per the attached list.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-4

Sponsors:

Enactment Date:

Attachments: Resolution memo to adjudicate, 12-19-17, 1. 504 Broad St, 2. 706 E 7th St, 3. 717 E 7th St, 4. 719 Webster, 5. 720 E 7th St, 6. 800 E. 7TH ST, 7. 1418 Kinnard St, 8. 2507 W 7th St, RES#2017-183, executed & recorded, 1. 504 Broad St, RES#2017-184, executed & recorded, 2. 706 E 7th St, RES#2017-185, executed & recorded, 3. 717 E 7th St, RES#2017-186, executed & recorded, 4. 719 Webster, RES#2017-187, executed & recorded, 5. 720 E 7th St, RES#2017-188, executed & recorded, 6. 800 E. 7TH ST, RES#2017-189, executed & recorded, 7. 1418 Kinnard St, RES#2017-190, executed & recorded, 8. 2507 W 7th St

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Ashley Fortenberry

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017	Adopt				Pass
	Action Text:	Adopt					

Yea: 5 Council Member George
Council Member Delgado
Council President Carroll
Council Vice President Dryden
Council Member Brown

Text of Legislative File 2017-924

Title

Adopt Resolutions adjudicating and directing the placement of an assessment for cleanup costs, not to exceed the value of the property per State law, as per the attached list.

Summary

Expenditure Type

[Enter Expenditure Type Here Without Parentheses. Example: Regular Budget Item, Grant, Lease Purchase, etc.]



MAYOR
Toby Barker

COUNCIL - WARD ONE

Jeffrey George

COUNCIL - WARD TWO

Deborah Denard Delgado

COUNCIL - WARD THREE

Carter Carroll

COUNCIL - WARD FOUR

Mary Dryden

COUNCIL - WARD FIVE

Nicholas Brown

TO: Mayor and City Council

FR: Andrew Ellard, Director Urban Development

Date December 19, 2017

RE: Resolution Adjudications

Adopt resolution adjudicating and directing the placement of an assessment for cleanup cost, not to exceed the value of the property per State law, against the following properties.

Owner:	Address:	Parcel:	Cost:
1. Odell Roy, Inc.	504 Broad Street	2-029K-09-172	\$2,100 \$250 (T.O.)
2. State of Mississippi - Wachovia Bank National Association - Queen B. Nelson	706 E. 7th Street	2-029H-03-150	\$2,964
3. Michael Smith - Peggy Bulter	717 E 7th Street	2-029H-03-267	\$2,516 \$250 (T.O.)
4. Mid Properties LLC - Douglas Winston - Arrington Darlene Holmes - Mack & Josephine Fairley	719 Webster Street	2-037D-14-088	\$3,118 \$250 (T.O.)
5. Thelma Anderson - Vesta Jordan, as custodian for Eric Nola Anderson	720 E. 7th Street	2-09H-03-160	\$1,956 \$250 (T.O.)

Owner:	Address:	Parcel:	Cost:
6. Barbara Sigworth - Cynthia O'Mar	800 E. 7th Street	2-029H-03-223	\$1,872 \$250 (T.O.)
7. Harrison Properties Enterpris. - Boaz Tax Sale Properties - State of Mississippi - Nikki Hiatt and Patsy Delvecchio	1418 Kinard St.	2-029C-04-025	\$3,090 \$250 (T.O.)
8. Bertie Braswell - Maxon LLC - TTLBL LLC	2507 W 7th St.	2-028G-05-051	\$1,214 \$250 (T.O.)

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 554-1027

Return to:
City of Hattiesburg
City Clerk’s Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4550

INDEXING INSTRUCTIONS: As part of (1) in Block Two (2) of the JOHN KAMPER SUBDIVISION of Block “D” and “E” of John Kamper First Survey and a part of Block “C” of John Kamper Survey, and a part of vacated alley lying between Lots One (1) and Two (2), in Block Two (2) of the John Kamper Subdivision of Blocks “D” and “E” of John Kamper First Survey of City of Hattiesburg, Forrest County, Mississippi, according to the official plats of said surveys on file in the office of the Chancery Clerk of Forrest County, Mississippi, more particularly described as follows, to-wit:

Commence at the Northeast corner of Lot One (1), Block Two (2) of the John Kamper Subdivision of Blocks “D” and “E” of John Kamper Survey and run thence South a distance of 120 feet to and for a point of beginning, thence run West for distance of 278.54 feet, thence run South for a distance of 58 feet, more or less, to the North line of vacated alley, thence run East a distance of 12.54 feet, thence run South for a distance of 20 feet to the South line of said vacated alley, thence run East along the South line of said vacated alley for a distance of 266 feet, more or less, to the West line of Broad Street for a distance of 85 feet, more or less, to the point of beginning; together with all improvements located on said property.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about January 20, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Odell Roy, INC	504 Broad St	2-029K-09-172	\$2.100
			\$250 (T.O)

As part of (1) in Block Two (2) of the JOHN KAMPER SUBDIVISION of Block “D” and “E” of John Kamper First Survey and a part of Block “C” of John Kamper Survey, and a part of vacated alley lying between Lots One (1) and Two (2), in Block Two (2) of the John Kamper Subdivision of Blocks “D” and “E” of John Kamper First Survey of City of Hattiesburg, Forrest County, Mississippi, according to the official plats of said surveys on file in the office of the Chancery Clerk of Forrest County, Mississippi, more particularly described as follows, to-wit:

Commence at the Northeast corner of Lot One (1), Block Two (2) of the John Kamper Subdivision of Blocks “D” and “E” of John Kamper Survey and run thence South a distance of 120 feet to and for a point of beginning, thence run West for distance of 278.54 feet, thence run South for a distance of 58 feet, more or less, to the North line of vacated alley, thence run East a distance of 12.54 feet, thence run South for a distance of 20 feet to the South line of said vacated alley, thence run East along the South line of said vacated alley for a distance of 266 feet, more or less, to the West line of Broad Street for a distance of 85 feet, more or less, to the point of beginning; together with all improvements located on said property.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk's Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member _____, seconded by Council member _____ and was adopted by the Following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

APPROVED

CITY CLERK

MAYOR

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 554-1027

Return to:
City of Hattiesburg
City Clerk’s Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4550

INDEXING INSTRUCTIONS: Lots 16 and 17 Block 37 of the HICKS SIBDIVISION OF THE HARDY AND SCOTT SURVEY, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about August 26, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-State of Mississippi	706 E 7 th St	2-029H-03-150	\$2,964
-Wachovia Bank National Association			\$250(T.O)
-Queen B. Nelson			

Lots 16 and 17 Block 37 of the HICKS SIBDIVISION OF THE HARDY AND SCOTT SURVEY, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk’s Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member _____, seconded by Council member _____ and was adopted by the
Following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

APPROVED

CITY CLERK

MAYOR

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 554-1027

Return to:
City of Hattiesburg
City Clerk’s Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4550

INDEXING INSTRUCTIONS: Lots 2 and the North half of a vacated alley on the South side, Block 35 if the HICKS SUBDIVISO OF THE HARDY AND SCOTT SURVEY, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about August 26, 2016to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-Michael Smith	717 E 7 th St	2-029HH-03-267	\$2,516
- Peggy Butler			\$250 (T.O)

Lots 2 and the North half of a vacated alley on the South side, Block 35 if the HICKS SUBDIVISO OF THE HARDY AND SCOTT SURVEY, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk’s Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member _____, seconded by Council member _____ and was adopted by the
Following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

APPROVED

CITY CLERK

MAYOR

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 554-1027

Return to:
City of Hattiesburg
City Clerk’s Office
P.O. Box 1898
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(601) 545-4550

INDEXING INSTRUCTIONS: Lot Eight (8), Block One (1) of the C.N. TOWNSEND SUBDIVISION, in the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, and the same being located in Section 16, Township 4 North, Range 13 West, in the County of Forrest, State of Mississippi, and the same being leasehold property for a period of ninety (99) years form July 7, 1950;

AND ALSO

Lot Four (4), Block Three (3) of MCINNIS, MITCHELL AND LOUNGRE SUBDIVISION, in the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about July 19, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-Mid Properties LLC	719 Webster	2-037D-14-088	\$3,118
-Douglas Winston			\$250
-Arrington Darlene Holmes			
-Mack & Josephine Fairley			

Lot Eight (8), Block One (1) of the C.N. TOWNSEND SUBDIVISION, in the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, and the same being located in Section 16, Township 4 North, Range 13 West, in the County of Forrest, State of Mississippi, and the same being leasehold property for a period of ninety (99) years form July 7, 1950;

AND ALSO

Lot Four (4), Block Three (3) of MCINNIS, MITCHELL AND LOUNGRE SUBDIVISION, in the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk’s Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member _____, seconded by Council member _____ and was adopted by the Following vote, to-wit:
YEAS: NAYS:

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:	ADOPTED:
 _____	 _____
CLERK OF COUNCIL	PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:	APPROVED
 _____	 _____
CITY CLERK	MAYOR

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 554-1027

Return to:
City of Hattiesburg
City Clerk’s Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4550

INDEXING INSTRUCTIONS: Index under Lot 17, Block 36, Hicks Subdivision of the Hardy and Scott Survey, City of Hattiesburg, Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanliness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about November 22, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Thelma Anderson	720 E 7 th St	2-09H-03-160.00	\$1,956
Vesta Jordan, as custodian for Eric Nolan Anderson			\$250 (T.O)

Lot Seventeen (17) in Block Thirty-six (36) of the Hicks Subdivision of the Hardy and Scott of Survey of the City of Hattiesburg, Forrest County, Mississippi, as per the official map or plat thereof on file in the office of the Chancery Clerk of said county and state: and being the same property as that assessed on the 2008 Land Roll as Parcel No. 2-09H-03-160.00/PPIN 17482 (2008 Receipt No. 15536).

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk’s Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member _____, seconded by Council member _____ and was adopted by the
Following vote, to-wit:
YEAS: NAYS:

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST: ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

APPROVED

CITY CLERK

MAYOR

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 554-1027

Return to:
City of Hattiesburg
City Clerk’s Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4550

INDEXING INSTRUCTIONS: PT E ½ SE ¼ BEG SW COR NE ¼ N 122 FT E 40FT S 162 FT W 40 FT N 40 FT TO BEG 3-4N-13 W of Section 03, Township 04n, Range 13W, PREV, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about March 10, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-Barbara Sigworth	800 E 7 th St	2-029H-03-223	\$1,872
-Cynthia O’Mar			\$250 (T.O)

PT E ½ SE ¼ BEG SW COR NE ¼ N 122 FT E 40FT S 162 FT W 40 FT N 40 FT TO BEG 3-4N-13 W of Section 03, Township 04n, Range 13W, PREV, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk’s Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member _____, seconded by Council member _____ and was adopted by the Following vote, to-wit:
YEAS: NAYS:

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST: ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

APPROVED

CITY CLERK

MAYOR

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 554-1027

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City of Hattiesburg
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P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4550

INDEXING INSTRUCTIONS: BG 75FT N SE CR LT 2 N 75FT W, 100FT E 100FT TO BG BLK, 1 R M MIXON ADD, Block 001 Section 04 Township 04N Range 13W, of the City of Hattiesburg, County of Forrest, State of Mississippi, asper the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about March 28, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-Harrison Properties Enterprises	1418 Kinnard St	2-029C-04-025	\$3,090
-Boaz Tax Sale Properties			\$250 (T.O)
-State of Mississippi			
-Patsy Delvecchio and Nikki Hiatt			
- ACC Tax Sale Properties			

BG 75FT N SE CR LT 2 N 75FT W, 100FT E 100FT TO BG BLK, 1 R M MIXON ADD, Block 001 Section 04 Township 04N Range 13W, of the City of Hattiesburg, County of Forrest, State of Mississippi, asper the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk’s Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member _____, seconded by Council member _____ and was adopted by the

Following vote, to-wit:

YEAS: NAYS:

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

APPROVED

_ CITY CLERK

MAYOR

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 554-1027

Return to:
City of Hattiesburg
City Clerk’s Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4550

INDEXING INSTRUCTIONS: BG 105 W SE CR LT 10 N 210 W 60 FT S 210 FT E60 TO BG BLK 10 PREV#: H0176-01-014 BERTIE BRASWELL ODOM-ESTATE of the DUNN M. SUBDIVISION, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about March 28, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-TTLBL LLC	2507 W 7 th St.	2-0288G-05-051.00	\$1,214
-MAXON LLC			\$250 (T.O)
-Bertie Braswell Odom			

BG 105 W SE CR LT 10 N 210 W 60 FT S 210 FT E60 TO BG BLK 10 PREV#: H0176-01-014 BERTIE BRASWELL ODOM-ESTATE of the DUNN M. SUBDIVISION, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk’s Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member _____, seconded by Council member _____ and was adopted by the Following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

APPROVED

CITY CLERK

MAYOR



DEED

Bk:1270 Page:166-167

RCD: 01/22/2018 @ 2:47:52PM

FORREST COUNTY, MS

JIMMY C. HAVARD CHANCERY CLERK

Prepared by:

City of Hattiesburg

Code Enforcement

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 554-1027

Return to:

City of Hattiesburg

City Clerk's Office

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 545-4550

INDEXING INSTRUCTIONS: As part of (1) in Block Two (2) of the JOHN KAMPER SUBDIVISION of Block "D" and "E" of John Kamper First Survey and a part of Block "C" of John Kamper Survey, and a part of vacated alley lying between Lots One (1) and Two (2), in Block Two (2) of the John Kamper Subdivision of Blocks "D" and "E" of John Kamper First Survey of City of Hattiesburg, Forrest County, Mississippi, according to the official plats of said surveys on file in the office of the Chancery Clerk of Forrest County, Mississippi, more particularly described as follows, to-wit:

Commence at the Northeast corner of Lot One (1), Block Two (2) of the John Kamper Subdivision of Blocks "D" and "E" of John Kamper Survey and run thence South a distance of 120 feet to and for a point of beginning, thence run West for distance of 278.54 feet, thence run South for a distance of 58 feet, more or less, to the North line of vacated alley, thence run East a distance of 12.54 feet, thence run South for a distance of 20 feet to the South line of said vacated alley, thence run East along the South line of said vacated alley for a distance of 266 feet, more or less, to the West line of Broad Street for a distance of 85 feet, more or less, to the point of beginning; together with all improvements located on said property.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about January 20, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Odell Roy, INC	504 Broad St	2-029K-09-172	\$2.100
			\$250 (T.O)

As part of (1) in Block Two (2) of the JOHN KAMPER SUBDIVISION of Block "D" and "E" of John Kamper First Survey and a part of Block "C" of John Kamper Survey, and a part of vacated alley lying between Lots One (1) and Two (2), in Block Two (2) of the John Kamper Subdivision of Blocks "D" and "E" of John Kamper First Survey of City of Hattiesburg, Forrest County, Mississippi, according to the official plats of said surveys on file in the office of the Chancery Clerk of Forrest County, Mississippi, more particularly described as follows, to-wit:

Commence at the Northeast corner of Lot One (1), Block Two (2) of the John Kamper Subdivision of Blocks "D" and "E" of John Kamper Survey and run thence South a distance of 120 feet to and for a point of beginning, thence run West for distance of 278.54 feet, thence run South for a distance of 58 feet, more or less, to the North line of vacated alley, thence run East a distance of 12.54 feet, thence run South for a distance of 20 feet to the South line of said vacated alley, thence run East along the South line of said vacated alley for a distance of 266 feet, more or less, to the West line of Broad Street for a distance of 85 feet, more or less, to the point of beginning; together with all improvements located on said property.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk's Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member Delgado seconded by Council member Dryden and was adopted by the Following vote, to-wit:

YEAS:	George Delgado Carroll Dryden Brown	NAYS:	None
-------	---	-------	------

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:

CLERK OF COUNCIL

ADOPTED:

PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

CITY CLERK

APPROVED

MAYOR



DEED

Bk:1270 Page:168-169

RCD: 01/22/2018 @ 2:48:42PM

FORREST COUNTY, MS

JIMMY C. HAVARD CHANCERY CLERK

Prepared by:

City of Hattiesburg

Code Enforcement

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 554-1027

Return to:

City of Hattiesburg

City Clerk's Office

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 545-4550

INDEXING INSTRUCTIONS: Lots 16 and 17 Block 37 of the HICKS SIBDIVISION OF THE HARDY AND SCOTT SURVEY, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about August 26, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-State of Mississippi	706 E 7 th St	2-029H-03-150	\$2,964
-Wachovia Bank National Association			\$250(T.O)
-Queen B. Nelson			

Lots 16 and 17 Block 37 of the HICKS SIBDIVISION OF THE HARDY AND SCOTT SURVEY, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk's Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member Delgado, seconded by Council member Dryden and was adopted by the Following vote, to-wit:

YEAS:

George
Delgado
Carroll
Dryden
Brown

NAYS:

None

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:


CLERK OF COUNCIL

ADOPTED:


PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:


CITY CLERK

APPROVED


MAYOR



DEED

Bk:1270 Page:170-171

RCD: 01/22/2018 @ 2:49:16:PM

FORREST COUNTY, MS

JIMMY C. HAVARD CHANCERY CLERK

Prepared by:

City of Hattiesburg

Code Enforcement

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 554-1027

Return to:

City of Hattiesburg

City Clerk's Office

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 545-4550

INDEXING INSTRUCTIONS: Lots 2 and the North half of a vacated alley on the South side, Block 35 if the HICKS SUBDIVISO OF THE HARDY AND SCOTT SURVEY, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about August 26, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-Michael Smith	717 E 7 th St	2-029HH-03-267	\$2,516
-Peggy Butler			\$250 (T.O)

Lots 2 and the North half of a vacated alley on the South side, Block 35 if the HICKS SUBDIVISO OF THE HARDY AND SCOTT SURVEY, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk's Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member Delgado, seconded by Council member Dryden and was adopted by the

Following vote, to-wit:

YEAS: George
Delgado
Carroll
Dryden
Brown

NAYS: None

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:


CLERK OF COUNCIL

ADOPTED:


PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:


CITY CLERK

APPROVED


MAYOR



DEED

Bk:1270 Page:172-173

RCD: 01/22/2018 @ 2:49:58:PM

FORREST COUNTY, MS

JIMMY C. HAVARD CHANCERY CLERK

Prepared by
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 554-1027

Return to:
City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4550

INDEXING INSTRUCTIONS: Lot Eight (8), Block One (1) of the C.N. TOWNSEND SUBDIVISION, in the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, and the same being located in Section 16, Township 4 North, Range 13 West, in the County of Forrest, State of Mississippi, and the same being leasehold property for a period of ninety (99) years form July 7, 1950;

AND ALSO

Lot Four (4), Block Three (3) of MCINNIS, MITCHELL AND LOUNGRE SUBDIVISION, in the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about July 19, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-Mid Properties LLC	719 Webster	2-037D-14-088	\$3,118
-Douglas Winston			\$250
-Arrington Darlene Holmes			
-Mack & Josephine Fairley			

Lot Eight (8), Block One (1) of the C.N. TOWNSEND SUBDIVISION, in the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, and the same being located in Section 16, Township 4 North, Range 13 West, in the County of Forrest, State of Mississippi, and the same being leasehold property for a period of ninety (99) years form July 7, 1950;

AND ALSO

Lot Four (4), Block Three (3) of MCINNIS, MITCHELL AND LOUNGRE SUBDIVISION, in the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk's Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member Delgado, seconded by Council member Dryden and was adopted by the Following vote, to-wit:

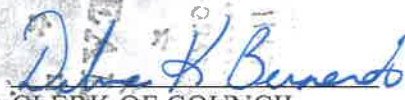
YEAS: George
Delgado
Carroll
Dryden
Brown

NAYS: None

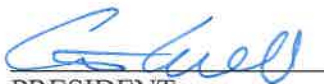
The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:


CLERK OF COUNCIL

ADOPTED:


PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:


CITY CLERK

APPROVED


MAYOR



DEED

Bk:1270 Page:174-175

RCD: 01/22/2018 @ 2:50:43 PM

FORREST COUNTY, MS

JIMMY C. HAVARD CHANCERY CLERK

Prepared by:

City of Hattiesburg

Code Enforcement

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 554-1027

Return to:

City of Hattiesburg

City Clerk's Office

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 545-4550

INDEXING INSTRUCTIONS: Index under Lot 17, Block 36, Hicks Subdivision of the Hardy and Scott Survey, City of Hattiesburg, Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about November 22, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Thelma Anderson	720 E 7 th St	2-09H-03-160.00	\$1,956
Vesta Jordan, as custodian for Eric Nolan Anderson			\$250 (T.O)

Lot Seventeen (17) in Block Thirty-six (36) of the Hicks Subdivision of the Hardy and Scott of Survey of the City of Hattiesburg, Forrest County, Mississippi, as per the official map or plat thereof on file in the office of the Chancery Clerk of said county and state: and being the same property as that assessed on the 2008 Land Roll as Parcel No. 2-09H-03-160.00/PPIN 17482 (2008 Receipt No. 15536).

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk's Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member Delgado, seconded by Council member Dryden and was adopted by the Following vote, to-wit:

YEAS:

George
Delgado
Carroll
Dryden
Brown

NAYS: None

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:

ADOPTED:



Debra H. Bernard
CLERK OF COUNCIL

G. Paul
PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

K. S. B.
CITY CLERK

APPROVED

Tony B.
MAYOR



DEED
Bk:1270 Page:176-177
RCD: 01/22/2018 @ 2:51:28 PM
FORREST COUNTY, MS
JIMMY C. HAVARD CHANCERY CLERK

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 554-1027

Return to:
City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4550

INDEXING INSTRUCTIONS: PT E ½ SE ¼ BEG SW COR NE ¼ N 122 FT E 40FT S 162 FT W 40 FT N 40 FT TO BEG 3-4N-13 W of Section 03, Township 04n, Range 13W, PREV, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about March 10, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-Barbara Sigworth	800 E 7 th St	2-029H-03-223	\$1,872
-Cynthia O'Mar			\$250 (T.O)

PT E ½ SE ¼ BEG SW COR NE ¼ N 122 FT E 40FT S 162 FT W 40 FT N 40 FT TO BEG 3-4N-13 W of Section 03, Township 04n, Range 13W, PREV, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk's Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member Delgado, seconded by Council member Dryden and was adopted by the Following vote, to-wit:

YEAS:

George
Delgado
Carroll
Dryden
Brown

NAYS:

None

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:

ADOPTED:



Diana K. Bernardo
CLERK OF COUNCIL

[Signature]
PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

[Signature]
CITY CLERK

APPROVED

[Signature]
MAYOR



DEED

Bk:1270 Page:178-179

RCD: 01/22/2018 @ 2:52:06:PM

FORREST COUNTY, MS

JIMMY C. HAVARD CHANCERY CLERK

Prepared by:

City of Hattiesburg

Code Enforcement

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 554-1027

Return to:

City of Hattiesburg

City Clerk's Office

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 545-4550

INDEXING INSTRUCTIONS: BG 75FT N SE CR LT 2 N 75FT W, 100FT E 100FT TO BG BLK, 1 R M MIXON ADD, Block 001 Section 04 Township 04N Range 13W, of the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about March 28, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-Harrison Properties Enterprises	1418 Kinnard St	2-029C-04-025	\$3,090
-Boaz Tax Sale Properties			\$250 (T.O)
-State of Mississippi			
-Patsy Delvecchio and Nikki Hiatt			
- ACC Tax Sale Properties			

BG 75FT N SE CR LT 2 N 75FT W, 100FT E 100FT TO BG BLK, 1 R M MIXON ADD, Block 001 Section 04 Township 04N Range 13W, of the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk's Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member Delgado, seconded by Council member Dryden and was adopted by the

Following vote, to-wit:

YEAS:

George
Delgado
Carroll
Dryden
Brown

NAYS:

None

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:

ADOPTED:



CLERK OF COUNCIL



PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

APPROVED



CITY CLERK



MAYOR



DEED

Bk:1270 Page:180-181

RCD: 01/22/2018 @ 2:52:47:PM

FORREST COUNTY, MS

JIMMY C. HAVARD CHANCERY CLERK

Prepared by:

City of Hattiesburg

Code Enforcement

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 554-1027

Return to:

City of Hattiesburg

City Clerk's Office

P.O. Box 1898

Hattiesburg, MS 39403-1898

(601) 545-4550

INDEXING INSTRUCTIONS: BG 105 W SE CR LT 10 N 210 W 60 FT S 210 FT E60 TO BG BLK 10 PREV#: H0176-01-014 BERTIE BRASWELL ODOM-ESTATE of the DUNN M. SUBDIVISION, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

WHEREAS, Section 21-19-11 of Mississippi Code of 1972, Annotated, authorizes the governing authorities of municipalities to adjudicate the actual cost to the City of Hattiesburg for cleaning properties that have been determined to be in such a state of uncleanness as to be a menace to the public health and safety of the community, and the owner has failed, after appropriate notice, to clean said property; and

Accordingly the City of Hattiesburg took action on or about March 28, 2016 to order a Title Opinion from an attorney to identify proper owners of the property.

NOW, THEREFORE, BE IT RESOLVED BY THE Mayor and Council of the City of Hattiesburg, Mississippi:

Section 1. That the city council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the Title Opinion cost, not to exceed the value of the property per state law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
-TTLBL LLC	2507 W 7 th St.	2-0288G-05-051.00	\$1,214
-MAXON LLC			\$250 (T.O)
-Bertie Braswell Odom			

BG 105 W SE CR LT 10 N 210 W 60 FT S 210 FT E60 TO BG BLK 10 PREV#: H0176-01-014 BERTIE BRASWELL ODOM-ESTATE of the DUNN M. SUBDIVISION, in the City of Hattiesburg, as per map or plat on file in the office of the Chancery Clerk of Forrest County, Mississippi

Section 2. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage.

Section 3. A copy of this Resolution will be certified and recorded in the Chancery Clerk's Office of Forrest County, Mississippi.

There foregoing Resolution having been reduced to writing, the same was introduced by Council member Delgado, seconded by Council member Dryden and was adopted by the Following vote, to-wit:

YEAS:

George
Delgado
Carroll
Dryden
Brown

NAYS:

None

The President thereby declared the motion carried and the Resolution adopted this the 19th day of December A.D., 2017.

(SEAL)

ATTEST:


Diana K. Berendo
CLERK OF COUNCIL

ADOPTED:

Greg Guill
PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this 19th day of December, A.D., 2017.

ATTEST:

R. E. [Signature]
CITY CLERK

APPROVED

Tommy [Signature]
MAYOR



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-920

File ID: 2017-920

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 12/11/2017

Brief Title: Adopt Resolution authorizing application for MDOT grant for Hardy & Green Roundabout Project.

Final Action: 12/19/2017

Minute Book Number: MB2017-477

Title:

Adopt Resolution authorizing Application to the Transportation Alternatives Program (TAP) administered by MDOT for a grant to be used for the Green Street / Hardy Street Roundabout Project; Authorize Mayor to execute certification document and other documents required for said application.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-5

Sponsors:

Enactment Date:

Attachments: TAP Project Application, Certification Letter, Resolution (Roundabout), RES#2017-191, executed Resolution (Roundabout)

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Sharon Waits

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017	Adopt				Pass
	Action Text: Adopt						
		Yea: 5		Council Member George Council Member Delgado Council President Carroll Council Vice President Dryden Council Member Brown			

Text of Legislative File 2017-920

Title

Adopt Resolution authorizing Application to the Transportation Alternatives Program (TAP) administered by MDOT for a grant to be used for the Green Street / Hardy Street Roundabout Project; Authorize Mayor to execute certification document and other documents required for said application.

Summary

Authorize Application to the Transportation Alternatives Program (TAP) - Hardy & Green

Budget Information

Expenditure Type

Purchasing Item

Publication Information

COVER



GREEN STREET / HARDY STREET - ROUNDABOUT

FOR THE CITY OF HATTIESBURG
HATTIESBURG, MS

TRANSPORTATION FAST ACT ALTERNATIVES (TA)
SURFACE TRANSPORTATION BLOCK GRANT PROGRAM (STBG)
SUBMITTED JANUARY, 2018



TABLE OF CONTENTS

TRANSPORTATION ALTERNATIVES PROJECT APPLICATION

PROGRAM APPLICATION FORM

ATTACHMENT A :	DESCRIPTION OF PROJECT
ATTACHMENT B :	CONCEPT PLAN & EXISTING PHOTOS
ATTACHMENT C :	EVIDENCE OF ELIGIBILITY BENEFITS OF PROJECT MAINTENANCE PLAN
ATTACHMENT D :	ENVIRONMENTAL REVIEW
ATTACHMENT E :	PRELIMINARY BUDGET
ATTACHMENT F :	IMPLEMENTATION SCHEDULE
ATTACHMENT G :	LEGAL & COMPLIANCE CERTIFICATION - RESOLUTION
ATTACHMENT H :	LETTERS OF SUPPORT
ATTACHMENT I :	LPA PDM CERTIFICATION
ATTACHMENT J :	PROOF OF ESTABLISHED ACCOUNTING CONTROLS

TRANSPORTATION ALTERNATIVES PROJECT APPLICATION

DATE:

January 31, 2018

APPLICANT/LPA: (City, Town, College, etc.)

City of Hattiesburg

CONTACT PERSON: (LPA Official, City Engineer, Public Works Director, etc.)

Name: Lamar Rutland

Title: Engineering Director

ADDRESS:

212 West Front Street

City: Hattiesburg

State: MS

Zip: 39401

TELEPHONE NUMBER:

(601) 545-4640

EMAIL ADDRESS

lrutland@hattiesburgms.com

PROJECT DESCRIPTION:

This project consists of constructing a roundabout on Hardy Street at the intersection of Hardy Street with Adeline St, 2nd Avenue, and Green Street. Other improvements include concrete curb & gutter, brick pavers, colored and scored concrete, landscaping, drainage improvements, striping, signage and landscaping.

Projected Project Costs	FEDERAL SHARE* 80% of Total Project Cost	LPA SHARE 20% Local Fund Match	TOTAL
	\$ 840,504.96	\$ 210,126.24	\$ 1,050,631.20
*Maximum Federal Share = 80% of Total Cost			

LPA Official Signature: _____

Title: _____

Transportation Alternative (TA) Project Application Budget Form

1. Date: January 31, 2018 2. County: Forrest
3. Applicant: City of Hattiesburg 4. DUNS #: 079448130
(Local Public Agency)
5. Address: 200 West Front Street 6. Phone: (601) 545-4640
7. Project Type: ☒ TA ☐ SRTS
8. Project Location Zip+4 Digit Extension 39401-7776
9. Rails Crossing in Project: ☐ Yes ☒ No
10. ROW Required: ☐ Yes ☒ No Estimated Parcels: _____
11. Utilities in Conflict: ☐ Yes ☒ No List all known: None at this Time
12. Special Match Credit will not be allowed for this round of applications

13. Estimated Project Cost and Project Funding:

ESTIMATED PROJECT COST		TOTAL	
PE and Design Costs		\$ 78,712.27	
Right-of-Way (ROW) Costs		\$ 0.00	
Other Costs		\$ 0.00	
Sub-total PE & ROW		\$ 78,712.27	
Construction Costs		\$ 840,505.00	
Construction Engineering (15% Const.Cost)		\$ 126,075.75	
Testing (5% Const. Cost)		\$ 42,025.25	
Contingency (5% Const Cost)		\$ 42,025.25	
Sub-total Construction Cost		\$ 1,050,631.20	
TOTAL PROJECT COST		\$ 1,129,343.40	

CONSTRUCTION PHASE FUNDING		
Requested LPA Federal Aid Funds		
Federal Share	\$ 840,504.96	
Local Share	\$ 210,126.24	
Total	\$ 1,050,631.20	
Federal Share should be 80% of sub-total construction unless seeking Special Match and then Federal Share should be 80% of total project cost. <u>The final amount of Federal money awarded may or may not be the amount requested.</u>		

This form shall be included in all applications and will be used in the ultimate determination of Federal funds awarded.

14. SUBMITTED BY:

Applicant: _____
(Signature)

Title: Engineering Director
(Mayor, Pres. Board Supervisors, Agency Head)



DESCRIPTION OF PROPOSED PROJECT

HISTORY & BACKGROUND

The City of Hattiesburg was incorporated in 1884 with a population of approximately 400. Transportation has always played a key role in the growth and character of Hattiesburg. The City is known as the "Hub City" because it is located at the intersections of Interstate 59 and U.S. Highways 49, 98 and 11. Also in 1884, the railroad, known as the Southern Railway System, was built from Meridian through Hattiesburg to New Orleans. In 1897, the completion of the Gulf and Ship Island Railroad from Gulfport to Jackson, now part of the Illinois Central System, ran through Hattiesburg and ushered in the lumber boom. The City has seen consistent growth to present day and was designated a Metropolitan Statistical Area in 1994 with a combined metropolitan population of more than 100,000 residents.

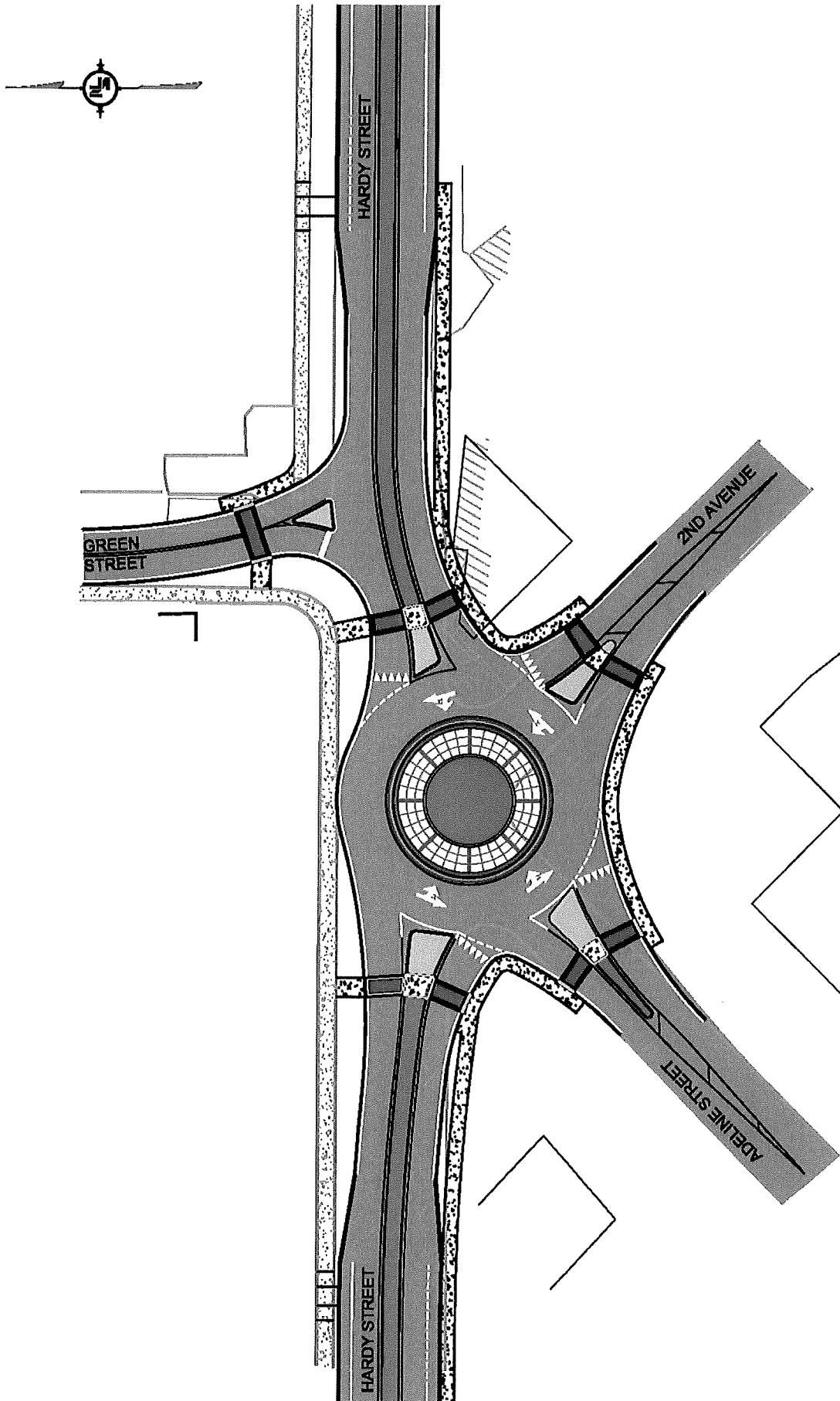
Hattiesburg has seen a resurgence of within the last few years do to successful revitalization projects within the downtown area and continued interest and expansion of the Longleaf Trace. William Carey University has offered higher education in Hattiesburg since 1906. Hattiesburg also boasts wonderful retail and recreation areas.

PROJECT SUMMARY

The overall goal of this project is to create a safe, attractive and functional entrance into Downtown Hattiesburg from the west. The roundabout will be constructed on Hardy Street at the Intersection with Green Street, Adeline Street and Green Street. As shown on the conceptual plan the roundabout consists of landscaped islands, brick pavers, new asphalt pavement, colored and scored concrete, curb and gutter, striping and new sidewalks. Proposed improvements also consist of five new pedestrian crosswalks. This roundabout will serve both as a "traffic calming" device for safe vehicular travel down Hardy Street, and an aesthetically pleasing entrance into Downtown Hattiesburg.

CONCEPT PLAN

GREEN / HARDY STREET ROUNDABOUT





EXISTING VIEW – ADELINE STREET
View looking Northeast towards Hardy Street



EXISTING VIEW – Hardy Street
View looking East towards proposed roundabout



EXISTING VIEW – GREEN STREET
View looking North towards Hardy Street



EVIDENCE OF ELIGIBILITY

The Green / Hardy Street - Roundabout Project is eligible under the following categories identified by the grant:

- a. Construction, planning, and design of on-road and off-road trail facilities for pedestrians, bicyclists, and other non-motorized forms of transportation, including sidewalks, bicycle infrastructure, pedestrian and bicycle signals, traffic calming techniques, lighting and other safety-related infrastructure, and transportation projects to achieve compliance with the Americans with Disabilities Act of 1990.
- b. Construction, planning, and design of infrastructure-related projects and systems that will provide safe routes for non-drivers, including children, older adults, and individuals with disabilities to access daily needs.

The end result will be a project that accommodates variety and inclusion in the City's transportation network and improves the aesthetics of the surrounding area.

BENEFITS OF PROJECT

The benefits offered by the Green – Hardy Street – Roundabout Project are numerous and desired by City of Hattiesburg residents. The completed project will provide a safe and attractive entrance for pedestrians and vehicles to Downtown Hattiesburg. It will also serve as an aesthetically pleasing traffic calming device for Hardy Street's approach to Downtown Hattiesburg.

MAINTENANCE PLAN

The maintenance for all improvements within the project area will be handled by the Grounds and Maintenance Department of the City of Hattiesburg. The estimated annual cost of maintenance to include sweeping, debris removal, mowing, mulching and occasional watering will be approximately \$5,000.00. This maintenance cost will be absorbed in the Grounds and Maintenance budget.



ENVIRONMENTAL REVIEW

The Green Street / Hardy Street - Roundabout Project is situated in various public property right-of-ways in central Hattiesburg, MS.

An environmental assessment was completed as follows:

Historic Properties – No impact anticipated

Floodplain Management – Zone X

Coastal Areas Protection Management – See Forrest County Environmental Sensitivity Map (Not applicable)

Water Quality – Not in Sole Source Aquifer Region

Endangered Species – No impact anticipated

Wild and Scenic Rivers – Not applicable

Air Quality – No impact

Farmlands Protection – No prime or unique farmlands will be converted by the project

Noise – Some noise during construction

Runway Clear Zones – Not applicable

Thermal and Explosive Hazards – Not applicable

Solid Waste Disposal – Illegally dumped waste, if found, will be disposed of in accordance with State & Federal Regulations

Fish and Wildlife – No impacted anticipated

Environmental Justice – Environmental Justice Statement of Compliance will be adopted



PRELIMINARY BUDGET

STREET	ESTIMATED COST
Construction Items Total	\$840,505.00.
1	CONSTRUCTION COST = \$840,505.00
2	CONSTRUCTION ENGINEERING (15%) = \$126,075.75
3	TESTING (5%) = \$42,025.25
4	CONTINGENCY (5%) = \$42,025.25
5	TOTAL CONSTRUCTION COST = \$1,050,631.20
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7	TOTAL PROJECT COST = \$1,129,343.40

FEDERAL SHARE OF CONSTRUCTION COSTS (80% OF LINE 5) = \$840,504.96

CITY SHARE OF CONSTRUCTION COSTS (20% OF LINE 5) = \$210,126.24

PE AND DESIGN COSTS TO BE PAID BY CITY (LINE 6) = \$78,712.27

TOTAL PARTICIPATION BY CITY = \$288,838.51



IMPLEMENTATION SCHEDULE

PROPOSED SCHEDULE

<u>ACTIVITY</u>	<u>TENTATIVE SCHEDULE DATE</u>
ANNOUNCEMENT OF FUNDED PROJECT BY MDOT (EST.)	MARCH 2018
SUBMIT PLANS, SPECIFICATIONS & COST ESTIMATE TO MDOT	DECEMBER 2018
MDOT AUTHORIZATION TO PROCEED WITH PROJECT	JANUARY 2019
ADVERTISEMENT OF PROJECT	FEBRUARY 2019
RECEIVE BIDS FOR CONSTRUCTION	MARCH 2019
BEGIN CONSTRUCTION	JULY 2019
COMPLETE CONSTRUCTION	DECEMBER 2019
PROJECT CLOSE-OUT	JANUARY 2020

LEGAL & COMPLIANCE CERTIFICATION - RESOLUTION





Toby Barker
Mayor

Council-Ward 1
Jeffrey George

Council-Ward 2
Deborah Denard Delgado

Council-Ward 3
Carter Carroll

Council-Ward 4
Mary Dryden

Council-Ward 5
Nicholas Brown

January 31, 2018

LPA Division, Room 4014
MDOT Administration Building
Attn: Jeff Altman, P.E., State Engineer for Local Public Agencies
401 North West Street
Jackson, MS 39215-1850

REFERENCE: TRANSPORTATION ALTERNATIVES FAST ACT PROJECT APPLICATION
GREEN STREET / HARDY STREET - ROUNDABOUT

Dear Mr. Altman:

This is to certify that there are no known foreseeable legal impediments that would prohibit completion of this project, contemplated by the referenced application, and that the project complies with all applicable codes and/or regulations required for its completion.

Attached is a copy of the City's resolution authorizing the project. If you need additional information, please contact me at 601-545-4501. Thank you for your time and consideration of this application.

Sincerely,

CITY OF HATTIESBURG

Toby Barker
Mayor

Enclosures

RESOLUTION

WHEREAS, The City of Hattiesburg has been invited to apply for funding approval of a Transportation Alternatives Fast Act (TA) project through the Mississippi Transportation Commission; and

WHEREAS, the City of Hattiesburg proposes to construct Green Street / Hardy Street – Roundabout Project for the City of Hattiesburg; as well as, utility relocation and drainage improvements where needed at an estimated total project cost of \$1,129,343.40; and

WHEREAS, this project is eligible for 80% funding under the Transportation Alternatives Fast Act Program (TA); and

WHEREAS, there are no known foreseeable legal impediments that exist that would prohibit the completion of the project; and;

NOW, THEREFORE, BE IT RESOLVED by the City of Hattiesburg, Mississippi:

1. Mayor Toby Barker be authorized to apply for funding approval of a Transportation Alternatives Fast Act (TA) for Green Street / Hardy Street - Roundabout Project.
2. Mayor Toby Barker be authorized to execute a certification document that no known foreseeable legal impediment exists that would prohibit completion of the project.

SO ORDERED, this ____ day of _____, 20__.

(SEAL)

ATTEST:

Mayor Toby Barker

LETTERS OF SUPPORT



LPA PDM CERTIFICATION



THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION

hereby recognizes

Sharon Waits

City of Hattiesburg

for completing 7 Professional Development Hours during

*The Local Public Agency Process
Training & Certification.*

OCTOBER 18, 2017

DATE CERTIFICATE VALID
FOR TWO YEARS FROM DATE
OF ISSUE



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
LOCAL TECHNICAL ASSISTANCE PROGRAM

Shirley Johnson

SHIRLEY JOHNSON
MS LTAP DIRECTOR

PROOF OF ESTABLISHED ACCOUNTING CONTROLS





Toby Barker
Mayor

Council-Ward 1
Jeffrey George

Council-Ward 2
Deborah Denard Delgado

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January 31, 2018

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REFERENCE: TRANSPORTATION ALTERNATIVES FAST ACT PROJECT APPLICATION
GREEN STREET / HARDY STREET - ROUNDABOUT

Dear Mr. Altman:

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Attached is a copy of the City's resolution authorizing the project. If you need additional information, please contact me at 601-545-4501. Thank you for your time and consideration of this application.

Sincerely,

CITY OF HATTIESBURG

Toby Barker
Mayor

Enclosures

RESOLUTION

WHEREAS, The City of Hattiesburg has been invited to apply for funding approval of a Transportation Alternatives Fast Act (TA) project through the Mississippi Transportation Commission; and

WHEREAS, the City of Hattiesburg proposes to construct Green Street / Hardy Street – Roundabout Project for the City of Hattiesburg; as well as, utility relocation and drainage improvements where needed at an estimated total project cost of \$1,129,343.40; and

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WHEREAS, there are no known foreseeable legal impediments that exist that would prohibit the completion of the project; and;

NOW, THEREFORE, BE IT RESOLVED by the City of Hattiesburg, Mississippi:

1. Mayor Toby Barker be authorized to apply for funding approval of a Transportation Alternatives Fast Act (TA) for Green Street / Hardy Street - Roundabout Project.
2. Mayor Toby Barker be authorized to execute a certification document that no known foreseeable legal impediment exists that would prohibit completion of the project.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member _____, seconded by Council member _____, and was adopted by the following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

RESOLUTION

WHEREAS, The City of Hattiesburg has been invited to apply for funding approval of a Transportation Alternatives Fast Act (TA) project through the Mississippi Transportation Commission; and

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2. Mayor Toby Barker be authorized to execute a certification document that no known foreseeable legal impediment exists that would prohibit completion of the project.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Councilperson Dryden, seconded by Councilperson George, and was adopted by the following vote, to-wit:

YEAS:

George
Delgado
Carroll
Dryden
Brown

NAYS:

None

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(SEAL)

ATTEST:

ADOPTED:



CLERK OF COUNCIL



PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:

APPROVED:



CITY CLERK



MAYOR



GREEN STREET / HARDY STREET - ROUNDABOUT

FOR THE CITY OF HATTIESBURG
HATTIESBURG, MS

TRANSPORTATION FAST ACT ALTERNATIVES (TA)
SURFACE TRANSPORTATION BLOCK GRANT PROGRAM (STBG)
SUBMITTED JANUARY, 2018



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TRANSPORTATION ALTERNATIVES PROJECT APPLICATION

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ATTACHMENT C :	EVIDENCE OF ELIGIBILITY BENEFITS OF PROJECT MAINTENANCE PLAN
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TRANSPORTATION ALTERNATIVES PROJECT APPLICATION

DATE:

January 31, 2018

APPLICANT/LPA: (City, Town, College, etc.)

City of Hattiesburg

CONTACT PERSON: (LPA Official, City Engineer, Public Works Director, etc.)

Name: Lamar Rutland

Title: Engineering Director

ADDRESS:

212 West Front Street

City: Hattiesburg

State: MS

Zip: 39401

TELEPHONE NUMBER:

(601) 545-4640

EMAIL ADDRESS

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PROJECT DESCRIPTION:

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Projected Project Costs	FEDERAL SHARE*	LPA SHARE	TOTAL
	80% of Total Project Cost	20% Local Fund Match	
	\$ 840,504.96	\$ 210,126.24	\$ 1,050,631.20
*Maximum Federal Share = 80% of Total Cost			

LPA Official Signature: _____

Title: _____

Transportation Alternative (TA) Project Application Budget Form

1. Date: January 31, 2018 2. County: Forrest
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5. Address: 200 West Front Street 6. Phone: (601) 545-4640
7. Project Type: ☒ TA ☐ SRTS
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PE and Design Costs		\$ 78,712.27
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Applicant: _____
(Signature)

Title: Engineering Director
(Mayor, Pres. Board Supervisors, Agency Head)



DESCRIPTION OF PROPOSED PROJECT

HISTORY & BACKGROUND

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GREEN / HARDY STREET ROUNDABOUT





EXISTING VIEW – ADELINE STREET
View looking Northeast towards Hardy Street



EXISTING VIEW – Hardy Street
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View looking North towards Hardy Street



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The Green / Hardy Street - Roundabout Project is eligible under the following categories identified by the grant:

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PRELIMINARY BUDGET

STREET	ESTIMATED COST
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TOTAL PARTICIPATION BY CITY = \$288,838.51



IMPLEMENTATION SCHEDULE

PROPOSED SCHEDULE

<u>ACTIVITY</u>	<u>TENTATIVE SCHEDULE DATE</u>
ANNOUNCEMENT OF FUNDED PROJECT BY MDOT (EST.)	MARCH 2018
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LEGAL & COMPLIANCE CERTIFICATION - RESOLUTION





Toby Barker
Mayor

Council-Ward 1
Jeffrey George

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January 31, 2018

LPA Division, Room 4014
MDOT Administration Building
Attn: Jeff Altman, P.E., State Engineer for Local Public Agencies
401 North West Street
Jackson, MS 39215-1850

**REFERENCE: TRANSPORTATION ALTERNATIVES FAST ACT PROJECT APPLICATION
GREEN STREET / HARDY STREET - ROUNDABOUT**

Dear Mr. Altman:

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Sincerely,

CITY OF HATTIESBURG

Toby Barker
Mayor

Enclosures

RESOLUTION

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WHEREAS, the City of Hattiesburg proposes to construct Green Street / Hardy Street – Roundabout Project for the City of Hattiesburg; as well as, utility relocation and drainage improvements where needed at an estimated total project cost of \$1,129,343.40; and

WHEREAS, this project is eligible for 80% funding under the Transportation Alternatives Fast Act Program (TA); and

WHEREAS, there are no known foreseeable legal impediments that exist that would prohibit the completion of the project; and;

NOW, THEREFORE, BE IT RESOLVED by the City of Hattiesburg, Mississippi:

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2. Mayor Toby Barker be authorized to execute a certification document that no known foreseeable legal impediment exists that would prohibit completion of the project.

SO ORDERED, this ____ day of _____, 20__.

(SEAL)

ATTEST:

Mayor Toby Barker

LETTERS OF SUPPORT



LPA PDM CERTIFICATION



THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION

hereby recognizes

Sharon Waits

City of Hattiesburg

for completing 7 Professional Development Hours during

*The Local Public Agency Process
Training & Certification.*

OCTOBER 18, 2017

DATE CERTIFICATE VALID
FOR TWO YEARS FROM DATE
OF ISSUE



Shirley Johnson

SHIRLEY JOHNSON
MS LTAP DIRECTOR

PROOF OF ESTABLISHED ACCOUNTING CONTROLS





Toby Barker
Mayor

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January 31, 2018

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GREEN STREET / HARDY STREET - ROUNDABOUT**

Dear Mr. Altman:

Enclosed is the City of Hattiesburg's Transportation Fast Act Alternatives project application for the Green Street / Hardy Street – Roundabout Project in Hattiesburg, Mississippi. This application will demonstrate the importance of this project and its ability to provide a safe and attractive entrance to Downtown Hattiesburg.

Construction of the Green Street / Hardy Street – Roundabout Project will work in conjunction with several projects currently underway in the City of Hattiesburg to improve pedestrian and bicycle access throughout the city. These efforts include connecting parks, schools and Downtown Hattiesburg to neighborhoods and natural resources.

If you need additional information, please call me at 601-545-4501. Thank you for your time and consideration of this application.

Sincerely,

CITY OF HATTIESBURG

Toby Barker
Mayor

Enclosures



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-921

File ID: 2017-921

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 12/11/2017

Brief Title: Adopt Resolution authorizing application for MDOT grant for Lillie Burney Sidewalk Project.

Final Action: 12/19/2017

Minute Book Number: MB2017-477

Title:

Adopt Resolution authorizing Application to the Transportation Alternatives Program (TAP) administered by MDOT for a grant to be used for the Lillie Burney Sidewalk Project; Authorize Mayor to execute certification document and other documents required for said application.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-6

Sponsors:

Enactment Date:

Attachments: TAP Application, Legal Certification Letter, Resolution (Lillie Burney), RES#2017-192, executed Resolution (Lillie Burney)

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Sharon Waits

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017	Adopt				Pass

Action Text: A MOTION was made by Council Member Brown and seconded by Council Member Delgado to Adopt Resolution authorizing Application to the Transportation Alternatives Program (TAP) administered by MDOT for a grant to be used for the Lillie Burney Sidewalk Project; Authorize Mayor to execute certification document and other documents required for said application.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 5 - George, Delgado, Carroll, Dryden and Brown

Nays: 0

Yea: 5 Council Member George
Council Member Delgado
Council President Carroll
Council Vice President Dryden
Council Member Brown

Text of Legislative File 2017-921

Title

Adopt Resolution authorizing Application to the Transportation Alternatives Program (TAP) administered by MDOT for a grant to be used for the Lillie Burney Sidewalk Project; Authorize Mayor to execute certification document and other documents required for said application.

Summary

Adopt Resolution to Authorize Application to the Transportation Alternatives Program (TAP) - Lillie Burney



Toby Barker
Mayor

Council-Ward 1
Jeffrey George

Council-Ward 2
Deborah Denard Delgado

Council-Ward 3
Carter Carroll

Council-Ward 4
Mary Dryden

Council-Ward 5
Nicholas Brown

January 31, 2018

Attn: Jeffrey C. Altman P.E. State Engineer, Local Projects
LPA Division, Room 4014
MDOT Administration Building
401 North West Street
Jackson, MS 39215-1850

**REFERENCE: TRANSPORTATION ALTERNATIVES FAST ACT PROJECT APPLICATION FOR LILLIE
BURNIE NEIGHBORHOOD SIDEWALK PROJECT**

Dear Mr. Altman:

Enclosed is the City of Hattiesburg's Transportation Alternatives Project Application for the Lillie Burnie Neighborhood Sidewalk Project in Hattiesburg, Mississippi. This application will demonstrate the importance of this project and its ability to provide a safe alternative for children wanting to walk and bike in the neighborhood.

Construction of the Lillie Burnie Neighborhood Sidewalk Project will work in conjunction with several projects currently underway in the City of Hattiesburg to improve pedestrian and bicycle access throughout the city. These efforts include connecting parks, schools and Downtown Hattiesburg to neighborhoods and natural resources.

If you need additional information, please call me at 601-545-4501. Thank you for your time and consideration of this application.

Sincerely,

CITY OF HATTIESBURG

Toby Barker
Mayor

Enclosures

TRANSPORTATION ALTERNATIVES PROJECT APPLICATION

DATE:

January 31, 2018

APPLICANT/LPA: (City, Town, College, etc.)

City of Hattiesburg

CONTACT PERSON: (LPA Official, City Engineer, Public Works Director, etc.)

Name: Lamar Rutland

Title: Engineering Director

ADDRESS:

212 West Front Street

City: Hattiesburg

State: MS

Zip: 39401

TELEPHONE NUMBER:

(601) 545-4640

EMAIL ADDRESS

lrutland@hattiesburgms.com

PROJECT DESCRIPTION:

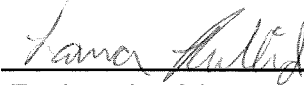
This project consists of constructing a 5' sidewalk in the Lillie Burney Neighborhood along Bowling Street from Pineview Apartments to Lillie Burney Street, along Lillie Burney Street from Bowling Street to Vernon Dahmer Drive, along Vernon Dahmer Drive from Fairway Drive to Lillie Burney Street, along Fairway Drive from Vernon Dahmer Drive to Jesse Brown Street, and along Jesse Brown Street from Fairway Drive to Country Club Road.

Projected Project Costs	FEDERAL SHARE* 80% of Total Project Cost	LPA SHARE 20% Local Fund Match	TOTAL
	\$ 189,942.00	\$ 47,485.50	\$ 237,427.50

***Maximum Federal Share = 80% of Total Cost**

LPA Official Signature:

Title:


Engineering Director

Transportation Alternative (TA) Project Application Budget Form

1. Date: January 31, 2018 2. County: Forrest
3. Applicant: City of Hattiesburg 4. DUNS # 079448130
(Local Public Agency)
5. Address: 200 West Front Street 6. Phone: (601) 545-4640
7. Project Type: ☒ TA ☐ SRTS
8. Project Location Zip+4 Digit Extension 39401-7776
9. Rails Crossing in Project: ☐ Yes ☒ No
10. ROW Required: ☐ Yes ☒ No Estimated Parcels: _____
11. Utilities in Conflict: ☐ Yes ☒ No List all known: None at this Time
12. Special Match Credit will not be allowed for this round of applications

13. Estimated Project Cost and Project Funding:

ESTIMATED PROJECT COST		TOTAL	CONSTRUCTION PHASE FUNDING	
PE and Design Costs		\$ 25,915.00	Requested LPA Federal Aid Funds	
Right-of-Way (ROW) Costs		\$ 0.00		
Other Costs		\$ 0.00		
Sub-total PE & ROW		\$ 0.00		
Construction Costs		\$ 189,942.00	Federal Share	\$ 189,942.00
Construction Engineering (15% Const. Cost)		\$ 28,491.30	Local Share	\$ 47,485.50
Testing (5% Const. Cost)		\$ 9,497.10	Total	\$ 237,427.50
Contingency (5% Const. Cost)		\$ 9,497.10	Federal Share should be 80% of sub-total construction unless seeking Special Match and then Federal Share should be 80% of total project cost. <u>The final amount of Federal money awarded may or may not be the amount requested.</u>	
Sub-total Construction Cost		\$ 237,427.50		
TOTAL PROJECT COST		\$ 263,342.50		

This form shall be included in all applications and will be used in the ultimate determination of Federal funds awarded.

14. SUBMITTED BY:

Applicant:


(Signature)

Title: Engineering Director

(Mayor, Pres. Board Supervisors, Agency Head)



Toby Barker
Mayor

Council-Ward 1
Jeffrey George

Council-Ward 2
Deborah Denard Delgado

Council-Ward 3
Carter Carroll

Council-Ward 4
Mary Dryden

Council-Ward 5
Nicholas Brown

January 31, 2018

LPA Division, Room 4014
MDOT Administration Building
Attn: Jeff Altman, P.E., State Engineer for Local Public Agencies
401 North West Street
Jackson, MS 39215-1850

**REFERENCE: TRANSPORTATION ALTERNATIVES FAST ACT PROJECT APPLICATION FOR
LILLIE BURNEY NEIGHBORHOOD SIDEWALK PROJECT**

Dear Mr. Altman:

This is to certify that there are no known foreseeable legal impediments that would prohibit completion of this project, contemplated by the referenced application, and that the project complies with all applicable codes and/or regulations required for its completion.

Attached is a copy of the City's resolution authorizing the project. If you need additional information, please contact me at 601-545-4501. Thank you for your time and consideration of this application.

Sincerely,

CITY OF HATTIESBURG

Toby Barker
Mayor

Enclosures

RESOLUTION

WHEREAS, The City of Hattiesburg has been invited to apply for funding approval of a Transportation Alternatives Fast Act (TA) project through the Mississippi Transportation Commission; and

WHEREAS, the City of Hattiesburg proposes to construct Lillie Burney Neighborhood Sidewalk Project for the Lillie Burney Elementary School District along Bowling Street from Pineview Apartments to Lillie Burney Street, along Lillie Burney Street from Bowling Street to Vernon Dahmer Drive, along Vernon Dahmer Drive from Fairway Drive to Lillie Burney Street, along Fairway Drive from Vernon Dahmer Drive to Jesse Brown Street, and along Jesse Brown Street from Fairway Drive to Country Club Road; at an estimated total project cost of \$263,342.50; and

WHEREAS, this project is eligible for 80% funding under the Transportation Alternatives Program (TAP) Program; and

WHEREAS, there are no known foreseeable legal impediments that exist that would prohibit the completion of the project; and;

NOW, THEREFORE, BE IT RESOLVED by the City of Hattiesburg, Mississippi:

1. Mayor Toby Barker be authorized to apply for funding approval of a Transportation Alternatives Fast Act (TA) for Lillie Burney Neighborhood Sidewalk Project.
2. Mayor Toby Barker be authorized to execute a certification document that no known foreseeable legal impediment exists that would prohibit completion of the project.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member _____, seconded by Council member _____, and was adopted by the following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

RESOLUTION

WHEREAS, The City of Hattiesburg has been invited to apply for funding approval of a Transportation Alternatives Fast Act (TA) project through the Mississippi Transportation Commission; and

WHEREAS, the City of Hattiesburg proposes to construct Lillie Burney Neighborhood Sidewalk Project for the Lillie Burney Elementary School District along Bowling Street from Pineview Apartments to Lillie Burney Street, along Lillie Burney Street from Bowling Street to Vernon Dahmer Drive, along Vernon Dahmer Drive from Fairway Drive to Lillie Burney Street, along Fairway Drive from Vernon Dahmer Drive to Jesse Brown Street, and along Jesse Brown Street from Fairway Drive to Country Club Road; at an estimated total project cost of \$263,342.50; and

WHEREAS, this project is eligible for 80% funding under the Transportation Alternatives Program (TAP) Program; and

WHEREAS, there are no known foreseeable legal impediments that exist that would prohibit the completion of the project; and;

NOW, THEREFORE, BE IT RESOLVED by the City of Hattiesburg, Mississippi:

1. Mayor Toby Barker be authorized to apply for funding approval of a Transportation Alternatives Fast Act (TA) for Lillie Burney Neighborhood Sidewalk Project.
2. Mayor Toby Barker be authorized to execute a certification document that no known foreseeable legal impediment exists that would prohibit completion of the project.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Councilperson Brown, seconded by Councilperson Delgado, and was adopted by the following vote, to-wit:

YEAS:

George
Delgado
Carroll
Dryden
Brown

NAYS:

None

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:

ADOPTED:

A handwritten signature in blue ink, appearing to read "Delma H. Baines", written over a horizontal line.

CLERK OF COUNCIL

A handwritten signature in blue ink, appearing to read "G. Smith", written over a horizontal line.

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:

APPROVED:

A handwritten signature in blue ink, appearing to read "K. Smith", written over a horizontal line.

CITY CLERK

A handwritten signature in blue ink, appearing to read "Tommy", written over a horizontal line.

MAYOR

TRANSPORTATION ALTERNATIVES PROJECT APPLICATION

DATE:

January 31, 2018

APPLICANT/LPA: (City, Town, College, etc.)

City of Hattiesburg

CONTACT PERSON: (LPA Official, City Engineer, Public Works Director, etc.)

Name: Lamar Rutland

Title: Engineering Director

ADDRESS:

212 West Front Street

City: Hattiesburg

State: MS

Zip: 39401

TELEPHONE NUMBER:

(601) 545-4640

EMAIL ADDRESS

lrutland@hattiesburgms.com

PROJECT DESCRIPTION:

This project consists of constructing a 5' sidewalk in the Lillie Burney Neighborhood along Bowling Street from Pineview Apartments to Lillie Burney Street, along Lillie Burney Street from Bowling Street to Vernon Dahmer Drive, along Vernon Dahmer Drive from Fairway Drive to Lillie Burney Street, along Fairway Drive from Vernon Dahmer Drive to Jesse Brown Street, and along Jesse Brown Street from Fairway Drive to Country Club Road.

Projected Project Costs	FEDERAL SHARE* 80% of Total Project Cost	LPA SHARE 20% Local Fund Match	TOTAL
	\$ 189,942.00	\$ 47,485.50	\$ 237,427.50

***Maximum Federal Share = 80% of Total Cost**

LPA Official Signature:



Title:

Engineering Director

Transportation Alternative (TA) Project Application Budget Form

1. Date: January 31, 2018 2. County: Forrest
3. Applicant: City of Hattiesburg
(Local Public Agency) 4. DUNS # 079448130
5. Address: 200 West Front Street 6. Phone: (601) 545-4640
7. Project Type: ☒ TA ☐ SRTS
8. Project Location Zip+4 Digit Extension 39401-7776
9. Rails Crossing in Project: ☐ Yes ☒ No
10. ROW Required: ☐ Yes ☒ No Estimated Parcels: _____
11. Utilities in Conflict: ☐ Yes ☒ No List all known: None at this Time
12. Special Match Credit will not be allowed for this round of applications

13. Estimated Project Cost and Project Funding:

ESTIMATED PROJECT COST		TOTAL	CONSTRUCTION PHASE FUNDING	
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Other Costs		\$ 0.00		
Sub-total PE & ROW		\$ 0.00		
Construction Costs		\$ 189,942.00	Federal Share	\$ 189,942.00
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Contingency (5% Const Cost)		\$ 9,497.10	Federal Share should be 80% of sub-total construction unless seeking Special Match and then Federal Share should be 80% of total project cost. <u>The final amount of Federal money awarded may or may not be the amount requested.</u>	
Sub-total Construction Cost		\$ 237,427.50		
TOTAL PROJECT COST		\$ 263,342.50		

This form shall be included in all applications and will be used in the ultimate determination of Federal funds awarded.

14. SUBMITTED BY:

Applicant:


(Signature)

Title: Engineering Director

(Mayor, Pres. Board Supervisors, Agency Head)



Toby Barker
Mayor

Council-Ward 1
Jeffrey George

Council-Ward 2
Deborah Denard Delgado

Council-Ward 3
Carter Carroll

Council-Ward 4
Mary Dryden

Council-Ward 5
Nicholas Brown

January 31, 2018

LPA Division, Room 4014
MDOT Administration Building
Attn: Jeff Altman, P.E., State Engineer for Local Public Agencies
401 North West Street
Jackson, MS 39215-1850

**REFERENCE: TRANSPORTATION ALTERNATIVES FAST ACT PROJECT APPLICATION FOR
LILLIE BURNEY NEIGHBORHOOD SIDEWALK PROJECT**

Dear Mr. Altman:

This is to certify that there are no known foreseeable legal impediments that would prohibit completion of this project, contemplated by the referenced application, and that the project complies with all applicable codes and/or regulations required for its completion.

Attached is a copy of the City's resolution authorizing the project. If you need additional information, please contact me at 601-545-4501. Thank you for your time and consideration of this application.

Sincerely,

CITY OF HATTIESBURG

A handwritten signature in blue ink, appearing to read "Toby Barker", is written over a faint, larger version of the same signature.

Toby Barker
Mayor

Enclosures



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-914

File ID: 2017-914

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 12/11/2017

Brief Title: Authorize Publication of Notice of Final Settlement for contract with Fairley Construction Services, for the Gordon's Creek Repair project. Authorize payment of Final Pay Application in the amount of \$243,440.45.

Final Action: 12/19/2017

Minute Book Number: MB2017-478

Title:

Authorize Publication of Notice of Final Settlement for contract with Fairley Construction Services, for the Gordon's Creek Repair project. Authorize payment of Final Pay Application in the amount of \$243,440.45.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-7

Sponsors:

Enactment Date:

Attachments: Notice of Final Settlement, Closeout Documents, executed Notice of Final Settlement - Fairley Construction Services

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: LaTasha McDaniel

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017	Authorize				Pass
Action Text: A MOTION was made by Council Member George and seconded by Council Vice President Dryden to Authorize Publication of Notice of Final Settlement for contract with Fairley Construction Services, for the Gordon's Creek Repair project. Authorize payment of Final Pay Application in the amount of \$243,440.45.							
There being no discussion, the Motion received the affirmative vote of the Council as follows:							
Yeas: 5 - George, Delgado, Carroll, Dryden and Brown							
Nays: 0							

Yea: 5 Council Member George
Council Member Delgado
Council President Carroll
Council Vice President Dryden
Council Member Brown

Text of Legislative File 2017-914

Title

Authorize Publication of Notice of Final Settlement for contract with Fairley Construction Services, for the Gordon's Creek Repair project. Authorize payment of Final Pay Application in the amount of \$243,440.45.

Summary

Final Payment to Fairley Construction for the Gordon's Creek Repair Project.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

NOTICE OF FINAL SETTLEMENT

NOTICE is hereby given that the contract between the City of Hattiesburg, Mississippi, as Owner and Fairley Construction Services dated December 4, 2017, for the Gordon's Creek Repair between Hardy Street and Camp Street project, as per approved plans and specification on file in the City Clerk's Office, has been fully and completely performed and exercised, and that final settlement thereof and thereunder will be made.

THIS NOTICE is given pursuant to and under the terms and provisions of Section 31-5-53, Mississippi Code of 1972, annotated as amended and pursuant to the authority conferred by Order of the Mayor and City Council of Hattiesburg, Mississippi, appearing for record upon and as part of the official minutes of said City of Hattiesburg.

WITNESS my signature and the official seal of said City, on this the 19th day of December, 2017, A.D.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____
CITY CLERK

(S E A L)

Publish (1) Sunday, December 24th, 2017
Return PROOF to City Clerk's Office
P O Box 1898
Hattiesburg, MS 39403

December 6, 2017

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403

Attn: Lamar Rutland, P.E.

Re: Gordons Creek Repair

Dear Mr. Rutland:

This is to certify the above referenced project has been completed in accordance with the previously approved plans and specifications.

Enclosed are the following documents:

1. Pay Estimate no. 3 for the contractor in the amount of \$219,106.05
2. Pay estimate No. 4 and Final for the contractor in the amount of \$24,334.40
3. Contractor's Affidavit of Release of Liens
4. Consent of Surety to final Payment
5. Guarantee of Work

Enclosed also is a CD containing closeout documents along with various other documents relative to the project. We would like for this to be placed on the next agenda.

Please do not hesitate to contact me should you have questions or comments.

Sincerely,



Louis Thomas, E.I.
Project Manager

/aa

enclosures

RECEIVED
12/11/17

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

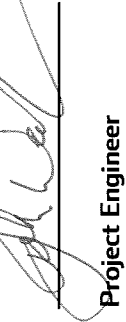
G:\PROJECTS\Hattiesburg_City OR\11243 - Gordons Creek Repair Between Hardy And Camp\Corres\11243_Closeout Docs_Rutland_Trans.Docx

SHOWS, DEARMAN & WAITS, INC. - CONSULTING ENGINEERS -
Project: Gordon's Creek Repair between Hardy St & Camp St
Pay Estimate No.: Three (3)

Date: 12/1/2017
Pay Period: 10-27-2017 - 12-4-2017
Contractor: Fairley Construction Services
% Complete: 92.08%
% Time Elapsed: 100.00%
Contract Time: 60 Calendar Days

Item No.	Item Description	Total Quantities			Unit	Unit Price	Amount
		On Cont. Price Est	Allowed This Period	Allowed To Date			
202-B025	REMOVAL OF CONCRETE PAVED DITCH	1850	294.60	2,606.85	SY	\$20.00	\$ 52,137.00
203-EX018	BORROW EXCAVATION, AH, LVM, CLASS B9	875	44.00	586.00	CY	\$20.00	\$ 11,720.00
221-A001	PORTLAND CEMENT CONCRETE PAVED DITCH	315	201.00	554.00	CY	\$400.00	\$ 221,600.00
234-A001	TEMPORARY SILT FENCE	3350	0.00	160.00	LF	\$1.50	\$ 240.00
413-B001	CLEANING AND SEALING JOINTS	32000	11,388.50	11,388.50	LF	\$3.50	\$ 39,859.75
618-A001	MAINTENANCE OF TRAFFIC	1	0.52	1.00	LS	\$5,000.00	\$ 5,000.00
620-A001	MOBILIZATION	1	0.45	1.00	LS	\$100,000.00	\$ 100,000.00
907-225-A001	GRASSING	1	1.00	1.00	ACRE	\$5,000.00	\$ 5,000.00
907-226-A001	TEMPORARY GRASSING	1	0.75	1.00	ACRE	\$500.00	\$ 500.00
907-237-A003	WATTLES, 20"	100	0.00	0.00	LF	\$5.00	\$ -
907-512-B001	PORTLAND CEMENT PRESSURE GROUT SLURRY, TYPE 1	600000	253,156.00	253,156.00	LBS	\$0.20	\$ 50,631.20
CONTRACT TOTAL: \$							528,525.00

CERTIFIED CORRECT:
Shows, Dearman & Waits, Inc.



Project Engineer

APPROVED:

Owner

Total Earned - Regular Work	\$	486,687.95
Less 5% Retainage	\$	24,334.40
Less Stored Materials	\$	-
Total Due - Regular Work	\$	462,353.55
Less Previous Payments	\$	243,247.50
Net Amount Due This Estimate	\$	219,106.05
Less Deductions	\$	-
Net Payment Due	\$	219,106.05

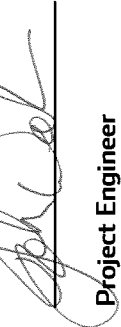
SHOWS, DEARMAN & WAITS, INC. - CONSULTING ENGINEERS -

Date: 12/1/2017
Pay Period: 12-4-2017 - 12-25-2017
Contractor: Fairley Construction Services
% Complete: 92.08%
% Time Elapsed: 100.00%
Contract Time: 60 Calendar Days

Project: Gordon's Creek Repair between Hardy St & Camp St
Pay Estimate No.: Four (4) (FINAL)

Item No.	Item Description	Total Quantities			Unit	Unit Price	Amount
		On Cont. Price Est	Allowed This Period	Allowed To Date			
CONTRACT TOTAL: \$							528,525.00
202-B025	REMOVAL OF CONCRETE PAVED DITCH	1850	0.00	2,606.85	SY	\$20.00	\$ 52,137.00
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221-A001	PORTLAND CEMENT CONCRETE PAVED DITCH	315	0.00	554.00	CY	\$400.00	\$ 221,600.00
234-A001	TEMPORARY SILT FENCE	3350	0.00	160.00	LF	\$1.50	\$ 240.00
413-B001	CLEANING AND SEALING JOINTS	32000	0.00	11,388.50	LF	\$3.50	\$ 39,859.75
618-A001	MAINTENANCE OF TRAFFIC	1	0.00	1.00	LS	\$5,000.00	\$ 5,000.00
620-A001	MOBILIZATION	1	0.00	1.00	LS	\$100,000.00	\$ 100,000.00
907-225-A001	GRASSING	1	0.00	1.00	ACRE	\$5,000.00	\$ 5,000.00
907-226-A001	TEMPORARY GRASSING	1	0.00	1.00	ACRE	\$500.00	\$ 500.00
907-237-A003	WATTLES, 20"	100	0.00	0.00	LF	\$5.00	\$ -
907-512-B001	PORTLAND CEMENT PRESSURE GROUT SLURRY, TYPE 1	600000	0.00	253,156.00	LBS	\$0.20	\$ 50,631.20

CERTIFIED CORRECT:
Shows, Dearman & Waits, Inc.



Project Engineer

APPROVED:

Owner

Total Earned - Regular Work \$ 486,687.95
Less 5% Retainage \$ -
Less Stored Materials \$ 486,687.95
Total Due - Regular Work \$ 462,353.55
Less Previous Payments \$ 24,334.40
Net Amount Due This Estimate \$ -
Less Deductions \$ -
Net Payment Due \$ 24,334.40

Fairley Construction Services, Inc.
828 Hwy 11
Petal, MS 39465
Phone: (601) 583-3778
Fax: (601) 544-0638

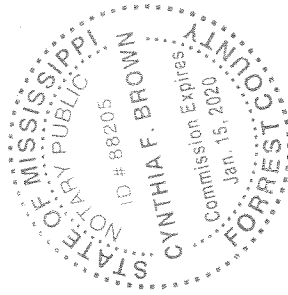
December 4, 2017

Re: Gordon's Creek Repair Between
Hardy Street & Camp Street

"WE HEREBY CERTIFY THAT ALL BILLS AND LABOR AND MATERIALS
INCORPORATED INTO THE ABOVE CAPTIONED PROJECT UNDER OUR CONTRACT
HAVE BEEN PAID AND THAT THE OWNER IS RELEASED FROM ANY AND ALL
CLAIMS AND/OR DAMAGES UNDER THIS CONTRACT."

By:  Date: 12/4/17
Stephen M. Fairley, President

SWORN TO AND SUBSCRIBED before me on this the 4th day of December, 2017




NOTARY PUBLIC
My Commission Expires: Jan. 15, 2020

Consent Of Surety to Final Payment

Bond # 4799397

PROJECT: (Name and address) Gordon's Creek Repair Between Hardy Street & Camp Street Hattiesburg, MS		ARCHITECT'S PROJECT NUMBER:	OWNER: ☐
		CONTRACT FOR: Construction	ARCHITECT: ☐
		CONTRACT DATED:	CONTRACTOR: ☐
TO OWNER: (Name and address) City of Hattiesburg P.O. Box 1898 Hattiesburg, MS 39401			SURETY: ☐
			OTHER: ☐

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the

(Insert name and address of Surety)
Westfield Insurance Company
P.O. Box 5001
Westfield Center, OH 44251-5001

on bond of
(Insert name and address of Contractor)
Fairley Construction Services, Inc.
828 Hwy 11
Petal, MS 39465

, SURETY,

hereby approves of the final payment to the Contractor, and agrees that final payment to the Contractor shall not relieve the Surety of any of its obligations to
(Insert name and address of Owner)

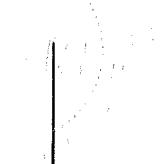
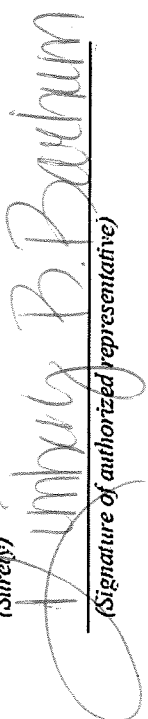
, CONTRACTOR,

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39401

, OWNER,

as set forth in said Surety's bond.

IN WITNESS WHEREOF, the Surety has hereunto set its hand on this date: December 1st, 2017
(Insert in writing the month followed by the numeric date and year.)

Attest: <i>(Seal)</i> 	Westfield Insurance Company <i>(Surety)</i>  <i>(Signature of authorized representative)</i> Kimberly B. Barhum, Attorney-in-Fact <i>(Printed name and title)</i>
---	--

THIS POWER OF ATTORNEY SUPERCEDES ANY PREVIOUS POWER BEARING THIS SAME POWER # AND ISSUED PRIOR TO 03/29/16, FOR ANY PERSON OR PERSONS NAMED BELOW.

General
Power
of Attorney

POWER NO. 2320202 13
Westfield Insurance Co.
Westfield National Insurance Co.
Ohio Farmers Insurance Co.
Westfield Center, Ohio

CERTIFIED COPY

Know All Men by These Presents, That WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, corporations, hereinafter referred to individually as a "Company" and collectively as "Companies," duly organized and existing under the laws of the State of Ohio, and having its principal office in Westfield Center, Medina County, Ohio, do by these presents make, constitute and appoint
DAVID R. FORTENBERRY, RICHARD T. JONES, MARY J. NORVAL, KIMBERLY B. BARHUM, JOINTLY OR SEVERALLY

of **HATTIESBURG** and State of **MS** its true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver **any and all bonds, recognizances, undertakings, or other instruments or contracts of suretyship**.....

LIMITATION: THIS POWER OF ATTORNEY CANNOT BE USED TO EXECUTE NOTE GUARANTEE, MORTGAGE DEFICIENCY, MORTGAGE GUARANTEE, OR BANK DEPOSITORY BONDS.

and to bind any of the Companies thereby as fully and to the same extent as if such bonds were signed by the President, sealed with the corporate seal of the applicable Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney(s)-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolution adopted by the Board of Directors of each of the WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY:

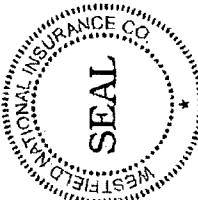
"Be it Resolved, that the President, any Senior Executive, any Secretary or any Fidelity & Surety Operations Executive or other Executive shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

The Attorney-in-Fact may be given full power and authority for and in the name of and on behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements of indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed by the President and sealed and attested by the Corporate Secretary."

"Be it Further Resolved, that the signature of any such designated person and the seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signatures or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached." (Each adopted at a meeting held on February 8, 2000).

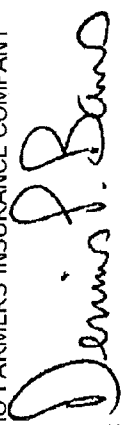
In Witness Whereof, WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY have caused these presents to be signed by their National Surety Leader and Senior Executive and their corporate seals to be hereto affixed this **29th** day of **MARCH** A.D., **2016**.

Corporate
Seals
Affixed



State of Ohio
County of Medina

ss.:

By: 
Dennis P. Baus, National Surety Leader and Senior Executive

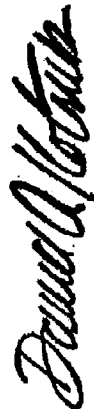
On this **29th** day of **MARCH** A.D., **2016**, before me personally came **Dennis P. Baus** to me known, who, being by me duly sworn, did depose and say, that he resides in **Wooster, Ohio**; that he is **National Surety Leader and Senior Executive** of **WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY**, the companies described in and which executed the above instrument; that he knows the seals of said Companies; that the seals affixed to said instrument are such corporate seals; that they were so affixed by order of the Boards of Directors of said Companies; and that he signed his name thereto by like order.

Notarial
Seal
Affixed



State of Ohio
County of Medina

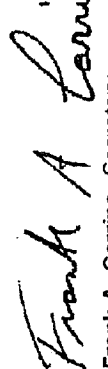
ss.:


David A. Kotnik, Attorney at Law, Notary Public
My Commission Does Not Expire (Sec. 147.03 Ohio Revised Code)

I, **Frank A. Carrino**, Secretary of WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Companies, which is still in full force and effect; and furthermore, the resolutions of the Boards of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seals of said Companies at Westfield Center, Ohio, this **1st** day of **December** A.D., **2017**




Frank A. Carrino, Secretary

BPOAC2 (combined) (06-02)

Fairley Construction Services, Inc.
828 Hwy 11
Petal, MS 39465
Phone: (601) 583-3778
Fax: (601) 544-0638

December 4, 2017

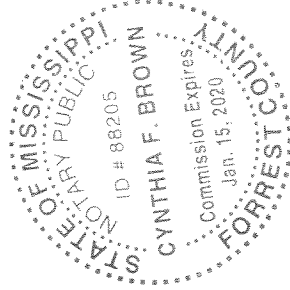
Re: Gordon's Creek Repair Between
Hardy Street & Camp Street

Guarantee of Work

"WE HEREBY GUARANTEE ALL WORK PERFORMED BY US ON ABOVE CAPTIONED PROJECT TO BE FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR, OR SUCH LONGER PERIOD OF TIME AS MAY BE CALLED FOR IN THE CONTRACT DOCUMENTS FOR SUCH PORTIONS OF THE WORK

By: [Signature] Date: 12/4/17
Stephen M. Fairley, President

SWORN TO AND SUBSCRIBED before me on this the 4th day of December, 2017



[Signature]
NOTARY PUBLIC
My Commission Expires: Jan. 15, 2020

NOTICE OF FINAL SETTLEMENT

NOTICE is hereby given that the contract between the City of Hattiesburg, Mississippi, as Owner and Fairley Construction Services dated December 4, 2017, for the Gordon's Creek Repair between Hardy Street and Camp Street project, as per approved plans and specification on file in the City Clerk's Office, has been fully and completely performed and exercised, and that final settlement thereof and thereunder will be made.

THIS NOTICE is given pursuant to and under the terms and provisions of Section 31-5-53, Mississippi Code of 1972, annotated as amended and pursuant to the authority conferred by Order of the Mayor and City Council of Hattiesburg, Mississippi, appearing for record upon and as part of the official minutes of said City of Hattiesburg.

WITNESS my signature and the official seal of said City, on this the 19th day of December, 2017, A.D.

CITY OF HATTIESBURG, MISSISSIPPI

BY: 

CITY CLERK

(S E A L)

Publish (1) Sunday, December 24th, 2017
Return PROOF to City Clerk's Office
P O Box 1898
Hattiesburg, MS 39403



Engineering Progress

December 6, 2017

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403

Attn: Lamar Rutland, P.E.

Re: Gordons Creek Repair

Dear Mr. Rutland:

This is to certify the above referenced project has been completed in accordance with the previously approved plans and specifications.

Enclosed are the following documents:

1. Pay Estimate no. 3 for the contractor in the amount of \$219,106.05
2. Pay estimate No. 4 and Final for the contractor in the amount of \$24,334.40
3. Contractor's Affidavit of Release of Liens
4. Consent of Surety to final Payment
5. Guarantee of Work

Enclosed also is a CD containing closeout documents along with various other documents relative to the project. We would like for this to be placed on the next agenda.

Please do not hesitate to contact me should you have questions or comments.

Sincerely,

Louis Thomas, E.I
Project Manager

/aa

enclosures

RECEIVED
12/7/17

SHOWS, DEARMAN & WAITS, INC. - CONSULTING ENGINEERS -

Project: Gordon's Creek Repair between Hardy St & Camp St
Pay Estimate No.: Three (3)

Date: 12/1/2017
Pay Period: 10-27-2017 - 12-4-2017
Contractor: Fairley Construction Services
% Complete: 92.08%
% Time Elapsed: 100.00%
Contract Time: 60 Calendar Days

Item No.	Item Description	Total Quantities			Unit	Unit Price	Amount
		On Cont. Price Est	Allowed This Period	Allowed To Date			
CONTRACT TOTAL:							\$ 528,525.00
202-B025	REMOVAL OF CONCRETE PAVED DITCH	1850	294.60	2,606.85	SY	\$20.00	\$ 52,137.00
203-EX018	BORROW EXCAVATION, AH, LVM, CLASS B9	875	44.00	586.00	CY	\$20.00	\$ 11,720.00
221-A001	PORTLAND CEMENT CONCRETE PAVED DITCH	315	201.00	554.00	CY	\$400.00	\$ 221,600.00
234-A001	TEMPORARY SILT FENCE	3350	0.00	160.00	LF	\$1.50	\$ 240.00
413-B001	CLEANING AND SEALING JOINTS	32000	11,388.50	11,388.50	LF	\$3.50	\$ 39,859.75
618-A001	MAINTENANCE OF TRAFFIC	1	0.52	1.00	LS	\$5,000.00	\$ 5,000.00
620-A001	MOBILIZATION	1	0.45	1.00	LS	\$100,000.00	\$ 100,000.00
907-225-A001	GRASSING	1	1.00	1.00	ACRE	\$5,000.00	\$ 5,000.00
907-226-A001	TEMPORARY GRASSING	1	0.75	1.00	ACRE	\$500.00	\$ 500.00
907-237-A003	WATTLES, 20"	100	0.00	0.00	LF	\$5.00	\$ -
907-512-B001	PORTLAND CEMENT PRESSURE GROUT SLURRY, TYPE 1	600000	253,156.00	253,156.00	LBS	\$0.20	\$ 50,631.20

CERTIFIED CORRECT:
Shows, Dearman & Waits, Inc.

Project Engineer

APPROVED:

Owner

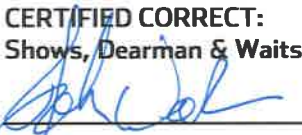
Total Earned - Regular Work	\$ 486,687.95
Less 5% Retainage	\$ 24,334.40
Less Stored Materials	\$ -
Total Due - Regular Work	\$ 462,353.55
Less Previous Payments	\$ 243,247.50
Net Amount Due This Estimate	\$ 219,106.05
Less Deductions	\$ -
Net Payment Due	\$ 219,106.05

SHOWS, DEARMAN & WAITS, INC. - CONSULTING ENGINEERS -

Project: Gordon's Creek Repair between Hardy St & Camp St
Pay Estimate No.: Four (4) (FINAL)

Date: 12/1/2017
Pay Period: 12-4-2017 - 12-25-2017
Contractor: Fairley Construction Services
% Complete: 92.08%
% Time Elapsed: 100.00%
Contract Time: 60 Calender Days

Item No.	Item Description	Total Quantities			Unit	Unit Price	Amount
		On Cont. Price Est	Allowed This Period	Allowed To Date			
CONTRACT TOTAL: \$							528,525.00
202-B025	REMOVAL OF CONCRETE PAVED DITCH	1850	0.00	2,606.85	SY	\$20.00	\$ 52,137.00
203-EX018	BORROW EXCAVATION, AH, LVM, CLASS B9	875	0.00	586.00	CY	\$20.00	\$ 11,720.00
221-A001	PORTLAND CEMENT CONCRETE PAVED DITCH	315	0.00	554.00	CY	\$400.00	\$ 221,600.00
234-A001	TEMPORARY SILT FENCE	3350	0.00	160.00	LF	\$1.50	\$ 240.00
413-B001	CLEANING AND SEALING JOINTS	32000	0.00	11,388.50	LF	\$3.50	\$ 39,859.75
618-A001	MAINTENANCE OF TRAFFIC	1	0.00	1.00	LS	\$5,000.00	\$ 5,000.00
620-A001	MOBILIZATION	1	0.00	1.00	LS	\$100,000.00	\$ 100,000.00
907-225-A001	GRASSING	1	0.00	1.00	ACRE	\$5,000.00	\$ 5,000.00
907-226-A001	TEMPORARY GRASSING	1	0.00	1.00	ACRE	\$500.00	\$ 500.00
907-237-A003	WATTLES, 20"	100	0.00	0.00	LF	\$5.00	\$ -
907-512-B001	PORTLAND CEMENT PRESSURE GROUT SLURRY, TYPE 1	600000	0.00	253,156.00	LBS	\$0.20	\$ 50,631.20

CERTIFIED CORRECT:
Shows, Dearman & Waits, Inc.

Project Engineer

APPROVED:

Owner

Total Earned - Regular Work	\$ 486,687.95
Less 5% Retainage	
Less Stored Materials	\$ -
Total Due - Regular Work	\$ 486,687.95
Less Previous Payments	\$ 462,353.55
Net Amount Due This Estimate	\$ 24,334.40
Less Deductions	\$ -
Net Payment Due	\$ 24,334.40

Fairley Construction Services, Inc.

828 Hwy 11

Petal, MS 39465

Phone: (601) 583-3778

Fax: (601) 544-0638

December 4, 2017

Re: Gordon's Creek Repair Between
Hardy Street & Camp Street

"WE HEREBY CERTIFY THAT ALL BILLS AND LABOR AND MATERIALS
INCORPORATED INTO THE ABOVE CAPTIONED PROJECT UNDER OUR CONTRACT
HAVE BEEN PAID AND THAT THE OWNER IS RELEASED FROM ANY AND ALL
CLAIMS AND/OR DAMAGES UNDER THIS CONTRACT."

By: Steph M. Fairley Date: 12/4/17
Stephen M. Fairley, President

SWORN TO AND SUBSCRIBED before me on this the 4th day of December, 2017



Cynthia F. Brown
NOTARY PUBLIC
My Commission Expires: Jan. 15, 2020



AIA®

Document G707™ – 1994

Consent Of Surety to Final Payment

Bond # 4799397

PROJECT: (Name and address)

Gordon's Creek Repair Between Hardy Street
& Camp Street Hattiesburg, MS

ARCHITECT'S PROJECT NUMBER:

CONTRACT FOR: Construction

OWNER: ☐

ARCHITECT: ☐

CONTRACTOR: ☐

SURETY: ☐

OTHER: ☐

TO OWNER: (Name and address)

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39401

CONTRACT DATED:

In accordance with the provisions of the Contract between the Owner and the Contractor as indicated above, the

(Insert name and address of Surety)

Westfield Insurance Company
P.O. Box 5001
Westfield Center, OH 44251-5001

, SURETY,

on bond of

(Insert name and address of Contractor)

Fairley Construction Services, Inc.
828 Hwy 11
Petal, MS 39465

, CONTRACTOR,

hereby approves of the final payment to the Contractor, and agrees that final payment to the Contractor shall not relieve the Surety of any of its obligations to

(Insert name and address of Owner)

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39401

, OWNER,

as set forth in said Surety's bond.

IN WITNESS WHEREOF, the Surety has hereunto set its hand on this date: December 1st, 2017

(Insert in writing the month followed by the numeric date and year.)

Westfield Insurance Company

(Surety)

Kimberly B. Barhum

(Signature of authorized representative)

Kimberly B. Barhum, Attorney-in-Fact

(Printed name and title)

Attest:

(Seal):

Jawon T. Ellis

General
Power
of Attorney

Westfield Insurance Co.
Westfield National Insurance Co.
Ohio Farmers Insurance Co.
Westfield Center, Ohio

CERTIFIED COPY

Know All Men by These Presents, That WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, corporations, hereinafter referred to individually as a "Company" and collectively as "Companies," duly organized and existing under the laws of the State of Ohio, and having its principal office in Westfield Center, Medina County, Ohio, do by these presents make, constitute and appoint
DAVID R. FORTENBERRY, RICHARD T. JONES, MARY J. NORVAL, KIMBERLY B. BARHUM, JOINTLY OR SEVERALLY

of HATTIESBURG and State of MS its true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings, or other instruments or contracts of suretyship.

LIMITATION: THIS POWER OF ATTORNEY CANNOT BE USED TO EXECUTE NOTE GUARANTEE, MORTGAGE DEFICIENCY, MORTGAGE GUARANTEE, OR BANK DEPOSITORY BONDS.

and to bind any of the Companies thereby as fully and to the same extent as if such bonds were signed by the President, sealed with the corporate seal of the applicable Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney(s)-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolution adopted by the Board of Directors of each of the WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY:

"Be It Resolved, that the President, any Senior Executive, any Secretary or any Fidelity & Surety Operations Executive or other Executive shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

The Attorney-in-Fact may be given full power and authority for and in the name of and on behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements of indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed by the President and sealed and attested by the Corporate Secretary."

"Be It Further Resolved, that the signature of any such designated person and the seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signatures or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached." (Each adopted at a meeting held on February 8, 2000).

In Witness Whereof, WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY have caused these presents to be signed by their National Surety Leader and Senior Executive and their corporate seals to be hereto affixed this 29th day of MARCH A.D., 2016.

Corporate
Seals
Affixed



WESTFIELD INSURANCE COMPANY
WESTFIELD NATIONAL INSURANCE COMPANY
OHIO FARMERS INSURANCE COMPANY

By:
Dennis P. Baus, National Surety Leader and Senior Executive

State of Ohio
County of Medina ss.:

On this 29th day of MARCH A.D., 2016, before me personally came Dennis P. Baus to me known, who, being by me duly sworn, did depose and say, that he resides in Wooster, Ohio; that he is National Surety Leader and Senior Executive of WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, the companies described in and which executed the above instrument; that he knows the seals of said Companies; that the seals affixed to said instrument are such corporate seals; that they were so affixed by order of the Boards of Directors of said Companies; and that he signed his name thereto by like order.

Notarial
Seal
Affixed



David A. Kotnik, Attorney at Law, Notary Public
My Commission Does Not Expire (Sec. 147.03 Ohio Revised Code)

State of Ohio
County of Medina ss.:

I, Frank A. Carrino, Secretary of WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Companies, which is still in full force and effect; and furthermore, the resolutions of the Boards of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seals of said Companies at Westfield Center, Ohio, this 1st day of December A.D., 2017



Frank A. Carrino, Secretary

BPOAC2 (combined) (06-02)

Fairley Construction Services, Inc.

828 Hwy 11

Petal, MS 39465

Phone: (601) 583-3778

Fax: (601) 544-0638

December 4, 2017

Re: Gordon's Creek Repair Between
Hardy Street & Camp Street

Guarantee of Work

"WE HEREBY GUARANTEE ALL WORK PERFORMED BY US ON ABOVE CAPTIONED PROJECT TO BE FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR, OR SUCH LONGER PERIOD OF TIME AS MAY BE CALLED FOR IN THE CONTRACT DOCUMENTS FOR SUCH PORTIONS OF THE WORK

By: _____

Stephen M. Fairley, President

Date: _____

12/4/17

SWORN TO AND SUBSCRIBED before me on this the 4th day of December, 2017



Cynthia F. Brown

NOTARY PUBLIC

My Commission Expires: Jan. 15, 2020



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-937

File ID: 2017-937

Type: Regular Agenda Item

Status: Approved

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 12/14/2017

Brief Title: Acknowledge declaration of state of local emergency for December 8, 2017, winter snow storm, and end said State of Local Emergency.

Final Action: 12/19/2017

Minute Book Number: MB2017-478

Title:

Acknowledge declaration of state of local emergency due to the winter snow storm that occurred in Hattiesburg on December 8, 2017, and end said State of Local Emergency.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-8

Sponsors:

Enactment Date:

Attachments: 12-19-End State of Emergency, executed 12-19-End State of Emergency

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017	Acknowledge				Pass
	Action Text: A MOTION was made by Council Member George and seconded by Council Member Delgado to Acknowledge declaration of state of local emergency due to the winter snow storm that occurred in Hattiesburg on December 8, 2017, and end said State of Local Emergency.						
	There being no discussion, the Motion received the affirmative vote of the Council as follows:						
	Yeas: 5 - George, Delgado, Carroll, Dryden and Brown						
	Nays: 0						
	Council Vice President Dryden recused herself for the vote on Policy Agenda item V.-9.						
	Yea: 5 Council Member George Council Member Delgado Council President Carroll Council Vice President Dryden Council Member Brown						

Text of Legislative File 2017-937

Title

Acknowledge declaration of state of local emergency due to the winter snow storm that occurred in Hattiesburg on December 8, 2017, and end said State of Local Emergency.

Summary

Acknowledge declaration of state of local emergency for December 8, 2017, winter snow storm, and end said State of Local Emergency.

PROCLAMATION OF EXISTENCE OF A LOCAL EMERGENCY
(by City Council or County Board of Supervisors)

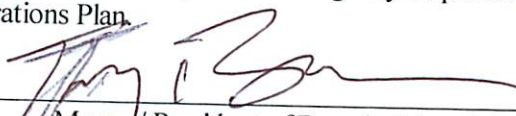
WHEREAS, City of Hattiesburg the City Council /or Board of Supervisors does hereby find that conditions of extreme peril to the safety of persons and property have arisen within said City /County, caused by
Winter Storm
(Severe storm, tornado, damaging winds, flash flooding, river flooding
drought, wildland fire, structural fire, hail, hazardous material incident, epidemic, hurricane, earthquake, other)

commencing on or about 12:00 AM AM/PM on the 8th day of December, 202017; and
WHEREAS, the aforesaid conditions of extreme peril warrant and necessitate the proclamation of the existence of a local emergency in order to provide for the health and safety of the citizens and the protection of their property within the affected jurisdiction;

NOW, THEREFORE, IT IS HEREBY PROCLAIMED that in accordance with Section 33-15-17(d), Mississippi Code of 1972, as amended, a local emergency now exists throughout said City /County; and shall be reviewed every thirty (30) days until such local emergency is no longer in effect and proclaimed terminated by the City Council / Board of Supervisors of the City / County of Hattiesburg, State of Mississippi.

IT IS FURTHER PROCLAIMED AND ORDERED that all City / County agencies and departments shall render all possible assistance and discharge their emergency responsibilities as set forth in the City / County Emergency Operations Plan.

DATE: 12-8-17



Mayor / President of Board of Supervisors

ATTEST:

Clerk of City / Chancery
Clerk for Board of Supervisors

Councilperson / Supervisor

Councilperson / Supervisor

Councilperson / Supervisor

City / or County, State of MS

Councilperson / Supervisor

PROCLAMATION OF EXISTENCE OF A LOCAL EMERGENCY

(by City Council or County Board of Supervisors)

WHEREAS, City of Hattiesburg the City Council /or Board of Supervisors does hereby find that conditions of extreme peril to the safety of persons and property have arisen within said City /County, caused by

Winter Storm

(Severe storm, tornado, damaging winds, flash flooding, river flooding

drought, wildland fire, structural fire, hail, hazardous material incident, epidemic, hurricane, earthquake, other)

commencing on or about 12:00 AM AM/PM on the 8th day of December, 20 2017; and

WHEREAS, the aforesaid conditions of extreme peril warrant and necessitate the proclamation of the existence of a local emergency in order to provide for the health and safety of the citizens and the protection of their property within the affected jurisdiction;

NOW, THEREFORE, IT IS HEREBY PROCLAIMED that in accordance with Section 33-15-17(d), Mississippi Code of 1972, as amended, a local emergency now exists throughout said City /County; and shall be reviewed every thirty (30) days until such local emergency is no longer in effect and proclaimed terminated by the City Council / Board of Supervisors of the City / County of Hattiesburg, State of Mississippi.

IT IS FURTHER PROCLAIMED AND ORDERED that all City / County agencies and departments shall render all possible assistance and discharge their emergency responsibilities as set forth in the City / County Emergency Operations Plan.

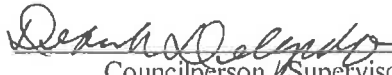
DATE: 12-8-17



Mayor / President of Board of Supervisors

ATTEST: 

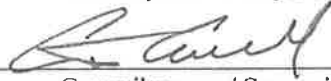
Clerk of City / Chancery
Clerk for Board of Supervisors



Councilperson / Supervisor



Councilperson / Supervisor

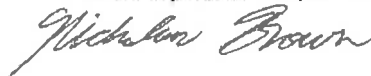


Councilperson / Supervisor

Hattiesburg
City / or County, State of MS



Councilperson / Supervisor



Councilperson / Supervisor



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-929

File ID: 2017-929

Type: Regular Agenda Item

Status: Approved

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 12/12/2017

Brief Title: Acknowledge receipt of Judgment in Dryden Case

Final Action: 12/19/2017

Minute Book Number: MB2017-478

Title:

Acknowledge receipt of Judgment from the Forrest County Special Court of Eminent Domain in Civil Action No. CO17-0984, City of Hattiesburg v. Stephen R. Dryden, Mary C. Dryden and New Growth LLC; Authorize issuance of manual check in accordance with judgment.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-9

Sponsors:

Enactment Date:

Attachments: Judgment CO17-0984

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Sharon Waits

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017	Acknowledge				Pass

Action Text: A MOTION was made by Council Member George and seconded by Council Member Brown to Acknowledge receipt of Judgment from the Forrest County Special Court of Eminent Domain in Civil Action No. CO17-0984, City of Hattiesburg v. Stephen R. Dryden, Mary C. Dryden and New Growth LLC; Authorize issuance of manual check in accordance with judgment.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 3 - George, Carroll and Brown

Nays: 0

Abstain: 1 - Delgado

Recuse: 1 - Dryden

Council Vice President Dryden returned to the room following the vote.

Yea:	3	Council Member George
		Council President Carroll
		Council Member Brown
Abstain:	1	Council Member Delgado
Recuse:	1	Council Vice President Dryden

Text of Legislative File 2017-929

Title

Acknowledge receipt of Judgment from the Forrest County Special Court of Eminent Domain in Civil Action No. CO17-0984, City of Hattiesburg v. Stephen R. Dryden, Mary C. Dryden and New Growth LLC; Authorize issuance of manual check in accordance with judgment.

Summary

Acknowledge receipt of Judgment from the Forrest County Special Court of Eminent Domain in Civil Action No. CO17-0984, City of Hattiesburg v. Stephen R. Dryden, Mary C. Dryden and New Growth LLC; Authorize issuance of manual check in accordance with judgment.

Budget Information

075695.7220.99

IN THE SPECIAL COURT OF EMINENT DOMAIN
FORREST COUNTY, MISSISSIPPI

CITY OF HATTIESBURG, MISSISSIPPI,
A MUNICIPAL CORPORATION

PLAINTIFF

VERSUS

CIVIL ACTION NO. CO17-0984

STEPHEN R. DRYDEN;
MARY C. DRYDEN, and
NEW GROWTH, LLC.

DEFENDANTS

FILED

DEC 06 2017

CLERK
FORREST COUNTY CIRCUIT CLERK

JUDGMENT

In this cause, Plaintiff, City of Hattiesburg, Mississippi, a municipal corporation, filed a Complaint to Condemn on September 22, 2017 to acquire certain property described in Exhibits "A" and "B" attached hereto and incorporated herein. The Court finds that process was served according to law and all parties are before the Court, and that the Court has jurisdiction over the parties and the subject matter.

This cause came on to be heard on the 6th day of December, 2017. The Court called this matter for hearing and counsel for Plaintiff made an appearance on behalf of Plaintiff.

At the request of Plaintiff, this matter was submitted to the Court pursuant to §11-27-13, Mississippi Code of 1972, Annotated, without a jury. The Court called on Plaintiff to provide testimony concerning the value of the property in question and public use thereof. Plaintiff, having filed a Statement of Value in this cause, offered testimony in support of said value.

CERTIFIED A TRUE COPY

Forrest County, Mississippi

Gwen Wilks, Circuit Clerk

This the 6th day of December, 2017

of just compensation that would be due Defendants as a result of this condemnation. Defendants, having filed no Statement of Value, offered no evidence as to the amount of just compensation due.

The Court finds that an Entry of Appearance and Disclaimer was filed by New Growth, LLC, and said Defendant is no longer a necessary party hereto.

The Court, having heard and considered the testimony offered in this matter, FINDS, ADJUDICATES AND ORDERS as follows:

1. That the amount of just compensation due Defendants for the taking of Defendants' property as described in Exhibit "A" attached hereto is \$25,000.00, which is the total amount due inclusive of all interest, and that the subject property is being acquired by Plaintiff for a public use.

2. Based upon the testimony provided to the Court, the Court directs the Clerk, upon receipt of all compensation from Plaintiff, to disburse all such funds to Stephen R. Dryden and Mary C. Dryden, by a check naming Stephen R. Dryden and Mary C. Dryden, as Payees without further Order of this Court.

3. That this Court does hereby vest title and possession to the property described in Exhibits "A" and "B" in Plaintiff, and it may be appropriated to the public use as prayed for in the Complaint; let Plaintiff pay the costs, for which execution may issue.

4. That the Chancery Clerk of Forrest County, Mississippi, is hereby ordered to cancel that certain Lis Pendens Notice filed in Lis Pendens Book 11 at Page 197.

5. That a copy of this Judgment shall be certified and filed in the Land Deed records of the Chancery Clerk's office of Forrest County, Mississippi and be enrolled according to law.

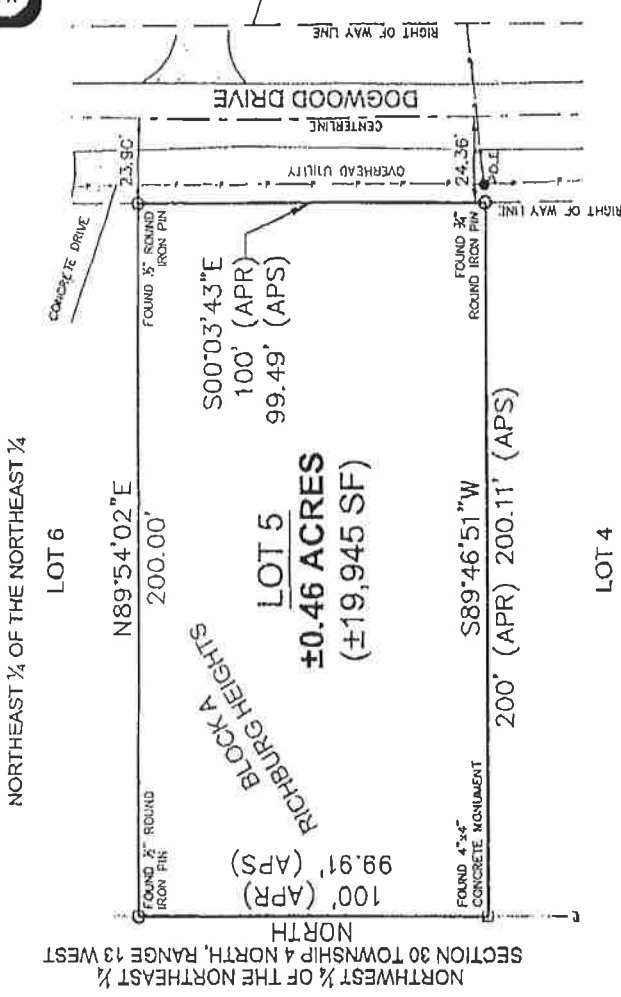
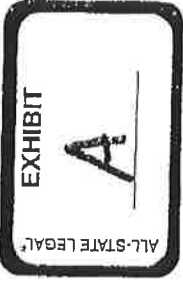
SO ORDERED AND ADJUDGED on this, the 6th day of December, 2017.



HONORABLE MICHAEL W. MCPHAIL,
JUDGE, SPECIAL COURT OF EMINENT DOMAIN

Prepared and Submitted by:

Jack H. Pittman
MSB#04394
Pittman Law Firm
P. O. Drawer 17138
Hattiesburg, MS 39404
(T) 601-264-3314
(F) 601-261-3411



LEGEND

APR - AS PER RECORD
APS - AS PER SURVEY
BK - BOOK
PG - PAGE
SF - SQUARE FEET

SEPTEMBER 12, 2016

SCALE: 1" = 40'

JUDGED TO BE A CLASS 'B' SURVEY
SURVEYED TO CLASS 'B'

BEARINGS ARE BASED ON THE RECORD BEARING OF
THE WEST LINE OF LOT 5, BLOCK A, RICHBURG
HEIGHTS SUBDIVISION, FORREST COUNTY, MISSISSIPPI

REFERENCE MATERIALS

FORREST COUNTY TAX MAP

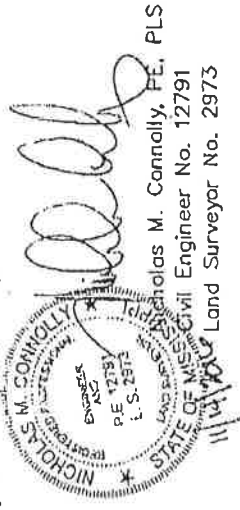
RICHBURG HEIGHTS SUBDIVISION PLAT
BK 8 PG 57 08-21-1958

WARRANTY DEED
BK 700 PG 4 10-21-1993

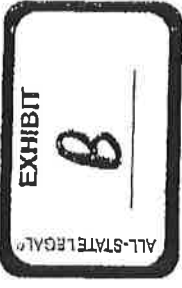
State of Mississippi
County of Forrest
City of Hattiesburg

This is Certify that I have made a survey of the following described parcel.

All of Lot 5 of Block 'A' of Richburg Heights Subdivision, City of Hattiesburg, County of Forrest, State of Mississippi as per Map or Plat thereof on file in the Office of the Chancery Clerk of said Forrest County, and comprising 0.49 Acres (19,945 Square Feet), more or less.



sdw



State of Mississippi
County of Forrest
City of Hattiesburg

This is Certify that I have made a survey of the following described parcel.

All of Lot 5 of Block 'A' of Richburg Heights Subdivision, City of Hattiesburg, County of Forrest, State of Mississippi as per Map or Plat thereof on file in the Office of the Chancery Clerk of said Forrest County, and comprising 0.49 Acres (19,945 Square Feet), more or less.

Nicholas M. Connolly, PE, PLS
Civil Engineer No. 12791
Land Surveyor No. 2973



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-936

File ID: 2017-936

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester: Ann Jones

File Created: 12/13/2017

Brief Title: Appointment of Director of Engineering

Final Action: 12/19/2017

Minute Book Number: MB2017-478-479

Title:

Adopt a Resolution appointing Lamar Rutland as Director of Engineering for the City of Hattiesburg.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-10

Sponsors:

Enactment Date:

Attachments: RES - L. Rutland, City Engineer, 12-19-17, Applicant - Rutland, Lamar - 7_6_2017_, Lamar Rutland 070617_, RES#2017-193, executed RES - L. Rutland, City Engineer, 12-19-17

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Ann Jones

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	12/18/2017					
1	City Council Action Text: Adopt	12/19/2017	Adopt				Pass
		Yea: 5	Council Member George Council Member Delgado Council President Carroll Council Vice President Dryden Council Member Brown				

Text of Legislative File 2017-936

Title

Adopt a Resolution appointing Lamar Rutland as Director of Engineering for the City of

Hattiesburg.

Summary

Resolution

Budget Information

Expenditure Type

Purchasing Item

Publication Information

**RESOLUTION
APPOINTING DIRECTOR OF ENGINEERING
FOR CITY OF HATTIESBURG**

WHEREAS, Section 21-8-23 of the Mississippi Code of 1972, as annotated and amended, provides that a department director shall be appointed by the Mayor of the City of Hattiesburg, Mississippi, and confirmed by an affirmative vote of a majority of the City Council present and voting; and,

WHEREAS, Lamar Rutland is appointed by the Mayor and is recognized by the Council as a qualified and proper person to fulfill the duties of the Director of Engineering;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HATTIESBURG:

Section 1. That Lamar Rutland be and is hereby confirmed to serve as Director of Engineering to fulfill the duties as defined by Section 21-8-23 of the Mississippi Code of 1972 as annotated and amended.

Section 2. That public interest and necessity requiring same, this Resolution shall become effective immediately.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member _____, seconded by Council member _____, and adopted by the following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, A.D., 2017.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, A.D., 2017.

ATTEST:

APPROVED:

CITY CLERK

MAYOR



City of Hattiesburg

Application for Employment

GENERAL NOTICE

The City of Hattiesburg is an equal opportunity employer and does not discriminate on the basis of race, color, national origin, sex, religion, age and disability in employment. This application is valid for 180 days (6 months) from the date of submission. If you wish to be considered for employment will be required to present verification of employment eligibility as required by the Immigration Reform and Control Act. All applicants offered a position with the City of Hattiesburg will be required to successfully pass a drug/alcohol test before the offer of employment is confirmed.

GENERAL INFORMATION

Position Title *

Director

Department *

Engineering

Today's Date

7/6/2017

History with City? *

Have you ever worked for the City before?

Yes

If Yes, when?

07/06/2017

Applied Before? *

Have you ever applied with the City before

Yes

If Yes, when?

01/2014

Any Relatives? *

Do you have relatives working for the City?

No

Job Listing

How did you learn of the position(s) you have applied for?

☐ Walk-in

☐ Newspaper

☐ Job Line

☒ Friend

☐ Relative

☐ Employment Agency

☐ Web Page

☐ other

Hours Will Work:

☒ Full Time ☐ Part Time

Shift Will Work:

☒ Day Shift ☐ Night Shift ☐ Rotating Day/Night Shift

PERSONAL INFORMATION:

Last Name *

Rutland

First Name *

Lamar

Middle Initial

Address *

3202 Price George Rd

Street Address

Address Line 2

Hattiesburg

City

39402

Postal / Zip Code

ms

State / Province / Region

USA

Country

Email

Phone Number *

601-545-4540

Proximity to City *

Do you live within the city limits of Hattiesburg?

Yes

Over 18? *

Are you over 18 years of age?

Yes

If no, employment is subject to verification that you are of minimum legal age.

Other Last Name

List any other name used while employed that is different from the name on this application (i.e.: maiden)

Drivers's License *

Do you have a valid driver's license?

Yes

Type of License

What type of license is this?

Regular

License Class

What is the license Class?

R

License Information**License Number**

802259036

Issuing State

ms

Expiration Date

10/14/2018

Prior Felony Convictions *

Have you been convicted of a felony? Remember, a conviction Includes those offenses that you didn't have to serve jail time but just paid a fine.

☐ Yes☒ No

If falsified, your employment will be terminated.

**Prior Misdemeanor
Convictions ***

Other than minor traffic offenses, have you been convicted of a misdemeanor? Remember, a conviction Includes those offenses that you didn't have to serve jail time but just paid a fine.

☐ Yes☒ No

If falsified, your employment will be terminated.

Education Record**Type of School ***

- ☐ High School
- ☐ Business/Trade
- ☒ College
- ☐ Post Graduate
- ☐ GED/Other

School Name & Address**Christian Brothers
University****# of years Type of Degree**

5

**Bachelor of
Science****Major****Civil Engineering****Attach Resume**

Lamar Rutland 070617.pdf

123.2KB

Employment History**Please list all previous employments. List Most Recent Employer FIRST. Click on Add to add additional Employments.****Date Started**

7/21/2014

Date Ended 7/5/2017

Begin Pay 80,000

End Pay 80,000

Employer Name City of Hattiesburg

Employer Address 212 W Front St. Hattiesburg Ms

Job Title Dir of Engineering

Description of Duties See attached

Supervisor's Name Johnny L. DuPree

Supervisor's Work Phone # 601-545-4503

Reason for Leaving unknown

Date Started 5/24/2010

Date Ended 7/18/2014

Begin Pay 47,000

End Pay 80,000

Employer Name U.S. Army Corps of Engineers

Employer Address 4155 Clay St.

Job Title Civil Engineer

Description of Duties See attached

Supervisor's Name James Harper

Supervisor's Work Phone # unknown

Reason for Leaving Moved home

Date Started 6/2/2008

Date Ended 5/21/2010

Begin Pay 45,000

End Pay 45000

Employer Name Allen and Hoshall

Employer Address 1661International Dr.

Job Title Civil Engineer

Description of Duties See attached

Supervisor's Name Robert Cochran

Supervisor's Work Phone # 9018200820

Reason for Leaving new oppertunities

Current Employer * [May we contact your current employer?](#)

☐ Yes

☒ No

Previous Employer *

May we contact your previous employers?

- ☒ Yes
☐ No

Additional Skills

In addition to your work history, what additional knowledge, skills, or abilities do you possess which you would like to be considered?

Ninja Skills

Personal References**List 3 Personal References****Name & Occupation ***

Johnny DuPree

Address *

Main St.

Phone # *

601-520-8500

Name & Occupation *

Toby Barker

Address *

unknown

Phone # *

601-307-3802

Name & Occupation *

Ann Jones

Address *

unknown

Phone # *

601-297-8903

APPLICANT'S CERTIFICATION AND AGREEMENT

PLEASE READ CAREFULLY

I hereby declare the information provided by me in this application is true and complete, and I understand that falsification of this information is grounds for refusal to hire or, if hired, cause for termination. I authorize any of the persons or organizations referenced in this application or any attached employment listing, to give the City of Hattiesburg all information concerning my previous employment, education, or any other information they might have, personal or otherwise, with regard to any of the subjects covered by this application, and I release all such parties from all liability for any damage which may result from furnishing such information to the City of Hattiesburg.

In consideration for my employment with the City of Hattiesburg, I agree to conform to the rules and regulations as set forth in the City of Hattiesburg's employee handbook and acknowledge that these rules and regulations may be changed, interpreted, withdrawn, or be added to by the City of Hattiesburg at any time, at the City's sole option and without any prior notice to me.

I further acknowledge that if I am employed by the City of Hattiesburg, my employment will be at will, and may be terminated with or without cause at any time by me or by the City of Hattiesburg.

I understand that no representative of the City of Hattiesburg has any authority to enter into any agreement for employment for any specified period of time or to assure any benefits or terms and conditions of employment other than those set forth in the employee handbook, either prior to commencement of employment or after I have become employed.

Please Read, Sign and Submit this Form! I understand falsification of information on this application is grounds for refusal to hire, or if hired, may be cause for termination. This includes, but is not limited to, my prior employment history, my felony or misdemeanor convictions and my current address (Place of Residence). I certify the information I have entered on my application for employment is true and accurate to the best of my knowledge.

Date

7/6/2017

Signature of Applicant

Lamar Rutland

Lamar C. Rutland, P.E.

3202 Price George Rd

Hattiesburg, MS 39402

Cell (601) 606-9766

Email: rutlandl@gmail.com

PROFESSIONAL PROFILE

- ❑ History of diverse background in Civil Engineering focusing on Construction and Design.
- ❑ Expertise encompasses project design, construction oversight and construction administration to include project financial responsibility.
- ❑ Exceptional technical and quantitative skills balanced by interpersonal communication and leadership skills.
- ❑ Proficient at using both creative and conventional approaches to problem solving.
- ❑ Reputation for diligence, follow-through and dedication to quality outcomes.

EDUCATION

- Bachelor of Science in Civil Engineering, *Christian Brothers University* **2007**
- Professional Engineer (PE) **2013**

EXPERIENCE

City of Hattiesburg, Hattiesburg , MS

2014 – Present

Director of Engineering

- Serve in project engineer/project manager role to insure projects are designed and constructed to meet the needs of the City while minimizing the disruption to the Citizens.
- Duties include compliance and cooperation with several state and federal agencies to ensure compliance.
- Manage a yearly operations budget of over \$400,000 and oversee a project budget of over \$25 Million
- Manage a staff of over 7 people.

U.S Army Corps of Engineers, Vicksburg, MS

2010 – 2014

Civil Engineer

- Serve in project engineer/project manager role to insure contract compliance by review of construction submittals, requests for information, project payment and contractor proposals on various projects.
- Served as Chief of the Delta Mat Casting Field 9 Million dollar project. Managed several other employees to ensure contract compliance.
- Served as designer of record on Mississippi River seepage control projects. Responsible for final design and project specifications.
- Currently on assignment to Vicksburg District Leadership Development Program.

Allen and Hoshalll, Memphis, TN

2009 - 2010

Testing Coordinator / Records Keeper

- Served as Project Engineer on 7 miles of highway project. Utilized project manager software to monitor material quantities and compile project estimates.
- Served as a Project Engineer on demolition and reconstruction of runway. Responsible for record keeping on material testing and calculating contractor quantities.

Engineer 1

2008 - 2009

- Performed site drainage calculations, site layout and prepared developmental packages for several projects.

Wink Companies,LLC D'Iberville, MS

2007 - 2008

Engineer I-

- Responsible for project management of all construction projects and civil and structural design.
- Served as site engineer for 7 million dollar marina. Conducted daily visits to ensure compliance with plans and specifications.
- Assisted in the design of 1.5 miles of roadway reconstruction and performed a traffic and drainage study.
- Assisted in the design and permitting of a 100 acre subdivision.

**RESOLUTION
APPOINTING DIRECTOR OF ENGINEERING
FOR CITY OF HATTIESBURG**

WHEREAS, Section 21-8-23 of the Mississippi Code of 1972, as annotated and amended, provides that a department director shall be appointed by the Mayor of the City of Hattiesburg, Mississippi, and confirmed by an affirmative vote of a majority of the City Council present and voting; and,

WHEREAS, Lamar Rutland is appointed by the Mayor and is recognized by the Council as a qualified and proper person to fulfill the duties of the Director of Engineering;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HATTIESBURG:

Section 1. That Lamar Rutland be and is hereby confirmed to serve as Director of Engineering to fulfill the duties as defined by Section 21-8-23 of the Mississippi Code of 1972 as annotated and amended.

Section 2. That public interest and necessity requiring same, this Resolution shall become effective immediately.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member Delgado, seconded by Council member Dryden, and adopted by the following vote, to-wit:

YEAS: George
Delgado
Carroll
Dryden
Brown

NAYS: None

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, A.D., 2017.

(SEAL)

ATTEST:


CLERK OF COUNCIL

ADOPTED:

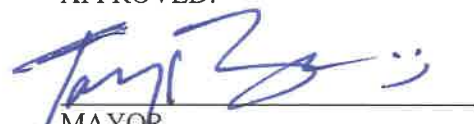

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, A.D., 2017.

ATTEST:


CITY CLERK

APPROVED:


MAYOR



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-941

File ID: 2017-941

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 12/18/2017

Brief Title: Ad valorem tax exemption to Excel Injection Molding

Final Action: 12/19/2017

Minute Book Number: MB2017-479

Title:

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Excel Injection Molding, Inc. for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending on December 31, 2026, with a true total value of \$ 476,385.50 or the amount approved by the Mississippi Department of Revenue.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-11

Sponsors:

Enactment Date:

Attachments: ADP Letter-Excel, Excel Reso-2017, County Statement Statement-Excel, 2017-Excel App, RES#2017-194, executed Excel Reso-2017

Enactment Number:

Contact:

Meeting Date:

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	12/18/2017					
1	City Council	12/19/2017	Adopt				Pass
	Action Text: Adopt						
			Yea: 5	Council Member George Council Member Delgado Council President Carroll Council Vice President Dryden Council Member Brown			

Text of Legislative File 2017-941

Title

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Excel Injection Molding, Inc. for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending on December 31, 2026, with a true total value of \$ 476,385.50 or the amount approved by the Mississippi Department of Revenue.

Summary

Ad valorem tax exemption to Excel Injection Molding.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMORANDUM

To: City Council, City of Hattiesburg, Mississippi

Date: August 1, 2017

From: Markus Simmons

RE: Excel Injection Molding, Inc.

We greatly appreciate the opportunity to review the Ad Valorem Tax Exemption application for Excel Injection Molding, Inc. located at 977 Sullivan Drive, Hattiesburg, Forrest County, MS. Upon further review by the Area Development Partnership (ADP) economic development staff, the request appears to be in order and warrants a strong consideration by the City Council. As businesses maneuver through today's economy, we must work diligently to ensure that we continue to provide a pro-business operating environment for existing businesses and for those we try to recruit.

Excel Injection Molding, Inc. is applying for a 10-year Ad Valorem Tax Exemption to be exempt from all non-educational ad valorem taxes of the City of Hattiesburg for a period of 10 years for an expansion completed 12/31/2016. The total employment for the company in December 2016 is approximately 60. The total value of the personal property to be exempted is \$476,385.50. Excel Injection Molding, Inc. is a start-up polymers and plastics company headquartered here in Hattiesburg. Again, we are in favor of this exemption and certainly appreciate your consideration.

**RESOLUTION OF THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES**

The City Council next took up for consideration the matter of the application of Excel Injection Molding . for exemption from ad valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG,
MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES
TO EXCEL INJECTION MOLDING AS AUTHORIZED BY
SECTION 27-31-105 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.**

WHEREAS, Excel Injection Molding on May 22, 2017 filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, Excel Injection Molding, has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personality in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit "A" to the Application filed with this Council (a copy of Exhibit "A" is attached to this Resolution and incorporated by reference); and that Excel Injection Molding is entitled to the exemption sought for a period of 5 years, all subject to approval and certification by the Mississippi Department of Revenue.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by Excel Injection Molding for a consecutive period of five (5) years from December 31, 2017 through December 31, 2021, as allowed by Section 27-31-105, Mississippi Code of 1972 as amended, as shown and described in Exhibit "A", be and the same is hereby approved, subject to approval and certification by the Mississippi Department of Revenue.

Section 2. That Excel Injection Molding is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit "A" for a period of five (5) years, commencing on 31st day of December, 2017, and ending on the 31st day of December, 2021 with a total true value of \$476,385.50 or the amount approved by Mississippi Department of Revenue.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi Department of Revenue for its approval and certification; after receipt of certification from the Mississippi Department of Revenue a Final Order of the Council granting the

exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the Mississippi Department of Revenue and with the State Auditor's Office; and the Clerk of this Council shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that both the real and personal property as set forth in Exhibit "A" has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption periods only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member _____, seconded by Council member _____, and was adopted by the following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

POSITION STATEMENT OF TAX ASSESSOR

EXEMPTION OF REALTY AND/OR PERSONAL PROPERTY

TRADE NAME OF APPLICANT: EXCEL INJECTION MOLDING INC

LOCATION: 977 SULLIVAN DR PARCEL P7163

TYPE OF BUSINESS: INJECTION MOLDING

FINISHED PRODUCTS ARE: PLASTIC MOLDED PARTS

STATE THE ENUMERATION THIS APPLICATION IDENTIFIES WITH:

HAS THIS ENTERPRISE ENJOYED AN EXEMPTION PREVIOUSLY? YES

UNDER ANY OTHER TRADE NAME? NO

ANY OTHER LOCATION? NO

UNDER ANY OTHER OWNERSHIP? NO

NUMBER OF NEW JOBS 6 ESTIMATED ANNUAL PAYROLL \$ 235,000.00

EXEMPTION TO BE ON:

LAND:	(NO)	VALUE:\$
IMPROVEMENTS:	(NO)	VALUE:\$

PERSONAL PROPERTY:

FURN & FIX.	VALUE \$
MACH & EQUIP.	VALUE \$ 476,385.50
INVENTORY	VALUES
RAW MATERIALS	VALUE \$
WORK IN PROCESS	VALUE \$
PERSONAL PROPERTY TOTAL:	\$ 476,385.50
EXEMPTION TOTAL VALUE:	\$ 476,385.50

LAND AND IMPROVEMENTS:

OWNER OF LAND: EXCEL INJECTION MOLDING INC

OWNER OF IMPROVEMENTS: EXCEL INJECTION MOLDING INC

DATE OF IMPROVEMENTS: COMPLETED EXPANDED DECEMBER 31, 2016

ANY PRIOR EXEMPTION: YES

YEARS OF EXEMPTION APPLIED FOR: 2017 THRU 2021

APPLICANT'S REPRESENTATIVE: JOHN M ROBINSON

ADDRESS: 118 J M TATUM INDUST. DR, H'BURG, MS 39401 PHONE: 601-544-6133

INVESTIGATED BY: BRUCE TEMPLETON

COMMENTS:

DATE: JUNE 5, 2017 TAX ASSESSOR: MARY ANN PALMER

APPLICATION FOR AD VALOREM TAX EXEMPTION

AS AUTHORIZED BY SECTION 27-31-101, et seq., MISSISSIPPI CODE OF 1972, AS AMENDED

NAME OF ENTERPRISE EXCEL INJECTION MOLDING, INC.
PHYSICAL ADDRESS 977 SULLIVAN DRIVE, HATTIESBURG, MS 39401
TYPE OF INDUSTRY MANUFACTURING PRODUCT/SERVICE PLASTIC MOLDING
LOCATION - COUNTY FORREST CITY HATTIESBURG
DATE OF COMPLETION 12/31/2016 YEARS REQUESTED 5
NEW (SECTION 27-31-101) EXPANSION (SECTION 27-31-105) X
NEW JOBS 6 ESTIMATED PAYROLL 235,000.00
TRUE VALUE OF PROPERTY EXEMPTED 476,385.50 *Attach an
itemized list of property to be exempted as Exhibit "A".

The applicant request that the Board approve this application by an order spread on its minutes declaring that the above property be exempt from all ad valorem taxation except school taxation for the period requested. The applicant further request that the application and certified approval of exemption be forwarded to the Department of Revenue and upon approval and certification by the Department, the Board enter a final order on its minutes granting the exemption. The above information is true and correct as certified by the applicant. This application is submitted on the 16th day of MAY, 2017.

By: Jennifer M. Robinson EXCEL INJECTION MOLDING, INC.
Title: SECRETARY/TREASURER Applicant (Name of Taxpayer)

ATTEST:

FILED

MAY 22 2017

BY [Signature] CITY CLERK
DEPUTY CLERK

**APPLICATION OF EXCEL INJECTION MOLDING, INC
FOR EXEMPTION FROM AD VALOREM TAXES
FOR A PERIOD OF TEN YEARS AS AUTHORIZED
BY SECTION 27-31-101, ET SEQ., OF THE
MISSISSIPPI CODE OF 1972, AS AMENDED**

**TO THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI**

1. **EXCEL INJECTION MOLDING, INC.**, files this its application in triplicate for exemption from ad valorem taxation, and respectfully represents unto the City Council of Hattiesburg, Mississippi, hereinafter referred to as the "City Council" as Follows:
2. Applicant, **Excel Injection Molding, Inc.**, is a Louisiana corporation authorized to do and doing business in the State of Mississippi, with offices located in the City of Hattiesburg, Forrest County, Mississippi.
3. Applicant is now operating as a plastic injection molding type of industry within the City of Hattiesburg, Forrest County, Mississippi, which manufacturing facility is a bona fide (new X expanded) enterprise of public utility within the meaning of Section 27-31-101, et seq., and related Section of the Mississippi Code of 1972, as amended, and is eligible for the exemption granted by the above mentioned section by specific enumeration, namely manufacturing.
4. That said expansion was completed on 31, day of December 2016, within the meaning of the applicable status of the State of Mississippi, and therefore, the exemption hereby claimed should commence on said date.
5. That said new enterprise will provide approximately 6 new jobs with an estimated annual payroll of \$235,000.00.
6. The said exemption of the tangible property described in Exhibit "A" should be granted for a period of ten years from December 31, 2016.
7. That the true value of all property to exempted is \$476,385.50 as shown in an itemized list attached hereto as Exhibit "A" and made a part hereof.

PRAYER

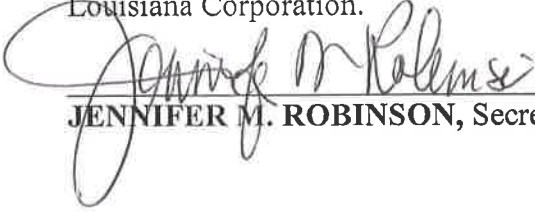
WHEREFORE, Applicant prays that the City Council enter a finding that Applicant's manufacturing facility is in fact a (____ new X expanded) enterprise and that the same was completed on the 31, day of December, 2016, within the meaning of the applicable laws of Mississippi and

That Applicant be granted an exemption from ad valorem taxation, except School District ad valorem taxation, as provided by law, for a period of ten years beginning on the 31st day of December, 2016, upon all of the tangible property described in Exhibit "A" attached hereto and made a part hereof, used in, or necessary to the operation of Applicant's manufacturing facility in the City of Hattiesburg, Forrest County, Mississippi; and

That the City Council approve this application by an order resolution spread upon its minutes declaring that such property is exempt from all ad valorem taxation, except School District ad valorem taxation, for a period of ten years and forward the original and three certified copies of this application and a certified transcript of such approval to the Mississippi State Tax commission and upon approval of such application by the said Mississippi State Tax Commission and certification of its approval, the City Council will enter a final order on its minutes granting the exemption herein prayed.

Respectfully submitted, this the 15th day of May, 2017.

EXCEL INJECTION MOLDING, INC., a
Louisiana Corporation.


JENNIFER M. ROBINSON, Secretary/Treasurer

STATE OF MISSISSIPPI
COUNTY OF FORREST

Personally appeared before me, the undersigned authority in and for said county and state, on this 15th day of May 2017, within my jurisdiction, the within named **JOHN M. ROBINSON**, who acknowledge that his President of **EXCEL INJECTION MOLDING, INC.** a Louisiana Corporation, that for and on behalf of the said corporation, and as its act and deed he executed the above and foregoing instrument, after having been duly authorized by said corporation so to do.



 (NOTARY PUBLIC)

**EXHIBIT A
EXCEL INJECTION MOLDING, INC.
BUILDING IMPROVEMENTS & EQUIPMENT
PURCHASED 2016 EXPANSION**

DATE	DESCRIPTION	AMOUNT
1/15/2016	55 MTS Milacron Press	\$ 56,200.00
1/15/2016	FARO Laser Edge CMM	62,400.00
5/5/2016	Sterling Hot Oil Unit	17,030.00
5/10/2016	140 MTs Milacron Press	67,005.00
8/5/2016	Standard Machine-Pad Printer	6,425.00
9/20/2016	Conair W25 Dryer	9,567.00
10/15/2016	310 MTs Milacron Press	149,921.00
11/23/2016	(2) Nelmor G1021M1 Grinders	13,000.00
12/12/2016	Mitsubishi Wire EDM	<u>94,837.50</u>
 TOTAL		 \$476,385.50

**RESOLUTION OF THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES**

The City Council next took up for consideration the matter of the application of Excel Injection Moldfng . for exemption from ad valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG,
MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES
TO EXCEL INJECTION MOLDING AS AUTHORIZED BY
SECTION 27-31-105 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.**

WHEREAS, Excel Injection Molding on May 22, 2017 filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, Excel Injection Molding, has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personality in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit "A" to the Application filed with this Council (a copy of Exhibit "A" is attached to this Resolution and incorporated by reference); and that Excel Injection Molding is entitled to the exemption sought for a period of 5 years, all subject to approval and certification by the Mississippi Department of Revenue.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by Excel Injection Molding for a consecutive period of five (5) years from December 31, 2017 through December 31, 2021, as allowed by Section 27-31-105, Mississippi Code of 1972 as amended, as shown and described in Exhibit "A", be and the same is hereby approved, subject to approval and certification by the Mississippi Department of Revenue.

Section 2. That Excel Injection Molding is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit "A" for a period of five (5) years, commencing on 31st day of December, 2017, and ending on the 31st day of December, 2021 with a total true value of \$476.385.50 or the amount approved by Mississippi Department of Revenue.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi Department of Revenue for its approval and certification; after receipt of certification from the Mississippi Department of Revenue a Final Order of the Council granting the

exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the Mississippi Department of Revenue and with the State Auditor's Office; and the Clerk of this Council shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that both the real and personal property as set forth in Exhibit "A" has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption periods only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member George, seconded by Council member Brown, and was adopted by the following vote, to-wit:

YEAS: George
Delgado
Carroll
Dryden
Brown

NAYS: None

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:


CLERK OF COUNCIL

ADOPTED:


PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:


CITY CLERK

APPROVED:


MAYOR



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-944

File ID: 2017-944

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 12/18/2017

Brief Title: Ad valorem tax exemption to Green Bay
Converting, Inc

Final Action: 12/19/2017

Minute Book Number: MB2017-479

Title:

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Green Bay Converting, Inc. for a period not to exceed ten (10) years, commencing December 31, 2017 and ending December 31, 2026, with a true total value of \$1,561,338.30 or the amount approved by the Mississippi Department of Revenue.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-12

Sponsors:

Enactment Date:

Attachments: Green Bay Reso, County Statement-Green Bay, 2017
Green Bay App, Green Bay- ADP 2017,
RES#2017-195, executed Green Bay Reso

Enactment Number:

Contact:

Meeting Date:

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	12/18/2017					
1	City Council Action Text: Adopt	12/19/2017	Adopt				Pass
			Yea: 5	Council Member George Council Member Delgado Council President Carroll Council Vice President Dryden Council Member Brown			

Text of Legislative File 2017-944

Title

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Green Bay Converting, Inc. for a period not to exceed ten (10) years, commencing December 31, 2017 and ending December 31, 2026, with a true total value of \$1,561,338.30 or the amount approved by the Mississippi Department of Revenue.

Summary

Ad valorem tax exemption to Green Bay Converting, Inc.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

**RESOLUTION OF THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES**

The City Council next took up for consideration the matter of the application of Green Bay Converting for exemption from ad valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG,
MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES
TO GREEN BAY CONVERTING COMPANY AS AUTHORIZED BY
SECTION 27-31-105 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.**

WHEREAS, Green Bay Converting on May 24, 2017 filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, Green Bay Converting, has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personality in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit "A" to the Application filed with this Council (a copy of Exhibit "A" is attached to this Resolution and incorporated by reference); and that Green Bay Converting is entitled to the exemption sought for a period of 10 years, all subject to approval and certification by the Mississippi Department of Revenue.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by Green Bay Converting for a consecutive period of ten (10) years from December 31, 2016 through December 31, 2025, as allowed by Section 27-31-105, Mississippi Code of 1972 as amended, as shown and described in Exhibit "A", be and the same is hereby approved, subject to approval and certification by the Mississippi Department of Revenue.

Section 2. That Green Bay Converting is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit "A" for a period of ten (10) years, commencing on 31st day of December, 2016, and ending on the 31st day of December, 2025 with a total true value of \$1,561,338.00 or the amount approved by Mississippi Department of Revenue.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi Department of Revenue for its approval and certification; after receipt of certification from the Mississippi Department of Revenue a Final Order of the Council granting the

exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the Mississippi Department of Revenue and with the State Auditor's Office; and the Clerk of this Council shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that both the real and personal property as set forth in Exhibit "A" has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption periods only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member _____, seconded by Council member _____, and was adopted by the following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

POSITION STATEMENT OF TAX ASSESSOR

EXEMPTION OF REALTY AND/OR PERSONAL PROPERTY

TRADE NAME OF APPLICANT: GREEN BAY CONVERTING INC.

LOCATION: 1400 JAMES STREET PARCEL P7162

TYPE OF BUSINESS: PAPER PRODUCTS MANUFACTURER

FINISHED PRODUCTS ARE: HOUSEHOLD PAPER PRODUCTS

STATE THE ENUMERATION THIS APPLICATION IDENTIFIES WITH: _____

HAS THIS ENTERPRISE ENJOYED AN EXEMPTION PREVIOUSLY? NO

UNDER ANY OTHER TRADE NAME? NO

ANY OTHER LOCATION? NO

UNDER ANY OTHER OWNERSHIP? NO

NUMBER OF NEW JOBS 0 ESTIMATED ANNUAL PAYROLL \$ 4,035,000.00

EXEMPTION TO BE ON:

LAND:	(NO)	VALUE:\$
IMPROVEMENTS:	(NO)	VALUE:\$

PERSONAL PROPERTY:

FURN & FIX.	VALUE \$
MACH & EQUIP.	VALUE \$ 1,561,338.00
INVENTORY	VALUES
RAW MATERIALS	VALUE \$
WORK IN PROCESS	VALUE \$

PERSONAL PROPERTY TOTAL: \$ 1,561,338.00

EXEMPTION TOTAL VALUE: \$ 1,561,338.00

LAND AND IMPROVEMENTS:

OWNER OF LAND: MISS KC LLC

OWNER OF IMPROVEMENTS: MISS KC LLC

DATE OF IMPROVEMENTS: COMPLETED N/A EXPANDED 12-31-16

ANY PRIOR EXEMPTION: NO

YEARS OF EXEMPTION APPLIED FOR: 2017 THRU 2021

APPLICANT'S REPRESENTATIVE: THOMAS B. GILLING

ADDRESS: 1400 JAMES ST. HATTIESBURG, MS 39401 PHONE: _____

INVESTIGATED BY: BRUCE TEMPLETON

COMMENTS: _____

DATE: June 5, 2017 TAX ASSESSOR: MARY ANN PALMER

APPLICATION FOR AD VALOREM TAX EXEMPTION

AS AUTHORIZED BY SECTION 27-31-101, et seq.
MISSISSIPPI CODE OF 1972, AS AMENDED

NAME OF ENTERPRISE GREEN BAY CONVERTING, INC.
PHYSICAL ADDRESS 1400 JAMES STREET, HATTIESBURG, MS 39401
TYPE OF INDUSTRY MANUFACTURING PRODUCT/SERVICE TISSUE & TOWELS
LOCATION - COUNTY FORREST CITY HATTIESBURG
DATE OF COMPLETION 12/31/16 YEARS REQUESTED 10
NEW (SECTION 27-31-101) _____ EXPANSION (SECTION 27-31-105) X
NEW JOBS 0 (cumulative 100 F/T and 18 Temp) ESTIMATED PAYROLL \$4,035,000
TRUE VALUE OF PROPERTY EXEMPTED \$1,561,338

*Attach an itemized list of property to be exempted as Exhibit "A".

The applicant request that the City Council approve this application by an order spread on its minutes declaring that the above property be exempt from all ad valorem taxation except school taxation for the period requested. The applicant further request that the application and certified approval of exemption be forwarded to the State Tax Commission and upon approval and certification by the Commission, the City Council enter a final order on its minutes granting the exemption. The above information is true and correct as certified by the applicant.

This application is submitted on the 22nd day of May, 2017.

GREEN BAY CONVERTING, INC.

Applicant (Name of Taxpayer)

By: _____

Title: CHIEF FINANCIAL OFFICER

ATTEST:



**APPLICATION OF GREEN BAY CONVERTING, INC
FOR EXEMPTION FROM AD VALOREM TAXES
FOR A PERIOD OF TEN YEARS AS AUTHORIZED
BY SECTION 27-31-101, ET SEQ., OF THE
MISSISSIPPI CODE OF 1972, AS AMENDED.**

**TO THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI**

1. **GREEN BAY CONVERTING, INC.**, files this its application in triplicate for exemption from ad valorem taxation, and respectfully represents unto the City Council of Hattiesburg, Mississippi, hereinafter referred to as the "City Council" as follows:
2. Applicant, **Green Bay Converting, Inc.**, is a Wisconsin corporation authorized to do and doing business in the State of Mississippi, with offices located in-the City of Hattiesburg, Forrest County, Mississippi.
3. Applicant is now operating as a towel and tissue converter type of industry within the City of Hattiesburg, Forrest County, Mississippi, which manufacturing facility is a bona fide (new X expanded) enterprise of public utility within the meaning of Section 27-31-101, et seq., and related Sections of the Mississippi Code of 1972, as amended, and is eligible for the exemption granted by the above mentioned section by specific enumeration, namely manufacturing.
4. That said expansion was completed on the 31st day of December 2016 within the meaning of the applicable statutes of the State of Mississippi, and therefore, the exemption hereby claimed should commerce on said date.
5. That said enterprise continues to maintain approximately 100 cumulative F/T and 18 Temp jobs with an estimated annual payroll of \$4,035,000.

6. The said exemption of the tangible property described in Exhibit "A" should be granted for a period of ten years from December 31, 2016.
7. That the true value of all property to exempted is \$ 1,561,338 as shown in an itemized list attached hereto as Exhibit "A" and made a part hereof.

PRAYER

WHEREFORE, Applicant prays that the City Council enter a finding that Applicant's manufacturing facility is in fact a (new X expanded) enterprise and that the same was completed on the 31st day of December, 2016, within the meaning of the applicable laws of Mississippi; and

That Applicant be granted an exemption from ad valorem taxation, except School District ad valorem taxation, as provided by law, for a period of ten years beginning on the 31st day of December, 2016, upon all of the tangible property described in Exhibit "A" attached hereto and made a part hereof, used in, or necessary to the operation of Applicant's manufacturing facility in the City of Hattiesburg, Forrest County, Mississippi; and

That the City Council approve this application by an order resolution spread upon its minutes declaring that such property is exempt from all ad valorem taxation, except School District ad valorem taxation, for a period of ten years and forward the original and three certified copies of this application and a certified transcript of such approval to the Mississippi State Tax commission and upon approval of such application by the said Mississippi State Tax Commission and certification of its approval, the City Council will enter a final order on its minutes granting the exemption herein prayed.

Respectfully submitted, this the 22nd day of May, 2017.

GREEN BAY CONVERTING, INC.

Wisconsin Corporation

By: _____

STATE OF TEXAS

COUNTY OF DALLAS

PERSONALLY approved before me, the undersigned authority in and for said county and state, on this 22 day of May, 2017, within my jurisdiction, the within named **JOHN OLSEN**, who acknowledged that he is the Chief Financial Officer of **GREEN BAY CONVERTING, INC.**, a Wisconsin Corporation, that for and on the behalf of the said corporation, and as its act and deed he executed the above and foregoing instrument, after first having been duly authorized by said corporation so to do.



(NOTARY PUBLIC)

EXHIBIT A
GREEN BAY CONVERTING, INC.
BUILDING IMPROVEMENTS & EQUIPMENT
PURCHASED 2016 EXPANSION

DATE	DESCRIPTION	AMOUNT
1/29/2016	Break room phase 2, storage area phase 4	\$89,302
2/12/2016	Break Room phase 2, wall phase 7,storage area phase 4, tables/desk	154,967
2/26/2016	Air Compressor 75 HP Elgi	24,250
3/3/2016	Sprinkler system phase 9, Phase 10 - Fire Alarm	26,000
3/4/2016	Phase 6 - Exhaust Fans Warehouse	73,295
3/4/2016	610 Accumulator	50,624
4/1/2016	Build walls around motor phase 12-A, Lockers for employees	63,830
4/15/2016	Break room phase 2, existing office/bathroom phase 3, fans phase 6	221,038
4/29/2016	Existing office phase 1 , outdoor smoking phase 5, fire alarm phase 10	154,030
5/10/2016	10 Exit Lights F/Emergency Exit/Fixtures	40,860
5/11/2016	Phase 1, exterior wall office, bathroom phase 3, roof A/C phase 8	119,560
6/8/2016	Electrical upgrades phases 1-3, desks, outdoor smoking phase 5	43,540
6/22/2016	DP 417 Log Saw	324,280
6/30/2016	Computers -servers, laptops, desktops	34,382
6/30/2016	Security System, Wireless Internet	25,082
8/25/2016	Wireless Access Points	28,403
8/25/2016	Parking Lot Light Poles and Light Fixtures for Employee	13,950
10/20/2016	Dock Doors	26,447
11/30/2016	Upgrade Chains	26,372
12/20/2016	Wiper Elevator & Overhead Conveyor	21,126
	TOTAL	\$1,561,338

MEMORANDUM

To: City Council, City of Hattiesburg, Mississippi

Date: August 1, 2017

From: Markus Simmons

RE: Green Bay Converting, Inc.

We greatly appreciate the opportunity to review the Ad Valorem Tax Exemption application for Green Bay Converting, Inc. located at 1400 James Street, Hattiesburg, Forrest County, MS. Upon further review by the Area Development Partnership (ADP) economic development staff, the request appears to be in order and warrants a strong consideration by the City Council. As businesses maneuver through today's economy, we must work diligently to ensure that we continue to provide a pro-business operating environment for existing businesses and for those we try to recruit.

Green Bay Converting, Inc. is applying for a 10-year Ad Valorem Tax Exemption to be exempt from all non-educational ad valorem taxes of the City of Hattiesburg for a period of 10 years for an expansion completed 12/31/2016. The total employment for the company in December 2016 is approximately 120. The total value of the personal property to be exempted is \$1,561,338.00. Green Bay Converting, Inc. has established a nice operation in the Baldwin Transfer Building and continues to invest in this facility and our community. Again, we are in favor of this exemption and certainly appreciate your consideration.

**RESOLUTION OF THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES**

The City Council next took up for consideration the matter of the application of Green Bay Converting for exemption from ad valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG,
MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES
TO GREEN BAY CONVERTING COMPANY AS AUTHORIZED BY
SECTION 27-31-105 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.**

WHEREAS, Green Bay Converting on May 24, 2017 filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, Green Bay Converting, has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personality in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit "A" to the Application filed with this Council (a copy of Exhibit "A" is attached to this Resolution and incorporated by reference); and that Green Bay Converting is entitled to the exemption sought for a period of 10 years, all subject to approval and certification by the Mississippi Department of Revenue.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by Green Bay Converting for a consecutive period of ten (10) years from December 31, 2016 through December 31, 2025, as allowed by Section 27-31-105, Mississippi Code of 1972 as amended, as shown and described in Exhibit "A", be and the same is hereby approved, subject to approval and certification by the Mississippi Department of Revenue.

Section 2. That Green Bay Converting is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit "A" for a period of ten (10) years, commencing on 31st day of December, 2016, and ending on the 31st day of December, 2025 with a total true value of \$1,561,338.00 or the amount approved by Mississippi Department of Revenue.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi Department of Revenue for its approval and certification; after receipt of certification from the Mississippi Department of Revenue a Final Order of the Council granting the

exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the Mississippi Department of Revenue and with the State Auditor's Office; and the Clerk of this Council shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that both the real and personal property as set forth in Exhibit "A" has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption periods only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member George, seconded by Council member Dryden, and was adopted by the following vote, to-wit:

YEAS:

George
Delgado
Carroll
Dryden
Brown

NAYS:

None

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:


CLERK OF COUNCIL

ADOPTED:


PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:


CITY CLERK

APPROVED:


MAYOR



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-940

File ID: 2017-940

Type: Resolution

Status: Tabled

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 12/18/2017

Brief Title: Ad valorem exemption for Mar-JAc

Final Action:

Minute Book Number: TABLED - MB2017-47

Title:

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Mar-Jac Poultry MS, LLC for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending December 31, 2026, with a true total value of \$2,913,838.50 or the amount approved by the Mississippi Department of Revenue.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-13

Sponsors:

Enactment Date:

Attachments: Mar-Jac County Statement, Mar-Jac Resolution,
ADP-Mar-Jac, Mar-Jac App

Enactment Number:

Contact:

Meeting Date:

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	12/18/2017					
1	City Council	12/19/2017	Table				Pass

Action Text: A MOTION was made by Council Member George and seconded by Council Vice President Dryden to TABLE to Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Mar-Jac Poultry MS, LLC for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending December 31, 2026, with a true total value of \$2,913,838.50 or the amount approved by the Mississippi Department of Revenue.

There being no discussion, the Motion to Table received the affirmative vote of the Council as follows:

Yeas: 4 - George, Carroll, Dryden and Brown

Nays: 1 - Delgado

Yea: 4	Council Member George
	Council President Carroll
	Council Vice President Dryden
	Council Member Brown
Nay: 1	Council Member Delgado

Text of Legislative File 2017-940

Title

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Mar-Jac Poultry MS, LLC for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending December 31, 2026, with a true total value of \$2,913,838.50 or the amount approved by the Mississippi Department of Revenue.

Summary

Mar-Jac Ad Valorem Exemption.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

POSITION STATEMENT OF TAX ASSESSOR

EXEMPTION OF REALTY AND/OR PERSONAL PROPERTY

TRADE NAME OF APPLICANT: MAR-JAC POULTRY MS LLC

LOCATION: 1301 JAMES ST PARCEL P7164

TYPE OF BUSINESS: POULTRY PROCESSING PLANT

FINISHED PRODUCTS ARE: PROCESSED CHICKEN

STATE THE ENUMERATION THIS APPLICATION IDENTIFIES WITH: 27-31-105

HAS THIS ENTERPRISE ENJOYED AN EXEMPTION PREVIOUSLY? YES

UNDER ANY OTHER TRADE NAME? YES

ANY OTHER LOCATION? NO

UNDER ANY OTHER OWNERSHIP? YES

NUMBER OF NEW JOBS N/A ESTIMATED ANNUAL PAYROLL

EXEMPTION TO BE ON:

LAND:	(NO)	VALUE:\$
IMPROVEMENTS:	(NO)	VALUE:\$

PERSONAL PROPERTY:

FURN & FIX.	VALUE \$
MACH & EQUIP.	VALUE \$ 2,913,838.50
INVENTORY	VALUES
RAW MATERIALS	VALUE \$
WORK IN PROCESS	VALUE \$

PERSONAL PROPERTY TOTAL:	\$ 2,913,838.50
EXEMPTION TOTAL VALUE:	\$ 2,913,838.50

LAND AND IMPROVEMENTS:

OWNER OF LAND: MAR-JAC POULTRY MS LLC & FORREST COUNTY

OWNER OF IMPROVEMENTS: MAR-JAC POULTRY MS LLC

DATE OF IMPROVEMENTS: COMPLETED N/A EXPANDED 12-31-2016

ANY PRIOR EXEMPTION: YES

YEARS OF EXEMPTION APPLIED FOR: 2017 THRU 2021

APPLICANT'S REPRESENTATIVE: K CONWAY

ADDRESS: 1301 JAMES ST, HATTIESBURG, MS 39401 PHONE: 601-544-3141

INVESTIGATED BY: BRUCE TEMPLETON

COMMENTS:

DATE: JUNE 5, 2017 TAX ASSESSOR: MARY ANN PALMER

**RESOLUTION OF THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES**

The City Council next took up for consideration the matter of the application of Mar-Jac . for exemption from ad valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG,
MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES
TO MAR-JAC AS AUTHORIZED BY
SECTION 27-31-105 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.**

WHEREAS, Mar-Jac on May 4, 2017 filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, Mar-Jac, has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personality in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit "A" to the Application filed with this Council (a copy of Exhibit "A" is attached to this Resolution and incorporated by reference); and that Mar-Jac is entitled to the exemption sought for a period of 5 years, all subject to approval and certification by the Mississippi Department of Revenue.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by Mar-Jac for a consecutive period of five (5) years from December 31, 2017 through December 31, 2021, as allowed by Section 27-31-105, Mississippi Code of 1972 as amended, as shown and described in Exhibit "A", be and the same is hereby approved, subject to approval and certification by the Mississippi Department of Revenue.

Section 2. That Mar-Jac is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit "A" for a period of five (5) years, commencing on 31st day of December, 2017, and ending on the 31st day of December, 2021 with a total true value of \$2,913.838.50 or the amount approved by Mississippi Department of Revenue.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi Department of Revenue for its approval and certification; after receipt of certification from the Mississippi Department of Revenue a Final Order of the Council granting the

exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the Mississippi Department of Revenue and with the State Auditor's Office; and the Clerk of this Council shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that both the real and personal property as set forth in Exhibit "A" has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption periods only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member _____, seconded by Council member _____, and was adopted by the following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

MEMORANDUM

To: City Council, City of Hattiesburg, Mississippi

Date: August 1, 2017

From: Markus Simmons

RE: Mar-Jac Poultry MS, LLC

We greatly appreciate the opportunity to review the Ad Valorem Tax Exemption application for Mar-Jac Poultry MS, LLC located at 1301 James Street, Hattiesburg, Forrest County, MS. Upon further review by the Area Development Partnership (ADP) economic development staff, the request appears to be in order and warrants a strong consideration by the City Council. As businesses maneuver through today's economy, we must work diligently to ensure that we continue to provide a pro-business operating environment for existing businesses and for those we try to recruit.

Mar-Jac Poultry MS, LLC is applying for a 10-year Ad Valorem Tax Exemption to be exempt from all non-educational ad valorem taxes of the City of Hattiesburg for a period of 10 years for an expansion completed 12/31/2016. The total employment for the company in December 2016 was approximately 975. The total value of the personal property to be exempted is \$2,913,838.50. Mar-Jac Poultry MS, LLC has made great strides to take a more active role in the community since purchasing the facility from Marshall Durbin in 2014. Again, we are in favor of this exemption and certainly appreciate your consideration.

APPLICATION TO THE CITY COUNCIL
OF
CITY OF HATTIESBURG, FORREST COUNTY, MISSISSIPPI

APPLICATION OF **MAR-JAC POULTRY MS LLC**
FOR EXEMPTION FROM
AD VALOREM TAXES FOR A PERIOD OF 5 YEARS AS AUTHORIZED BY
SECTION §27-31-105, et seq., OF THE
MISSISSIPPI CODE OF 1972, AS AMENDED

TO THE HONORABLE CITY COUNCIL, CITY OF HATTIESBURG, FORREST COUNTY, MISSISSIPPI:

Comes now **Mar-Jac Poultry MS LLC** (the "Applicant") and files this it's Application with copies in triplicate for exemption from ad valorem taxation, except school district taxes and the "mandated levies" described in Code Section §27-39-329 and respectfully represents unto the Honorable City Council, City of Hattiesburg, Forrest County, Mississippi as follows:

1. Applicants have negotiated in good faith with the City Council as to the ad valorem tax exemption authorized by Code Section §27-31-105 and related Code Sections.
2. Applicants are a Mississippi Corporation and domiciled in the City of Hattiesburg, Forrest County, Mississippi.
3. Applicants are now operating as an Integrated Poultry Producer in the City of Hattiesburg, Forrest County, Mississippi, which industry is a bona fide expanded enterprise of "public utility" within the meaning of Section §27-31-105 et seq., and related Sections of the Mississippi Code of 1972, as amended, which has made additions to or expansions of its facilities or properties or replacement of equipment used in connection with or necessary to the operation of such enterprise.
4. The Applicants are therefore eligible for the exemption granted by Code Section §27-31-105 as a manufacturing enterprise described in Code Section §27-31-101.
5. The exemption prayed for in this Application is with regard to additions to, expansions of, or replacements with respect to Applicant's said enterprise of "public utility" as enumerated in

Code Section §27-31-101 et seq., and related Sections of the Mississippi Code of 1972, as amended, and is eligible for exemption, namely Mississippi Code Annotated Section §27-31-105, which expansions, additions, and replacements will promote the industrialization of Mississippi, and will promote the development of the City of Hattiesburg, Forrest County, Mississippi.

6. Applicants have expanded and upgraded their facilities with additions and replacements during 2016. This Application relates to the additions and replacements (as listed in "Exhibit A" hereto) acquired as a result of such additions, expansions and replacements.

7. Applicants additions, expansions, and replacements, which are the subject of this Application, were completed within the meaning of the applicable statutes of the State of Mississippi on December 31, 2016. In accordance with the provisions of Code Section §27-31-105, the exemption hereby claimed should commence on the 1st day of January 2017.

8. The true value of all property to be exempted is \$ 2,913,838.50 as shown in the itemized list attached hereto as "Exhibit A" and made a part hereof.

9. The exemption from ad valorem taxation, except school district taxes and the "mandated levies", on the tangible property described in "Exhibits A" should be granted for a five (5) year period beginning on 1st day of January, 2017 and ending on the 31st day of December, 2021.

PRAYER

WHEREFORE, Applicants pray that this City Council, City of Hattiesburg, Forrest County, Mississippi, enter a finding that the Applicant has negotiated in good faith with the City Council as to the requested exemption; the Applicants have in fact undertaken an addition to, expansion of, or replacement with respect to an enterprise of "public utility"; and that the additions, expansions, and replacements were completed on December 31, 2016, and that the Applicants be granted an exemption, under Code Section §27-31-105, from ad valorem taxation, except school district ad valorem taxes and the "mandated levies" described in Code Section §27-39-329, as provided by law, for a ten-year period beginning on January 1, 2017, for the items of tangible property used in, or

necessary to the operation of the Applicants expanded enterprise in the County of Forrest, City of Hattiesburg, Mississippi and described in "Exhibit A" attached hereto; and

That this City Council, City of Hattiesburg, Mississippi, approve this Application by an Order of Resolution spread upon its minutes, declaring that such property is exempt from all ad valorem taxation, except school district ad valorem taxes and the "mandated levies", for a period of five (5) years and forward the original and three (3) copies of this Application and a certified transcript of such approval to the Mississippi Department of Revenue and that, upon approval of this Application by the Mississippi Department of Revenue and the issuance of its certificate of approval, the City Council, City of Hattiesburg, Forrest County, Mississippi, will enter a Final Order on its minutes granting the prayed for exemption and notify the County Tax Assessor of such exemption and obtain a certificate of the County Tax Assessor verifying the status of said property as non-taxable on the appropriate tax rolls.

Respectfully submitted, this the 4th day of May 2017.

APPLICANT:

MAR-JAC POULTRY MS LLC

By: K. Conway

Accty Mgr
Title

ATTEST: Christina Rollins

RESOLUTION GRANTING EXEMPTION

FROM AD VALOREM TAXES

The City Council, City of Hattiesburg, Forrest County, Mississippi, this day considered the matter of granting exemption from ad valorem taxes, except school district taxes, to Mar-lac Poultry MS LLC. The governing authority finds that the above named enterprise has submitted verification and documentation as to the authenticity and accuracy of the application in regard to the true value of the property to be exempted and the date of completion of said enterprise. The authority also finds that the property described in the application constitutes an industrial enterprise as described in Section §27-31-101, Mississippi Code of 1972, as amended.

This governing authority does hereby grant, subject to approval and certification of the Department of Revenue, ad valorem tax exemption to the above taxpayer for a period of 5 years, beginning January 1, 2017, on the property described in the application with a total true value of \$ 2,913,838.50.

Therefore the resolution to grant ad valorem tax exemption to the above named enterprise is hereby approved by the City Council, City of Hattiesburg, Mississippi for a period of 5 years as authorized by Section §27-31-101 et seq., Mississippi Code of 1972, as amended, on this the ____ day of _____, 20__.

Granting Authority

Name & Title

(SEAL)

Attest:

MAR-JAC POULTRY MS LLC
Hattiesburg Mississippi
Forrest County

EXHIBIT A
2016 ADDITIONS/EXPANSIONS

Plant	Seven Vat Dumpers	6/4/2016	77,000.00
Plant	Two PacMac Baggers	9/16/2016	309,600.00
Plant	DSI Water Portioner	9/14/2016	1,486,250.00
	Two Isheda scale systems	8/16/2016	321,911.07
	Two polar massagers & two vacuum load systems	8/16/2016	223,530.60
Plant	Flex Line	6/17/2016	372,500.00
Plant	Fiber Optic & Phones for shipping dock & guard shack	10/14/2016	18,107.83
Plant	Four table top bagging systems	8/8/2016	26,100.00
Plant	Two check Weighers	8/15/2016	51,608.00
Plant	Two CVP Fresh Vac A-200	11/2/2016	27,231.00
	TOTAL 2015 ADDITIONS/EXPANSION:		<u>2,913,838.50</u>



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-945

File ID: 2017-945

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 12/18/2017

Brief Title: Ad valorem tax exemption to Wis-Pak of Hattiesburg

Final Action: 12/19/2017

Minute Book Number: MB2017-480

Title:

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Wis-Pak of Hattiesburg, LLC. for a period not to exceed ten (10) years, commencing December 31, 2017 and ending December 31, 2026, with a true total value of \$6,355,858.44 or the amount approved by the Mississippi Department of Revenue.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-14

Sponsors:

Enactment Date:

Attachments: Wis-Pak Resolution 2017, County Statement-Wis Pak, Wis-Pak App 2017, Wis-Pak-2017 ADP, RES#2017-196, executed Wis-Pak Resolution 2017

Enactment Number:

Contact:

Meeting Date:

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	12/18/2017					
1	City Council	12/19/2017	Adopt				Pass

Action Text: A MOTION was made by Council Vice President Dryden and seconded by Council Member George to Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Wis-Pak of Hattiesburg, LLC. for a period not to exceed ten (10) years, commencing December 31, 2017 and ending December 31, 2026, with a true total value of \$6,355,858.44 or the amount approved by the Mississippi Department of Revenue.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 5 - George, Delgado, Carroll, Dryden and Brown

Nays: 0

Yea: 5 Council Member George
Council Member Delgado
Council President Carroll
Council Vice President Dryden
Council Member Brown

Text of Legislative File 2017-945

Title

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Wis-Pak of Hattiesburg, LLC. for a period not to exceed ten (10) years, commencing December 31, 2017 and ending December 31, 2026, with a true total value of \$6,355,858.44 or the amount approved by the Mississippi Department of Revenue.

Summary

[Ad valoren tax exemption to Wis-Pak.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

**RESOLUTION OF THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES**

The City Council next took up for consideration the matter of the application of Wis-Pak of Hattiesburg, LLC for exemption from ad valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG,
MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES
TO WIS-PAK OF HATTIESBURG, LLC AS AUTHORIZED BY
SECTION 27-31-105 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.**

WHEREAS, Wis-Pak of Hattiesburg, LLC on May 22, 2017 filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, Wis-Pak of Hattiesburg, LLC, has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personality in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit "A" to the Application filed with this Council (a copy of Exhibit "A" is attached to this Resolution and incorporated by reference); and that Wis-Pak of Hattiesburg, LLC is entitled to the exemption sought for a period of 10 years, all subject to approval and certification by the Mississippi Department of Revenue.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by Wis-Pak of Hattiesburg, LLC for a consecutive period of ten (10) years from December 31, 2016 through December 31, 2025, as allowed by Section 27-31-105, Mississippi Code of 1972 as amended, as shown and described in Exhibit "A", be and the same is hereby approved, subject to approval and certification by the Mississippi Department of Revenue.

Section 2. That Wis-Pak of Hattiesburg, LLC is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit "A" for a period of ten (10) years, commencing on 31st day of December, 2016, and ending on the 31st day of December, 2025 with a total true value of \$6,355,858.00 or the amount approved by Mississippi Department of Revenue.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi Department of Revenue for its approval and certification; after receipt of certification from the Mississippi Department of Revenue a Final Order of the Council granting the

exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the Mississippi Department of Revenue and with the State Auditor's Office; and the Clerk of this Council shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that both the real and personal property as set forth in Exhibit "A" has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption periods only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member _____, seconded by Council member _____, and was adopted by the following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

POSITION STATEMENT OF TAX ASSESSOR

EXEMPTION OF REALTY AND/OR PERSONAL PROPERTY

TRADE NAME OF APPLICANT: WIS-PAK OF HATTIESBURG LLC

LOCATION: 2 W L RUNNELS DR PARCEL P7158 & 45777

TYPE OF BUSINESS: BEVERAGE BOTTLING PLANT

FINISHED PRODUCTS ARE: BOTTLED BEVERAGES

STATE THE ENUMERATION THIS APPLICATION IDENTIFIES WITH: 27-31-105

HAS THIS ENTERPRISE ENJOYED AN EXEMPTION PREVIOUSLY? YES

UNDER ANY OTHER TRADE NAME? NO

ANY OTHER LOCATION? NO

UNDER ANY OTHER OWNERSHIP? NO

NUMBER OF NEW JOBS 7 ESTIMATED ANNUAL PAYROLL \$ 306,250.00

EXEMPTION TO BE ON:

LAND:	(NO)	VALUE:\$
IMPROVEMENTS:	(YES)	VALUE:\$ <u>48,124.49</u>

PERSONAL PROPERTY:

FURN & FIX.	VALUE \$
MACH & EQUIP.	VALUE \$ <u>6,307,733.95</u>
RAW MATERIALS	VALUE \$
WORK IN PROCESS	VALUE \$
FINISHED GOODS	VALUE \$

PERSONAL PROPERTY TOTAL: \$ 6,307,733.95

EXEMPTION TOTAL VALUE: \$ 6,355,858.44

LAND AND IMPROVEMENTS:

OWNER OF LAND: WIS-PAK OF HATTIESBURG LLC

OWNER OF IMPROVEMENTS: WIS-PAK OF HATTIESBURG LLC

DATE OF IMPROVEMENTS: COMPLETED EXPANDED 12/31/2016

ANY PRIOR EXEMPTION: NO

YEARS OF EXEMPTION APPLIED FOR: 2017 THRU 2021

APPLICANT'S REPRESENTATIVE: L PYLANT

ADDRESS: 2 W L RUNNELS DR, HATTIESBURG, MS 39401 PHONE:(601)544-7278

INVESTIGATED BY: BRUCE TEMPLETON

COMMENTS:

DATE: JUNE 5, 2017 TAX ASSESSOR: MARY ANN PALMER

APPLICATION FOR AD VALOREM TAX EXEMPTION

AS AUTHORIZED BY SECTION 27-31-101, et seq., MISSISSIPPI CODE OF 1972, AS AMENDED

NAME OF ENTERPRISE Wis-Pak of Hattiesburg, LLC
PHYSICAL ADDRESS 2 WL Runnels Industrial Dr., Hattiesburg, MS 39401
TYPE OF INDUSTRY Manufacturing PRODUCT/SERVICE Beverages
LOCATION - COUNTY Forrest CITY Hattiesburg
DATE OF COMPLETION 12/31/16 YEARS REQUESTED 10
NEW (SECTION 27-31-101) _____ EXPANSION (SECTION 27-31-105) X
NEW JOBS 7 ESTIMATED PAYROLL 306,250
TRUE VALUE OF PROPERTY EXEMPTED 6,355,858 *Attach an
itemized list of property to be exempted as Exhibit "A".

The applicant request that the Board approve this application by an order spread on its minutes declaring that the above property be exempt from all ad valorem taxation except school taxation for the period requested. The applicant further request that the application and certified approval of exemption be forwarded to the Department of Revenue and upon approval and certification by the Department, the Board enter a final order on its minutes granting the exemption. The above information is true and correct as certified by the applicant. This application is submitted on the 22 day of May, 2017.

Wis-Pak of Hattiesburg

Applicant (Name of Taxpayer)

By: L. P. H. L.
Title: Financial Analyst

ATTEST:

Wis-Pak of Hattiesburg, Inc.

Building & Land Improvements, Equipment Purchased: 2016 Expansion

Attachment to Application for Ad Valorem Tax Exemption

Asset	Description of Item	Date	Amount
8384	Trench drains at labeler	2/15/2016	27,098.00
12183	Blowmold: wall & door install	5/15/2016	17,835.58
12184	Blowmold: Stonhard coating	5/15/2016	37,747.85
12185	Blowmold: Sprinkler hose valve	5/15/2016	2,979.95
12257	Blowmold: wall & door install	7/15/2016	3,309.51
12301	Trench drain	8/15/2016	11,835.00
12930	Truck restraint: Rite-Hite	10/15/2016	16,975.55
12302	Parking lot, new	8/15/2016	30,622.28
12303	Grounds work	8/15/2016	15,471.50
12304	Landscaping	8/15/2016	2,030.71
12305	Piping for water runoff contro	8/15/2016	2,842.46
8457	Air sampler	3/15/2016	2,878.26
8458	Pallet jack	3/15/2016	966.28
8477	Radios x6	4/15/2016	4,686.60
12306	Shredder-bottle/baler	8/15/2016	168,054.21
12307	Eelctrical shredder/baler	8/15/2016	23,498.40
12308	Oxygen meter	8/15/2016	11,870.75
12759	License, blending software	9/15/2016	29,369.88
12760	Electrical for battery charger	9/15/2016	19,883.81
12761	Electrical for rail battery ch	9/15/2016	9,696.88
12762	Beams for chargers	9/15/2016	3,155.43
12931	Power upgrade	10/15/2016	60,288.51
8385	Air knife	2/15/2016	5,200.54
12309	Labeler parts & install	8/15/2016	44,967.86
12932	Cap feeder	10/15/2016	91,327.67
12933	Cap feeder install	10/15/2016	17,167.53
12934	Ballard installation	10/15/2016	2,960.17
12188	Blowmold: blowmolder	5/15/2016	1,917,820.26
12212	Blowmold: Carts for molds	6/15/2016	18,458.31
12214	Blowmold: cart inserts	6/15/2016	3,718.49
12215	Blowmold: Engineering	6/15/2016	187,328.40
12216	Blowmold: Project mngt	6/15/2016	158,634.36
12217	Blowmold: conveyors	6/15/2016	515,218.82
12218	Blowmold: blowmold work	6/15/2016	479,134.81
12219	Blowmold: rigging	6/15/2016	3,210.00
12220	Blowmold: QA equipment	6/15/2016	125,063.83
12221	Blowmold: Utility systems equi	6/15/2016	791,535.90
12222	Blowmold: tank 50 gal w/ pump	6/15/2016	10,278.45
12223	Blowmold: Mechanicals	6/15/2016	524,974.62
12224	Blowmold: electrical switchgea	6/15/2016	18,071.38
12225	Blowmold: Electrical	6/15/2016	233,020.66
12258	Blowmold: security	7/15/2016	16,854.08
12290	Carts for molds	8/15/2016	9,072.36
12310	Blowmold: new bottle infeed	8/15/2016	70,349.70
12311	Carts for molds	8/15/2016	3,210.54
12312	Crane for compressor	8/15/2016	1,671.34
12313	Mechanical work	8/15/2016	4,155.00
12213	Blowmold: molds	6/15/2016	351,669.00
12260	Battery stands x2	7/15/2016	6,246.66
12261	Battery	7/15/2016	8,562.14
12262	Battery	7/15/2016	8,562.14
12263	Battery	7/15/2016	8,562.14
12264	Battery	7/15/2016	8,562.14
12265	Battery	7/15/2016	8,562.14
12266	Battery	7/15/2016	8,562.14
12267	Charger	7/15/2016	3,755.70
12268	Charger	7/15/2016	3,755.70
12269	Charger	7/15/2016	3,755.70
12270	Charger	7/15/2016	3,755.70
12271	Charger	7/15/2016	3,755.70
12272	Charger	7/15/2016	3,755.70
12273	Battery changer	7/15/2016	62,941.68
12274	Forklift	7/15/2016	45,150.79
12275	Forklift	7/15/2016	45,150.79
	Plastic pallets/shells	2016	14,290.00
TOTAL			6,355,858.44

MEMORANDUM

To: City Council, City of Hattiesburg, Mississippi

Date: August 1, 2017

From: Markus Simmons

RE: Wis-Pak of Hattiesburg, LLC

We greatly appreciate the opportunity to review the Ad Valorem Tax Exemption application for Wis-Pak of Hattiesburg, LLC located at 2 W.L. Runnels Industrial Drive, Hattiesburg, Forrest County, MS. Upon further review by the Area Development Partnership (ADP) economic development staff, the request appears to be in order and warrants a strong consideration by the City Council. As businesses maneuver through today's economy, we must work diligently to ensure that we continue to provide a pro-business operating environment for existing businesses and for those we try to recruit.

Wis-Pak of Hattiesburg, LLC is applying for a 10-year Ad Valorem Tax Exemption to be exempt from all non-educational ad valorem taxes of the City of Hattiesburg for a period of 10 years for an expansion completed 12/31/2016. The total employment for the company in December 2016 is approximately 108. The total value of the personal property to be exempted is \$6,355,858.44. Wis-Pak of Hattiesburg, LLC recently completed a \$5.5M blow molding addition to its manufacturing operation here in Hattiesburg. Again, we are in favor of this exemption and certainly appreciate your consideration.

**RESOLUTION OF THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES**

The City Council next took up for consideration the matter of the application of Wis-Pak of Hattiesburg, LLC for exemption from ad valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG,
MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES
TO WIS-PAK OF HATTIESBURG, LLC AS AUTHORIZED BY
SECTION 27-31-105 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.**

WHEREAS, Wis-Pak of Hattiesburg, LLC on May 22, 2017 filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, Wis-Pak of Hattiesburg, LLC, has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personality in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit "A" to the Application filed with this Council (a copy of Exhibit "A" is attached to this Resolution and incorporated by reference); and that Wis-Pak of Hattiesburg, LLC is entitled to the exemption sought for a period of 10 years, all subject to approval and certification by the Mississippi Department of Revenue.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by Wis-Pak of Hattiesburg, LLC for a consecutive period of ten (10) years from December 31, 2016 through December 31, 2025, as allowed by Section 27-31-105, Mississippi Code of 1972 as amended, as shown and described in Exhibit "A", be and the same is hereby approved, subject to approval and certification by the Mississippi Department of Revenue.

Section 2. That Wis-Pak of Hattiesburg, LLC is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit "A" for a period of ten (10) years, commencing on 31st day of December, 2016, and ending on the 31st day of December, 2025 with a total true value of \$6,355,858.00 or the amount approved by Mississippi Department of Revenue.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi Department of Revenue for its approval and certification; after receipt of certification from the Mississippi Department of Revenue a Final Order of the Council granting the

exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the Mississippi Department of Revenue and with the State Auditor's Office; and the Clerk of this Council shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that both the real and personal property as set forth in Exhibit "A" has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption periods only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member Dryden, seconded by Council member George _____, and was adopted by the following vote, to-wit:

YEAS:

George
Delgado
Carroll
Dryden
Brown

NAYS:

None

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:


CLERK OF COUNCIL

ADOPTED:

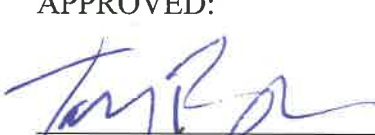

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:


CITY CLERK

APPROVED:


MAYOR



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-943

File ID: 2017-943

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 12/18/2017

Brief Title: ad valorem
ad valorem

Final Action: 12/19/2017

Minute Book Number: MB2017-480

Title:

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Zeon Chemicals, for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending December 31, 2027, with a true total value of \$1,106,469.82 or the amount approved by the Mississippi Department of Revenue.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-15

Sponsors:

Enactment Date:

Attachments: 2017-Zeon Reso, County Statement Zeon, 2017 Zeon App, Zeon -ADP 2017, RES#2017-197, executed 2017-Zeon Reso

Enactment Number:

Contact:

Meeting Date:

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	12/18/2017					
1	City Council	12/19/2017	Adopt				Pass

Action Text: A MOTION was made by Council Member Delgado and seconded by Council Member George to Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Zeon Chemicals for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending December 31, 2027, with a true total value of \$1,106,469.82 or the amount approved by the Mississippi Department of Revenue.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 5 - George, Delgado, Carroll, Dryden and Brown

Nays: 0

Yea: 5 Council Member George
 Council Member Delgado
 Council President Carroll
 Council Vice President Dryden
 Council Member Brown

Text of Legislative File 2017-943

Title

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Zeon Chemicals, for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending December 31, 2027, with a true total value of \$1,106,469.82 or the amount approved by the Mississippi Department of Revenue.

Summary

Ad valorem exemption to Zeon Chemicals.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

**RESOLUTION OF THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES**

The City Council next took up for consideration the matter of the application of Zeon Chemicals, L.P. . for exemption from ad valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG,
MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES
TO MISSISSIPPI TANK COMPANY AS AUTHORIZED BY
SECTION 27-31-105 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.**

WHEREAS, Zeon Chemicals, L.P. Company on May 10, 2017 filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, Zeon Chemicals, L.P. Company, has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personality in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit "A" to the Application filed with this Council (a copy of Exhibit "A" is attached to this Resolution and incorporated by reference); and that Zeon Chemicals is entitled to the exemption sought for a period of 10 years, all subject to approval and certification by the Mississippi Department of Revenue.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by Zeon Chemicals for a consecutive period of ten (10) years from December 31, 2016 through December 31, 2025, as allowed by Section 27-31-105, Mississippi Code of 1972 as amended, as shown and described in Exhibit "A", be and the same is hereby approved, subject to approval and certification by the Mississippi Department of Revenue.

Section 2. That Zeon Chemicals is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit "A" for a period of ten (10) years, commencing on 31st day of December, 2016, and ending on the 31st day of December, 2025 with a total true value of \$1,106,470.00 or the amount approved by Mississippi Department of Revenue.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi Department of Revenue for its approval and certification; after receipt of certification from the Mississippi Department of Revenue a Final Order of the Council granting the

exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the Mississippi Department of Revenue and with the State Auditor's Office; and the Clerk of this Council shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that both the real and personal property as set forth in Exhibit "A" has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption periods only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member _____, seconded by Council member _____, and was adopted by the following vote, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

POSITION STATEMENT OF TAX ASSESSOR

EXEMPTION OF REALTY AND/OR PERSONAL PROPERTY

TRADE NAME OF APPLICANT: ZEON CHEMICALS L P

LOCATION: 1301 WEST SEVENTH ST PARCEL P7165

TYPE OF BUSINESS: CHEMICAL MANUFACTURING

FINISHED PRODUCTS ARE: CHEMICALS

STATE THE ENUMERATION THIS APPLICATION IDENTIFIES WITH: 27-31-105

HAS THIS ENTERPRISE ENJOYED AN EXEMPTION PREVIOUSLY? YES

UNDER ANY OTHER TRADE NAME? NO

ANY OTHER LOCATION? NO

UNDER ANY OTHER OWNERSHIP? NO

NUMBER OF NEW JOBS N/A ESTIMATED ANNUAL PAYROLL

EXEMPTION TO BE ON:

LAND: (NO) VALUE:\$

IMPROVEMENTS: (NO) VALUE:\$

PERSONAL PROPERTY:

FURN & FIX.	VALUE \$
MACH & EQUIP.	VALUE \$ 1,106,469.82
RAW MATERIALS	VALUE \$
WORK IN PROCESS	VALUE \$

PERSONAL PROPERTY TOTAL: \$ 1,106,469.82

EXEMPTION TOTAL VALUE: \$ 1,106,469.82

LAND AND IMPROVEMENTS:

OWNER OF LAND: ZEON CHEMICALS L P

OWNER OF IMPROVEMENTS: ZEON CHEMICALS L P

DATE OF IMPROVEMENTS: COMPLETED N/A EXPANDED 12-31-2016

ANY PRIOR EXEMPTION: YES

YEARS OF EXEMPTION APPLIED FOR: 2017 THRU 2021

APPLICANT'S REPRESENTATIVE: G R ANDREWS

ADDRESS: 1301 W 7TH STREET, HATTIESBURG, MS 39401 PHON0E: 583-6020

INVESTIGATED BY: BRUCE TEMPLETON

COMMENTS:

DATE: JUNE 5, 2017 TAX ASSESSOR:

MARY ANN PALMER

**APPLICATION OF ZEON CHEMICALS, L.P.
FOR EXEMPTION FROM AD VALOREM TAXES FOR A PERIOD
OF TEN YEARS AS AUTHORIZED BY SECTION 27-31-101, ET
SEQ., OF THE MISSISSIPPI CODE OF 1972, AS AMENDED**

**TO THE MAYOR AND CITY COUNCIL OF THE CITY OF HATTIESBURG,
MISSISSIPPI:**

1. Zeon Chemicals, L.P. files this its application in triplicate for exemption from ad valorem taxation, and respectfully represents unto the Mayor and City Council of the City of Hattiesburg, Mississippi, hereinafter referred to as the "Mayor and City Council", as follows:

2. Applicant, Zeon Chemicals, L.P., is a limited partnership with offices and manufacturing facilities located in the city of Hattiesburg, Forrest County, Mississippi, and has been for more than five (5) continuous years, which manufacturing facility primarily manufactures synthetic rubber.

3. Applicant is now operating as a manufacturing enterprise within the city of Hattiesburg, Forrest County, Mississippi, which manufacturing enterprise is a bona fide expanded enterprise of public utility within the meaning of Section 27-31-101, et seq., and related sections of the Mississippi Code of 1972, as amended, and is eligible for the exemption granted by Section 27-31-105 of the Mississippi Code of 1972, as amended, by specific enumeration, namely the owner and operator of a manufacturing enterprise of public utility who has made additions to or expansions of the manufacturing facility and has replaced equipment and machinery used in connection with and necessary to the operation of such manufacturing enterprise.

4. Applicant is the owner of real property on which the Applicant's manufacturing enterprise is presently constructed and located and on which the additions to or expansions of the

RECEIVED

MAY 10 2017

BY 

manufacturing facility were also constructed and erected, and which is located at 1301 West Seventh Street in said city and county.

5. Additions were made to said enterprise in the year 2016 as shown on Exhibit A attached hereto and made a part hereof; and therefore, the exemption hereby claimed should commence as of December 31, 2016.

6. The Applicant employs approximately forty-one (41) employees in the city of Hattiesburg, Forrest County, Mississippi and has an annual payroll of approximately \$4,579,032.22. The additions and expansion by Applicant upgraded and rendered the manufacturing process more efficient and expedient and permitted Applicant to better serve its customers.

7. That said exemptions of the tangible property described in Exhibit A attached hereto should be granted for a period of ten (10) years from December 31, 2016.

8. That the original cost of all property comprising the addition and expansion that was completed in the year 2016 is \$1,106,470.00, as shown in an itemized list attached hereto as Exhibit A and made a part hereof for all purposes.

PRAYER

WHEREFORE, Applicant prays that the Mayor and City Council enter a finding that a portion of Applicant's manufacturing facility is an expanded enterprise of public utility and that said additional and expanded portion was completed in the year 2016, within the meaning of applicable laws of Mississippi; and

That Applicant be granted an exemption from ad valorem taxation, except school district ad valorem taxation, as provided by law, for a period of ten (10) years commencing December 31, 2016, upon all of the tangible property described in Exhibit A attached hereto and made a

part hereof, used in, or necessary to the operation of Applicant's manufacturing facility in Forrest County, Mississippi; and

That the Mayor and City Council approve this application by an order resolution spread upon its minutes declaring that such property is exempt from all ad valorem taxation, except school district ad valorem taxation and state ad valorem taxation, for a period of ten (10) years and forward the original and three (3) certified copies of this application and a certified transcript of such approval to the Mississippi State Tax Commission and upon approval of such application by the said Mississippi State Tax Commission and certification of its approval, the Mayor and City Council will enter a final order on its minutes granting the exemption herein prayed.

RESPECTFULLY SUBMITTED this 3rd day of March, A.D. 2017.

ZEON CHEMICALS, L.P.

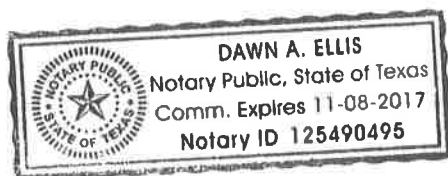
By GR Andrews

STATE OF MISSISSIPPI
COUNTY OF FORREST

PERSONALLY APPEARED BEFORE ME, the undersigned authority in and for said state and county, within my jurisdiction, Guinn Andrews who is Plant Controller for Zeon Chemicals, L.P., who acknowledged that she signed, executed and delivered the above and foregoing application on the day and year therein mentioned for and on behalf, in the name and as the act and deed of said Zeon Chemicals, L.P., she being first duly authorized so to do and who first by me being duly sworn, stated upon her oath that the facts contained in the above application are true and correct as therein stated.

GR Andrews

SWORN TO AND SUBSCRIBED BEFORE ME on this 3rd day of March, A.D., 2017.



Dawn A. Ellis
NOTARY PUBLIC
My commission expires: 11/8/17

ASSETS CLASSIFIED AS PERSONAL PROPERTY

Report date: 12/31/2016 Asset Acquisitions - 01 Book deprec.
Created on: 03/28/2017

1

Asset	SNo.	Cap.date	Asset description	Acquisition	O.dep.	S.dep. Cray	Addition
			Text				Price
37476	0	02/15/2016	AR 206340-A-Process LEL Monitors	6,789.27	1,244.70-	0.00 USD	\$6,789.27
37478	0	03/15/2016	AR 206366-Flare O2 Monitor for Flare	13,251.47	2,208.58-	0.00 USD	\$13,251.47
37479	0	03/15/2016	AR 206366-Natural Gas Purge for Flare	3,870.00	645.00-	0.00 USD	\$3,870.00
37482	0	01/15/2016	AR 206375-PV 13133A Control Valve	2,700.12	540.02-	0.00 USD	\$2,700.12
37483	0	01/15/2016	AR 206375-PV 13133B Control Valve	2,700.12	540.02-	0.00 USD	\$2,700.12
37484	0	01/15/2016	AR 206375-PV 14110A Control Valve	2,700.12	540.02-	0.00 USD	\$2,700.12
37485	0	01/15/2016	AR 206375-PV 14110B Control Valve	2,700.12	540.02-	0.00 USD	\$2,700.12
37486	0	01/15/2016	AR 206375-HS-80 Hand Switch Valve	3,693.53	738.71-	0.00 USD	\$3,693.53
37487	0	01/15/2016	AR 206375-LT-22A938 Level Transmitter	3,735.77	747.15-	0.00 USD	\$3,735.77
37488	0	01/15/2016	AR 206375-LT-22B991 Level Transmitter	2,910.86	582.17-	0.00 USD	\$2,910.86
37489	0	01/15/2016	AR 206375-LT-22A935 Flow Transmitter	2,851.09	570.22-	0.00 USD	\$2,851.09
37490	0	01/15/2016	AR 206375-LT-22B985 Flow Transmitter	2,973.51	594.70-	0.00 USD	\$2,973.51
37494	0	05/01/2016	AR206403 LEL Monitor for Work Tank Area	3,687.92	491.72-	0.00 USD	\$3,687.92
37497	0	05/01/2016	AR206402 Flow Control for Ether to Dryer	12,579.51	1,677.27-	0.00 USD	\$12,579.51
37499	0	05/01/2016	AR206401 FT-53 Steam Flow Transmitter	3,933.82	524.51-	0.00 USD	\$3,933.82
37500	0	05/01/2016	AR206401 TT-2053 Temperature Transmitters	2,753.53	367.14-	0.00 USD	\$2,753.53
37501	0	05/01/2016	AR206401 FT-2053B H2O Flow Transmitter	3,930.26	524.03-	0.00 USD	\$3,930.26
37553	0	08/01/2016	AR206532 Waste Water to City Flowmeter	4,777.87	398.15-	0.00 USD	\$4,777.87
37554	0	08/01/2016	AR206494 Magnetic Flowmeter City Water Measurement	7,102.19	591.85-	0.00 USD	\$7,102.19
37565	0	09/01/2016	AR206432 LT-2350-1 A-Process Chiller Level	2,241.05	149.40-	0.00 USD	\$2,241.05
37566	0	09/01/2016	AR206432 LT-2350-2 B-Processes Chiller Level	2,241.05	149.40-	0.00 USD	\$2,241.05
37567	0	09/01/2016	AR206432 LT-2350-3 Brine Chiller Level	2,241.05	149.40-	0.00 USD	\$2,241.05
37568	0	09/01/2016	AR206432 LT-2077-A T-77 Caustic Level	2,774.46	184.96-	0.00 USD	\$2,774.46
37569	0	09/01/2016	AR206432 FT-1-CAT Pilot Plant Catalyst Flow	8,863.53	590.90-	0.00 USD	\$8,863.53
37570	0	09/01/2016	AR206432 LT-2077-A T-77 Caustic Level	2,630.00	175.33-	0.00 USD	\$2,630.00
37571	0	09/01/2016	AR206432 AT-MSA-ALTAIR-5X-3 LEL/O2/PID Monitor	6,240.18	416.01-	0.00 USD	\$6,240.18
37610	0	11/01/2016	AR206570 FT-TIBAL T/T UNLOADING METER	2,672.94	89.10-	0.00 USD	\$2,672.94
37611	0	11/01/2016	AR206570 FT-BIO-ECH T/T UNLOADING METER	7,499.62	249.99-	0.00 USD	\$7,499.62
37612	0	11/01/2016	AR206570 FT-TOLUENE T/T UNLOADING METER	7,499.62	249.99-	0.00 USD	\$7,499.62
37613	0	11/01/2016	AR206570 FT-AGE T/T UNLOADING METER	2,691.82	89.73-	0.00 USD	\$2,691.82
37437	0	01/01/2016	AR 206272 - Reflux Pump P-1083-3	17,629.99	1,175.33-	0.00 USD	\$17,629.99
37438	0	01/01/2016	AR 206272 - Reflux Tank T-1083-3	17,997.83	1,199.86-	0.00 USD	\$17,997.83
37439	0	01/01/2016	AR 206272 - Reflux Flow Meter	8,535.50	569.03-	0.00 USD	\$8,535.50
37440	0	01/01/2016	AR 206272 - Reflux Tank Level Transmitter	2,924.96	195.00-	0.00 USD	\$2,924.96
37441	0	01/01/2016	AR 206272 - Reflux Flow Control Valve	3,566.46	237.76-	0.00 USD	\$3,566.46
37443	0	01/01/2016	AR 206256-T-75 Vent Condenser	39,048.12	2,603.21-	0.00 USD	\$39,048.12
37444	0	01/01/2016	AR 206256-T-77 Vent Condenser	39,048.11	2,603.21-	0.00 USD	\$39,048.11
37448	0	01/01/2016	AR 206265 - E-1086- 3 Condenser	38,671.77	2,578.12-	0.00 USD	\$38,671.77
37477	0	01/01/2016	AR 206279-A-Line Bale Press Hydraulic Unit	48,060.88	3,204.06-	0.00 USD	\$48,060.88
37480	0	01/01/2016	AR 206393 - Twin Screw Feed Barrel Modification	6,521.38	434.76-	0.00 USD	\$6,521.38
37481	0	01/01/2016	AR 206393 - Twin Screw Drain Plug PN/2205	3,324.12	221.61-	0.00 USD	\$3,324.12
37502	0	05/01/2016	AR206407 Metal Detector Conveyor Enclosure	16,990.03	755.11-	0.00 USD	\$16,990.03
37503	0	05/01/2016	AR206407 B-Drying Hoods & Exhaust Duct	4,041.81	179.63-	0.00 USD	\$4,041.81
37517	0	07/01/2016	AR205951 B-Drying Fines Tank	16,798.63	559.96-	0.00 USD	\$16,798.63
37518	0	07/01/2016	AR205951 B-Drying Effluent Tank	17,861.32	595.38-	0.00 USD	\$17,861.32
37519	0	07/01/2016	AR205951 B-Drying Fines Pump	9,180.51	306.02-	0.00 USD	\$9,180.51
37520	0	07/01/2016	AR205951 Fines Tank Agitator	5,805.91	193.53-	0.00 USD	\$5,805.91
37521	0	07/01/2016	AR205951 West B-Drying Effluent Pump	22,743.92	758.13-	0.00 USD	\$22,743.92
37522	0	07/01/2016	AR205951 East B-Drying Effluent Pump	22,743.92	758.13-	0.00 USD	\$22,743.92
37564	0	09/01/2016	AR206506 Convert T-25 to Bio ECH Storage Tank	9,169.91	203.78-	0.00 USD	\$9,169.91
37574	0	09/01/2016	AR206011 Mobile Crane	24,250.11	538.89-	0.00 USD	\$24,250.11
37575	0	09/01/2016	AR206408 Refurbish Middle-West Cooling Tower	46,644.57	1,036.55-	0.00 USD	\$46,644.57
37576	0	09/01/2016	AR206409 Refurbish Middle-East Cooling Tower	48,031.90	1,067.38-	0.00 USD	\$48,031.90
37597	0	10/01/2016	AR206425 Artisan Devolatilization Support System	118,392.37	1,973.21-	0.00 USD	\$118,392.37
37598	0	10/01/2016	AR206428 Pilot Plant GC w/headspace Auto Sampler	69,563.58	1,159.39-	0.00 USD	\$69,563.58
37618	0	11/01/2016	AR206501 Refurbish T-70	45,822.75	509.14-	0.00 USD	\$45,822.75
37634	0	11/01/2016	AR206581 JLG Boom Lift 600 AJ	91,752.50	1,019.47-	0.00 USD	\$91,752.50
37654	0	12/01/2016	AR206358 P-34-A Poly Pump	11,789.21	65.50-	0.00 USD	\$11,789.21
37655	0	12/01/2016	AR206358 P-34-B Poly Pump	11,789.21	65.50-	0.00 USD	\$11,789.21
37656	0	12/01/2016	AR206358 P-2009 Boiler House Sump Pump	16,834.56	93.53-	0.00 USD	\$16,834.56
37657	0	12/01/2016	AR206358 P-1201B Hot or Cold Brine Piping	3,539.08	19.66-	0.00 USD	\$3,539.08
37505	0	05/01/2016	AR206407 B-Drying Insulation	5,044.71	480.45-	0.00 USD	\$5,044.71
37533	0	07/01/2016	AR206421 Jacketed Pipe & Rototherm Flange	5,105.31	364.67-	0.00 USD	\$5,105.31
37535	0	01/01/2016	AR206217 7"FP Wedgewire Screen	3,080.53	440.08-	0.00 USD	\$3,080.53
37536	0	01/01/2016	AR206217 A1041 Steam Relief Valve	3,875.00	553.57-	0.00 USD	\$3,875.00
37537	0	08/01/2016	AR206217 T2095 Disintegrator Seal	13,707.33	815.91-	0.00 USD	\$13,707.33
37542	0	06/01/2016	AR206217 A & B Line Bale Press Cover Plates	3,602.00	300.17-	0.00 USD	\$3,602.00
37599	0	10/01/2016	AR206478 Soft Water Supply to Dryer Building	4,885.64	174.49-	0.00 USD	\$4,885.64
37601	0	10/01/2016	AR206557 Variable Frequency Drive for Boiler	7,509.87	268.21-	0.00 USD	\$7,509.87
37614	0	11/01/2016	AR206499 EV -77 Emergency Vent	6,090.57	145.01-	0.00 USD	\$6,090.57
37615	0	11/01/2016	AR206499 EV -16 Emergency Vent	6,669.75	158.80-	0.00 USD	\$6,669.75
37616	0	11/01/2016	AR206499 5 Cement Valves @ T-37	16,001.77	381.00-	0.00 USD	\$16,001.77
37617	0	11/01/2016	AR206516 Karl-Fisher Moisture Analyzer	21,264.30	506.29-	0.00 USD	\$21,264.30
37619	0	11/01/2016	AR206501 A-70 MODIFICATIONS	7,153.14	170.31-	0.00 USD	\$7,153.14
37652	0	12/01/2016	AR206552 Escape Respirators for Production	4,218.55	50.22-	0.00 USD	\$4,218.55
37653	0	12/01/2016	AR206558 Escape Respirators for Air Line Respirator	10,160.08	120.95-	0.00 USD	\$10,160.08
37573	0	09/01/2016	AR206011 JLG Scissor Lift	11,790.00	786.00-	0.00 USD	\$11,790.00

Total

\$1,106,469.82

MEMORANDUM

To: City Council, City of Hattiesburg, Mississippi

Date: August 1, 2017

From: Markus Simmons

RE: Zeon Chemicals, L.P.

We greatly appreciate the opportunity to review the Ad Valorem Tax Exemption application for Zeon Chemicals, L.P. located at 1301 W 7th Street, Hattiesburg, Forrest County, MS. Upon further review by the Area Development Partnership (ADP) economic development staff, the request appears to be in order and warrants a strong consideration by the City Council. As businesses maneuver through today's economy, we must work diligently to ensure that we continue to provide a pro-business operating environment for existing businesses and for those we try to recruit.

Zeon Chemicals, L.P. is applying for a 10-year Ad Valorem Tax Exemption to be exempt from all non-educational ad valorem taxes of the City of Hattiesburg for a period of 10 years for an expansion completed 12/31/2016. The total employment for the company in December 2016 is approximately 51. The total value of the personal property to be exempted is \$1,106,469.82. Zeon Chemicals, L.P. has been a great corporate citizen of the Hattiesburg business community for many years. Again, we are in favor of this exemption and certainly appreciate your consideration.

**RESOLUTION OF THE CITY COUNCIL OF
HATTIESBURG, MISSISSIPPI
GRANTING EXEMPTION FROM AD VALOREM TAXES**

The City Council next took up for consideration the matter of the application of Zeon Chemicals, L.P. . for exemption from ad valorem taxes; and the following Resolution, having first been reduced to writing, was introduced:

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG,
MISSISSIPPI, GRANTING EXEMPTION FROM AD VALOREM TAXES
TO MISSISSIPPI TANK COMPANY AS AUTHORIZED BY
SECTION 27-31-105 ET SEQ., MISSISSIPPI CODE OF 1972, AS AMENDED.**

WHEREAS, Zeon Chemicals, L.P. Company on May 10, 2017 filed in triplicate with this Council its Application for Tax Benefits; and

WHEREAS, Zeon Chemicals, L.P. Company, has produced written verification and documentation to this Council as to the authenticity and correctness of its Application in regards to the true value of the additions or expansions prayed to be exempted, the completion date of the additions and expansions, and that the additions and expansions described in its Application do not constitute renovations or replacements of realty or personality in whole or in part; and

WHEREAS, this Council finds that the property described in the said Application constitutes additions and expansions of an industrial enterprise of public utility which were in service or completed on the respective dates as shown on Exhibit "A" to the Application filed with this Council (a copy of Exhibit "A" is attached to this Resolution and incorporated by reference); and that Zeon Chemicals is entitled to the exemption sought for a period of 10 years, all subject to approval and certification by the Mississippi Department of Revenue.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hattiesburg, Mississippi, as follows:

Section 1. That the application for Ad Valorem Tax Exemption by Zeon Chemicals for a consecutive period of ten (10) years from December 31, 2016 through December 31, 2025, as allowed by Section 27-31-105, Mississippi Code of 1972 as amended, as shown and described in Exhibit "A", be and the same is hereby approved, subject to approval and certification by the Mississippi Department of Revenue.

Section 2. That Zeon Chemicals is hereby granted tax exemption on ad valorem taxes, except state and school district ad valorem taxation with respect to the personal property listed on Exhibit "A" for a period of ten (10) years, commencing on 31st day of December, 2016, and ending on the 31st day of December, 2025 with a total true value of \$1,106,470.00 or the amount approved by Mississippi Department of Revenue.

Section 3. That the Clerk of this Council be, and is hereby directed to spread a copy of this Resolution on the minutes of the City Council; and that the City Clerk shall forward the original and one certified copy of the Application, and the original and one certified copy of the transcript of this Resolution approving said Application and granting the relief prayed for therein to the Mississippi Department of Revenue for its approval and certification; after receipt of certification from the Mississippi Department of Revenue a Final Order of the Council granting the

exemption shall be spread upon the minutes and a certified copy of the Order and Application shall be filed with the Mississippi Department of Revenue and with the State Auditor's Office; and the Clerk of this Council shall also forward one certified copy of the said Application and of the Final Order granting the exemption to the Tax Assessor of Forrest County and receive the Certificate of said Tax Assessor stating that both the real and personal property as set forth in Exhibit "A" has been placed on the appropriate tax roll as "Non-taxable", except for state and school district ad valorem taxes for the duration of the exemption periods only.

The above and foregoing Resolution, after having been first reduced to writing, was introduced by Council member Delgado, seconded by Council member George, and was adopted by the following vote, to-wit:

YEAS:

George
Delgado
Carroll
Dryden
Brown

NAYS:

None

The President thereby declared the motion carried and the Resolution adopted, this the 19th day of December, 2017.

(S E A L)

ATTEST:


CLERK OF COUNCIL

ADOPTED:


PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 19th day of December, 2017.

ATTEST:


CITY CLERK

APPROVED:


MAYOR



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-913

File ID: 2017-913

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 12/11/2017

Brief Title: Authorize Change Order No. 1 with M&M Services, for the Mt. Carmel Baptist Church Building B Demolition, in the amount of \$22,642.30 for necessary repairs to the existing building after demolition.

Final Action: 12/19/2017

Minute Book Number: MB2017-481

Title:

Authorize Change Order No. 1 with M&M Services, for the Mt. Carmel Baptist Church Building B Demolition, in the amount of \$22,642.30 for necessary repairs to the existing building after demolition.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-16

Sponsors:

Enactment Date:

Attachments: Change Order Request No. 1

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: LaTasha McDaniel

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	12/18/2017					
1	City Council	12/19/2017	Authorize				Pass

Action Text: A MOTION was made by Council Member George and seconded by Council Vice President Dryden to Authorize Change Order No. 1 with M&M Services, for the Mt. Carmel Baptist Church Building B Demolition, in the amount of \$22,642.30 for necessary repairs to the existing building after demolition.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 4 - George, Carroll, Dryden and Brown

Nays: 0

Abstain: 1 - Delgado

Yea: 4	Council Member George
	Council President Carroll
	Council Vice President Dryden
	Council Member Brown
Abstain: 1	Council Member Delgado

Text of Legislative File 2017-913

Title

Authorize Change Order No. 1 with M&M Services, for the Mt. Carmel Baptist Church Building B Demolition, in the amount of \$22,642.30 for necessary repairs to the existing building after demolition.

Summary

Change Order No.1; M&M Services- Mt.Carmel demolition project.

Budget Information

Expenditure Type

Purchasing Item

Publication Information



December 01, 2017

Mr. Doug Wimberly
Neel-Schaffer, Inc.
704 Hardy Street
Hattiesburg, Mississippi 39401

Re: Mt. Carmel Baptist Church Demolition Project
for the City of Hattiesburg, Mississippi

Dear Mr. Wimberly:

We offer the following change order proposal for necessary repairs to the existing building after demolition:

Masonry Work	\$6,866.00
Including laying CMU and brick to close in windows and corridor openings, filling joists holes with mortar, etc. Scaffold, CMU, brick, mortar, sand, 45' man lift	

Roof Caps	\$1,119.00
Furnish and install roof caps on separated walls Metal flashing, 45' man lift, labor	

Chipping Plaster from Existing Walls	\$7,326.78
45' Man lift, electric generator, two chipping hammers, chisels, labor	

Waterproofing Existing Brick	\$2,884.00
Siloxane PD, sprayers, 45' man lift, labor	

Furnish and Install Sod	\$672.80
Two pallets sod and labor	

Total all costs	\$18,868.58
10% Overhead	1,886.86
10% Profit	1,886.86

TOTAL	\$22,642.30
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asbestos abatement
lead & mold
remediation
soil remediation
biological cleanup
underground storage
tank removal

building demolition
bulk storage demolition
building dismantling
interior gut
selective structure
demolition

commercial
industrial

Certified Green
Contractor

P.O. BOX 68431
JACKSON, MS 39286

(601) 982-8695
FAX: (601) 605-1651

www.mandmdemolition.com



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-926

File ID: 2017-926

Type: Regular Agenda Item

Status: Draft

Version: 3

Reference:

In Control: City Council

Requester: Ann Jones

File Created: 12/12/2017

Brief Title: Authorize Eminent Domain suit to acquire Historic Mount Olive Cemetery

Final Action: 12/19/2017

Minute Book Number: MB2017-481

Title:

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-17

Sponsors:

Enactment Date:

Attachments: MEMO, City Takeover of Historic Cemetery, 12-1-17, MEMO, City Takeover of Historic Cemetery, 11-17-17, Title Opinion - Mount Olive Cemetery - Forrest County, MS, Forrest County Land Survey Map of Parcel, Mississippi Department of Archives & History Letter, February 2017, Unattributed Summary on Mt. Olive Cemetery, Letter from Vernell Jackson to the Tatum Family, State Historical Marker Payment Responsibility Acknowledgement, State Historical Marker Request Form, Proposed Historical Marker Text, Image of Proposed Site of Historical Marker, Annotated Record of Related Correspondence, Warranty Deed Filed in Perry County, November 8, 1906, Warranty Deed Filed in Forrest County, July 10, 1917, Goals and Strategies - p. 33, Comprehensive Plan, 2008-2028

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Ann Jones

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	12/18/2017					
1	City Council	12/19/2017	Authorize				Pass

Action Text: A MOTION was made by Council Member Brown and seconded by Council Vice President Dryden to Authorize City Attorney to file Eminent Domain suit pursuant to MS Code 21-37-21 on behalf of City of Hattiesburg to acquire property located off William Carey Parkway, Parcel #2-036K-21-008.00, PPIN 27434, known as the Historic Mount Olive Cemetery, for the purpose of assuming maintenance and upkeep of this historic site.

Mayor Barker acknowledged Vernell Jackson and her daughter and thanked them for developing and presenting the history of the cemetery.

Following discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 5 - George, Delgado, Carroll, Dryden and Brown

Nays: 0

Yea: 5 Council Member George
 Council Member Delgado
 Council President Carroll
 Council Vice President Dryden
 Council Member Brown

Text of Legislative File 2017-926



MAYOR
Toby Barker

COUNCIL - WARD ONE
Jeffrey George

COUNCIL - WARD TWO
Deborah Denard Delgado

COUNCIL - WARD THREE
Carter Carroll

COUNCIL - WARD FOUR
Mary Dryden

COUNCIL - WARD FIVE
Nicholas Brown

MEMORANDUM

TO: Ann Jones, Chief Administrative Officer

CC: Toby Barker, Mayor; Randy Pope, City Attorney; Andrew Ellard, Director of Urban Development; Samantha McCain, Chief Communications Officer; Andy Parker, City Arborist; Nicholas Brown, Councilman, Ward 5

FROM: Zach Jones, Administrative Assistant

DATE: December 1, 2017

SUBJECT: City Takeover of Historic Cemetery

On Tuesday, November 21, Ann Jones, CAO, called a meeting regarding the historic Mt. Olive Cemetery. In attendance were Ann Jones, CAO; City Attorney Randy Pope; Councilman Nicholas Brown; and Administrative Assistant Zach Jones.

Ms. Jones, Mr. Pope and Councilman Brown agreed that the city should request a title opinion on the piece of property in question and subsequently draft a resolution to authorize the city attorney to file eminent domain proceedings pursuant to MS Code 21-37-21, pending approval by the City Council.



MAYOR
Toby Barker

COUNCIL - WARD ONE
Jeffrey George

COUNCIL - WARD TWO
Deborah Denard Delgado

COUNCIL - WARD THREE
Carter Carroll

COUNCIL - WARD FOUR
Mary Dryden

COUNCIL - WARD FIVE
Nicholas Brown

MEMORANDUM

TO: Ann Jones, Chief Administrative Officer

CC: Toby Barker, Mayor; Randy Pope, City Attorney; Andrew Ellard, Director of Urban Development; Samantha McCain, Chief Communications Officer; Andy Parker, City Arborist

FROM: Zach Jones, Administrative Assistant

DATE: November 17, 2017

SUBJECT: City Takeover of Historic Cemetery

On August 23, 2017, the administration department received a call from Ms. Tirza Carmichael acting on behalf of her employer, Rob Tatum, and another citizen, Mrs. Vermell Tart Jackson. Mr. Tatum and Mrs. Jackson are requesting that the City take ownership of an abandoned but historically significant cemetery.

The cemetery has been recognized by the Mississippi Department of Archives and History as a historic site. The site has also been approved by the same department for a state historical marker for which Mr. Tatum has agreed to pay, on the condition that the city takes ownership of the cemetery and provides maintenance thereafter.

Background

In 1906, three employees of Tatum Lumber Company were given \$100 by W.S.F. Tatum to purchase land for the company's African-American workers to bury their deceased. The three employees subsequently purchased five acres of land on Helveston Road (now William Carey Parkway). The parcel is located at or near either 500 or 4600 William Carey Parkway (next to the former site of Ephesus Seventh-day Adventist Church).

The cemetery was in the path of the January 2017 tornado and is now overgrown and inaccessible by foot or vehicle due to fallen trees. Also, Mrs. Jackson has previously approached the City of Hattiesburg for help in cleaning up the property, sometime around 2013 or 2014. According to Mrs. Jackson, the city was only allowed to assist once due to the cemetery being a private one.

Historical Significance

An estimated 250 African-American Bon Homie community members, including veterans of World War I, are interred in the cemetery. The cemetery's history also has close ties to a well-known and influential Hattiesburg family.

Statutory Authority

Under Miss. Code Ann. Code § 21-37-21, the city has the authority to take ownership of the cemetery:

Should there be situated wholly within the corporate limits of any municipality a cemetery which, because of age, abandonment of graves by private owners, or for other good cause, is not being properly maintained, and thereby becomes detrimental to the public health and welfare, and should the governing authorities of that municipality determine that it is to the best interest of the said municipality that the municipality assume the maintenance of such cemetery, then such governing authorities shall have the power and they are hereby authorized to acquire title to such cemetery by gift, purchase, eminent domain, or otherwise and are authorized to thereafter maintain, repair, enlarge, fence or otherwise improve such cemetery.

Alignment with Comprehensive Plan

The city's acceptance of the deed to the property and the subsequent maintenance thereof would also accomplish goals and strategies outlined in the City's Comprehensive Plan. Specifically, under Goal 12 of the plan, the city aims to "Preserve, protect, and promote officially-designated and otherwise well-recognized historic districts and resources" by strategically "continu[ing] to identify and provide protection for previously unidentified historic resources."

Clean-up Arrangement

Mr. Tatum has previously offered to assist in the clean-up. According to a previous agreement between Mr. Tatum and City Arborist Andy Parker, the city would haul away the debris if Mr. Tatum had the property cleared. (See correspondence record 8/3/16.) The city would then take ownership of the cemetery following the cleanup.

Attachments: Title Opinion – Forrest County; Forrest County Land Survey Map of Parcel; Mississippi Department of Archives & History Letter, February 2017; Unattributed Summary on Mt. Olive Cemetery; Letter from Vermell Jackson to the Tatum Family with Transcript of Vermell Jackson's Oral Recounting of the Interred; State Historical Marker Payment Responsibility Acknowledgment; State Historical Marker Request Form; Proposed Historical Marker Text; Image of Proposed Site of Historical Marker; Annotated Record of Related Correspondence; Warranty Deed Filed in Perry County, November 8, 1906; Warranty Deed Filed in Forrest County, July 10, 1917

Richard & Thomas, PLLC
Attorneys at Law

132 Westover Drive
Hattiesburg, MS 39402

Stephen K. Thomas

(601)602-2457 phone
(601)602-2458 fax

November 30, 2017

Mr. Randy Pope
City Attorney
City of Hattiesburg
P. O. Box 1898
Hattiesburg, MS 39403-1898

RE: TITLE OPINION - Mount Olive Cemetery
Forrest County, Mississippi.

Dear Mr. Pope:

Pursuant to your request, I have examined all public records of Forrest County, Mississippi, properly indexed affecting title to the above-described property, covering the period for thirty-one years preceeding the date and time hereof, as the same pertain to the subject realty. Based on such examination, it is my opinion that good and merchantable title to the subject realty is now vested in TRUSTEES OF THE MOUNT OLIVE CEMETERY, subject only to the following:

1. A lien for the 2017 Forrest County ad valorem Taxes which will not be due and payable until, on or about January 1, 2018, and will not be in default until, on or about February 2, 2018, and the lien of such taxes for subsequent years.
2. This opinion does not cover the status of title to minerals in, on or under the subject property and is subject to all valid and existing oil, gas, and mineral leases, exceptions, reservations and conveyances.
3. Rights of parties in possession, deficiency in quantity of land, discrepancies or encroachments, boundary line disputes, roadways, unrecorded servitudes or easements, and any matters not of record, including lack of access, which would be disclosed by an accurate survey and physical inspection of the subject property.

4. All existing easements, grants, or rights of way for public roads and for electric, telephone, telegraph gas, water, drainage or similar utility purposes; unrecorded mechanic's or materialmen's liens.

5. Matters not appearing of record which may defeat or impair title, such as forgery, fraud in the delivery of a deed, undisclosed or lost heirs, lack of mental capacity of a grantor, lack of corporate capacity to grant, or, in the alternative, lack of corporate officers, mistaken or incorrect legal interpretations made in estates, trusts, etc., improper delivery of a deed by reason of lack of consent, similar or identical names, and erroneous indexing of documents.

6. Taxes, special assessments, and other governmental charges not shown as existing liens by the public records; the effect, if any, of any unrecorded lease or leases.

7. Security interests that may have attached to fixtures on the subject property; personal property taxes, if any.

8. Compliance with any local, county, state or federal governmental law or regulations relative to zoning, subdivision, occupancy, use, construction or development of the subject property and the effect, if any, of any unrecorded restrictive covenants.

9. Usury or claims of usury and liability arising out of any "consumer credit protection plan" "truth-in-lending" or similar law; and/or Mississippi Small Loan Regulatory Act.

10. Matters occurring prior and subsequent to the inclusive dates of examination.

11. This opinion assumes that all matters of record pertaining to the subject property have been properly indexed in the sectional index of the appropriate jurisdiction.

12. Federal judgments and proceedings filed only in the federal courts, including, but not limited to, bankruptcy and federal condemnation proceedings.

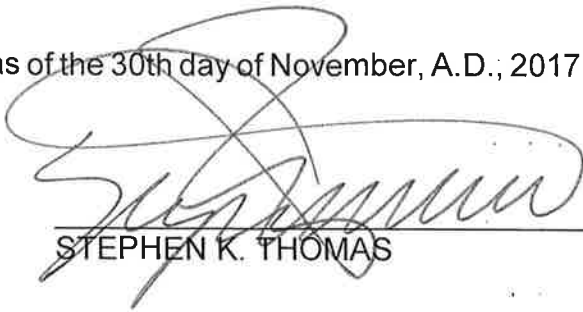
13. Subject to any unrecorded materialmen's or mechanic's liens.

14. Subject to any and all zoning ordinances and/or land use restrictions of applicable governmental units.

From such examination and subject to the above mentioned exceptions, I am of the opinion that good and merchantable title is vested in TRUSTEES OF THE MOUNT OLIVE CEMETERY, as stated above, in and to the following described property lying and being situate in Forrest County, State of Mississippi, and more particularly described as follows, to-wit:

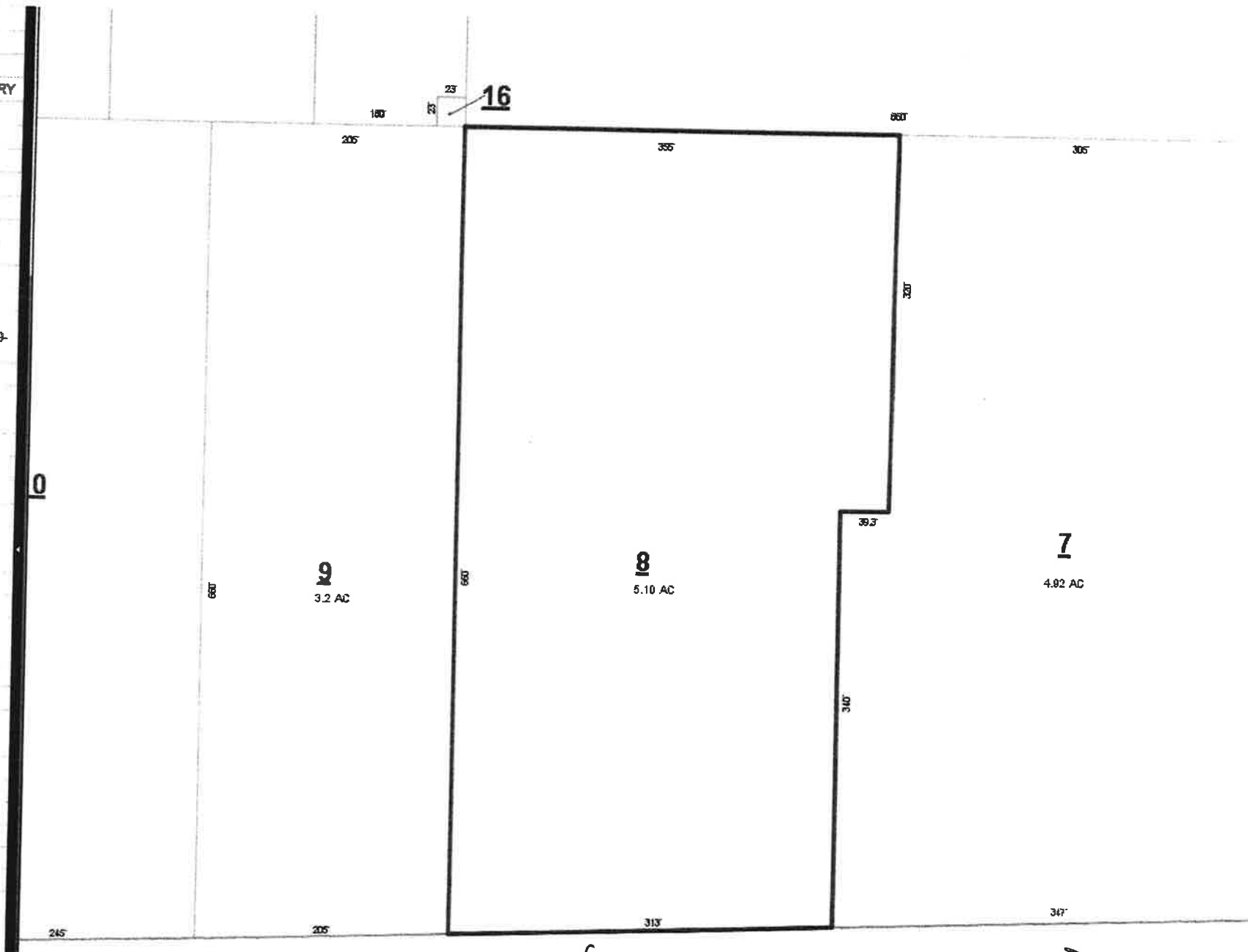
The W1/2 of the SE1/4 of the NE1/4 of the NE1/4 of Section 21,
Township 4 North, Range 13 West, Forrest County, Mississippi.

SIGNED at Hattiesburg, Mississippi, as of the 30th day of November, A.D., 2017, at 10:00
o'clock A.M.



STEPHEN K. THOMAS

Attribute	Value
PPIN	27434
PARCEL_ID	2-038K-21-008.00
OWNERNAME	MT OLIVE CEMETERY
ADDRESS1	
ADDRESS2	
ADDRESS3	
CITY	
STATE	
ZIP	39401
SECTION	21
TOWNSHIP	04N
RANGE	13W
LEGAL1	W 1/2 SE 1/4 NE 1/4 NE 1/4 PREV #H1039- 00-187
LEGAL2	
LEGAL3	
TAX_DIST	1110
REGION	LCP
CULT_AC1	0
CULT_AC2	0
UNCULT_AC1	0
UNCULT_AC2	5.1
TOTAL_AC	5.1
CULT_VAL1	0
CULT_VAL2	0
UNCUL_VAL1	0
UNCUL_VAL2	25450
LAND_VAL	25450
IMP_VAL1	0
IMP_VAL2	0
TOTALVALUE	25450
EXEMPT_COD	11
SCHOOL_COD	
HOMESTEAD	
DEED_BOOK	Z
DEED_PAGE	78
DEED_DATE	8.11.1906
SITUS_ADDR	0 WILLIAM CAREY PARKWAY



← Helveston Rd / Wm Carey Pkwy →

2/13/17 CALLED JIM WOODRICK & CONFIRMED
PLAQUE WOULD NOT BE PRINTED
UNTIL WE GIVE DIRECTION
601-576-6908



BEHIND 7TH DAY
ADVENTIST CHURCH

February 8, 2017

Mr. Robert O. Tatum, Jr.
11 Parkway Blvd.
Hattiesburg, Mississippi 39401

4600 WILLIAM
CAREY PKWY

Dear Mr. Tatum:

RE: Mount Olive Cemetery State Historical Marker

MS CODED § 21-37-21

We are pleased to inform you that the Board of Trustees of the Department of Archives and History, at its January meeting, approved your request for a state historical marker for the Mount Olive Cemetery. A proposed text will be submitted for your review. The Department of Archives and History, in accordance with the policies adopted by the Board of Trustees, reserves the right to approve the final marker text.

Once cast, the marker will be shipped to the Mississippi Department of Transportation District office nearest you and you should be contacted by the Department of Transportation upon its arrival. The manufacturer, Sewah Studios of Marietta, Ohio, will bill you for the marker at the time it is shipped.

It is certainly fitting that Mississippi's historic sites are recognized through the placement of state historical markers. We would solicit your assistance in inspecting and monitoring this marker, once it is erected, to insure that it is properly maintained.

If the Department of Archives and History can ever be of further assistance to you, please do not hesitate to call.

Sincerely,


Jim Woodrick
Director, Historic Preservation Division

TIRZA CARMICHAEL
(601) 336-5050

Mt Olive Cemetery
Helveston Road at Mt Olive Church

Mrs. Vermell Tart Jackson
801 Martin Luther King Drive
Hattiesburg, MS 39401
601-582-4467

November 8, 1906 – WSF Tatum gave \$100.00 to 3 employees of Tatum Lumber Company to purchase land for a cemetery for the Black workers to bury their deceased.

The 3 employees were Elder Roma Anderson, Mr. Sam McClendon, and Mr. Ed Price. They served as trustees and are listed on the deed along with their successors.

Varied spelling of employees names on multiple documents: Roman Anderson/Romeo Anderson, Sam McLelland, Ed Pride.

5 acres of land was purchased from Mr. Willie Hodges with the warranty deed recorded with Perry County, MS on November 8, 1906.

Due to redistricting, the warranty deed was redrawn and recorded with Forrest County, MS on July 11, 1917.

The City of Hattiesburg incorporated 16 Section county land, but the cemetery was left out due to the fact that most of the trustees were deceased by that time, and the successors were unaware it should have been included.

The persons interred at Mt Olive Cemetery were buried by community members at no cost to the families. Some of the 100+ deceased served as veterans in various branches of the United States military.

For several years, members of the community were able to maintain the cemetery, but as they aged and passed away, the cemetery grew into disrepair. In 2013/2014 Mrs. Jackson approached the City of Hattiesburg for help in clean-up, which they were able to do as a one-time clean-up. The City could only offer this once as the State designates it a private cemetery.

February 8, 2016
801 Martin Luther King Drive
Hattiesburg, MS 39401

TO: The Tatum Family
Tatum Lumber Company
Hattiesburg, MS 39404

In 1906 your great grandfather, Mr. W. S. F. Tatum, gave three men who worked at Tatum Lumber Company \$100 to purchase land for a cemetery for the Black workers to bury their dead. There was not a place of burial for Blacks on this side of town. Your great grandfather, called Pa Tatum by many of the community, also donated land to Women's College. The cemetery was named Mt. Olive Cemetery. The three men, Elder Roma Anderson, Mr. Sam McClendon (my late husband's grandfather) and Mr. Ed Price were trustees and are listed on the deeds and their successors (copy attached). The deed was redrawn in 1917 due to redistricting. The land for the cemetery was located adjacent

The property which was purchased lies off Helveston Road, now William Carey Parkway, and is adjacent to the park that bears the Tatum name. The land for the cemetery was located between property owned by my and my late husband's families, Hales-Parker and McClendon properties. The late Mr. Bedney Davis took over the operation of the cemetery for many years, cut and sold timber, etc. His son Tommy Davis oversees the cemetery but he nor his family own the land or the cemetery.

Workers of Tatum Sawmill and Lumber Company, their families and community members are buried in the cemetery. Most of the original trustees are buried in the cemetery. Because I was born and raised in the Bonhomie community, I remember much of the history, including births and burials. Attached you will find a list of those I remember who are buried in the cemetery. To my knowledge I am the oldest living resident, born in Old Quarters, Bonhomie, MS in 1928. My father, Eddie Tart worked for Tatum Sawmill until it closed. He ran a planar, a contraption on rails that rolled the length of the pole and cut the lumber into boards. There were only three men that could do this work during that time, Mr. Nelson Woods, Mr. Foster Brown and my father. I remember many days at the sawmill, riding on the planar with my father, going to the commissary to buy lunch, spending a 25cent brozee (drawn on my father's pay) to buy cheese, a loaf of bun bread and a Barq's Root Beer. My grandfather Charlie Hales and uncles AG Hales also worked at the mill. I even remember the sawmill closing and the plant relocating to Yarbrough, Alabama. My father relocated to work at the plant and a Sunday in 1937 was the last time I saw my father. Our family, which lived in Tatum Quarters for many years, moved to 21 Section where I still reside today.

I need your help. The cemetery is overgrown and in disrepair. Attempts have been made over the years to clean the cemetery. I went to the City Council and the City was able to clean it up once. However, a ruling by the State Attorney General would not allow them to continue the upkeep since they ruled the cemetery is a private cemetery. However, the cemetery is not privately owned. It belonged to the community. No one buried there had to pay for grave spaces. The community men dug and covered the graves at no expense to families. When the City of Hattiesburg incorporated 16 Section (County) land the cemetery should have ^{been} included. However we did not know that at the time and most of the trustees were dead. The young men in the community later tried to keep up the cemetery but because of stumps they have been unable to maintain it.

As you can see from the enclosed attachments, hundreds of Bon Homie community members are buried in the cemetery. Their final resting place deserves a marker and recognition in a community where most spent all of their lives, working and making this a better place for your family and mine. I am asking that in memory of your family and all those who worked for Tatum Sawmill and Lumber Company, that your family help with clean-up and obtaining a cemetery marker.

I am approaching my 88th birthday and realize that not many are alive who remember the generosity of the Tatum family toward providing the funds for the land. I now ask that the family consider clean-up and maintenance to preserve a historical community landmark, continuing that generosity.

If you need further information, please contact me. I eagerly await your response concerning this matter. I can be reached at the above address or by phone at (601) 582-4467.

Sincerely,

(Mrs.) Vermell Tart Jackson

Attachments: Cemetery Deed & Map
List of Community Members buried in Cemetery

*Original Mt. Olive Cemetery - ³Wheeler Rd
now
Wom Carey Parkway*

Some of the people buried there include:

Roman Anderson and wife
Beasley family members
Leo Bell
Percy Bell
Laura Boykins
Dago Brown and family members
Major Burkett and family members
Sonny Burkett
Charlie and Caroline Daughtery
Britt Dozier
Earnestine Dozier
Percy Dozier
Sam and Emma Gaines
Gould family members
Bro. and Sis. Green (Hardy Thorne's
grandparents) and family members
Hales family members
Bro. Caleb and Johnnie Harrell
Elder Anthony and Ollie Hicks
Elder and Sis. Josie Hill (Tommy Davis'
grandparents)
* Leon Hooker - veteran-Fought in
World War I in Guatemala and family
members
Ed and Georgia Hudnall
Cora Jackson (my mother in law)
Homer Jackson
Jemison Family Members
Clarence Jones
Lou and Bill Jones
Collin and Sis. Jordan
David King

J.C. King
Sims King
Doc and Sis. Earnestine Kirk
Mary Level
Lee Marshall and family members
Mary McGrew and family members
Charlie and Cora Bell McLeod
Tom McLeod
Sam and Edith McClendon
* John McLendon—veteran Fought in
World War I
Martha Mack
Bro. Bob and Viola Mosley
Norris family members
Parker family members
Parks family members
Bro. and Sis. Perkins
Pickett Family members
Lyles Price and family members
Ed Pride
Shelton family members
Deacon and Sis. Stewart
Thomas family members
Trotter family members
Bro. and Sis Young
Wheeler family members
Williams family members
Susie Wright
Cliff and Daisy _____ (cousins to
Hardy Thorne)
Many babies and grandchildren

Much of this information was given orally by Vermell Jackson during the summer of 2010. Information has been since added as she remembered.

* Veterans

APPLICATION FOR
STATE HISTORICAL
MARKER

MAILED 9/13/16

APPROVED JAN 2017

STATE HISTORICAL MARKER
PAYMENT RESPONSIBILITY ACKNOWLEDGE

I / We the undersigned sponsor(s) do hereby acknowledge and understand that the sponsor(s) are solely responsible for the cost of State Historical Markers. Upon approval of this request/application and subsequent approval of marker text drafted by Department staff with sponsor consent, I/ we also agree that payment will be submitted to the manufacturer, Sewah Studios, in a timely manner.

Sponsor(s) Address and Telephone Number:

Robert O. Tatum Jr

11 Parkway Blvd

Hattiesburg MS 39401

601-336-5050

Signed: 

Print Robert O. Tatum, Jr

Date: 9-13-16

STATE HISTORICAL MARKER REQUEST FORM
MISSISSIPPI DEPARTMENT OF ARCHIVES AND HISTORY

NAME OF HISTORICAL MARKER

MOUNT OLIVE CEMETERY

SUGGESTED LOCATION OF MARKER

*Near the entrance to the cemetery located on William Carey Parkway,
formerly Helveston Road, adjacent to Ephesus Seventh-day Adventist
Church (Hattiesburg, MS) | 500 William Carey Parkway | Hattiesburg, MS
39401-7775)*

STYLE OF MARKER PREFERRED

1"

IS THIS REQUEST FOR A NEW OR A REPLACEMENT MARKER?

New

REFERENCES FOR DOCUMENTATION OF MARKER (Please include copies of any available research materials and at least one photo of the proposed marker location):

- (1) 1906 Warranty Deed*
- (2) 1917 Warranty Deed —given in lieu of and to correct an error in the 1906 deed*
- (3) map of cemetery*
- (4) Information from Vernell Jackson, whose husband was the grandson of one of the original trustees, with names of some of the individuals buried in the cemetery*
- (5) Ties to Bonhomie historical marker which can be found at*
<http://www.waymarking.com/gallery/image.aspx?f=1&guid=a7cae75f-b087-4318-8303-ca0d73529683>

Date Installed:: 2008/1/1 **Organization that placed the object::** Mississippi Department of Archives and History **Related Website::** [\[Web Link\]](#) **Photo or photos will be uploaded.:** yes

NAME OF INDIVIDUAL OR ORGANIZATION SPONSORING MARKER.
PLEASE INCLUDE MAILING ADDRESS AND PHONE/ FAX NUMBER(S).

Department of Urban Development
Historic Preservation Department – Division of Planning
Mr. Russell Archer, Historic Preservation Planner
City of Hattiesburg
rarcher@hattiesburgms.co

Planning Division *Mailing Address: Post Office Box 1898 Hattiesburg, MS 39403-1898*
Physical Address: 212 West Front Street Hattiesburg, MS 39401
Historic Preservation Phone: 601-554-1031 Fax: 601-545-1962

DOES THE SPONSOR WISH TO SUGGEST A MARKER TEXT?

Yes

IF SO, PLEASE INCLUDE A SAMPLE TEXT ON THE GRID PROVIDED.

(See attached.)

The Department of Archives and History, in accordance with the policies adopted by the Board of Trustees, reserves the right to approve the final marker text.

SEND REQUEST FORM TO:

MISSISSIPPI DEPARTMENT OF ARCHIVES AND HISTORY

Attn: Historical Markers

Post Office Box 571

Jackson, Mississippi 39205-0571

Telephone 601-576-6940 or Fax 601-576-6955

MOUNT OLIVE CEMETERY

Hattiesburg, Mississippi

**Established 1906 as a Public Cemetery for
Bonhomie Community and Tatum Mill Workers.**

W.S.F. Tatum, owner of Tatum Lumber Co.

which operated from 1893 to 1938,

donated \$100 to establish the cemetery.

Sam McClendon, Ed Pride, Romeo Anderson

Trustees of the *Mount Olive Cemetery*,

purchased 5 acres from Willie Hodges.

An estimated 250 men, women and children

are buried here, including the trustees

and U S World War I Veterans.

LOCATION OF MT. OLIVE CEMETERY MARKER



**Marker to be located at front center of the cemetery,
visible from William Carey Parkway
Clean-up in progress**

February 8, 2016 – Mrs. Jackson approached Rob Tatum with the preceding information and now nearly 110 years following Mr. WSF Tatum's gift to purchase the land for the cemetery, the Tatum family would like to help it to become a State Historical Site and assist in the clean-up of the cemetery. After which, it would be hoped that the City of Hattiesburg will take over ownership of the cemetery and provide maintenance.

July 2016 - Rob Tatum's office began attempts to have State Historical Society place marker at cemetery and work with the City of Hattiesburg for assistance in future maintenance.

Patty Brantley – City of Hattiesburg 601-520-8504 pbrantley@hattiesburgms.com

8/1/16 Stated City was aware of request for help and was offering assistance of Russell Archer (Hatt Hist Soc) and City Arborist Andy Parker

Russell Archer – Hattiesburg Historical Society (prev w/State Historical) 601-554-1031

8/2/16 Advised that Dr Margaret Shelton, board member of HHCC, was also interested in attaining State Historical recognition (Dr Shelton was appointed to board by Mayor 2/17/15 to serve for a term of 5 years)
Advised that application process for state recognition could take 3 – 6 months and cost of the marker approximately \$2,200 - regular marker with plaque cost approximately \$800 (Erie Monument, Allen's Trophies)

Andy Parker – City of Hattiesburg Arborist 601-545-1541

8/3/16 Advised that in 2014, City used 6 people over a period of 3 days to chain-saw and bush-hog cemetery, but that due to state designating cemetery as private, it was only allowed to clean up one time.
Advised that trees should be left as canopy to keep undergrowth to a minimum, but due to current condition, the clearing will take chain-saws and a good deal of manual labor (large equipment isn't advised due to the number of gravesites). If it is cleared and the woody-debris hauled to the church parking lot next to the cemetery, the city can then haul off the debris.
Stated that once the property is cleaned up, then a request to the Mayor of Hattiesburg may be made to take ownership of cemetery and the on-going maintenance would then be done by the city.

Todd Sanders – MS Department of Archives & History 601-576-6940

8/4/16 left message for Mr. Sanders to return our call when he returns to his office on 8/8/16

8/10/16 left message to return call

Jim Woodrick – MS Historic Preservation Division 601-576-6908

8/12/16 left message to return call

8/15/16 Advised that if there has been no burial there in 50 years, the State Historic Preservation board could certify it as an "Abandoned Cemetery" which would allow the county to maintain – not enforce maintenance, but use county funds to maintain if the county chooses to do so.
As for the Historic Marker – it is funded by a private party/individual, not the state – it is not tied to the National Registrar and not considered a Mississippi Historical Landmark, unless it is tied to a community which is no longer there.

9/7/16 Vermester Bester (Ms Jackson's daughter) 601-329-9886 brought documents to Tatum office – Russell Archer of City of Hattiesburg Archer – put all documentation together for submitting to the state for approval

11/30/16 spoke w/Jim Woodrick (MS Historical Preservation Division) – did not receive application in time for November quarterly meeting – will go to January 2017 meeting and once text is approved, the state will notify Rob Tatum (payment responsibility) and he will give approval to have marker printed

2/8/17 received approval from MS Historical Prsv Div that text is approved – Rob asked for a hold on printing marker until land has been cleared

3/ /17 Ms Bester contacted us to say they are asking City of Hattiesburg accept deed to cemetery so they can maintain the property

4/ /17 Rob is to speak to Mayor Dupree about accepting cemetery deed before paying for marker

8/23/17 - Briefed new administration

WILLIE HODGES

TO () DEED

MT. OLIVE CEMETARY

WARRANTY DEED.

FILED for Record November 8, 1906 at 11.30 o'clock A.M. and
RECORDED November 8, 1906.

T.E. Watson, Clerk.

D.C.

FROM Willie Hodges to Romeo Anderson, Sam McDalland, Ed Pride and their successors as trustees of the Mount Olive Cemetery.

In consideration of One hundred no lara (\$100.00) I hereby bargain, sell, convey and warrant to Romeo Anderson, Sam McDalland and Ed Pride, trustees of the Mount Olive Cemetery, and their successors the following described land, situated in the County of Perry, State of Mississippi, to-wit: W $\frac{1}{2}$ of N E $\frac{1}{4}$ of N E $\frac{1}{4}$ of N E $\frac{1}{4}$ of Section (20) Tp 4 N R 13 W, containing 5 acres. This deed is given for the express purpose of a cemetery.

Witness our signatures, this 28 day of August A.D. 1906.

Willie Hodges.

THE STATE OF MISSISSIPPI, SECOND DISTRICT, PERRY COUNTY.

Personally appeared before me, T.J. Nixon, Clerk of the Circuit Court of said County, the above named ~~Willie Hodges~~ Hodges, who acknowledged that he signed and delivered the foregoing instrument on the day and year therein mentioned.

Given under my hand and seal at Hattiesburg, this 28 day of August A.D. 1906.

(SEAL) Recording fee, \$.75

T.J. Nixon, Clerk.

Back Z page 78

Willie Hodges

To () Deed

Mt. Olive Cemetery

Filed for record at 5.30 o'clock P.M. July 10th, 1917.

Recorded July 11th, 1917. Herbert Gillis, Clerk.

By J.S. Garraway D.C.

WARRANTY DEED.

The State of Mississippi,

County of Forrest.

For and in consideration of the sum of One Hundred Dollars (\$100.00) I, Willie Hodges do hereby grant, bargain, sell, convey and warrant unto Romeo Anderson, Sam McLelland and Ed Pride and their successors, as Trustees of the Mt. Olive Cemetery the following described land situate in the County of Forrest, and State of Mississippi, to-wit:-

W₁ SE₁ NE₁ NE₁, Section 21, T 4 N.R 13 W. Forrest County, Mississippi. This deed is given in lieu of and to correct an error in a former deed given by myself for the same purpose which erroneous deed is recorded in Book "Z", page 78 in the Chancery Clerk's office, Forrest County, Mississippi.

Witness my signature this the 4th day of June A.D. 1917.

Willie Hodges.

The State of Mississippi,

County of Clarke.

Personally appeared before me, the undersigned authority in and for the State and County aforesaid, the above and within named Willie Hodges who acknowledged that he

Book 14 Page 398

signed and delivered the above and foregoing instrument on the day and year therein mentioned.

Given under my hand and official seal, this the 5th day of June A.D. 1917.

(SEAL) Recording fee, \$.75

of District # 3, Clarke County, Miss.

T.J. Harper, Justice of the Peace

123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100

Goals and Strategies

neighborhood associations; mobilize neighborhood residents to improve neighborhood conditions and participate in civic issues and community decision-making.

Strategies:

- A. Continue programs to help neighborhood associations mobilize residents to improve neighborhood conditions and participate in civic issues and community decision-making.
- B. Continue to work with neighborhood residents to establish new neighborhood associations and reinvigorate associations that are defunct.
- C. Include a special neighborhood section on the City's website to highlight neighborhoods and announce neighborhood activities, contact information and meeting dates.

Goal 12: *Preserve, protect, and promote officially-designated and otherwise well-recognized historic districts and resources.*

Strategies:

- A. Support existing officially-designated historic districts through enforcement of the historic conservation ordinance and the operation of the Historic Conservation Commission.
- B. Extend local historic district designation to include identified historic districts and resources to provide design review and other protections of the historic ordinance.
- C. Continue to identify and provide protection for previously unidentified historic resources, i.e., conduct new surveys of potential districts and resources.

Certified Retirement Community

Goal 13: *As a certified retirement community, provide residential development options and quality of life amenities that are attractive to retirees.*

Strategies:

- A. Provide housing options such as planned residential developments, garden or patio homes on small, low-maintenance lots, condominiums, townhomes, and independent-living and assisted-living facilities.
- B. Continue to promote Hattiesburg's state-of-the-art medical community as an amenity to retirement living.
- C. Promote Hattiesburg's health and fitness opportunities.



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-930

File ID: 2017-930

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Ann Jones

File Created: 12/12/2017

Brief Title: Authorize Payment for Old Hattiesburg American Building

Final Action: 12/19/2017

Minute Book Number: MB2017-481-482

Title:

Authorize payment to Main Street Restoration, LLC, for a total amount of \$16,276.17 covering the costs for the 2017 City Taxes in the amount \$6,326.17 and \$9,950.00 for environmental study, topographic survey and measured drawings for the property located at 825 North Main Street, formerly known as the Hattiesburg American Building.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: V.-18

Sponsors:

Enactment Date:

Attachments: Hattiesburg American Building Invoice, Hattiesburg American Building Tax Breakdown

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Ann Jones

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	12/18/2017					
1	City Council	12/19/2017	Authorize				Pass

Action Text: A MOTION was made by Council Vice President Dryden and seconded by Council Member Delgado to Authorize payment to Main Street Restoration, LLC, for a total amount of \$16,276.17 covering the costs for the 2017 City Taxes in the amount \$6,326.17 and \$9,950.00 for environmental study, topographic survey and measured drawings for the property located at 825 North Main Street, formerly known as the Hattiesburg American Building.

There being no discussion, the Motion received the affirmative vote of the Council as follows:

Yeas: 5 - George, Delgado, Carroll, Dryden and Brown

Nays: 0

Yea: 5 Council Member George
 Council Member Delgado
 Council President Carroll
 Council Vice President Dryden
 Council Member Brown

Text of Legislative File 2017-930

Title

Authorize payment to Main Street Restoration, LLC, for a total amount of \$16,276.17 covering the costs for the 2017 City Taxes in the amount \$6,326.17 and \$9,950.00 for environmental study, topographic survey and measured drawings for the property located at 825 North Main Street, formerly known as the Hattiesburg American Building.

Summary

Authorization for Payment

Budget Information

Expenditure Type

Purchasing Item

Publication Information

INVOICE

DATE: December 19, 2017

Remit To:

Main Street Restoration, LLC.
A Mississippi Limited Liability Company
179 Churchwell Road
Purvis, MS 39475
(601) 794-5142

Bill To:

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403

Item	Description	Total
1	2017 City Taxes	\$6,326.17
1	Environmental Review, Topographical Survey, and measured Drawings for the Old Hattiesburg American Building	<u>\$9,950.00</u>
		\$16,276.17

Forrest County Mississippi



Delta Computer Systems, Inc.

Property Link

FORREST COUNTY, MS

Current Date 12/18/2017

 Tax Year 2017
 Records Last Updated 12/18/2017
PROPERTY DETAIL
OWNER MAIN STREET RESTORATION LLC
 179 CHURCHWELL ROAD
ACRES : **NA****LAND VALUE : 100000****IMPROVEMENTS : 690080**

PURVIS MS 39475

TOTAL VALUE: 790080**ASSESSED : 118512****PARCEL** 2-029J-10-125.00**ADDRESS** 825 MAIN STREET**TAX INFORMATION**

YEAR 2017	TAX DUE	PAID	BALANCE
COUNTY	7844.31	0.00	7844.31
CITY	6326.17	0.00	6326.17
SCHOOL	7359.60	0.00	7359.60
TOTAL	21530.08	0.00	21530.08

LAST PAYMENT DATE **NA****MISCELLANEOUS INFORMATION**

EXEMPT CODE	LEGAL	POB SW COR LT 1 NWLY ALG E/LN
HOMESTEAD CODE None	MAIN	
TAX DISTRICT 1110	ST 541.6 N 57DEG 25MIN E 177.5	
PPIN 014596	N	
SECTION 04	32DEG 57MIN W 96.43 N 57DEG 25	
TOWNSHIP 04N	MIN E	
RANGE 13W	5.0 N 63DEG 59MIN E 5.0 S 41DE	
	G	

Book 1164**Page** 105**TAX SALES HISTORY, FOR UNPAID TAXES**YearSold ToRedeemed Date/By****NO TAX SALES FOUND****[View Appraisal Record](#)

[Forrest County Home](#) |
 [Chancery Court](#) |
 [Instrument Indexing](#) |
 [Online Property Tax Payments](#) |
 [Online Personal Property Tax Payments](#) |
 [Online Mobile Home Tax Payments](#) |
 [Online Car Tag Payments](#) |
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City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-912

File ID: 2017-912

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Anthony Parker

File Created: 12/11/2017

Brief Title: Inspection/Maintenance Contract - Malone Roofing

Final Action:

Minute Book Number: MB2017-487

Title:

Authorize Mayor to enter into an inspection/maintenance contract between the City of Hattiesburg and Malone Roofing Services, LLC for the roof at the Hattiesburg Police Department (temporary facility) located at 300 Klondyke St.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: VI.-1

Sponsors:

Enactment Date:

Attachments: Parker-Memo, MRS-Contract, executed
MRS-Contract

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Tammy Leggett

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017					

Text of Legislative File 2017-912

Title

Authorize Mayor to enter into an inspection/maintenance contract between the City of Hattiesburg and Malone Roofing Services, LLC for the roof at the Hattiesburg Police Department (temporary facility) located at 300 Klondyke St.

Summary

Inspection/Maintenance Contract

Budget Information

[Enter Budget Information Here Without Parentheses. Example: Cost Center Line Item, Amount]

Expenditure Type

[Enter Expenditure Type Here Without Parentheses. Example: Regular Budget Item, Grant, Lease Purchase, etc.]

Purchasing Item

[Enter Purchasing Item Here Without Parentheses. Example: Sealed Bid, State Contract, Unadvertised Bid, Regular Purchase.]

Publication Information

[Please enter publication sites and dates]



THE CITY OF HATTIESBURG

One of America's Great Small Cities!

December 11, 2017

Chief Anthony Parker
Hattiesburg Police Department
300 Klondyke Street
Hattiesburg, MS 39401

Re: Malone Roofing Services, LLC.

Mayor and Counsel:

Please accept this letter as a formal request to have 300 Klondyke Street (temporary Police Department) enter into an inspection/maintenance contract with Malone Roofing. This contract is for a period of December 19, 2017 to December 18, 2019. Either party must provide a 30 day notice prior to the next inspection to cancel said contract.

Attached is a copy of a proposal from Malone Roofing Services, LLC, a report that was completed by RSI and Better View on behalf of Everest and Genesee General.

As always, should you have any questions or concerns in reference to this information, please do not hesitate to contact me.

Sincerely,

Anthony Parker

AP/srh

(601) 545-4903

CRIME STOPPERS

HATTIESBURG POLICE DEPARTMENT
#1 GOVERNMENT PLAZA • HATTIESBURG, MS 39401

(601) 582-STOP (582-7867)

FAX (601) 545-4952

CELLULAR * C.S.

*Proposal*

Tuesday, November 21, 2017

Proposal No. 17-411To: Shannon Harris
City of HattiesburgMS C.O.R. No.: 19624-MCRe: Inspection/Maintenance Contract
Police Department Temp Facility
Hattiesburg, MS**We hereby propose to:**

- Provide labor to perform roof top inspections to entire TPO roof system. A detailed report of any findings shall be submitted upon completion of inspection. This to be done in February and August.
- Remove any minor dirt and debris from roof top and around drains.
- Provide labor and materials to repair minor issues while onsite. This shall not exceed 2 hours in labor. (Any larger repairs will be submitted in a proposal for approval.)

Excluded from this proposal:

- Any other repairs not stated in above column.

Notes:

- General liability and workman's compensation insurance **are included.**
- Sales tax **is not included**
- Malone Roofing Services LLC. Reserves the right to withdraw this proposal if not accepted within thirty (30) days.
- **This contract shall run December 19, 2017- December 18, 2019 unless notified in written within 30 days next inspection. MRS and City of Hattiesburg have to right to cancel contract under these terms.**

Price Per Year
(2 Inspections): \$2,000.00**NOTE: All service calls not covered under the manufacturer's warranty will be billed at \$155.00 per hour for a 2-Man crew plus materials. Travel shall be charged at a flat in town fee of \$35.00.**

Quoted By:


Wesley Alexander

12/12/17

Date

Acceptance of Proposal: By signing below, the above prices, specifications, and conditions are satisfactory and are hereby accepted by me a true final officer authorized to make financial obligations on behalf of my employer. You are authorized to do the work as specified. Payments will be made within 30 days of invoice. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements are contingent upon strike, accidents, or delays beyond our control. Owner shall carry fire, tornado, and builders risk insurance.

Acceptance:

Signature

Date

9352 S Choctaw
439 Dory Street
2550 N. Palafox Street
#1 Commerce Dr Ste
200Baton Rouge, LA 70815
Jackson, MS 39201
Pensacola, FL 32501
Hattiesburg, MS 39402Ph: 225-218-4475
Ph: 601-709-2391
Ph: 850-429-1577
Ph: 601-544-1188Fax: 225-388-5415
Fax: 601-709-2395
Fax: 850-429-1578
Fax: 601-545-2205



17-411 Hattiesburg Police Dept.

Proposal

Tuesday, November 21, 2017

Proposal No. 17-411

To: Shannon Harris
City of Hattiesburg

MS C.O.R. No.: 19624-MC

Re: Inspection/Maintenance Contract
Police Department Temp Facility
Hattiesburg, MS

We hereby propose to:

- Provide labor to perform roof top inspections to entire TPO roof system. A detailed report of any findings shall be submitted upon completion of inspection. This to be done in February and August.
- Remove any minor dirt and debris from roof top and around drains.
- Provide labor and materials to repair minor issues while onsite. This shall not exceed 2 hours in labor. (Any larger repairs will be submitted in a proposal for approval.)

Excluded from this proposal:

- Any other repairs not stated in above column.

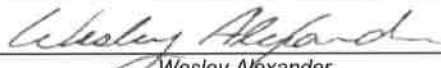
Notes:

- General liability and workman's compensation insurance **are included.**
- Sales tax **is not included**
- Malone Roofing Services LLC. Reserves the right to withdraw this proposal if not accepted within thirty (30) days.
- **This contract shall run December 19, 2017- December 18, 2019 unless notified in written within 30 days next inspection. MRS and City of Hattiesburg have to right to cancel contract under these terms.**

Price Per Year
(2 Inspections): \$2,000.00

NOTE: All service calls not covered under the manufacturer's warranty will be billed at \$155.00 per hour for a 2-Man crew plus materials. Travel shall be charged at a flat in town fee of \$35.00.

Quoted By:

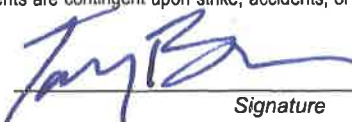

Wesley Alexander

12/12/17

Date

Acceptance of Proposal: By signing below, the above prices, specifications, and conditions are satisfactory and are hereby accepted by me a true final officer authorized to make financial obligations on behalf of my employer. You are authorized to do the work as specified. Payments will be made within 30 days of invoice. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements are contingent upon strike, accidents, or delays beyond our control. Owner shall carry fire, tornado, and builders risk insurance.

Acceptance:


Signature

12-19-17

Date

9352 S Choctaw
439 Dory Street
2550 N. Palafox Street
#1 Commerce Dr Ste
200

Baton Rouge, LA 70815
Jackson, MS 39201
Pensacola, FL 32501
Hattiesburg, MS 39402

Ph: 225-218-4475
Ph: 601-709-2391
Ph: 850-429-1577
Ph: 601-544-1188

Fax: 225-388-5415
Fax: 601-709-2395
Fax: 850-429-1578
Fax: 601-545-2205



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-925

File ID: 2017-925

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 12/11/2017

Brief Title: Acknowledging appointments of Deputy Municipal Court Clerks Armendia Esters and Ashley Fortenberry.

Final Action:

Minute Book Number: MB2017-487

Title:

Acknowledge receipt of appointments by Municipal Court Judge Wes Curry of Armendia Esters and Ashley Fortenberry as Deputy Municipal Court Clerks.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: VI.-2

Sponsors:

Enactment Date:

Attachments: Fortenberry-Oath, Esters- Oath

Enactment Number:

Contact:

Meeting Date:

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017					

Text of Legislative File 2017-925

Title

Acknowledge receipt of appointments by Municipal Court Judge Wes Curry of Armendia Esters and Ashley Fortenberry as Deputy Municipal Court Clerks.

Summary

Acknowledging appointments of Deputy Municipal Court Clerks Armendia Esters and Ashley Fortenberry.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

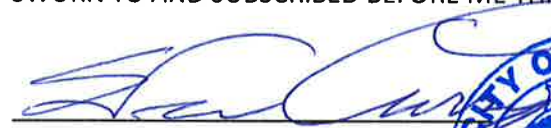
STATE OF MISSISSIPPI
COUNTY OF FORREST
CITY OF HATTIESBURG

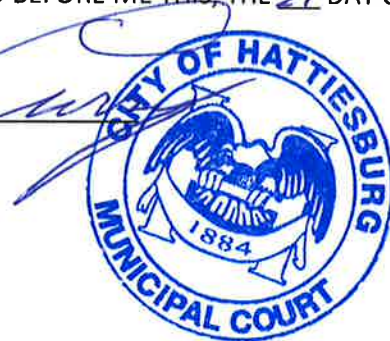
OATH OF OFFICE

I, ASHLEY FORTENBERRY, DO SOLEMNLY SWEAR THAT I WILL FAITHFULLY SUPPORT THE CONSTITUTION OF THE UNITED STATES OF AMERICA AND THE CONSTITUTION OF THE STATE OF MISSISSIPPI, AND OBEY THE LAWS THEREOF; THAT I AM NOT DISQUALIFIED FROM HOLDING THE OFFICE OF DEPUTY COURT CLERK OF THE CITY OF HATTIESBURG, MISSISSIPPI; THAT I WILL FAITHFULLY DISCHARGE THE DUTIES OF DEPUTY COURT CLERK OF SAID CITY, UPON WHICH I AM ABOUT TO ENTER. SO HELP ME GOD.


ASHLEY FORTENBERRY

SWORN TO AND SUBSCRIBED BEFORE ME THIS, THE 27 DAY OF DAY OF OCTOBER, 2017.


MUNICIPAL COURT JUDGE



STATE OF MISSISSIPPI
COUNTY OF FORREST
CITY OF HATTIESBURG

OATH OF OFFICE

I, ARMENDIA ESTERS, DO SOLEMNLY SWEAR THAT I WILL FAITHFULLY SUPPORT THE CONSTITUTION OF THE UNITED STATES OF AMERICA AND THE CONSTITUTION OF THE STATE OF MISSISSIPPI, AND OBEY THE LAWS THEREOF; THAT I AM NOT DISQUALIFIED FROM HOLDING THE OFFICE OF DEPUTY COURT CLERK OF THE CITY OF HATTIESBURG, MISSISSIPPI; THAT I WILL FAITHFULLY DISCHARGE THE DUTIES OF DEPUTY COURT CLERK OF SAID CITY, UPON WHICH I AM ABOUT TO ENTER. SO HELP ME GOD.

Armendia Esters

ARMENDIA ESTERS

SWORN TO AND SUBSCRIBED BEFORE ME THIS, THE 27 DAY OF DAY OF OCTOBER, 2017.

[Signature]

MUNICIPAL COURT JUDGE





City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-898

File ID: 2017-898

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Anthony Parker

File Created: 12/01/2017

Brief Title: Acknowledge receipt of Declaration of Forfeiture

Final Action:

Minute Book Number: MB2017-487

Title:

Acknowledge receipt of Declaration of Forfeiture from the Mississippi Bureau of Narcotics forfeiting \$509.00 to the Hattiesburg Police Department and \$2,545.00 to the Mississippi Bureau of Narcotics

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: VI.-3

Sponsors:

Enactment Date:

Attachments: Declaration of Forfeiture - Mississippi Bureau of Narcotics 2017

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Tammy Leggett

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017					

Text of Legislative File 2017-898

Title

Acknowledge receipt of Declaration of Forfeiture from the Mississippi Bureau of Narcotics forfeiting \$509.00 to the Hattiesburg Police Department and \$2,545.00 to the Mississippi Bureau of Narcotics

Summary

Declaration of Forfeiture

Budget Information

[Enter Budget Information Here Without Parentheses. Example: Cost Center Line Item, Amount]

Expenditure Type

[Enter Expenditure Type Here Without Parentheses. Example: Regular Budget Item, Grant, Lease Purchase, etc.]

Purchasing Item

[Enter Purchasing Item Here Without Parentheses. Example: Sealed Bid, State Contract, Unadvertised Bid, Regular Purchase.]

Publication Information

[Please enter publication sites and dates]



THE CITY OF HATTIESBURG

One of America's Great Small Cities!

Anthony Parker, Chief of Police

MEMORANDUM

TO: Mayor and Council

FROM: Chief Anthony Parker 

DATE: November 21, 2017

RE: Receipt of Forfeiture

This memo is to request Council acknowledge receipt of Declaration of Forfeiture from the Mississippi Bureau of Narcotics forfeiting \$509.00 to the Hattiesburg Police Department. The monies will be forfeited in the following manner: \$2,545.00 to be forfeited to the Mississippi Bureau of Narcotics and \$509.00 to be placed in the Hattiesburg Police Department's Forfeiture Fund.

AP/tl

Attachment

COUNTY OF HINDS

DECLARATION OF FORFEITURE

On **July 31, 2017**, Notice of Intention to Forfeit Seized Property was personally given to **Jeffery McIver** pursuant to Section 41-29-176 of the Mississippi Code of 1972, as amended. Said Notice required any interested party to file a Request for Judicial Review within thirty (30) days after the receipt of the Notice, or the property described below would be forfeited to the Mississippi Bureau of Narcotics.

More than thirty (30) days have elapsed since the date on which the Notice of Intention to Forfeit Seized Property was received; however no Request for Judicial Review has been filed.

IT IS, THEREFORE, Declared that Two Thousand Five Hundred Forty-Five Dollars (\$2,545.00) in U.S. Currency is forfeited to the Mississippi Bureau of Narcotics to be distributed, used, or disposed of according to law and that all property rights of any other person or parties or claims thereto are denied.

SO DECLARED, on this the 14th day of September, 2017.



LARISSA WOMACK, MSB #105104

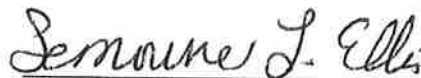
ATTORNEY

MISSISSIPPI BUREAU OF NARCOTICS

STATE OF MISSISSIPPI
COUNTY OF HINDS

This day personally appeared before me, the undersigned authority in and for the State and County aforesaid, the above named LARISSA WOMACK, who solemnly and truly declared and affirmed before me that matters and facts set forth in the foregoing Declaration of Forfeiture are true and correct as herein stated.

Affirmed and Subscribed before me on this 14th day of September, 2017.



NOTARY PUBLIC



MISSISSIPPI BUREAU OF NARCOTICS 11/79
SEIZED FUNDS CLEARING ACCOUNT

P O Box 720519
Jackson, MS 39272-0519

6459

85-543/653

DATE Oct. 10, 2017

CHECK ARMOR
Photo Safe Deposit®
Details on back

PAY
TO THE
ORDER OF Hattiesburg Police Department

\$ 509.00

Five hundred nine and 00/100 ----- DOLLARS



REGIONS

VOID AFTER 180 DAYS

Shauna Powell

FOR B7-088-1-2017





City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-934

File ID: 2017-934

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 12/12/2017

Brief Title: Approve Plans and Specifications for the COMSWIP Sewer Phase VIII project; Authorize advertisement for bids.

Final Action:

Minute Book Number: MB2017-487

Title:

Approve Plans and Specifications for the COMSWIP Sewer Phase VIII project; Authorize advertisement for bids.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: VI.-4

Sponsors:

Enactment Date:

Attachments: 1273S010_Plans_Street Ready
Set_Signed_2017-12-11, 1273-S010_Specs_Street
Ready_2017-12-12, ADVERTISEMENT FOR BIDS

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Sharon Waits

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017					

Text of Legislative File 2017-934

Title

Approve Plans and Specifications for the COMSWIP Sewer Phase VIII project; Authorize advertisement for bids.

Summary

Approve Plans and Specifications for the COMSWIP Sewer Phase VIII project; Authorize advertisement for bids.

Budget Information

093695.7220.70

G:\PROJECTS\Hattiesburg_City of 1275-S010 - ComSWMP Sewer Phase VIII - Camp St Area 1275S010\CAD Files\1275S010_computes.dwg, CVR, 12/11/2017 2:34:15 PM

DETAILED INDEX		
SHEET No.	WRK No.	DESCRIPTION
1	CVR	COVER SHEET
2	VM	VICINITY MAP
3	KEY1	LEGEND, ABBREVIATIONS & SHEET KEY
4	PSM1	PROJECT SCOPE MAP
4A	PSM2	SEWER SYSTEM MAP
4B	PSM3	WATER SYSTEM MAP
5	GN1	GENERAL NOTES
6	PhP1	SOUTH 24TH AVENUE STA 11+00 - STA 17+80
7	PhP2	SOUTH 24TH AVENUE STA 17+80 - STA 24+20
8	PhP3	SOUTH 24TH AVENUE STA 24+20 - STA 27+50
9	PhP4	ALLEY 49 STA STA 10+00 - STA 16+00
10	PhP5	ALLEY 48 STA STA 16+00 - STA 22+20
11	PhP6	ALLEY 48 STA STA 17+00 - 23+00
12	PhP7	ALLEY 50 STA 10+20 - STA 16+80
13	PhP8	ALLEY 51 STA 16+80 - STA 23+40
14	PhP9	ALLEY 52 STA 23+40 - STA 30+00
15	PhP10	ALLEY 53 STA 30+00 - STA 35+00
16	PhP11	SOUTH 22ND AVENUE STA 10+00 - 14+60
17	PhP12	SOUTH 22ND AVENUE STA 14+00 - 20+60
18	PhP13	SOUTH 22ND AVENUE STA 34+40 - 37+50
19	PhP14	ALLEY 56 STA 10+00 - STA 13+00
20	PhP15	ALLEY 56 STA 11+40 - STA 18+00
21	PhP16	ALLEY 56 STA 17+40 - STA 24+00
22	PhP17	ALLEY 55 STA 23+00 - STA 26+50
23	PhP18	SOUTH 21ST AVENUE STA 12+00 - STA 16+00
24	PhP19	SOUTH 21ST AVENUE STA 17+80 - STA 21+00
25	PhP20	ALLEY STA 9+40 - STA 13+50
26	PhP21	STEVEN'S DRIVE ALLEY STA 10+00 - STA 14+00
27	PhP22	SOUTH 20TH AVENUE STA 10+00 - STA 16+40
28	PhP23	SOUTH 20TH AVENUE STA 16+20 - STA 20+00 & STA 26+00 - STA 28+00
29	PhP24	ALLEY WEST OF PATTON AVE STA 9+40 - STA 16+00
30	PhP25	ALLEY WEST OF PATTON AVE STA 14+00 - STA 17+00
31	PhP26	PATTON AVENUE STA 9+80 - STA 15+20
32	PhP27	PATTON AVENUE STA 14+20 - STA 17+40
33	PhP28	ALLEY 58 STA 10+00 - STA 12+20
34	PhP29	O'FERRAL STREET WEST STA 12+00 - STA 18+60
35	PhP30	O'FERRAL STREET EAST STA 10+00 - STA 13+00
36	PhP31	CAMP STREET STA 14+50 - STA 20+30
37	PhP32	CAMP STREET STA 20+30 - STA 26+40
38	PhP33	CAMP STREET STA 26+40 - STA 32+20
39	PhP34	CAMP STREET STA 32+20 - STA 36+00
40	PhP35	DITCH STA 10+00 - STA 13+00
41	PhP36	MAMIE STREET WEST STA 12+00 - STA 18+60
42	PhP37	MAMIE STREET EAST STA 10+00 - STA 14+00
43	WP1	SOUTH 25TH AVENUE - WATER PLAN
44	WP2	SOUTH 25TH AVENUE - WATER PLAN
45	WP3	SOUTH 24TH AVENUE - WATER PLAN
46	WP4	SOUTH 24TH AVENUE - WATER PLAN
47	WP5	SOUTH 22ND AVENUE - WATER PLAN
48	WP6	STEVENS DRIVE AREA - WATER PLAN
49	WP7	SOUTH 20TH AVENUE - WATER PLAN
50	WP8	SOUTH 20TH AVENUE - WATER PLAN
51	WP9	PATTON AVENUE - WATER PLAN
52	WP10	SOUTH 19TH AVENUE - WATER PLAN
53	WP11	SOUTH 19TH AVENUE - WATER PLAN
54	WP12	SOUTH 13TH AVENUE - WATER PLAN
55	WP13	CAMP STREET - WATER PLAN
56	WP14	CAMP STREET - WATER PLAN
57	WP15	EVA STREET - WATER PLAN
58	WP16	BROOKLANE DRIVE - WATER PLAN
59	WP17	BROOKLANE DRIVE - WATER PLAN
60	WP18	ADELINE STREET - WATER PLAN
61	WP19	ADELINE STREET - WATER PLAN
62	XS1	CREEK CROSS SECTIONS
63	SSD1	SEWER INSTALLATION DETAILS
64	SSD2	SEWER INSTALLATION DETAILS
65	WTRD1	WATER INSTALLATION DETAILS
66	WTRD2	WATER INSTALLATION DETAILS
67	TWD1	TRACER WIRE DETAILS
68	PRD1	PAVEMENT REPAIR DETAILS
69	VS1	VEGETATION SCHEDULE & MISC DETAILS
70	HDPE-1	FLEXIBLE PIPE STANDARD
71	ECD-1	TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS
72	ECD-2	DETAILS OF SEDIMENT BARRIER APPLICATIONS
73	ECD-3	DETAILS OF SILT FENCE INSTALLATION
74	ECD-4	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
75	ECD-5	DETAILS OF EROSION CONTROL WATTLE DITCH CHECK
76	ECD-20	DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK
6145	DT-1	DETAILS OF TYPICAL DITCH TREATMENTS
6250	TCP-1	TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)
6259	TCP-10	HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS
6300	PI-1	PIPE CULVERT INSTALLATION
6301	PC-1	CONCRETE PIPE COLLAR
6322	SS-2	STORM SEWER STRUCTURE TYPE SS-2
6325	B-9	DROP INLET AND GRATE DETAILS FOR PIPE AND BOX CULVERT

SPECIAL UTILITY NOTES:

1.

UTILITY LOCATION REQUESTS WERE SUBMITTED TO MISSISSIPPI 811 (FORMERLY MISSISSIPPI ONE CALL) DURING THE FIELD DATA COLLECTION PHASE FOR THE DESIGN OF THIS PROJECT. ALL UTILITIES THAT LOCATED DURING THE FIELD DATA COLLECTION ARE SHOWN ON THESE PLANS. ALL CONFLICTS WITH EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION SHALL BE COORDINATED WITH THE UTILITY OWNER, THE ENGINEER AND THE PROJECT OWNER PRIOR TO INSTALLATION OF THE PROPOSED WATER SYSTEM. (NO SEPARATE PAY FOR COORDINATION)
2.

THE CONTRACTOR SHALL DOCUMENT THE EXISTENCE OF ANY MISSING AND/OR OVERLAPPING UNDERGROUND UTILITIES AND STORM DRAINAGE NOT SHOWN ON THESE CONSTRUCTION DRAWINGS.

MISSISSIPPI 811 TICKETS	
TICKET No.	DESCRIPTION
17012712260749	ALLEY 48
17012712260747	ALLEY 49
17011709180344	ALLEY 51 FROM CAMP ST SOUTH TO REAR OF 313 S 22ND AVE
17011709060271	ALLEY 52
17011709570491	ALLEY 53
17011709430435	ALLEY 55
17011709350407	ALLEY 56
17011709560485	ALLEY 58
17011709520466	ALLEY (EAST OF S 21ST)
17020915081100	ADELINE STREET FROM S 24TH AVE TO S 19TH AVE
17022010400542	BROOKLANE DRIVE (EAST OF CREEK)
17022016531259	BROOKLANE (EAST OF S 19TH AVE)
17010508090095	BROOKLANE (WEST OF CREEK)
16110707200027	CAMP STREET FROM S 25TH AVE TO S 19TH AVE
17012712260750	CREEK AT S 23RD AVE
17012712270751	CREEK AT S 24TH AVE
17022011060615	EVA ST (EAST OF S 19TH AVE)
17011607080009	EVA ST (WEST OF S 19TH AVE)
17010508470222	MAMIE ST FROM S 21ST AVE TO S 19TH AVE
17032308400153	MAMIE ST FROM S 22ND AVE TO 24TH AVE

MISSISSIPPI 811 TICKETS	
TICKET No.	DESCRIPTION
17012713561025	ALLEY NORTH OF CAMP ST & 160' WEST OF S 20TH AVE
17081409150416	ALLEYWAY B/W S22ND & S 21ST AVE's & SOUTH OF MAMIE ST
17081115501028	ALLEYWAY B/W S22ND & S 21ST AVE's & SOUTH OF MAMIE ST
17082112510988	ALLEY 50 FROM ADELINE ST TO MAMIE ST
17012712260748	ALLEY 51 FROM CAMP ST NORTH TO REAR OF 209 S 22ND AVE
17032309400153	MAMIE ST FROM S24TH AVE TO S 22ND AVE
17012711150645	O'FERRAL ST FROM S 25TH AVE TO S 23RD AVE
17010317011606	PATTON AVE FROM CAMP ST TO O'FERRAL ST
17022010590590	S 13TH AVE FROM CAMP ST TO CONGART ST
17022010520569	S 18TH AVE FROM ADELINE ST TO BROOKLANE DR
17010316011391	S 19TH AVE FROM MAMIE ST TO HARDY ST
17022010380534	S 19TH AVE FROM ADELINE ST TO MAMIE ST
17010508100098	S 20TH AVE FROM MAMIE ST TO HARDY ST
17081115431014	S 21ST AVE FROM MAMIE ST TO ADELINE ST
17011607060007	S 21ST AVE FROM MAMIE ST TO 312 S 21ST AVE
17081115511032	S 22ND AVE FROM CAMP ST TO ADELINE ST
17081115451016	S 22ND AVE FROM CAMP ST TO ADELINE ST
17020915211125	S 24TH AVE FROM ADELINE ST TO HARDY ST
17012716481146	S 25TH AVE FROM MAMIE ST TO HARDY ST
17032011000595	STEVEN'S DR FROM CAMP ST TO S 20TH AVE



Know what's below.
Call before you dig.

CONSTRUCTION PLANS

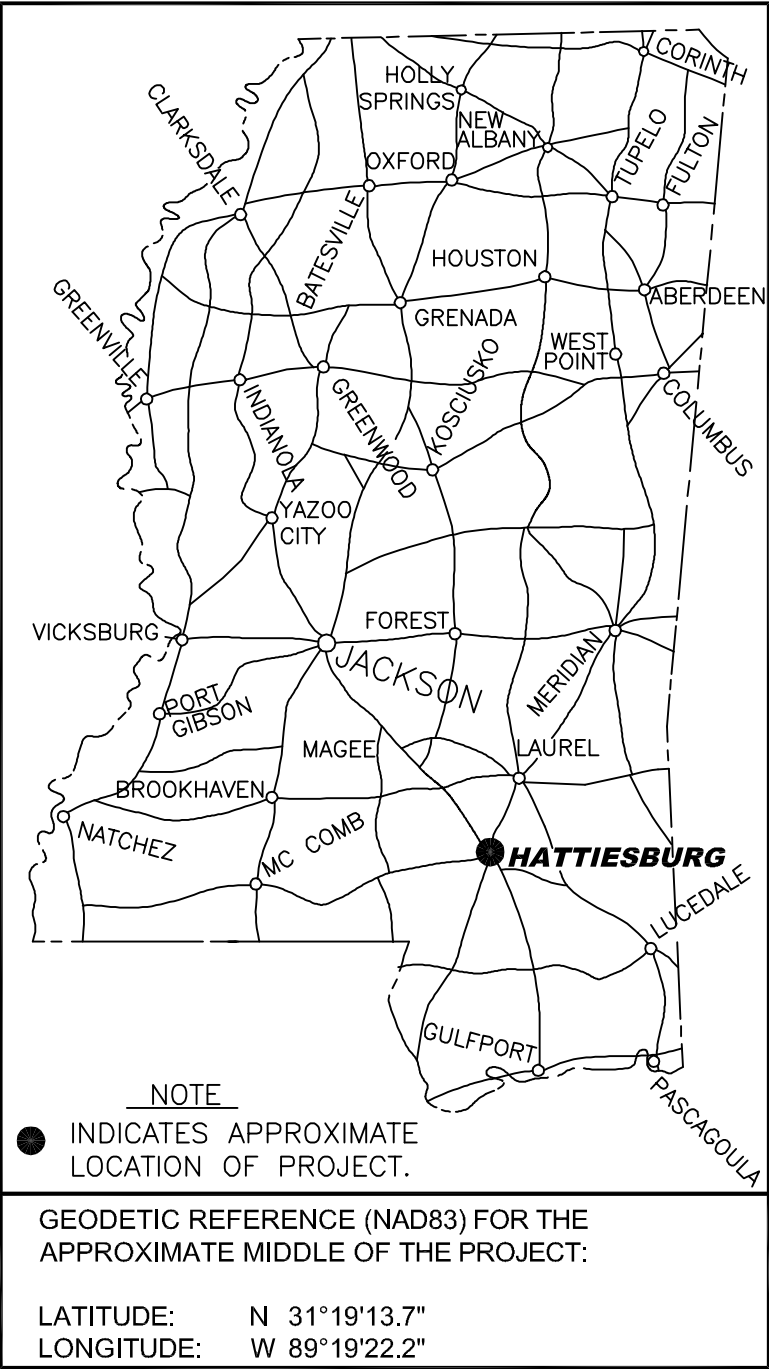
FOR

COMPREHENSIVE SEWER/WATER IMPROVEMENTS - PHASE VIII
CAMP STREET AREA

FOR THE

CITY OF HATTIESBURG

FORREST COUNTY
MISSISSIPPI



PUBLIC UTILITIES

CABLE
COMCAST
2100 LINCOLN RD
HATTIESBURG, MS 39402
(601) 264-1188

POWER
MISSISSIPPI POWER, CO.
6356 U.S. HIGHWAY 49
HATTIESBURG, MS 39401
(601) 544-6511

TELECOMM
AT&T
P.O. BOX 1191
HATTIESBURG, MS 39401
(601) 545-6424

INLINE
405 LEGACY PARK
RIDGELAND, MS 39157
(601) 956-8909
(888) 346-5463

TELEPAK DBA CSPIRE FIBER
1018 HIGHLAND COLONY PKWY
SUITE 300
RIDGELAND, MS 39157
(855) 277-4732

GAS
WILMUT GAS
P.O. BOX 1649
HATTIESBURG, MS 39403
(601) 544-6001

SEWER
CITY OF HATTIESBURG
WATER & SEWER DEPT.
900 JAMES ST
HATTIESBURG, MS 39403
(601) 545-4530

WATER
CITY OF HATTIESBURG
WATER & SEWER DEPT.
900 JAMES ST
HATTIESBURG, MS 39403
(601) 545-4530

TRAFFIC
CITY OF HATTIESBURG
TRAFFIC DEPT.
125 WALNUT ST
HATTIESBURG, MS 39401
(601) 545-4626

OTHER UTILITIES
FORREST GENERAL HOSPITAL
6051 US HWY 49
HATTIESBURG, MS 39404
(601) 288-7000



MAYOR

Toby Barker

COUNCIL PERSONS

Carter Carroll, President
Mary Dryden, Vice President
Jeffrey George
Deborah Denard Delgado
Nicholas Brown

DIRECTOR OF ENGINEERING

Lamar Rutland, PE

PREPARED BY:



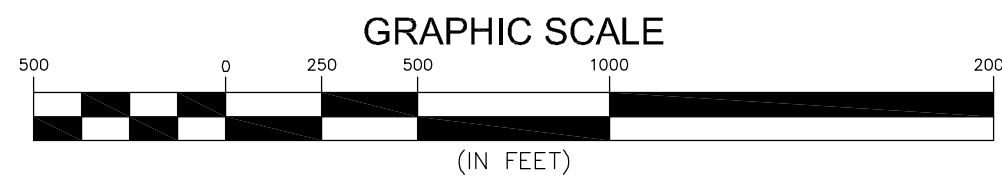
301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

Working No. _____ CVR

Sheet No. _____ 1 _____

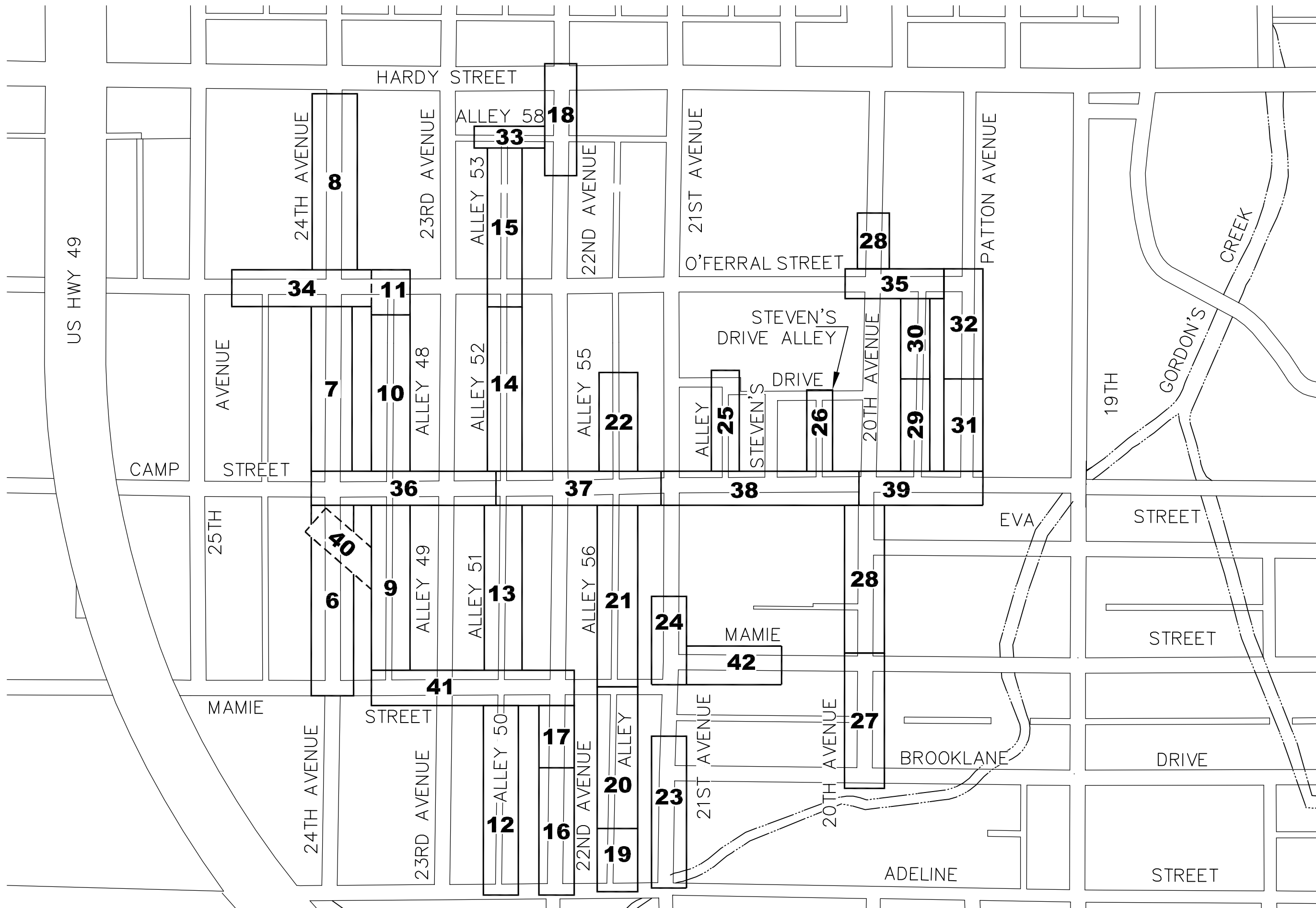
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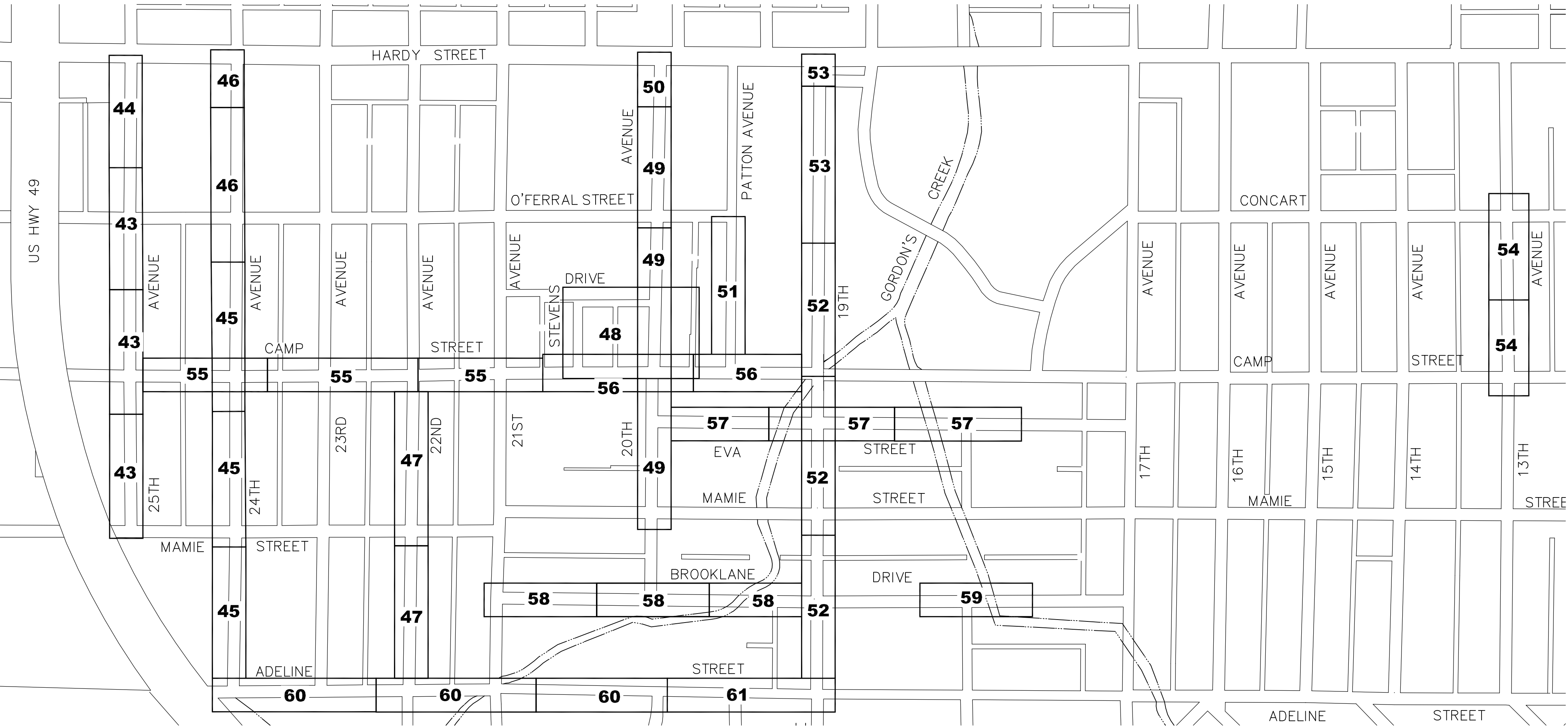


No.	DATE	DESCRIPTION	BY
VICINITY MAP			
COMSWIP SEWER PROJECT PHASE VIII CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com Drawn by: RES\BT Checked by: JTW Scale: AS NOTED Date: 12-11-2017 Working No. ____ VM ____ Drawing No.: 1273-SO10 Sheet No. ____ 2 ____			

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SANITARY SEWER PLAN - SHEET KEY



WATER PLAN - SHEET KEY

ABBREVIATION LEGEND:

- ABND - ABANDONED
- APPURT - APPURTENANCES
- ASPH - ASPHALT
- BLDG - BUILDING
- CL CONST - CENTERLINE CONSTRUCTION
- CONC - CONCRETE
- CON. - CONNECTION
- CONT'D - CONTINUED
- CMP - CORRUGATED METAL PIPE
- CPP - CORRUGATED PLASTIC PIPE
- DIA - DIAMETER
- DR - DIAMETER RATIO
- DRV - DRIVE
- DI - DUCTILE IRON PIPE
- DS FL - DOWNSTREAM FLOW LINE
- E - EAST
- EXIST - EXISTING
- FES - FLARED END SECTION
- FL - FLOW LINE
- GRVL - GRAVEL
- HDPE - HIGH DENSITY POLYETHYLENE PIPE
- HYD - HYDRANT
- INCL - INCLUDING
- INV - INVERT
- LT - LEFT
- LF - LINEAR FEET
- MH - MANHOLE
- MIN - MINIMUM
- N - NORTH
- No. - NUMBER
- PRKG - PARKING
- PVC - POLYVINYL CHLORIDE PIPE
- RCAP - REINFORCED CONCRETE ARCHED PIPE
- RCP - REINFORCED CONCRETE PIPE
- REQ'D - REQUIRED
- RT - RIGHT
- ROW - RIGHT OF WAY
- SAN - SANITARY
- STA - STATION
- SWR - SEWER
- S - SOUTH
- TYP - TYPICAL
- US FL - UPSTREAM FLOW LINE
- VAR - VARIABLE
- W - WEST
- W/ - WITH

SYMBOL LEGEND:

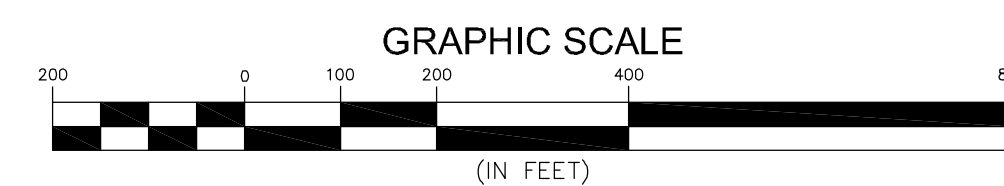
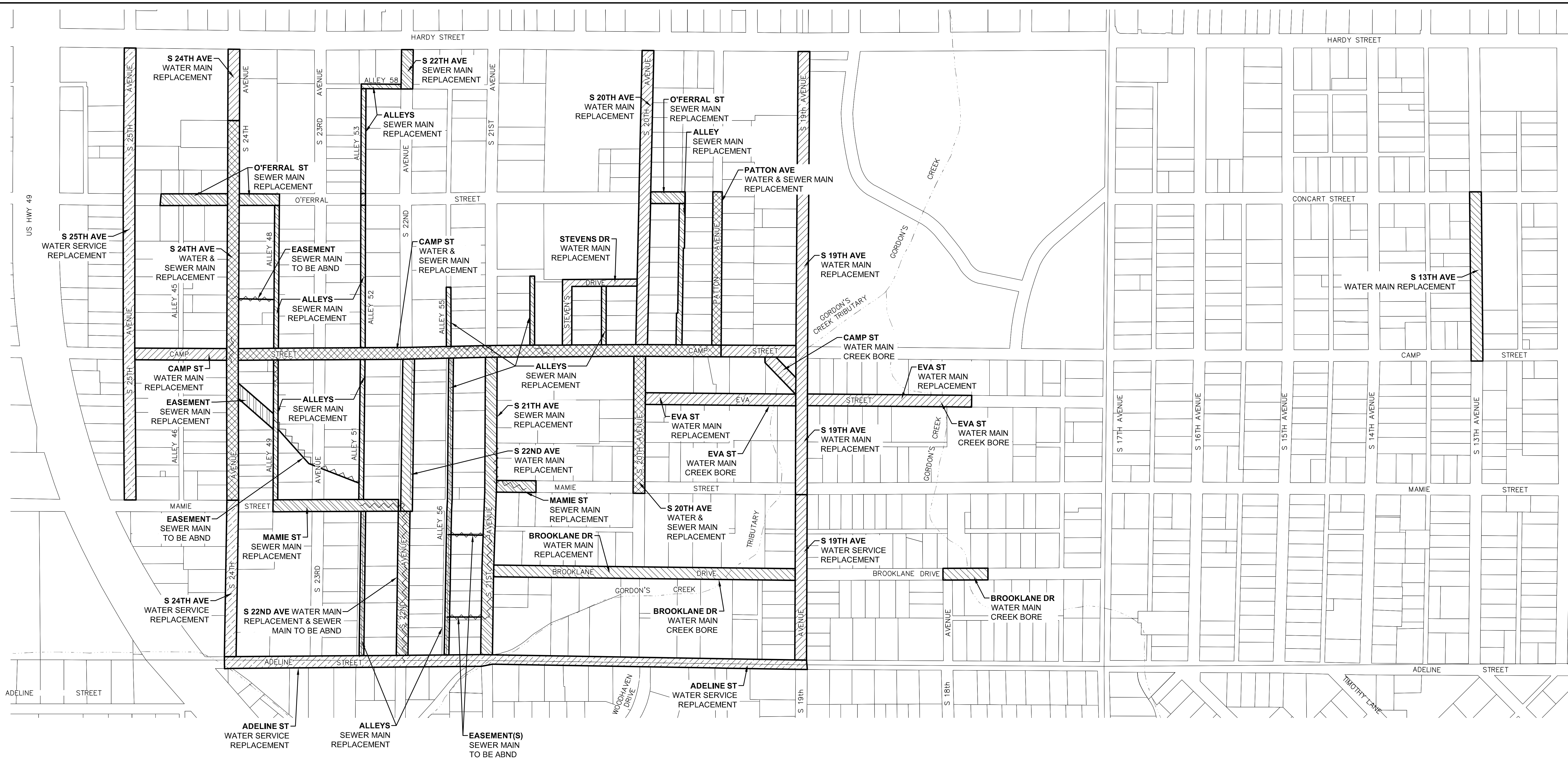
- AIR CONDITIONER
- FENCE
- FIBER OPTIC PEDESTAL
- FIBER OPTIC PULL BOX
- FIRE HYDRANT
- FLOWER
- GAS INDICATOR POST
- GAS LINE
- GAS METER
- GAS VALVE
- GATE POST
- GENERATOR
- GROUND LANDSCAPE LIGHT
- HOSE BIBB
- IRRIGATION CONTROL VALVE
- LIGHT ON UTILITY POLE
- LIGHT ON DECORATIVE POLE
- MAILBOX
- METAL PIPE
- OVERHEAD UTILITY LINES
- OVERHEAD UTILITY LINES
- POLE GUY WIRE
- PROPERTY LINE
- SAN SWR CLEAN-OUT
- SAN SWR FORCE MAIN
- SAN SWR LINE
- SAN SWR MANHOLE
- SIGN
- SIGNAL
- STORM DRAIN MANHOLE
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- TREE LINE
- TREE OAK
- TREE CEDAR
- TREE PINE
- TREE SYCAMORE
- TREE CRAPE MYRTLE
- TREE MAPLE
- TREE BRADFORD PEAR
- TREE MAGNOLIA
- UNDERGROUND FIBER OPTIC LINE
- UNDERGROUND POWER LINE
- UNDERGROUND TELEPHONE LINE
- UTILITY METER ON POLE
- UTILITY POLE
- UTILITY PULL-BOX
- UTILITY SERVICE POLE
- WATER LINE
- WATER METER
- WATER TEST WELL
- WATER VALVE

NOTE

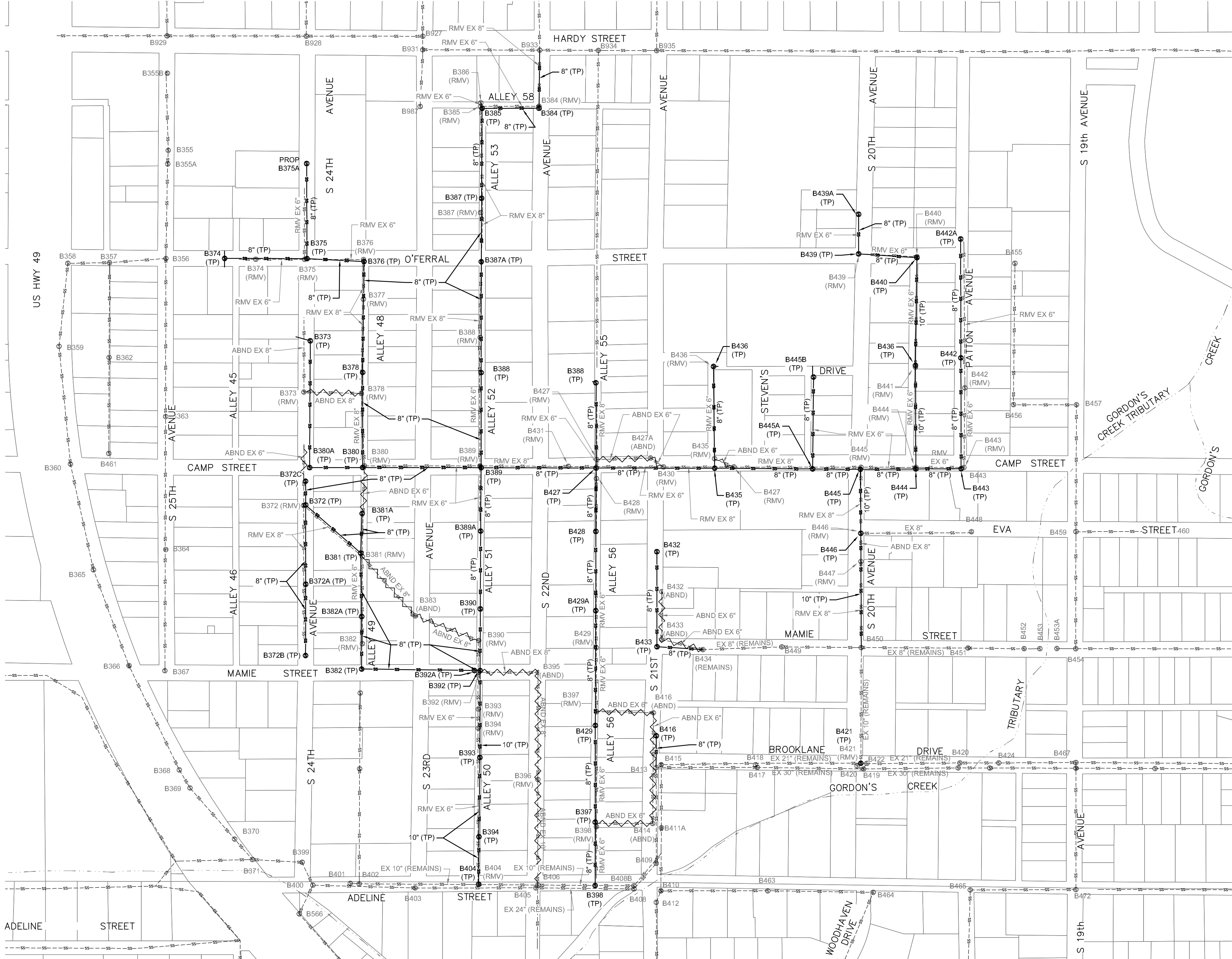
ALL ITEMS SHOWN HERE ARE EXISTING ON THE GROUND OR UNDERGROUND.

NO.	DATE	DESCRIPTION	BY
LEGEND, ABBREVIATIONS & SHEET KEY			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
 Engineering Progress			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by:	RES\BT	Checked by:	JTW
Date:	12-11-2017	Working No.:	KEY1
Drawing No.:	1273-S010	Sheet No.:	3

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NO.	DATE	DESCRIPTION	BY
PROJECT SCOPE MAP			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
HATTIESBURG, MISSISSIPPI			
 Engineering Progress			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: RES\BT		Checked by: JTW	Scale: AS NOTED
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Drawing No.: 1273-S010		Sheet No. 4	



ABBREVIATION LEGEND:

- ABND – ABANDONED
- EX – EXISTING
- RMV – REMOVED
- TP – THIS PROJECT

NO.	DATE	DESCRIPTION	BY

SEWER SYSTEM MAP

COMSWIP SEWER PROJECT PHASE VIII

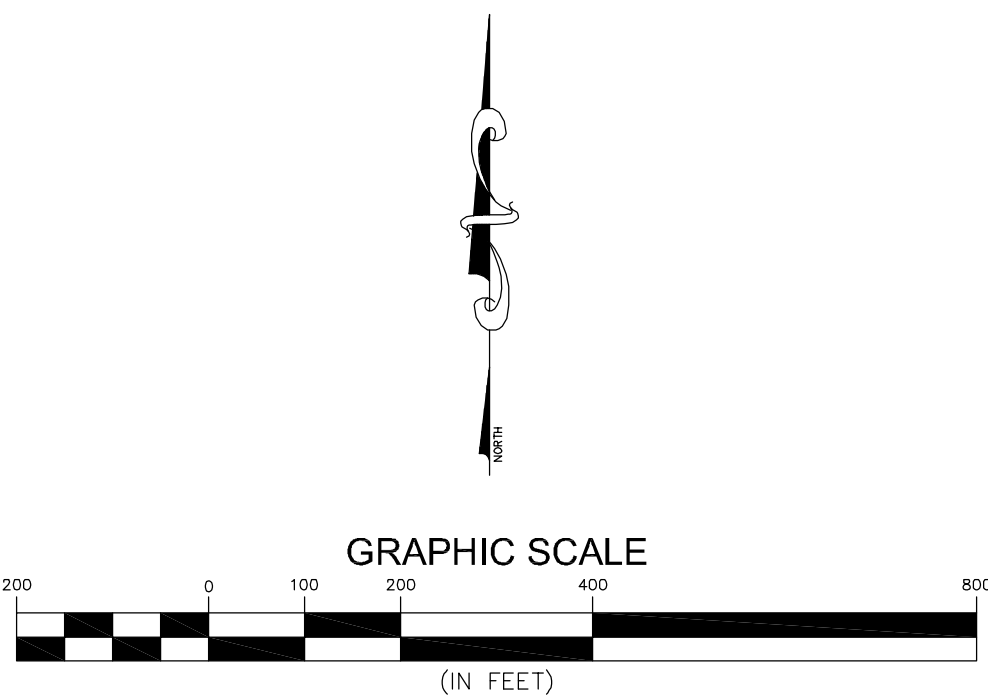
CITY OF HATTIESBURG

HATTIESBURG, MISSISSIPPI

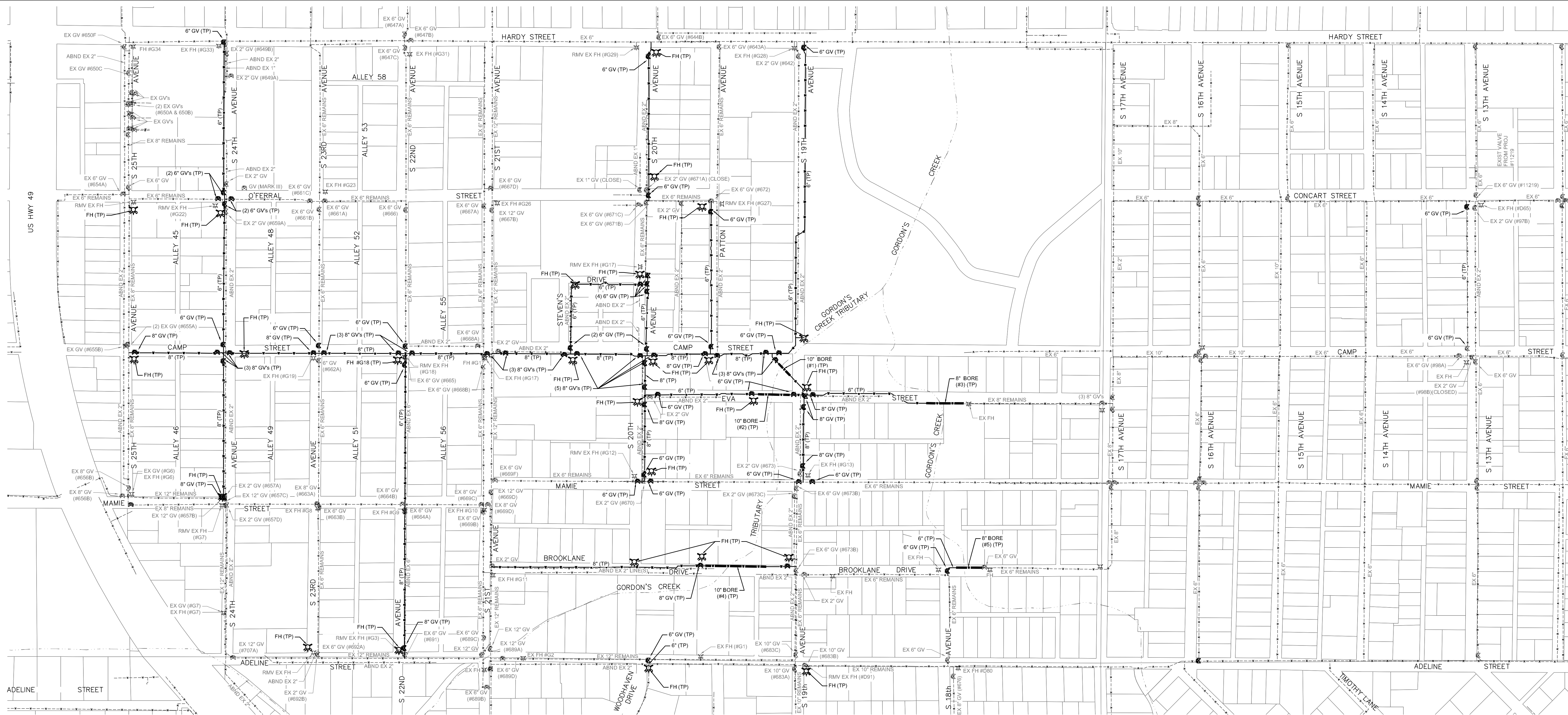
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GENERAL NOTES

1.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL CODES.
2.

THE CONTRACTOR SHALL KEEP A SET OF CONSTRUCTION PLANS OF THE PROJECT ON THE JOB SITE SHOWING THE ACCURATE MEASUREMENTS AND ELEVATIONS OF THE "AS-BUILT" SYSTEM. THIS DATA WILL BE COLLECTED AND PUT ON THE DRAWINGS DAILY.
3.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE ENTIRE PROJECT.
4.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CITY OF HATTIESBURG AND/OR FORREST COUNTY FEES AND PERMITS ASSOCIATED WITH CONSTRUCTION.
5.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING AND THE LOCATION OF THE PROJECT. CONTROL COORDINATE SYSTEM AND ELEVATION CONTROL ARE SHOWN ON THE PLAN SHEETS.
6.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN SUB-SURFACE SOIL INVESTIGATIONS.
7.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF ALL EXISTING TOPOGRAPHIC DATA AND ALL OTHER SITE CONDITIONS PRIOR TO THE BEGINNING OF CONSTRUCTION. ANY CONFLICT SHALL BE COORDINATED WITH THE CONTRACTOR, OWNER AND ENGINEER/ARCHITECT. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE.
8.

THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES WITHIN THE WORK AREA.
9.

ALL UNDERGROUND UTILITIES, FOR THE ENTIRE PROJECT, SHALL BE LOCATED BY THE CONTRACTOR AND UTILITY OWNERS PRIOR TO THE CONSTRUCTION OF THE PROJECT. ANY CONFLICTS SHALL BE COORDINATED BETWEEN CONTRACTOR, UTILITY OWNER AND ENGINEER.
10.

ALL CULVERT CROSS DRAINS AND SIDE DRAINS SHALL BE PROTECTED. REMOVAL AND REPLACEMENT, IF REQUIRED, SHALL BE PAID AS NOTED.
- 10.1.

ANY EXISTING CROSS DRAINS SHOWN TO BE REMOVED AND REPLACED SHALL BE REPLACED WITH NEW RCP AND SHALL BE INSTALLED AT THE SAME GRADE AS THE EXISTING CROSS DRAIN, UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT THE GRADES OF THE REPLACED PIPE ARE CORRECT AND TO INSURE PROPER FLOW.
- 10.2.

ANY EXISTING SIDE DRAINS THAT CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND REPLACED WITH NEW CORRUGATED HDPE PIPE AND SHALL BE INSTALLED AT THE SAME GRADE AS THE EXISTING SIDE DRAIN, UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT THE GRADES OF THE REPLACED PIPE ARE CORRECT AND TO INSURE PROPER FLOW.
- 10.3.

IF THE EXISTING DRAIN PIPES ARE CONNECTED TO INLETS, HEADWALLS OR ANY OTHER DRAINAGE STRUCTURES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONNECTION TO THOSE STRUCTURES, UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER. CONCRETE PIPE COLLARS SHALL BE USED AS WARRANTED, AS APPROVED BY THE ENGINEER. SOME INLETS ARE NOTED FOR REPLACEMENT ON THE PLANS AND SHALL BE REPLACED AS DETAILED.
- 10.4.

ANY EXISTING DRAINS THAT SHOWN TO BE REMOVED AND RESET SHALL BE REMOVED, SALVAGED AND RESET PER NEW PIPE INSTALLATION DETAILS CONTAINED HEREIN. ANY DAMAGE TO THE SALVAGED PIPE SHALL BE REPLACED AT NO ADDITIONAL COST TO THE PROJECT.
- 10.5.

THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE EXISTING STORM DRAINAGE STRUCTURES DURING THE CONSTRUCTION PROCESS. ANY DAMAGE, OTHER THAN THAT NOTED ABOVE, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 10.6.

ABSOLUTELY NO NEW CORRUGATED METAL PIPE SHALL BE INSTALLED ON THIS PROJECT.
11.

THE COST OF CLEARING AND GRUBBING/REMOVAL AND DISPOSAL OF CLEARING AND GRUBBING MATERIAL SHALL BE PAID LUMP SUM, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE FAMILIAR WITH THE EXTENT OF CLEARING REQUIRED PRIOR TO BIDDING. OFFSITE DISPOSAL AREAS ARE TO BE FURNISHED BY THE CONTRACTOR.
12.

PROPER MAINTENANCE OF STREETS, INCLUDING DUST CONTROL, SHALL BE STRICTLY ADHERED TO.
13.

MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION).
14.

THE CONTRACTOR SHALL PROVIDE PROPER TRAFFIC CONTROL SIGNS AND FLAGGERS TO MAINTAIN ONE LANE TRAFFIC DURING CONSTRUCTION, WHERE LANE CLOSURES ARE NEEDED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SEE SHEET No. 6250 FOR TYPICAL LANE CLOSURE DETAILS. ANY ROAD CLOSURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO IMPLEMENTATION.
15.

ALL DISTURBED UNPAVED AREAS SHALL BE RESTORED AS FOLLOWS:
- 15.1.

GRASSSED AREAS SHALL RECEIVE SOLID SOD WHICH SHALL BE FERTILIZED AND WATERED AS PER THE VEGETATION SCHEDULE. PERMANENT ESTABLISHMENT OF GRASS GROWTH SHALL BE A REQUIREMENT BEFORE FINAL COMPLETION.
- 15.2.

ALL LANDSCAPED AREAS SHALL BE RESTORED IN KIND AND SHALL INCLUDE TOP SOIL (4" DEPTH MIN), WATERING, FERTILIZER AND MULCH, IF PRESENT (IN KIND), AS PER THE VEGETATION SCHEDULE. CONTRACTOR SHALL MATCH SPECIES AND SIZE AS CLOSE AS POSSIBLE. SUBSTITUTIONS SHALL BE ALLOWED ONLY BY WRITTEN APPROVAL FROM THE ENGINEER AND COORDINATION WITH THE AFFECTED RESIDENT.
16.

ALL EXISTING MAILBOXES, STREET SIGNS, FENCES, AND OTHER STRUCTURES LOCATED WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED AND RESET AS DICTATED BY CONSTRUCTION ACTIVITIES. (NO SEPARATE PAY, UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER). EXISTING FLOWER BEDS, GARDENS, SHRUBS, ETC. WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED AND RESET AS DICTATED BY CONSTRUCTION ACTIVITIES. (NO SEPARATE PAY, UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER). ALL ITEMS (INCLUDING REMOVAL OF OBSTRUCTIONS, REMOVED AND RESET AND/OR REPLACEMENT OF STORM DRAIN STRUCTURES, ETC.) FOR WHICH NO PAY ITEM IS LISTED, SHALL BE INCLUDED IN THE COST OF THE PIPE LAYING OPERATION. (NO SEPARATE PAY).
17.

PAVED ROADS SHALL BE OPEN CUT AND REPAIRED AS DETAILED. CASING SHALL BE USED ONLY WHERE NOTED ON THE PLANS.
18.

ALL GRAVEL ROADS AND GRAVEL DRIVEWAYS SHALL BE OPEN CUT WITHOUT CASING, UNLESS OTHERWISE NOTED, AND REPLACED IN KIND.
19.

ALL PAVED DRIVEWAYS SHALL BE OPEN CUT AND REPAIRED IN KIND, UNLESS OTHERWISE NOTED.
20.

CONTRACTOR SHALL PROVIDE ACCESS TO ALL BUSINESSES AND RESIDENCES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE ALL DRIVEWAY CUTS AND EXCAVATION WITH THE OWNERS OF SAID DRIVEWAYS.
21.

ANY DAMAGE TO PAVED ROADS OR DRIVEWAYS, WHICH ARE OUTSIDE OF THE PROJECT LIMITS, SHALL BE REPAIRED IN KIND, AT THE CONTRACTOR'S EXPENSE.
22.

ALL TRENCHES IN PAVED AREAS SHALL BE REPAIRED AS DETAILED. CRUSHED AGGREGATE SHALL ALSO BE INSTALLED AND USED FOR A TEMPORARY SURFACE UNTIL SUCH TIME THAT THE OWNER DECIDES TO ALLOW INSTALLATION OF PAVEMENT (SEE DETAIL). ALL CRUSHED AGGREGATE MAY BE LIMESTONE OR CONCRETE AND SHALL BE SIZE 825. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF EXISTING PAVEMENT AND OR CRUSHED AGGREGATE PRIOR TO PLACEMENT OF PAVEMENT IN PATCHED AREAS TO MAKE A SMOOTH JOINT WITH THE EXISTING PAVEMENT. SAW CUT TO FULL DEPTH OF EXISTING PAVEMENT SHALL BE REQUIRED ON ALL PAVEMENT REPAIR, UNLESS OTHERWISE DIRECTED. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SURFACE IN AN ACCEPTABLE CONDITION UNTIL SUCH TIME AS FINAL PAVEMENT IS INSTALLED.
23.

ALL ROAD BORES SHALL BE IN ACCORDANCE TO THE DETAILS.
24.

ALL SELECT FILL MATERIAL SHALL MEET THE SPECIFICATIONS FOR CLASS 9, GROUP C AND MODIFIED TO CONSIST OF A PLASTICITY INDEX (PI) BETWEEN 5 AND 15. THE SELECT FILL MATERIAL SHALL BE INSTALLED AT THE DIRECTION OF THE ENGINEER OR HIS REPRESENTATIVE.
25.

PRIOR TO THE BEGINNING OF ANY EXCAVATION, ALL EXISTING PAVEMENT SHALL BE SCORED OR SAW CUT TO A DEPTH SUCH THAT A STRAIGHT AND UNIFORM VERTICAL EDGE IS ESTABLISHED PRIOR TO REMOVAL OF SAID PAVEMENT FROM THE PROJECT. IF VERTICAL EDGE IS DISTURBED, THEN A SECOND CUT SHALL BE REQUIRED PRIOR TO ASPHALT OR CONCRETE PATCHING. ALL ASPHALT OR CONCRETE SHALL BE REMOVED FROM THE PROJECT SITE PRIOR TO EXCAVATION PROCEDURES. (NO SEPARATE PAY FOR SAW CUTTING, DEBRIS REMOVAL, PAVEMENT REMOVAL AND DISPOSAL)
26.

WORK FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURRING DURING THE EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING WHAT BRACING, SHORING OR GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT THE PERSONS WORKING NEAR THE EXCAVATION, THE PUBLIC THAT MAY BE ABOVE THE EXCAVATION, OR ANY STRUCTURE ADJACENT TO THE EXCAVATION. ALL COSTS FOR ANY PROTECTIVE MEASURES INCLUDING THE MATERIALS AND LABOR FOR DESIGNING, DRAWING AND CONSTRUCTING THE FACILITY SHALL BE INCLUDED IN THE BID PRICE FOR CONTRACT ITEMS.
27.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING BRACING, SHORING OR ANY GROUND SUPPORT SYSTEM REQUIRED TO PREVENT A FAILURE FROM OCCURRING DURING EXCAVATION. ALL COST FOR ANY PROTECTIVE MEASURES, INCLUDING THE MATERIALS AND LABOR FOR DESIGNING AND CONSTRUCTING THE SUPPORT SYSTEM, SHALL BE INCLUDED IN THE BID PRICE FOR CONTRACT ITEMS.
28.

THE EROSION CONTROL DEVICES SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SILT DOES NOT LEAVE THE CONSTRUCTION SITE OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION. THE CONTRACTOR SHALL MAINTAIN THE PLAN DURING CONSTRUCTION UNTIL PERMANENT GRASS IS ESTABLISHED OR THE DISTURBED SURFACED IS PAVED.

29.

THE CONTRACTOR SHALL ADHERE TO ALL MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS FOR EROSION CONTROL AND ANY OTHER PERTINENT GUIDELINES.
30.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIAL TESTING BY AN INDEPENDENT LABORATORY APPROVED BY THE ENGINEER AND/OR OWNER.
31.

MATERIAL SUBMITTALS SHALL BE MADE TO OWNER THROUGH THE ENGINEER PRIOR TO USE FOR APPROVAL.
32.

ALL WATER AND SEWER SYSTEMS INSTALLED ON THIS PROJECT SHALL REQUIRE A TRACER WIRE SYSTEM.
33.

THE CONTRACTOR SHALL HAVE A COMPETENT AND EXPERIENCED SUPERINTENDENT ON SITE AT ALL TIMES. THE SUPERINTENDENT SHALL NOT OPERATE EQUIPMENT WHILE ON THE PROJECT SITE. WORK ON THE PROJECT SHALL STOP IF THE ASSIGNED PROJECT SUPERINTENDENT IS NOT ON SITE.
34.

MANHOLE LIDS, FIRE HYDRANTS & VALVES NOTED FOR REMOVAL IN THESE PLANS, SHALL BE SALVAGED FOR THE OWNER. ALL ITEMS SALVAGED ITEMS SHALL BE CLEANED BY POWER WASHING. SAID ITEMS SHALL BE STACKED AND SECURED ON PALLETS. SAID ITEMS SHALL BECOME THE PROPERTY OF THE OWNER AND DELIVERED TO A SITE DETERMINED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SECURITY OF SAID ITEMS PRIOR TO DELIVERY TO THE OWNER AND FOR REPLACEMENT IN KIND FOR ANY MISSING ITEMS. (NO SEPARATE PAY)
35.

ALL MATERIALS FOR THE PROJECT SHALL BE A PRODUCT OF THE U.S.A.

SEWER NOTES:

1.

NO PIPE SHALL BE LAID IN THE PRESENCE OF WATER. NO MANHOLE OR WET WELL SHALL BE SET IN THE PRESENCE OF WATER.
2.

WELL POINTS, IF REQUIRED, SHALL BE INCLUDED IN THE COST OF THE PIPING LAYING OPERATION.
3.

WHERE THE WATER MAIN IS WITHIN 10 FEET OF A SEWER MAIN HORIZONTALLY, THE BOTTOM OF THE WATER MAIN SHALL BE AT LEAST 18" FROM THE TOP OF THE SEWER MAIN, UNLESS OTHERWISE NOTED.
4.

THE FINISHED ELEVATION OF ALL MANHOLE TOPS FOR MANHOLES TO BE CONSTRUCTED IN PAVED AREAS SHALL BE AT EXISTING PAVEMENT ELEVATION OR AS DIRECTED BY THE ENGINEER. MANHOLE AND PIPE ELEVATIONS SHALL BE TAKEN FROM CUT SHEETS FURNISHED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER AT LEAST SEVEN (7) DAYS PRIOR TO CONSTRUCTION. PAYMENT FOR SEWER WILL BE BASED ENTIRELY ON THE ENGINEER APPROVED CUT SHEETS.
5.

MANHOLES SHALL HAVE 20 MIL. COAL TAR EPOXY COATING ON THE INSIDE, UNLESS OTHERWISE NOTED. DUCTILE IRON PIPE SHALL BE LINED AS NOTED IN THE SPECIFICATIONS.
6.

ALL SEWER MAINS, SERVICE LINES AND FITTINGS SHALL BE SDR 26 PVC AND OF THE SIZE AS NOTED IN THESE PLANS, UNLESS OTHERWISE NOTED. ALL FITTINGS REQUIRED FOR DUCTILE IRON OR PVC PIPE SHALL BE INCLUDED IN THE APPROPRIATE BID ITEM FOR THE PIPE AND AT NO ADDITIONAL COST TO THE PROJECT EXCEPT SERVICE TEE'S AND CLEANOUTS. CLEANOUTS SHALL INCLUDE TEE, SERVICE CAP, TRAFFIC COVER IF NEEDED, AND ANY PIPE LENGTH TO BRING CLEANOUT TO SURFACE GRADE. ALL CLEANOUTS LOCATED IN PAVED AREAS SHALL BE INSTALLED WITH A TRAFFIC LOAD RATED FRAME AND COVER SET FLUSH WITH PAVEMENT. (NO SEPARATE PAY)
7.

ALL DUCTILE IRON PIPE SHALL BE LOCKING JOINT TYPE AND OF THE SIZE AS NOTED ON THESE PLANS.
8.

INFILTRATION/EXFILTRATION ON NEWLY INSTALLED SEWER MAIN SHALL BE REQUIRED AS DIRECTED. MANDREL TESTS SHALL BE REQUIRED ON ALL SEWER MAIN INSTALLED. CONTRACTOR SHALL BE REQUIRED TO PULL A MANDREL FOR TESTING PURPOSES IN ALL SEWER LINES INSTALLED ON THE PROJECT PRIOR TO FINAL ACCEPTANCE. MANDREL TEST SHALL BE PERFORMED IN LIVE OR BYPASS PUMPED SEWER AS NECESSARY AT THE DISCRETION OF THE ENGINEER
9.

ALL MANHOLES SHALL BE 48" IN DIAMETER, WITH ECCENTRIC TOP CONE SECTIONS, UNLESS OTHERWISE NOTED. (SEE PLAN AND PROFILE SHEETS FOR PROPER SIZING)
10.

ALL SINGLE DROPS FOR SEWER PIPE 8" AND UNDER IN DIAMETER SHALL BE PLACED INSIDE THE MANHOLE AS DETAILED. ALL MULTIPLE DROPS OR DROPS FOR SEWER PIPE OVER 8" IN DIAMETER SHALL BE PLACED OUTSIDE OF THE MANHOLE AS DETAILED, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
11.

THE CONTRACTOR SHALL ADHERE TO ALL MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS FOR SANITARY SEWER CONSTRUCTION CONTROL AND ANY OTHER PERTINENT GUIDELINES.
12.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR BY-PASS PUMPING AS REQUIRED BY THE ENGINEER. (NO SEPARATE PAY)
13.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONNECTING ANY SEWER SERVICE LINES WHICH ARE CUT AND/OR REMOVED DURING THIS PROJECT.
- 13.1.

ALL SERVICE CONNECTIONS SHOWN ON THE PLAN SHEETS SHALL BE CONNECTED TO THE PROPOSED SEWER LINE, UNLESS NOTED OTHERWISE OR DIRECTED BY THE ENGINEER.
- 13.2.

FLEXIBLE COUPLINGS SHALL BE USED ONLY WITH ENGINEER'S APPROVAL.
- 13.3.

THE CONTRACTOR SHALL VERIFY THE LOCATION AND FLOWLINE ELEVATION OF THE SERVICE CONNECTION POINTS AT EACH STRUCTURE PRIOR TO CONSTRUCTION. LENGTH OF SERVICE CONNECTIONS MAY VARY FROM WHAT IS SHOWN DUE TO LOCATION OF SERVICE CONNECTION POINT.
- 13.4.

THE MINIMUM GRADE FOR SEWER SERVICE CONNECTIONS SHALL BE 0.50% SERVICE CONNECTION TO MAIN, TEE'S, REDUCERS, CONNECTIONS TO EXISTING SERVICE AND ANY OTHER FITTINGS NECESSARY TO MAKE THE CONNECTION SHALL BE PAID PER EACH CONNECTION. SERVICE LINE SHALL BE PAID BY LINEAR FOOT.
- 13.5.

CLEANOUTS SHALL BE PAID PER EACH. CLEANOUTS FOR SANITARY SEWER SERVICES SHALL BE PLACED AT THE RIGHT OF WAY LINE (AS DETAILED), AT EVERY TURN AND CHANGE IN GRADE, UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER.
- 13.6.

SERVICE CONNECTIONS NOTED ON THESE PLANS ARE LOCATED BASED ON FIELD EVIDENCE, INSPECTION REPORTS AND OTHER INFORMATION THAT IS AVAILABLE TO THE ENGINEER. THE LOCATION OF ANY SERVICE NOTED AS "FIELD VERIFY" IS QUESTIONABLE AND SHOULD BE VERIFIED PRIOR TO CONSTRUCTION OF THE MAIN LINE.
14.

ALL SERVICE CONNECTIONS (FOR ALL UTILITY TYPES) WHICH ARE TEMPORARILY DISCONNECTED DUE TO CONSTRUCTION REQUIREMENTS, DAMAGED OR OTHERWISE DISCONNECTED, SHALL BE REPAIRED IN KIND AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE DIRECTED. (NO SEPARATE PAY). SERVICE INTERRUPTIONS SHALL BE COORDINATED WITH THE UTILITY OWNER AND THE AFFECTED STRUCTURE OWNER. EXCEPTION 1: WATER SERVICE CONNECTIONS WHICH ARE DEGRADED BEYOND REPAIR, LEAKING, BROKEN, ETC. PRIOR TO CONSTRUCTION, SHALL BE DOCUMENTED, REPORTED TO THE ENGINEER, REPAIRED AND PAID AS OUTLINED IN THE BID PROPOSAL (SIZE TO MATCH EXISTING). EXCEPTION 2: ANY OTHER SERVICE CONNECTIONS, EXCEPT WATER & SEWER, WHICH ARE DEGRADED BEYOND REPAIR, LEAKING, BROKEN, ETC. PRIOR TO CONSTRUCTION, SHALL BE DOCUMENTED, REPORTED TO THE ENGINEER AND REPORTED TO THE UTILITY OWNER.
15.

THE CONTRACTOR SHALL NOTE MINIMUM GRADES FOR VARIOUS LOCATIONS OF PROPOSED SEWER LINES WITHIN THE PROJECT. THE CONTRACTOR SHALL HAVE THE EXPERTISE TO INSTALL PIPING ON THESE GRADES. ANY INSTALLED PIPE FOUND TO HAVE MORE THAN ¼" OF STANDING WATER SHALL BE REMOVED AND RE-LAID AT THE CONTRACTOR'S EXPENSE.
16.

ALL BEDDING MATERIAL FOR ALL PIPE SHALL BE ABSORBED IN THE PRICE OF THE PIPE LAYING OPERATION.
17.

ALL MANHOLES LOCATED IN FLOOD ZONES SHALL HAVE BOLTED LIDS AND FRAMES AS SHOWN ON PLANS.

SPECIAL SEWER ABANDONMENT / REMOVAL NOTES:

1.

ALL EXISTING MANHOLES NOTED TO BE REMOVED SHALL BE REMOVED ENTIRELY. REMOVED ITEMS SHALL BE DISPOSED OF APPROPRIATELY.
2.

ALL EXISTING MANHOLES NOTED TO BE ABANDONED, SHALL BE PAID FOR PER EACH AND SHALL BE MODIFIED AS FOLLOWS:

2.1.

REMOVE AND DISPOSE OF SANITARY WASTE.

2.2.

REMOVE COVER, FRAME AND THE TOP 36" OF MANHOLE STRUCTURE. DISPOSE OF REMOVED OBJECTS APPROPRIATELY.

2.3.

FILL THE MANHOLE WITH SAND.

2.4.

CAP THE MANHOLE WITH 3000 PSI, NON-REINFORCED CONCRETE (6" DEPTH).

2.5.

BACKFILL WITH NATIVE SOIL MATERIAL AND/OR FILL MATERIAL (CL B9) AND COMPACT. GRADE TO DRAIN AS REQUIRED. GRASS DISTURBED AREA OR REPAIR PAVEMENT AREAS.
3.

ALL EXISTING SEWER PIPES NOTED TO BE REMOVED, SHALL BE REMOVED ENTIRELY. (NO SEPARATE PAY)
4.

ALL EXISTING SEWER PIPES NOTED TO BE ABANDONED SHALL BE PAID FOR BY LINEAR FOOT AND SHALL BE MODIFIED AS FOLLOWS:

4.1.

REMOVE AND DISPOSE OF SANITARY WASTE.

4.2.

FILL THE PIPE WITH FLOWABLE FILL.

4.3.

PLUG ENDS.
5.

WHERE ABANDONED SEWER PIPES AND/OR MANHOLES CONFLICT WITH THE NEW CONSTRUCTION, THE EXISTING PIPE OR MANHOLE SHALL BE REMOVED, UNLESS NOTED OTHERWISE OR DIRECTED BY THE ENGINEER.

WATER NOTES

1.

ALL WORK ITEMS FOR WHICH NO PAY ITEMS ARE ESTABLISHED SHALL BE ABSORBED IN THE COST OF THE PIPE LAYING OPERATION.
2.

NO PIPE SHALL BE LAID IN THE PRESENCE OF WATER.
3.

WHERE THE WATER MAIN IS WITHIN 10 FEET OF A SEWER MAIN HORIZONTALLY, THE BOTTOM OF THE WATER MAIN SHALL BE AT LEAST 18" FROM THE TOP OF THE SEWER MAIN, UNLESS OTHERWISE NOTED.
4.

ALL STEEL CASINGS SHALL BE 0.250" WALL THICKNESS, UNLESS OTHERWISE NOTED, AND OF THE SIZE AS NOTED ON THESE PLANS.
5.

ALL ROAD BORES SHALL BE IN ACCORDANCE TO THE DETAILS.
6.

ALL WATER PIPE SHALL BE DUCTILE IRON, CLASS 350, AND/OR HDPE DR9, 200 PSI, AS NOTED ON PLANS.
7.

ALL FITTINGS AND VALVES SHALL BE DUCTILE IRON WITH CONCRETE THRUST BLOCK AT ALL BENDS AND SECURED TOGETHER WITH MEGA LUG CONNECTIONS. ALL TEES AND VALVES SHALL BE SECURED TOGETHER AS ONE UNIT. VALVES AND FIRE HYDRANTS SHALL BE SECURED TOGETHER BUT SEPARATE FROM THE TEE AND OTHER VALVES. ALL FITTINGS, EXCEPT VALVES SHALL BE ABSORBED ITEMS.
8.

ALL BENDS SHOWN IN THE PROPOSED WATERLINE SHALL BE ACCOMPLISHED THROUGH THE USE OF THE REQUIRED FITTINGS (22.5', 30', 45'...). SINGLE 90° BEND FITTINGS SHALL NOT BE PERMITTED UNLESS SPECIFICALLY NOTED ON THE PLANS AND/OR APPROVED BY THE ENGINEER. 90° BENDS SHALL BE ACCOMPLISHED BY USING MULTIPLE SMALLER BEND FITTINGS. BENDS SHOWN ON THE PLAN SHEETS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO BIDDING AND CONSTRUCTION. ONLY MAJOR BENDS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FITTINGS NECESSARY TO INSTALL THE PROPOSED WATER LINE. (NO SEPARATE PAY) TEES AND CROSSES SHALL BE PAID FOR UNDER THE CONNECTION ITEM.
9.

ALL PROPOSED FIRE HYDRANTS SHOWN FOR INSTALLATION ON THE PLANS SHEETS SHALL BE 3-WAY HYDRANTS AS DETAILED. ALL HYDRANTS SHALL BE SAFETY YELLOW IN COLOR FROM THE MANUFACTURER. ACCEPTABLE FIRE HYDRANTS SHALL BE M & H, MUELLER AND AMERICAN DARLING.
10.

FULL LENGTH PIPE SECTIONS ARE REQUIRED BEFORE AND AFTER ALL FITTINGS.
11.

ALL VALVES NOTED ON THESE PLANS SHALL BE GATE VALVES.
12.

ALL EXISTING WATER LINES NOTED FOR ABANDONMENT ON THIS PROJECT SHALL BE COMPLETELY DISCONNECTED FROM THE EXISTING SYSTEM AND CAPPED.
13.

PRESSURE TESTS WILL BE REQUIRED ON ALL WATER MAIN INSTALLED.
14.

ALL NEW CONSTRUCTION TO BE FLUSHED WITH CLOSE SUPERVSION OF THE SYSTEM OPERATOR.
15.

ALL BACTI-SAMPLES SHALL BE TAKEN BY THE SYSTEM OPERATOR OR HIS REPRESENTATIVES. ANY AND ALL SAMPLING FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
16.

WATER SERVICE NOTES:

16.1.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING WATER METERS ALONG ALL STREETS WITHIN THE PROJECT AREA WHICH ARE NOTED FOR WATER MAIN CONSTRUCTION. SOME METERS MAY NOT HAVE BEEN LOCATED DURING THE DESIGN PHASE OF THIS PROJECT DUE TO FIELD CONDITIONS. HOWEVER, ALL METERS WITHIN THE PROJECT AREA SHALL BE RECONNECTED.

16.2.

UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONNECTING ANY SERVICE, WHICH IS PRESENTLY CONNECTED TO AN EXISTING WATER MAIN THAT IS NOTED FOR ABANDONMENT ON THIS PROJECT, TO AN ADJACENT PROPOSED WATER LINE (SEE PLAN SHEETS).

16.3.

A CRITERIA FOR THIS PROJECT IS TO ELIMINATE UNDER SIZED (UNDER 4" DIAMETER) WATER MAINS WITHIN THE PROJECT AREA. WATER SERVICES SHALL BE RECONNECTED TO AN ADJACENT EXISTING LARGE WATER MAIN (4" DIAMETER AND OVER).

16.4.

SERVICE CONNECTIONS SHALL INCLUDE (BUT MAY NOT BE LIMITED TO) TAPPING SADDLE, CORPORATION STOP, SERVICE LINE (LENGTH AS REQUIRED) OF MATCHING SIZE AND/OR ALL NECESSARY FITTINGS. SERVICE RECONNECTIONS SHALL BE PAID PER EACH AS OUTLINED IN THE BID DOCUMENTS. SERVICE CONNECTION SHALL INCLUDE CONNECTION TO THE MAIN AND THE CONNECTION TO NEW OR EXISTING WATER METERS.

16.5.

NEW SERVICE CONNECTIONS SHALL BE INSTALLED AS ONE CONTINUOUS PIPE FROM THE WATER MAIN TO THE METER. SPLICES SHALL NOT BE ALLOWED. THE ENTIRE SERVICE BETWEEN THE METER AND THE NEW MAIN SHALL BE REPLACED. SERVICE LINE BORES SHALL BE PAID SEPARATELY.

16.6.

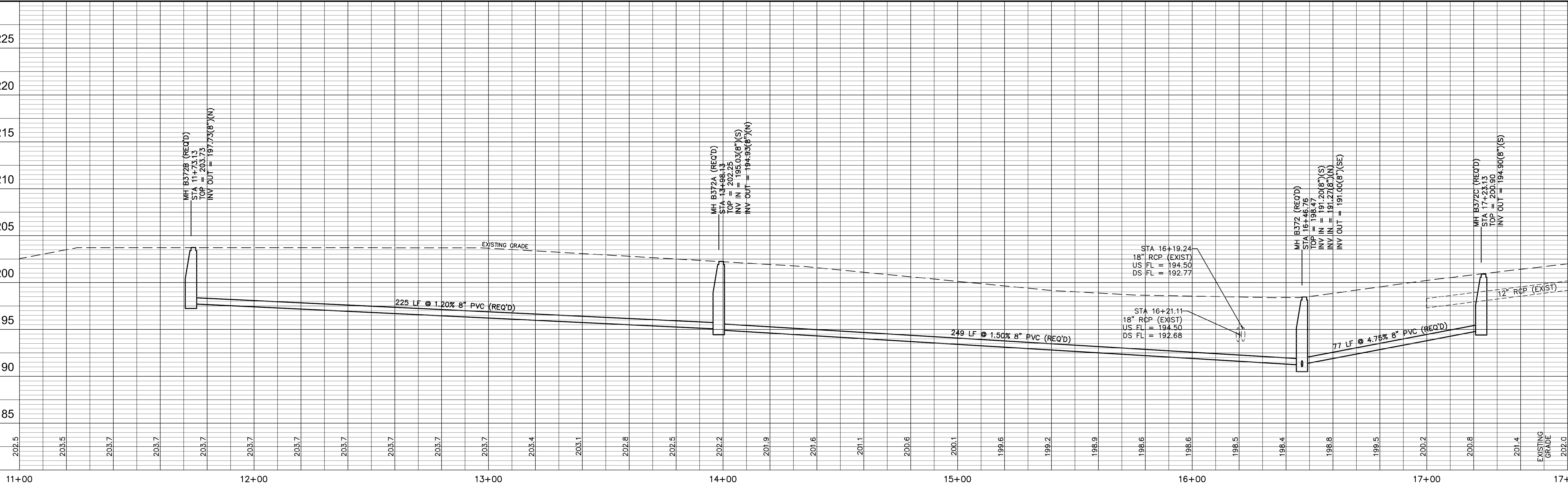
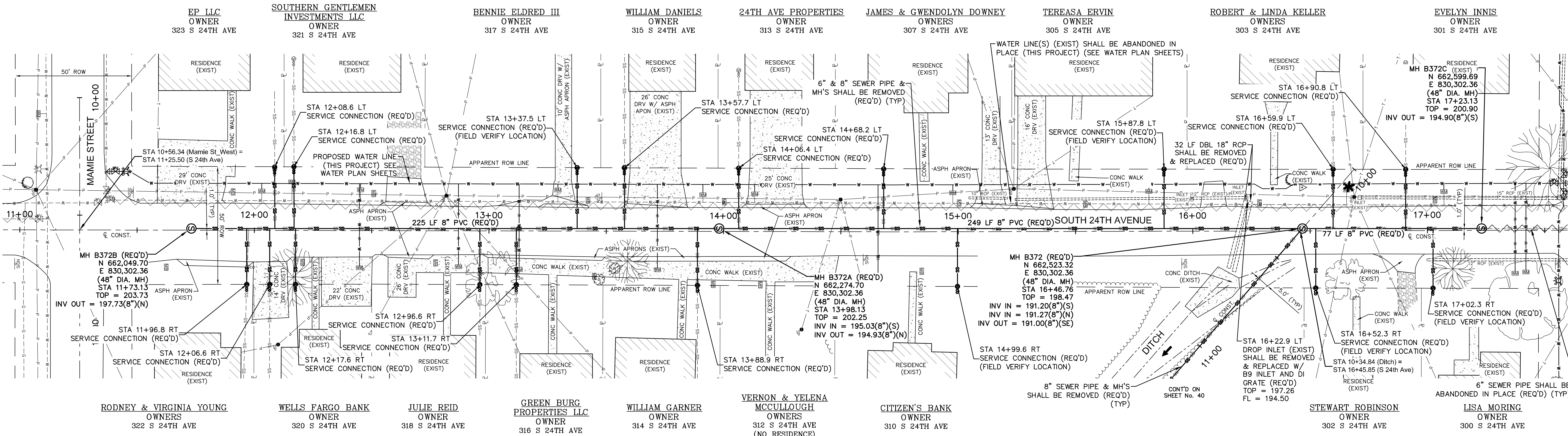
METERS SHALL ONLY BE INSTALLED WHERE NOTED ON THE PLANS AND SHALL BE PAID SEPARATELY. METERS SHALL MATCH SERVICE LINE SIZE AND BE OF BRAND/TYPE SPECIFIED BY THE OWNER,

16.7.

THE CONTRACTOR SHALL TAKE NOTE THAT THERE ARE SERVICES SHOWN ON THE PLANS TO BE DISCONNECTED FROM EXISTING WATER MAINS AND RECONNECTED TO AN EXISTING WATER MAIN. THIS SERVICE CONNECTION ITEM SHALL BE PAID UNDER "RECONNECTION OF WATER SERVICE" AND SHALL INCLUDE TAPPING SADDLE, CORPORATION STOP, SERVICE LINE (LENGTH AS REQUIRED) OF MATCHING SIZE AND/OR ALL NECESSARY FITTINGS. SERVICE CONNECTION SHALL INCLUDE CONNECTION TO THE EXISTING MAIN AND THE CONNECTION TO THE EXISTING METER. THE ENTIRE SERVICE BETWEEN THE METER AND THE EXISTING MAIN SHALL BE REPLACED. SERVICE LINE BORES SHALL BE PAID SEPARATELY.

NO.	DATE	DESCRIPTION	BY
GENERAL NOTES			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: RES\BT		Checked by: JTW	Scale: NONE
Date: 12-11-2017		Working No. GN1	
Drawing No.: 1273-S010		Sheet No. 5	

CONTROL MONUMENT - 1
GUARDED 604 GALV MAG NAIL
N 662,523.19
E 830,284.86
18.5 FT LT STA. 16+46.68



SOUTH 24TH AVENUE STA 11+00 - STA 17+60

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

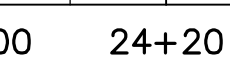
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DATE	REVISION	BY					



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DRAWING NO.
1273-S010
WORKING No. **PnP 1**
SHEET NO. **6**

CONTROL MONUMENT 2
GUARDED 60d GALV MAG NAIL
N 662,904.58
E 830,283.18
20.4 FT LT STA. 20+27.79



COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI



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PARKWAY HEIGHTS UNITED
METHODIST CHURCH
OWNER
2400 HARDY STREET

CONTROL MONUMENT - 4
GUARDED 609 GAL V MAG NAIL
N 662,254.83
E 830,533.58
46.1 FT RT STA. 12+51.98

RODNEY & VIRGINIA YOUNG
OWNERS
322 S 24TH AVE

WELLS FARGO BANK
OWNER
320 S 24TH AVE

JULIE REID
OWNER
318 S 24TH AVE

GREEN BURG
PROPERTIES LLC
OWNER
316 S 24TH AVE

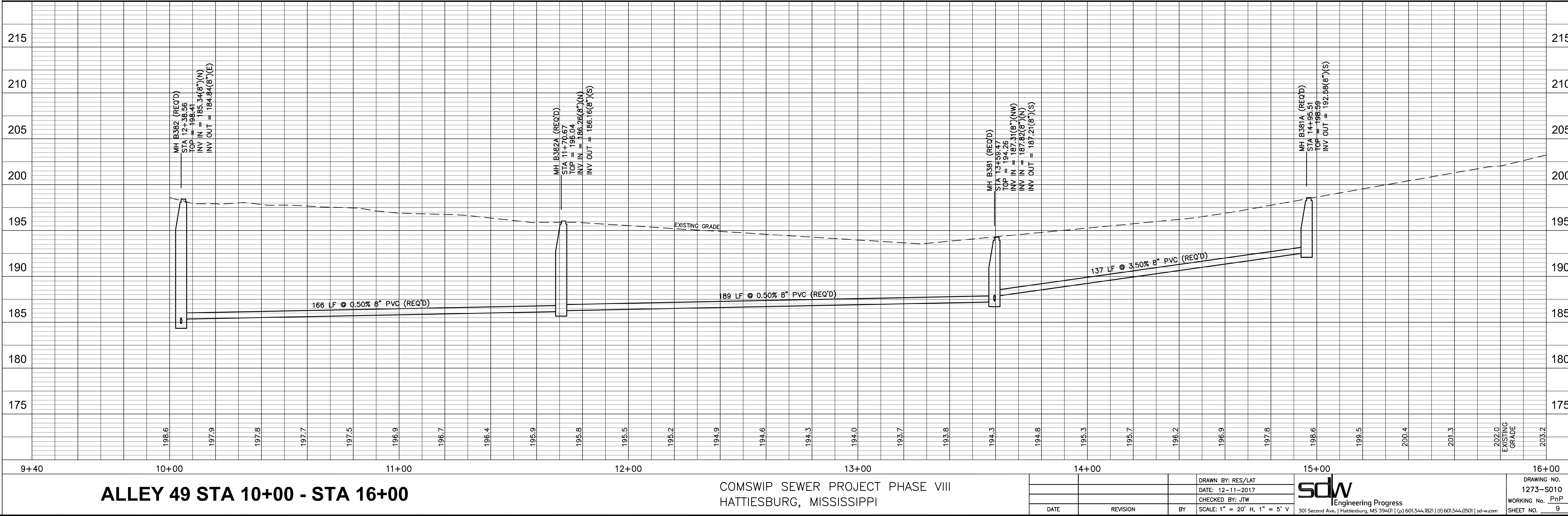
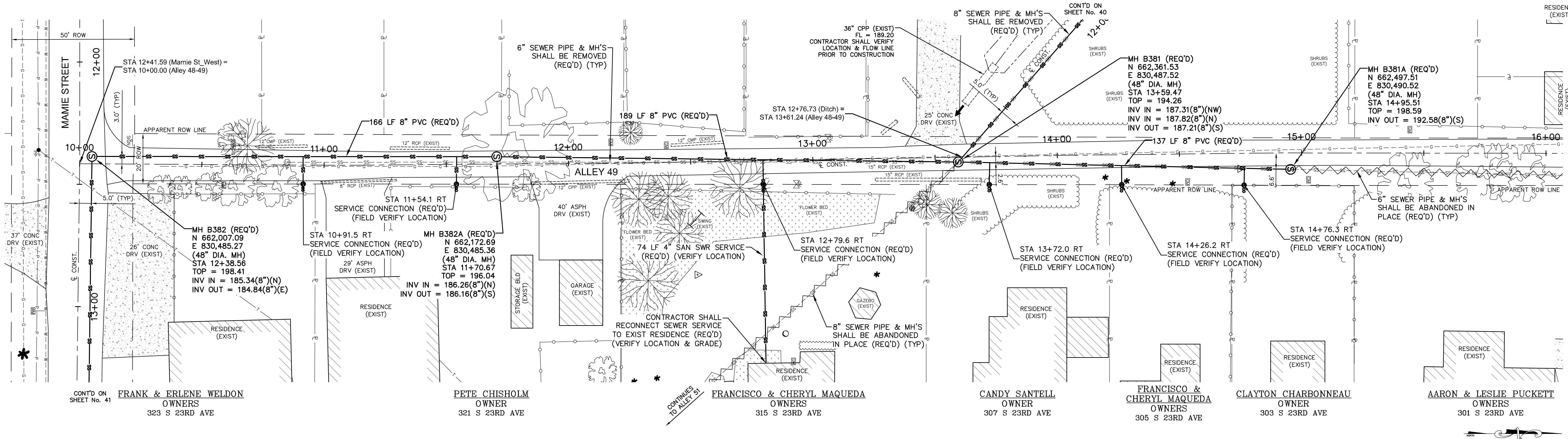
WILLIAM GARNER
OWNER
314 S 24TH AVE

VERNON & YELENA
MCCULLOUGH
OWNERS
312 S 24TH AVE

CITIZEN'S BANK
OWNER
310 S 24TH AVE

STEWART ROBINSON
OWNER
302 S 24TH AVE

LISA MORING
OWNER
300 S 24TH AVE



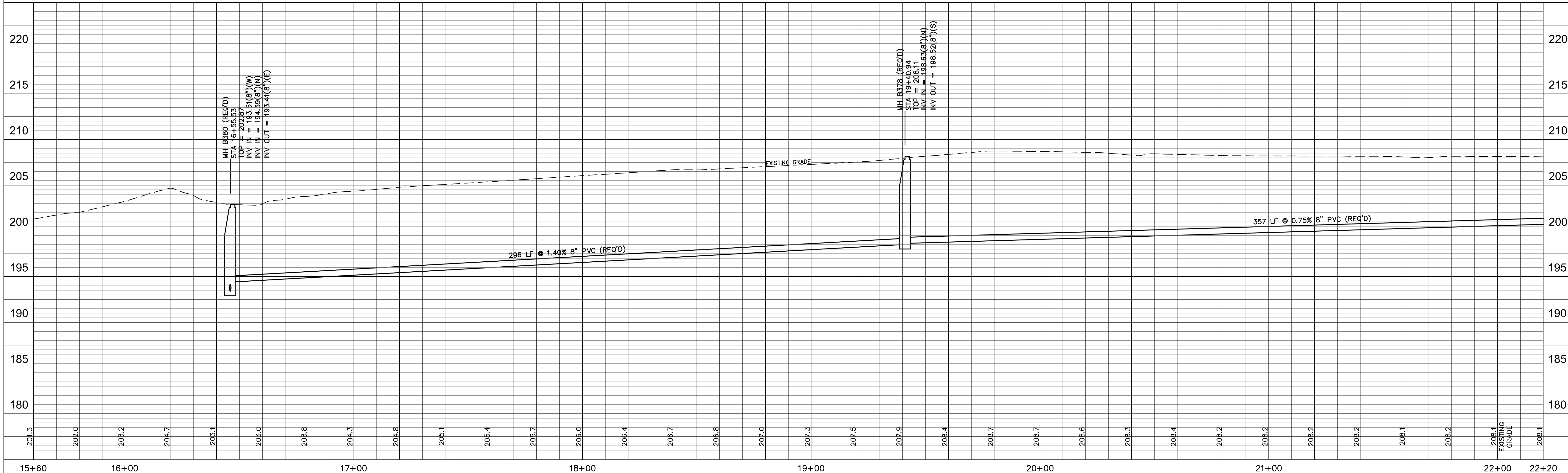
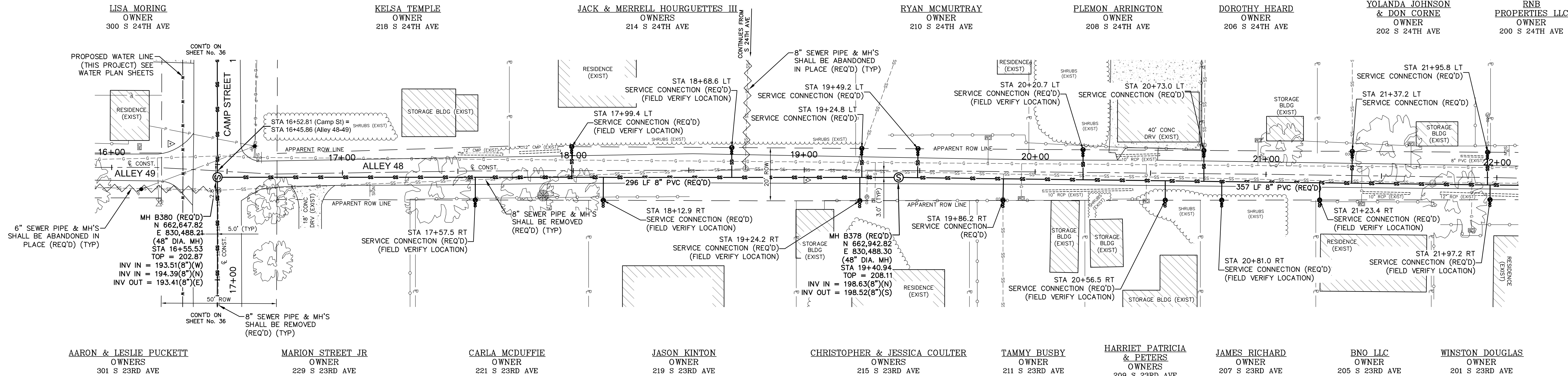
ALLEY 49 STA 10+00 - STA 16+00

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DATE		REVISION	BY	SCALE: 1" = 20' H, 1" = 5' V	DRAWN BY: RES/LAT DATE: 12-11-2017 CHECKED BY: JTW	SDW Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com	DRAWING NO. 1273-S010 WORKING No. PnP 4 SHEET NO. 9
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CONTROL MONUMENT - 5
GUARDED 60d GALV MAG NAIL
N 662.627.40
E 830.473.71
10.6 FT LT STA. 16+24.79

CONTROL MONUMENT - 6
GUARDED 60d GALV MAG NAIL
N 662.902.79
E 830.459.42
4.4 FT RT STA. 19+00.85



ALLEY 48 STA 16+00 - STA 22+20

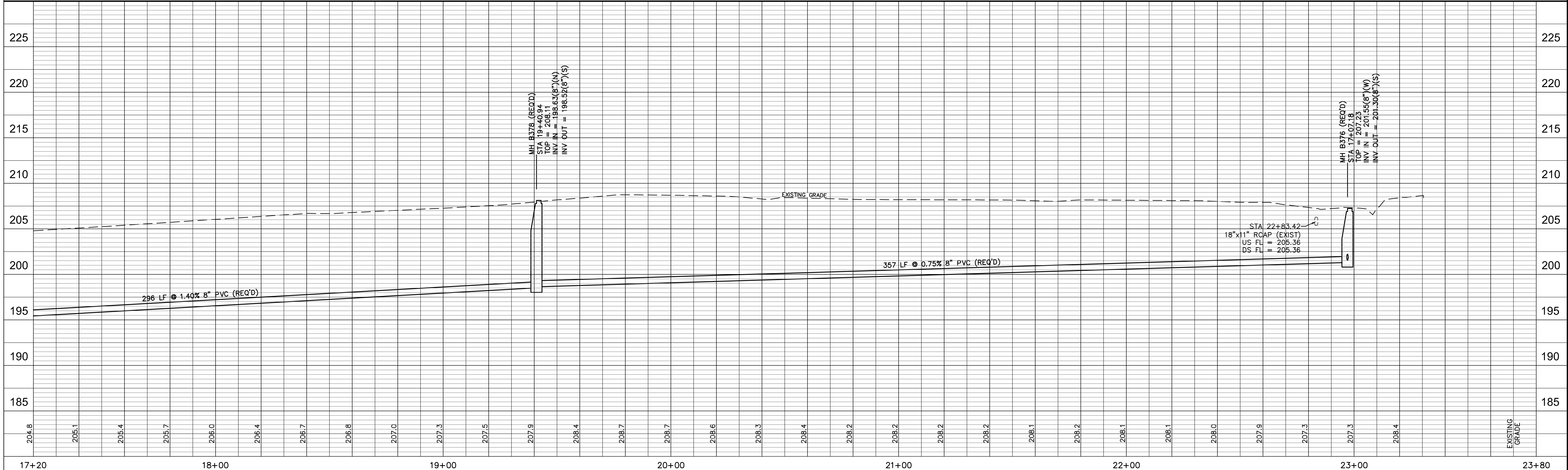
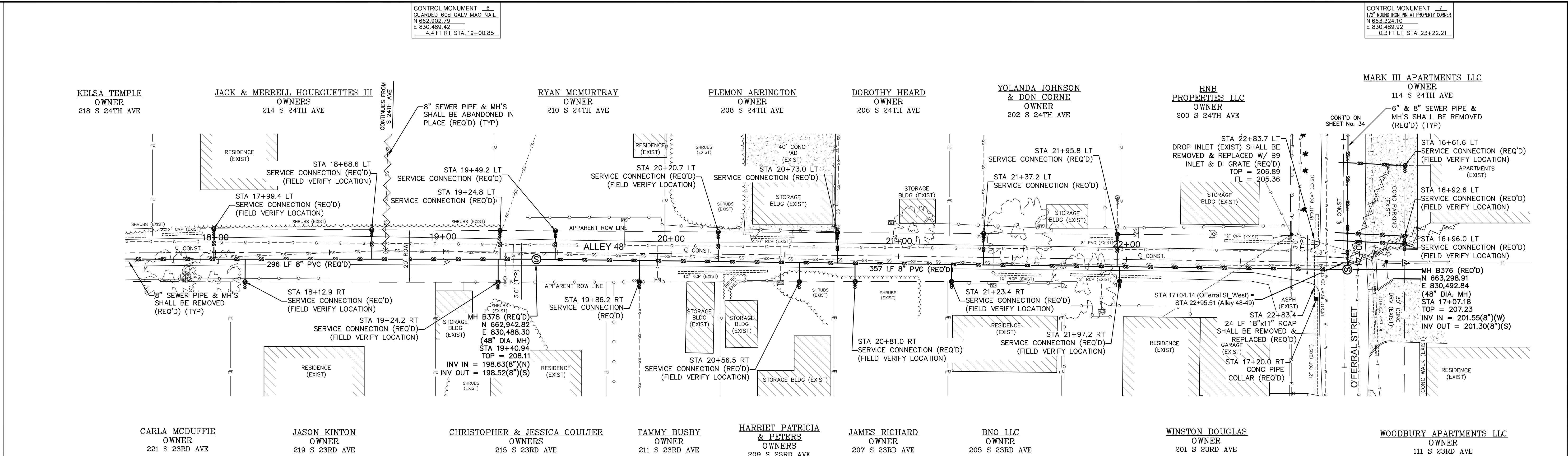
COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DRAWN BY: RES/LAT		DATE: 12-11-2017		CHECKED BY: JTW		SCALE: 1" = 20' H, 1" = 5' V	
DATE	REVISION	BY					

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DRAWING NO.
1273-S010
WORKING No. **PnP 5**
SHEET NO. **10**

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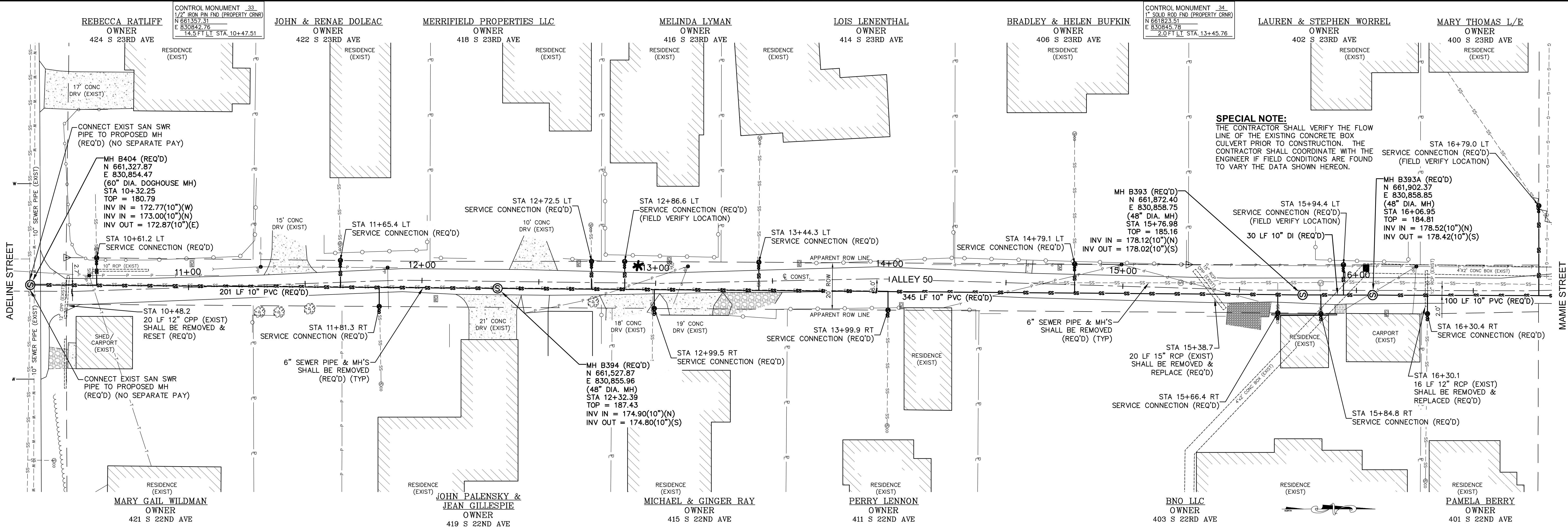


ALLEY 48 STA 17+20 - STA 23+00

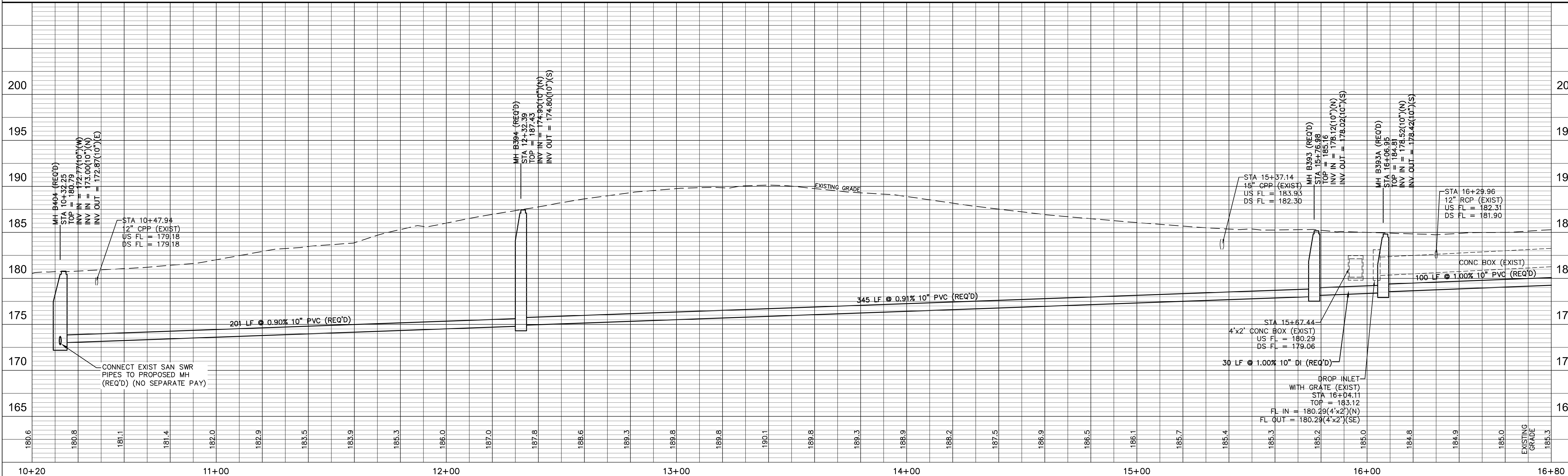
COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY	SCALE: 1" = 20' H, 1" = 5' V	DRAWN BY: RES/LAT DATE: 12-11-2017 CHECKED BY: JTW	SDW Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com	DRAWING NO. 1273-S010 WORKING No. Pn16 SHEET NO. 11
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SPECIAL NOTE:
THE CONTRACTOR SHALL VERIFY THE FLOW LINE OF THE EXISTING CONCRETE BOX CULVERT PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IF FIELD CONDITIONS ARE FOUND TO VARY THE DATA SHOWN HEREON.



ALLEY 50 STA 10+20 - STA 16+80

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DRAWN BY: RES/LAT		DATE: 12-11-2017		CHECKED BY: JTW		SCALE: 1" = 20' H, 1" = 5' V	
DATE	REVISION	BY					

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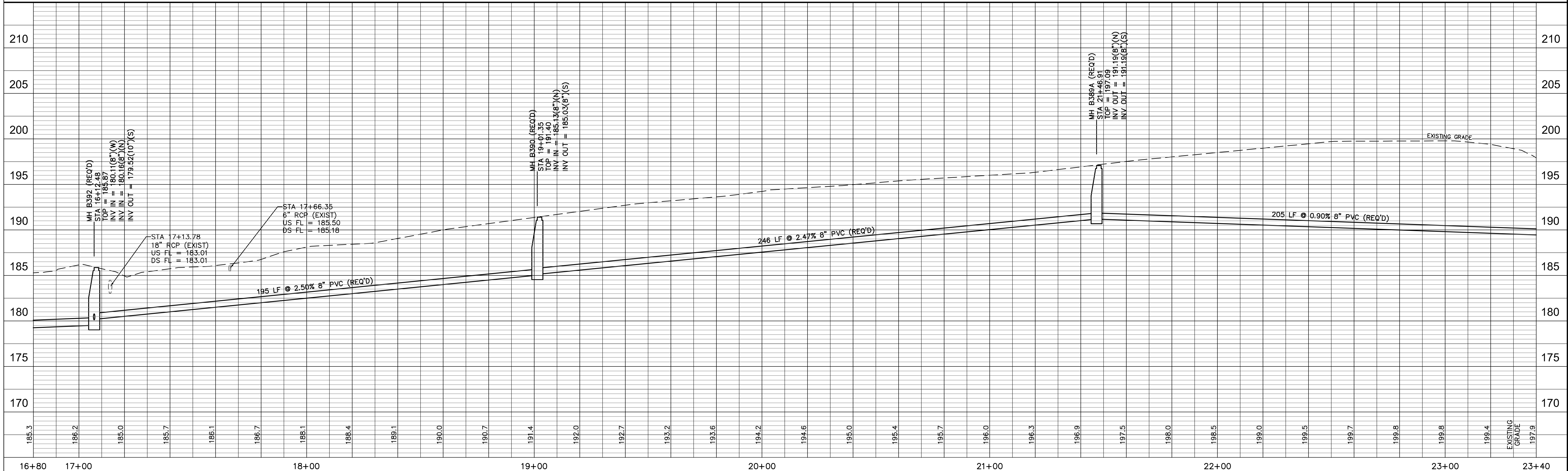
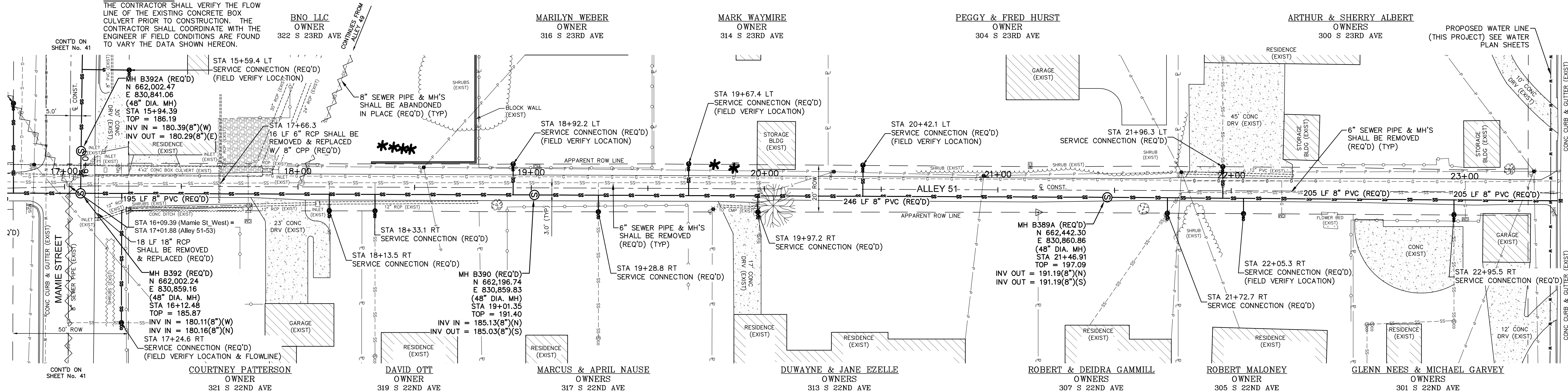
DRAWING NO.
1273-S010
WORKING No. **PnP 7**
SHEET NO. **12**

CONTROL MONUMENT .35
1/2" IRON PIN FND (PROPERTY CORNER)
N 662,022.85
E 830,859.02
10.6 FT RT STA 17+27.50

CONTROL MONUMENT .36
3/4" CIP FND (PROPERTY CORNER)
N 662,512.64
E 830,867.28
9.6 FT RT STA 21+17.29

SPECIAL NOTE:

THE CONTRACTOR SHALL VERIFY THE FLOW LINE OF THE EXISTING CONCRETE BOX CULVERT PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IF FIELD CONDITIONS ARE FOUND TO VARY THE DATA SHOWN HEREON.



ALLEY 51 STA 16+80 - STA 23+40

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

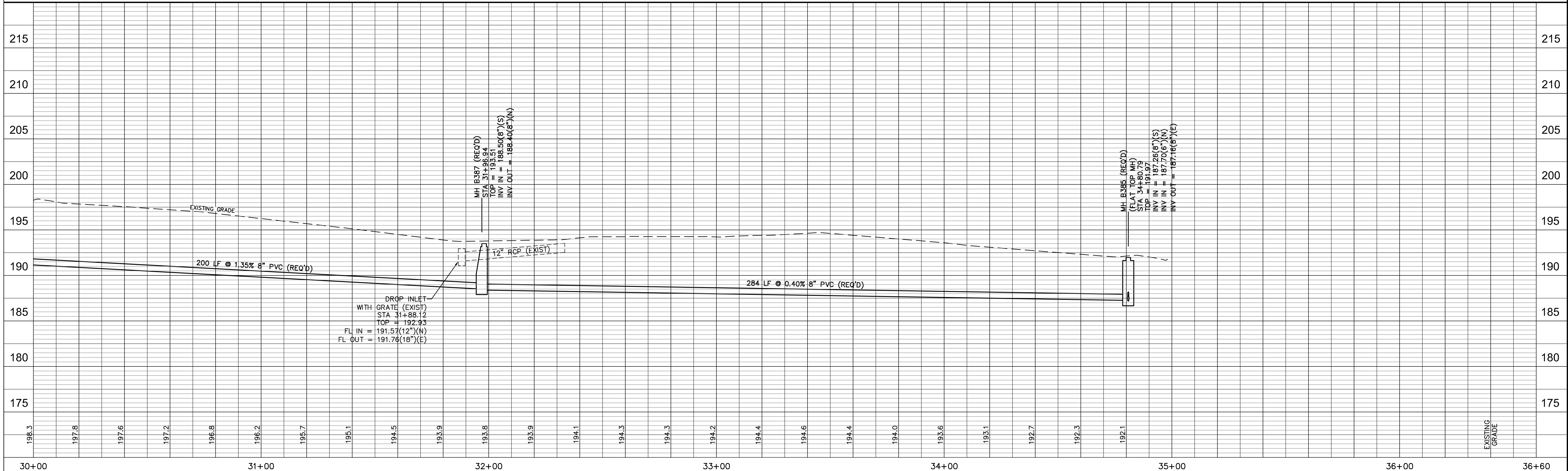
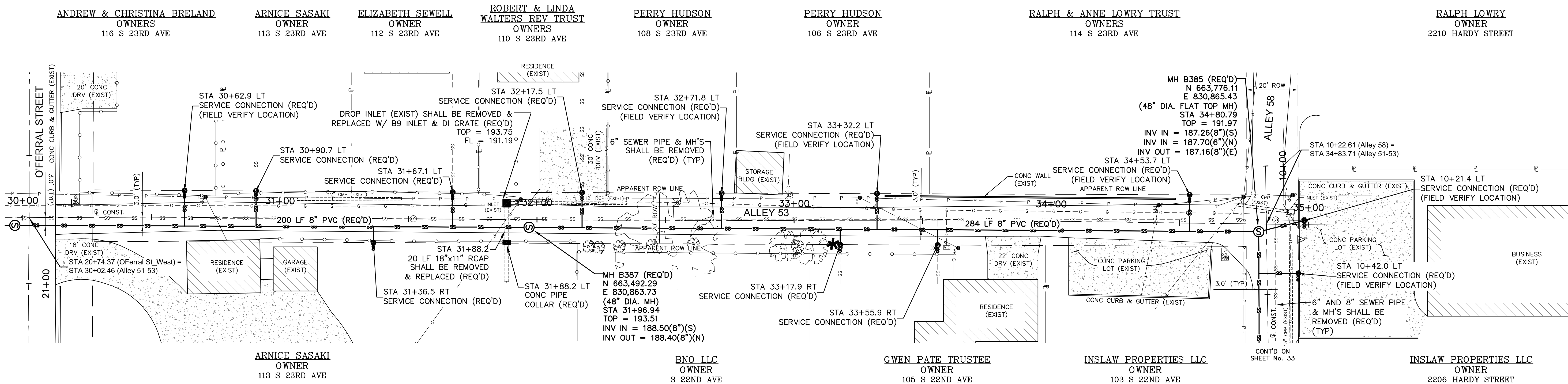
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CONTROL MONUMENT - 8 -
1/2" REBAR
N 663,315.29
E 830,854.39
5.5 FT LT STA. 30+19.94

CONTROL MONUMENT - 9 -
GUARDED 60d GALV PK NAIL
N 662,792.10
E 830,868.48
12.9 FT LT STA. 10+28.82



ALLEY 53 STA 30+00 - STA 35+00

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

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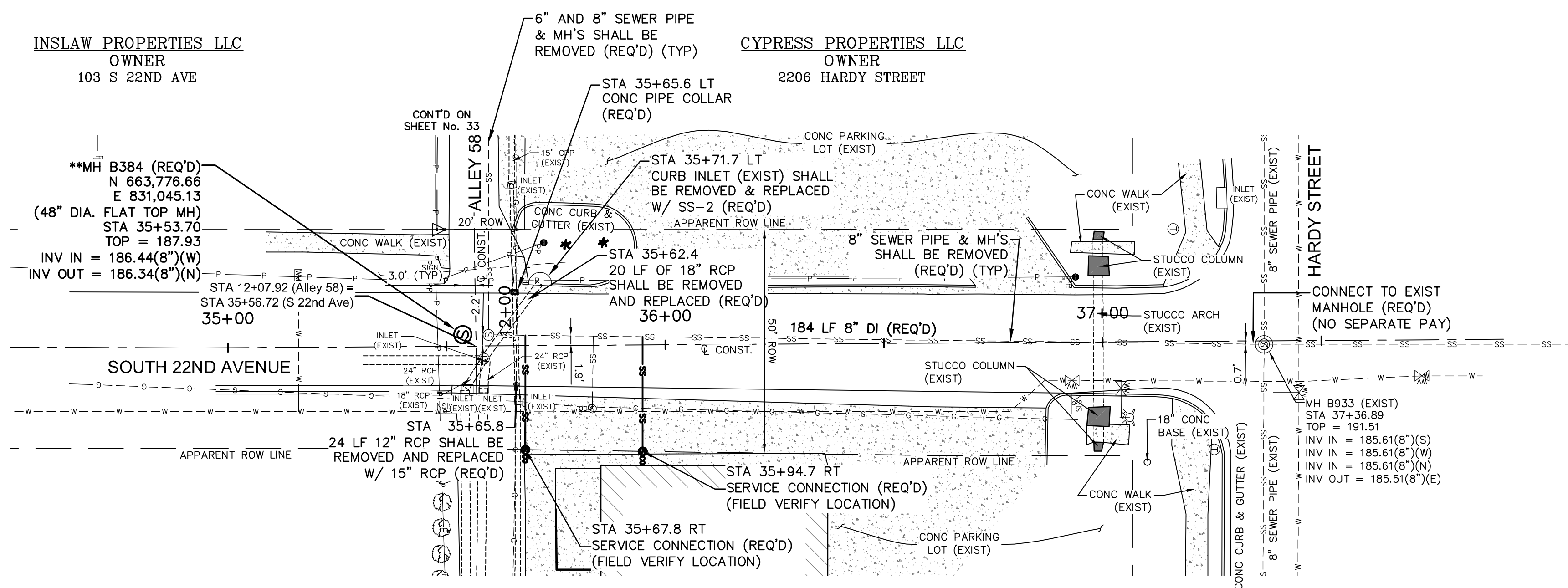
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CHECKED BY: JW
SCALE: 1" = 20' H, 1" = 5' V

DRAWING NO.
1273-S010
WORKING No. PnP 10
SHEET NO. 15

MANHOLE LID SHALL BE BOLTED
AND SEALED.

CONTROL MONUMENT 40
3/4" IRON PIN FOUND (PROPERTY CRNR)
N 663770.74
E 831021.14
26.7 FT LT STA. 35+47.94

CYPRESS PROPERTIES LLC
OWNER
2206 HARDY STREET

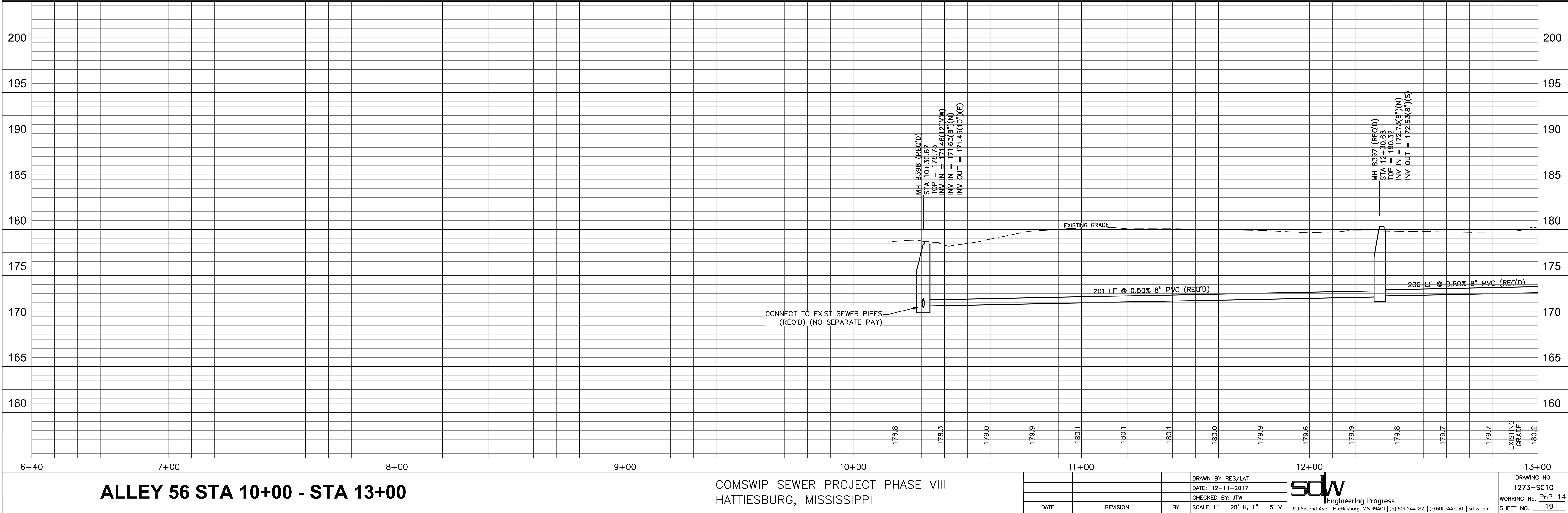
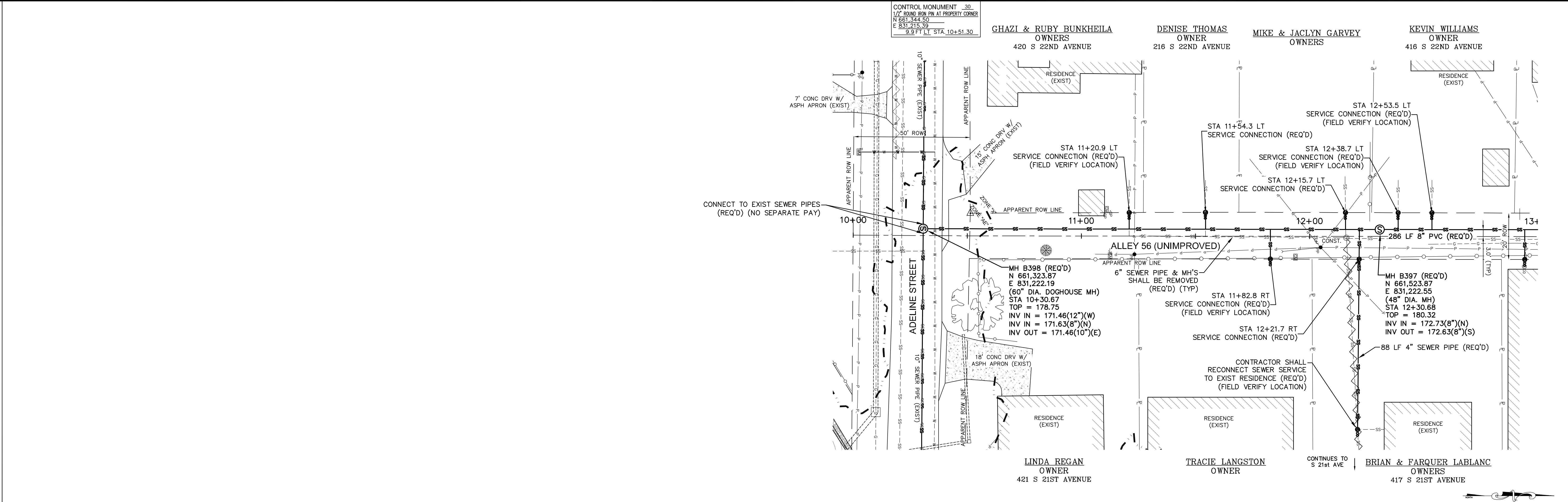


GENE & BRENDA OWENS
OWNERS
2208 HARDY STREET



			DRAWN BY: RES/LAT	 sdw Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw-w.com	DRAWING NO. 1273—S010
			DATE: 12-11-2017		
			CHECKED BY: JTW		WORKING No. PnP 1.
DATE	REVISION	BY	SCALE: 1" = 20' H, 1" = 5' V		SHEET NO. 18

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DENISE THOMAS
OWNER
216 S 23RD AVENUE

MIKE & JACLYN GARVEY
OWNERS

KEVIN WILLIAMS
OWNER
416 S 22ND AVENUE

JAMES & ROBIN BARWICK
OWNER
412 S 22ND AVENUE

KEVIN LAPORTE
OWNER
410 S 22ND AVENUE

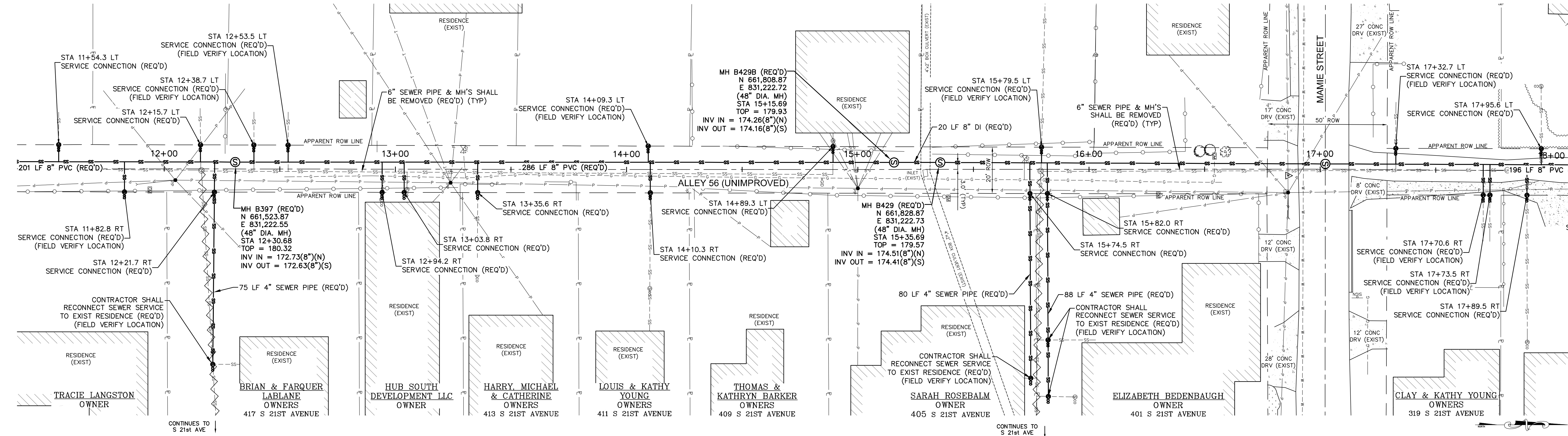
RANDY & CHERILYN THOMAS
OWNERS
406 S 22ND AVENUE

SHAWN NICHOLS
OWNER
404 S 22ND AVENUE

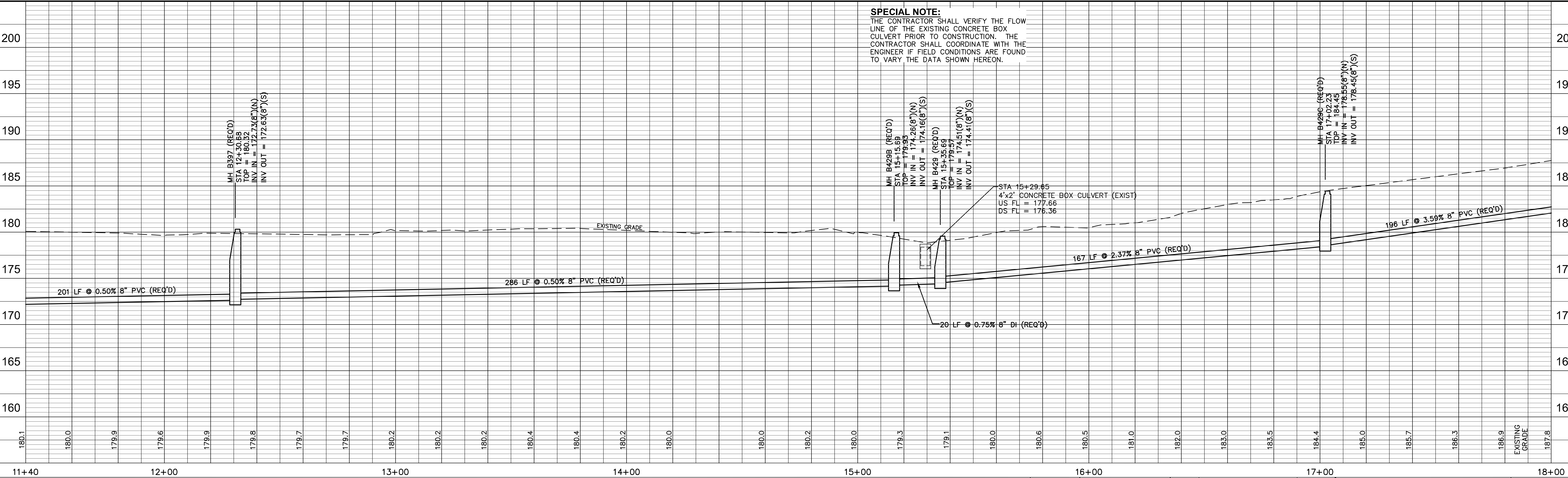
DAVID VANCE
OWNER
400 S 22ND AVENUE

LALA NOBLE
OWNER
322 S 22ND AVENUE

CONTROL MONUMENT 10
GUARDED 60d GALV MAG NAIL
N 852.784.02
E 831.906.35
2.7 FT RT STA 16+86.1



SPECIAL NOTE:
THE CONTRACTOR SHALL VERIFY THE FLOW LINE OF THE EXISTING CONCRETE BOX CULVERT PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IF FIELD CONDITIONS ARE FOUND TO VARY THE DATA SHOWN HEREON.



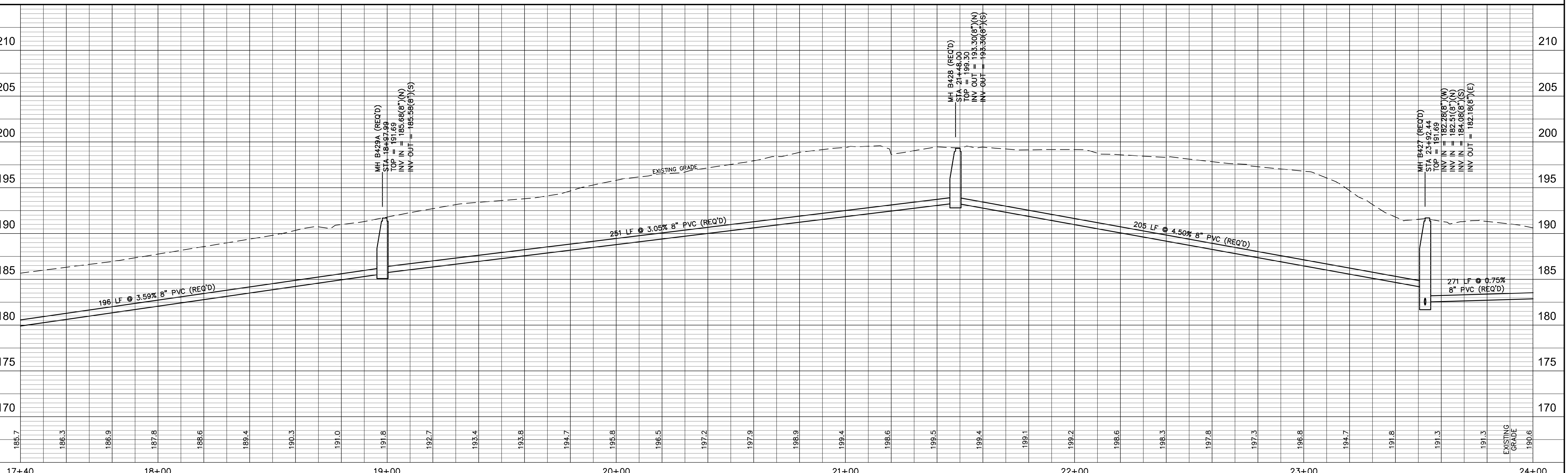
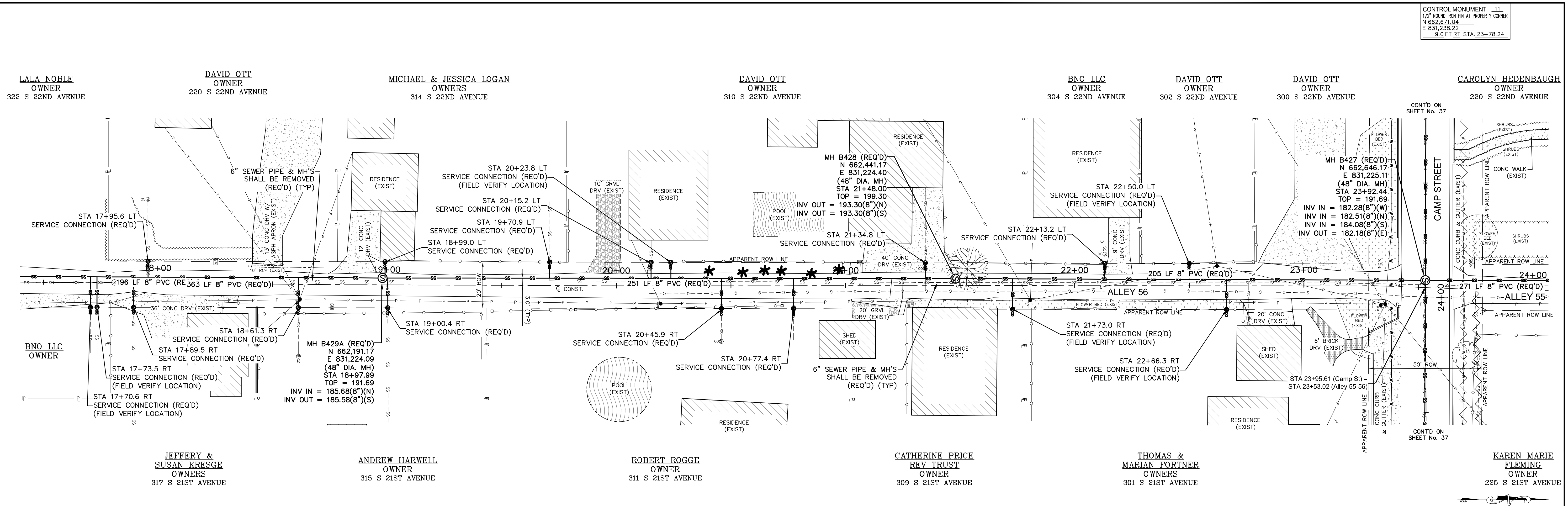
ALLEY 56 STA 11+40 - STA 18+00

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

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			DATE: 12-11-2017		
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ALLEY 56 STA 17+40 - STA 24+00

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DRAWN BY: RES/LAT		DATE: 12-11-2017	
CHECKED BY: JW		SCALE: 1" = 20' H, 1" = 5' V	
DATE	REVISION	BY	



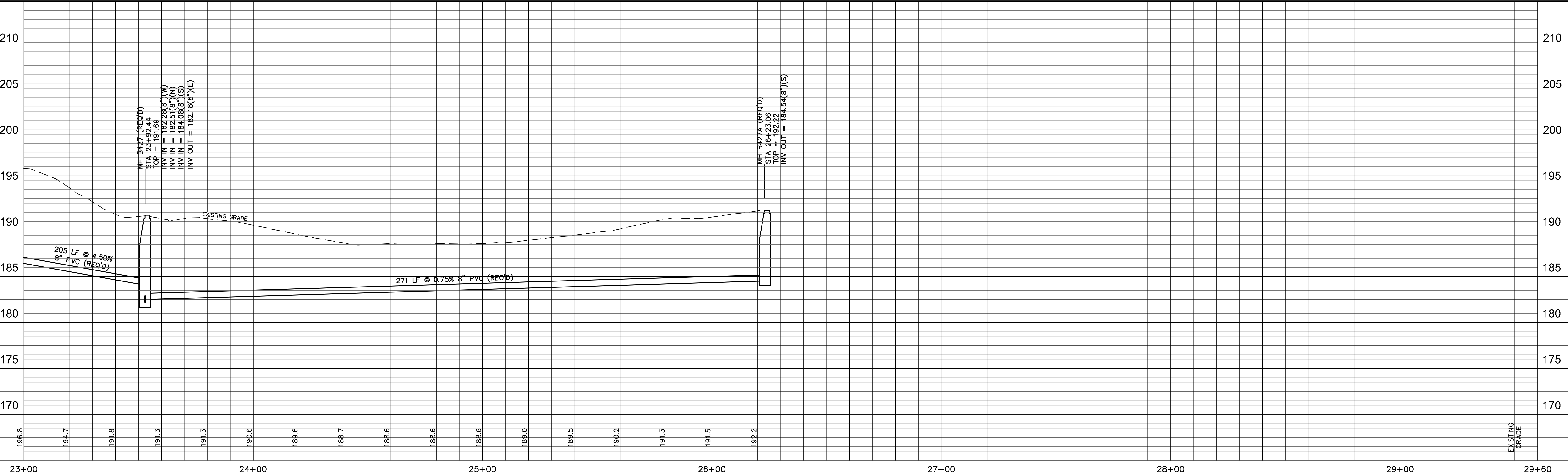
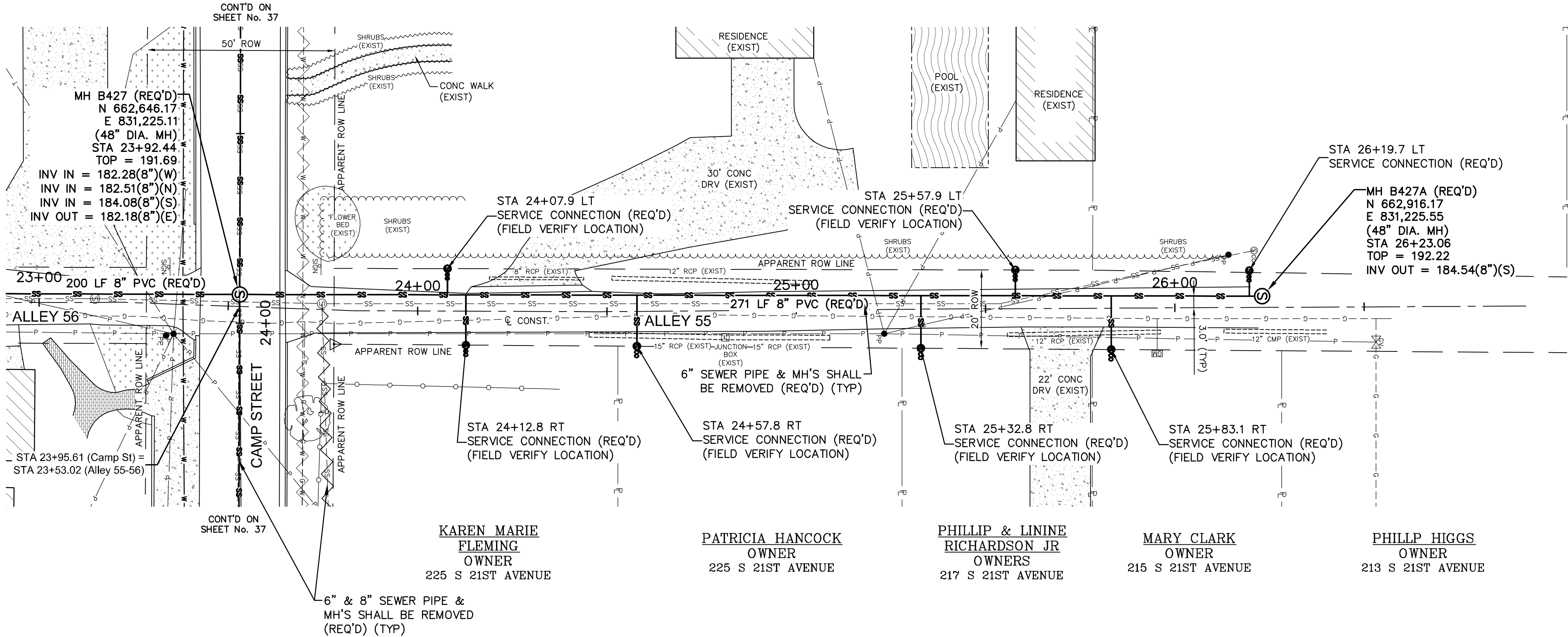
301 Second Ave., Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sdw.com

DRAWING NO. 1273-S010
WORKING NO. PnP 16
SHEET NO. 21

CONTROL MONUMENT - 11
1/2" ROUND IRON PIN AT PROPERTY CORNER
N 662.71.04
E 831.238.22
9.0 FT RT STA. 23+78.24

CAROLYN BEDENBAUGH
OWNER
220 S 22ND AVENUE

HARMONY ALBERT
OWNER
212 S 22ND AVENUE



ALLEY 55 STA 23+00 - STA 26+50

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

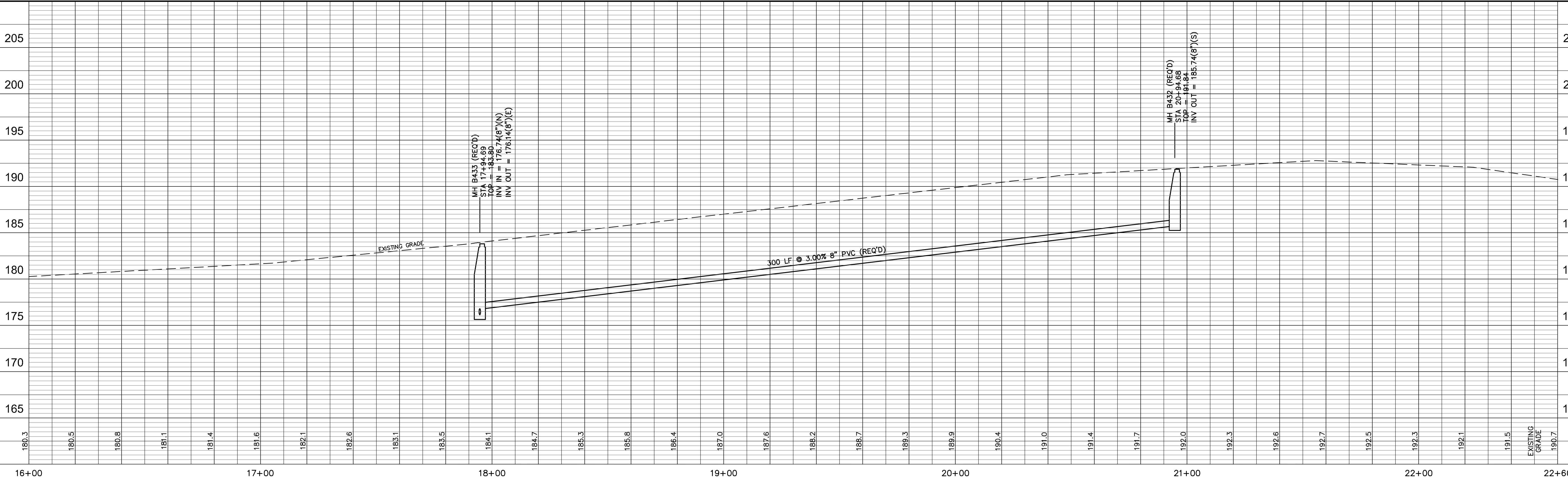
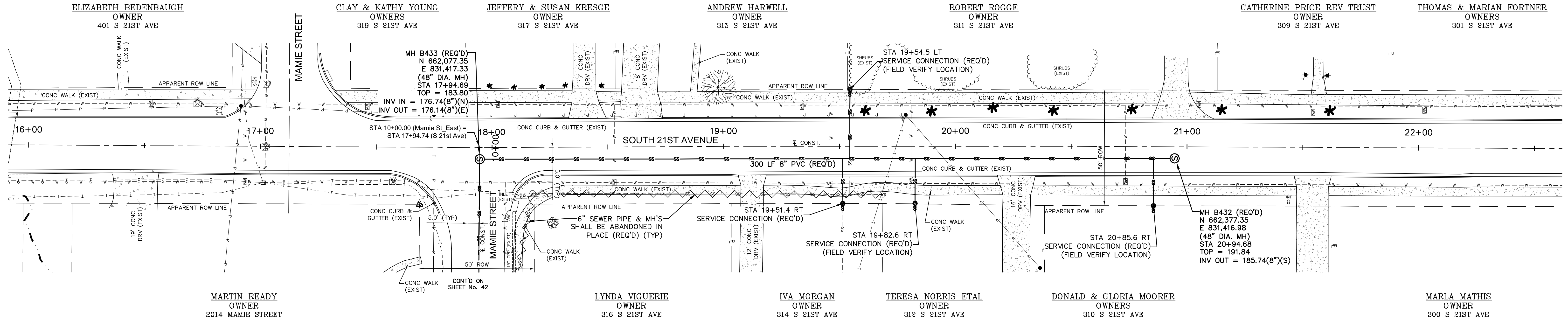
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			DATE: 12-11-2017
			CHECKED BY: JTW
DATE	REVISION	BY	SCALE: 1" = 20' H, 1" = 5' V

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DRAWING NO. 1273-S010
WORKING No. PnP 17
SHEET NO. 22

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CONTROL MONUMENT - 13
1/2" ROUND IRON PIN AT PROPERTY CORNER
N 662,067.35
E 831,436.77
24.6 FT RT STA. 17+68.81



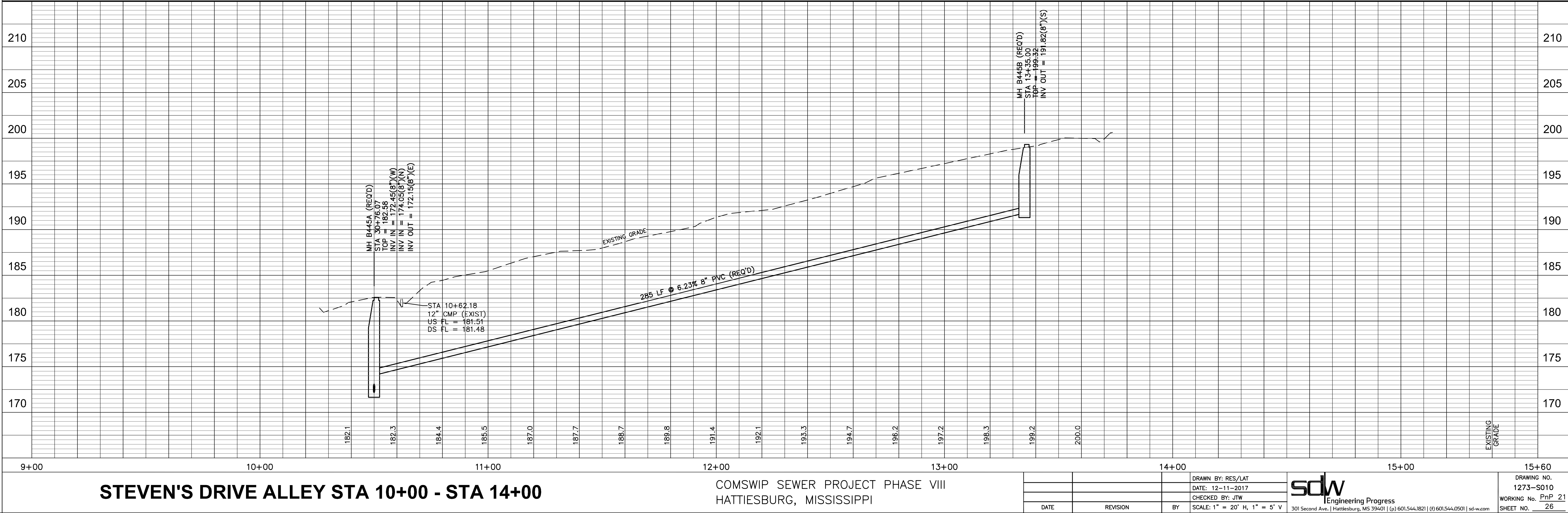
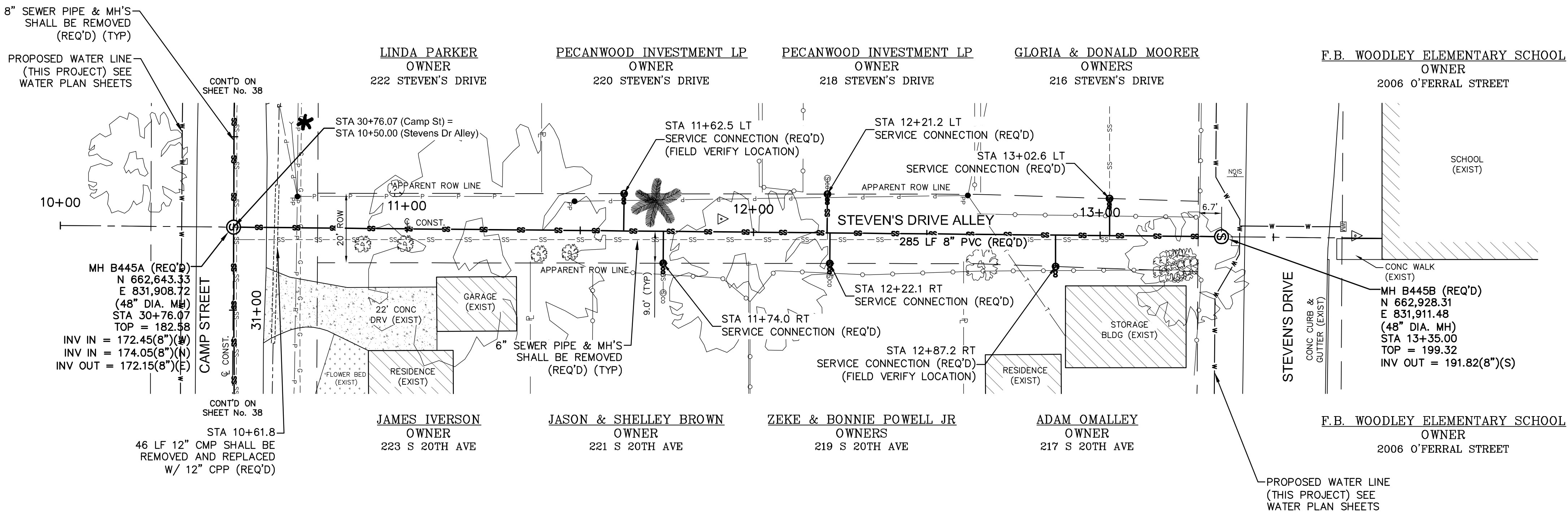
SOUTH 21ST AVENUE STA 17+80 - STA 21+00

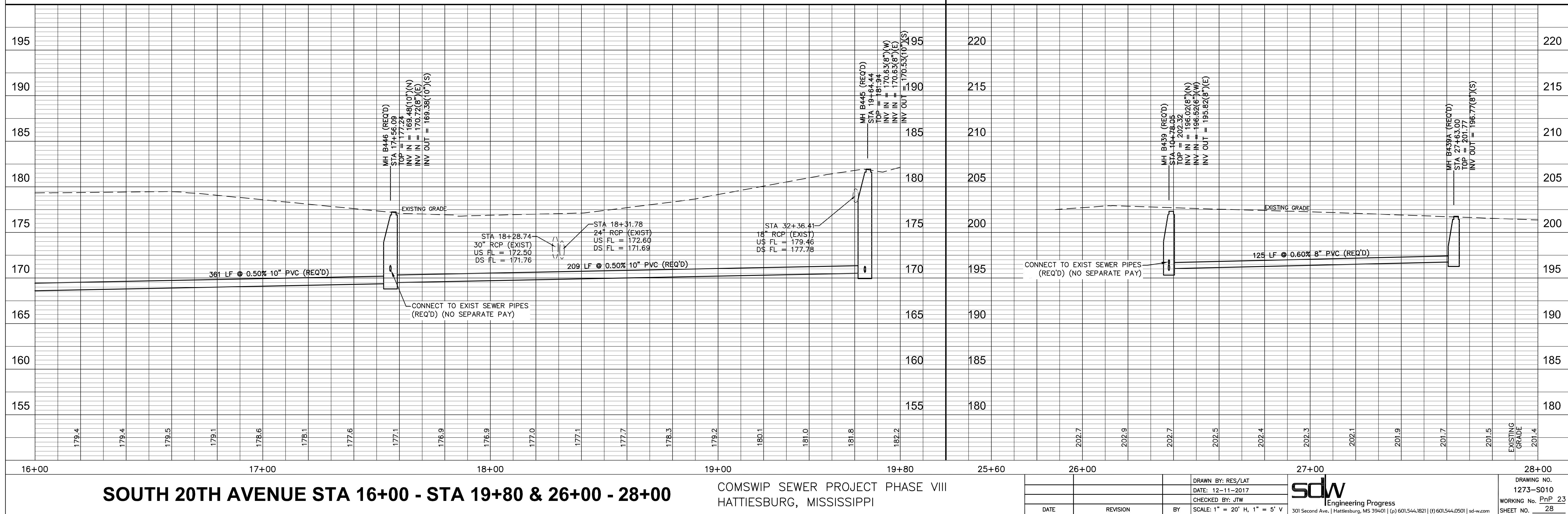
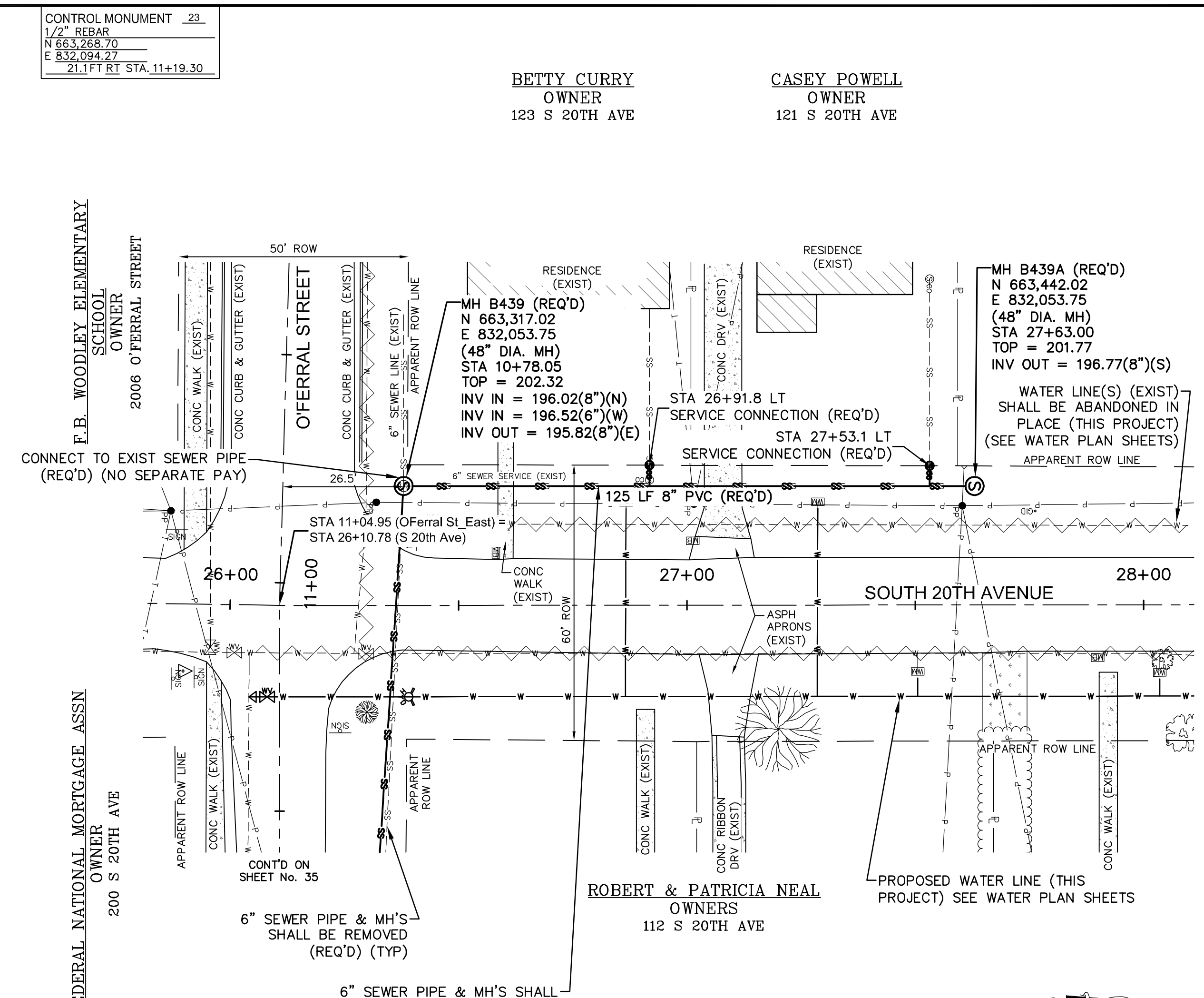
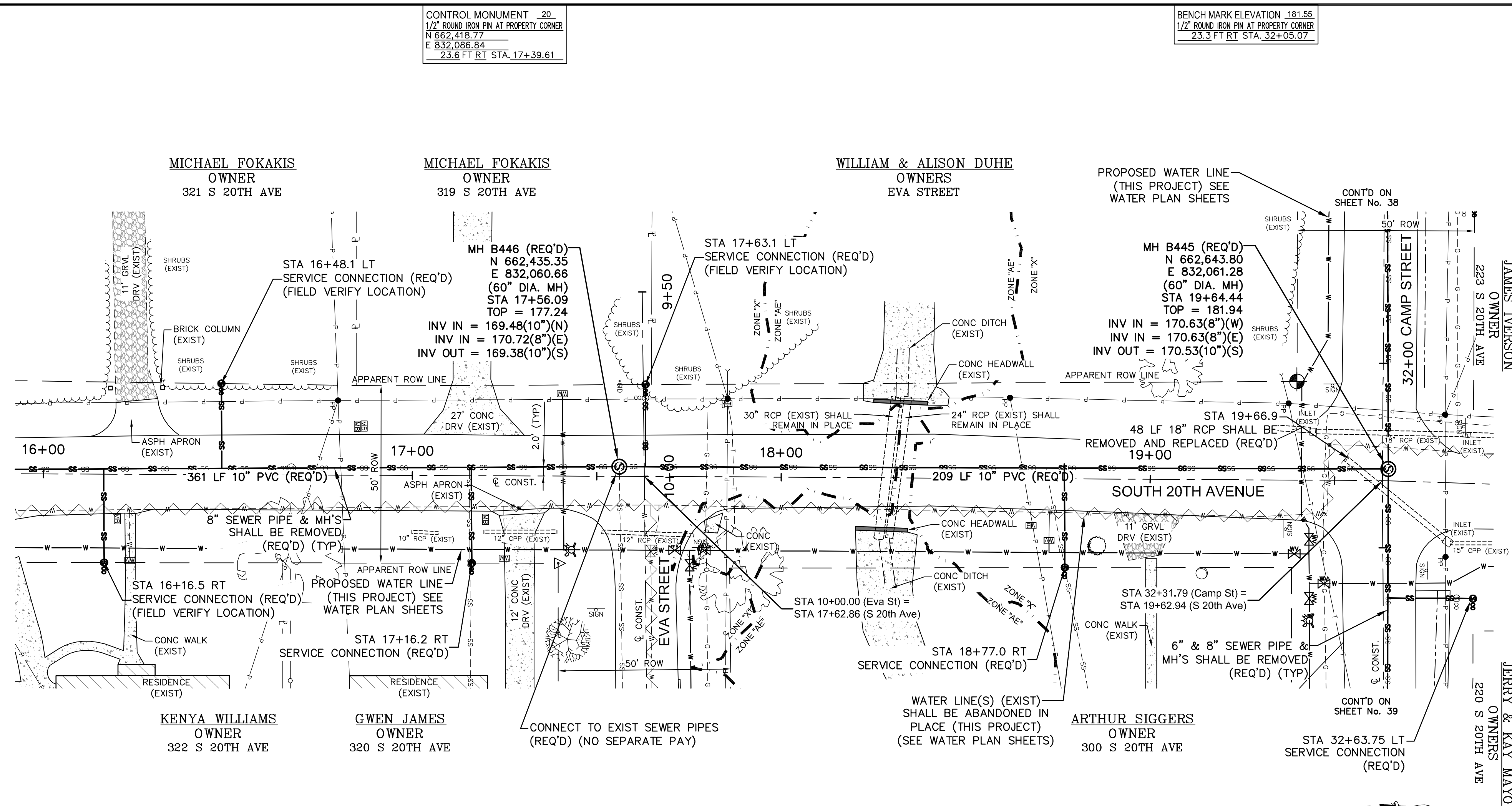
COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DATE		REVISION	BY	SCALE: 1" = 20' H, 1" = 5' V	DRAWN BY: RES/LAT DATE: 12-11-2017 CHECKED BY: JTW	sdw Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com	DRAWING NO. 1273-S010 WORKING No. PnP 19 SHEET NO. 24

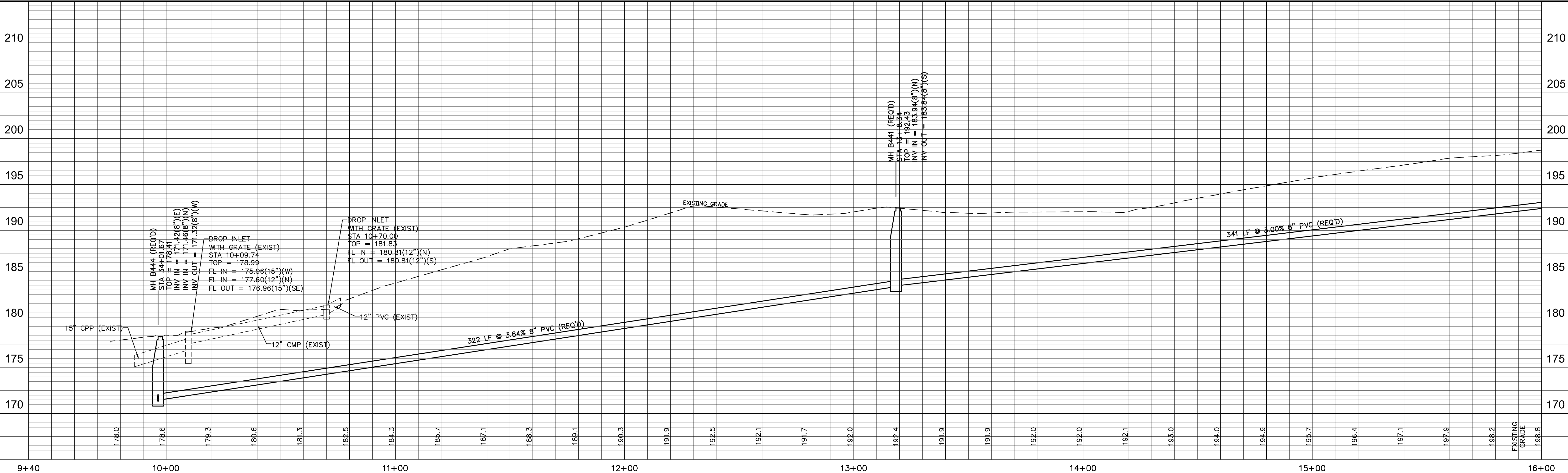
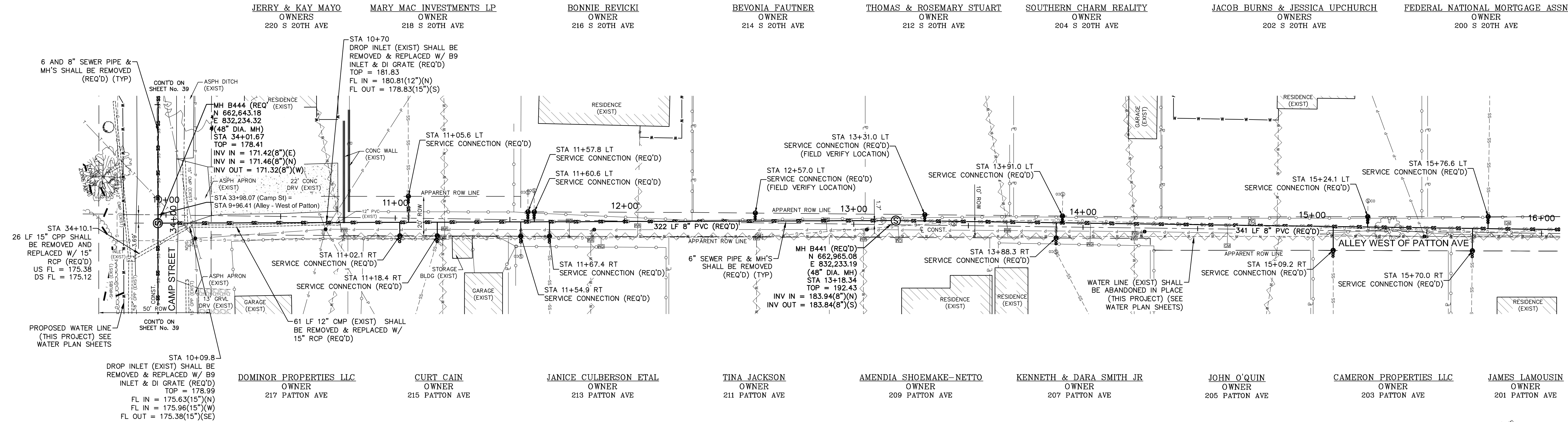
CONTROL MONUMENT -14
GUARDED 604 GALV MAG NAIL
N 662.784.02
E 831.906.35
3.7 FT LT STA. 11+90.67

CONTROL MONUMENT -15
GUARDED 604 GALV MAG NAIL
N 662.956.93
E 831.911.19
3.7 FT LT STA. 13+73.62





CONTROL MONUMENT .31
1/2" REBAR AT PROPERTY CORNER
N 662,621.15
E 831,437.95
26 FT RT STA. 26+05.53



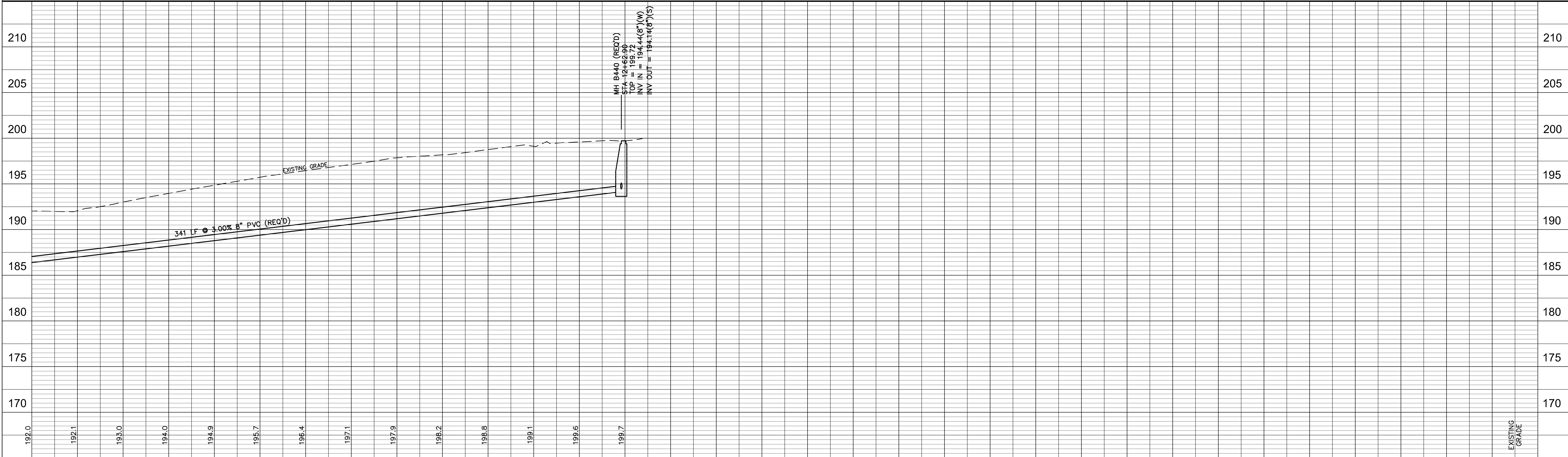
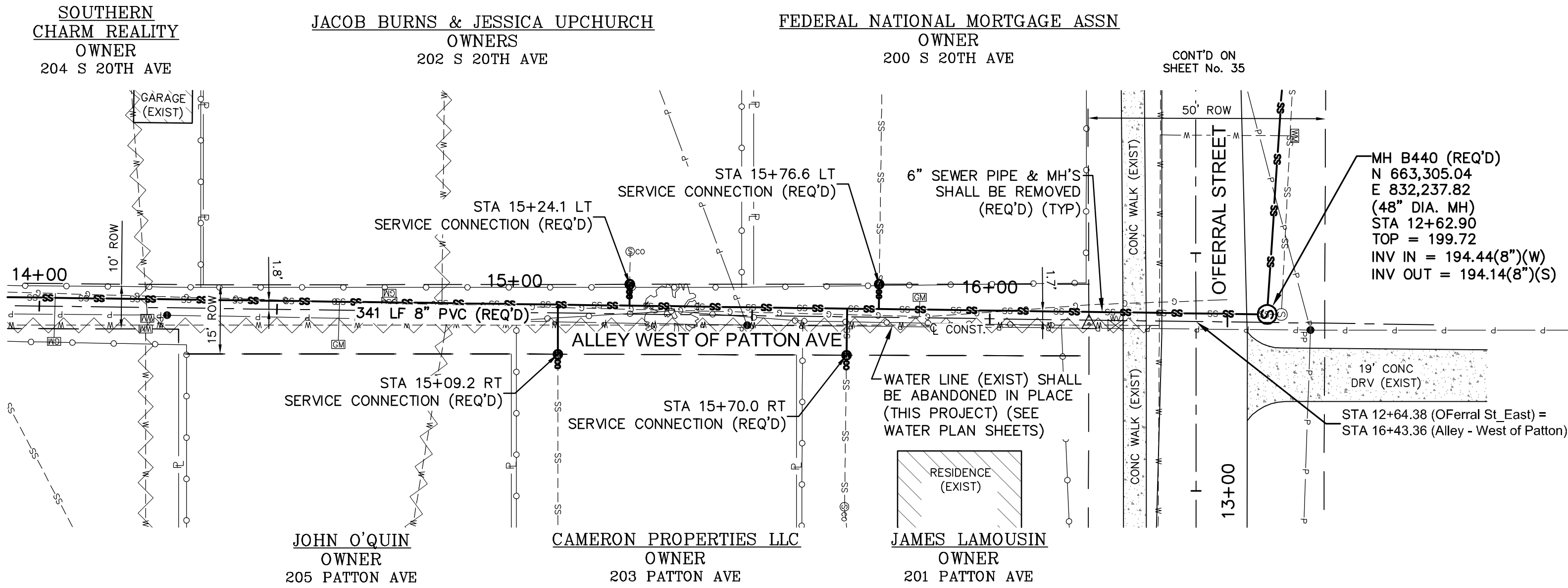
ALLEY WEST OF PATTON AVE STA 9+40 - STA 16+00

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DATE		REVISION		BY		DRAWN BY: RES/LAT		DATE: 12-11-2017		CHECKED BY: JTW		SCALE: 1" = 20' H, 1" = 5' V		SDW Engineering Progress		DRAWING NO. 1273-S010		WORKING No. PnP 24		SHEET NO. 29	
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CONTROL MONUMENT .32
1/2" REBAR AT PROPERTY CORNER
N 663,267.55
E 832,239.83
1 FT RT STA. 16+20.87



ALLEY WEST OF PATTON AVE STA 14+00 - STA 17+00

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

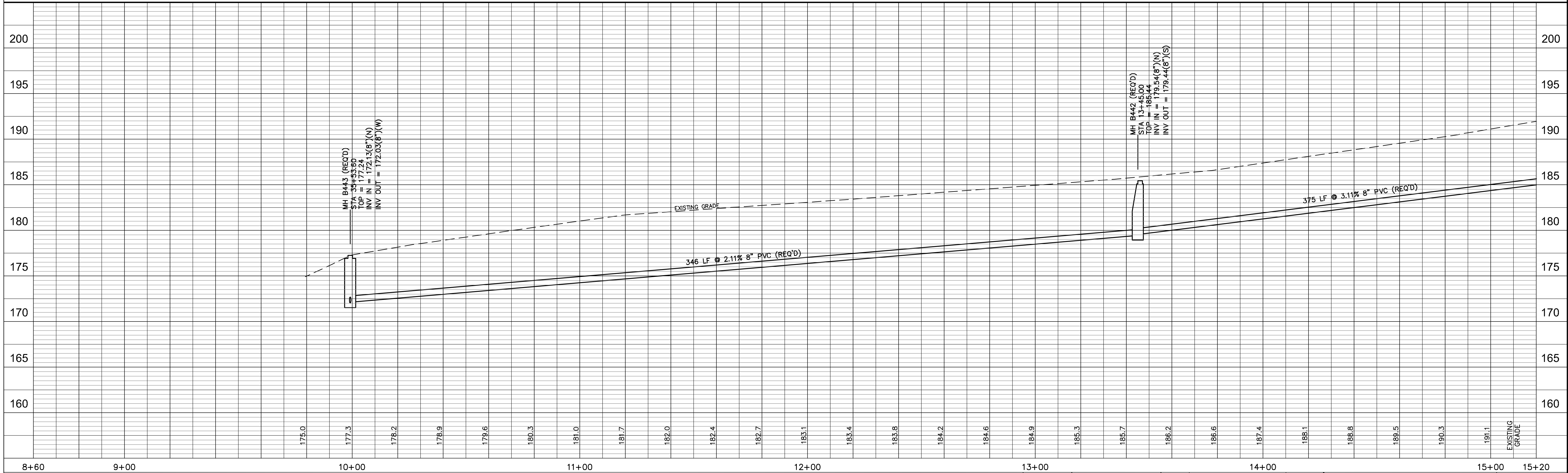
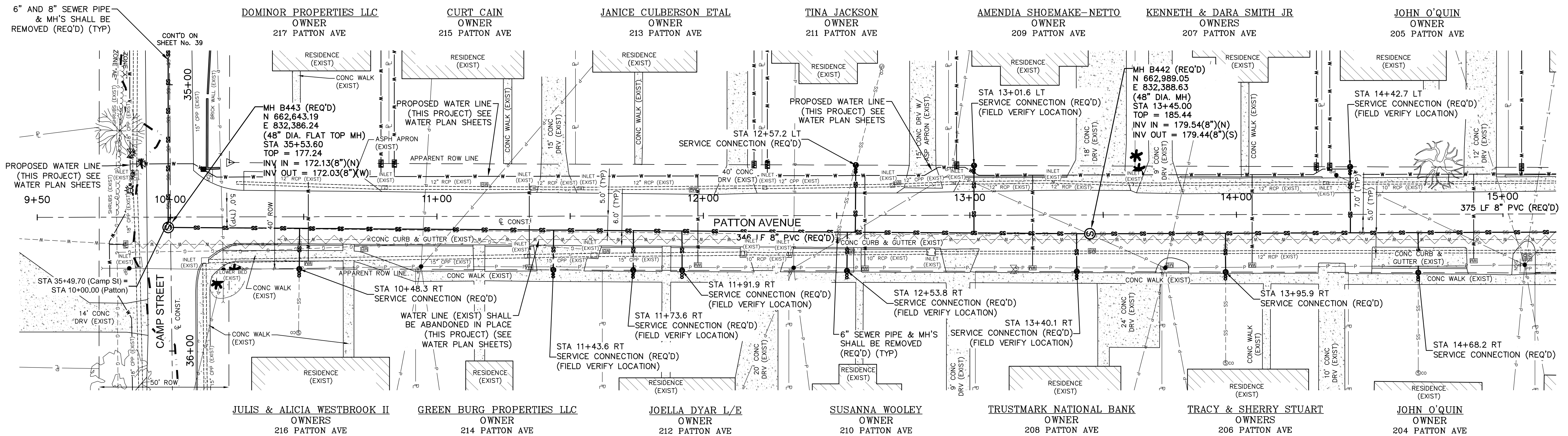
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			DATE: 12-11-2017
			CHECKED BY: JTW
DATE	REVISION	BY	SCALE: 1" = 20' H, 1" = 5' V



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DRAWING NO. 1273-S010
WORKING No. PnP 25
SHEET NO. 30

CONTROL MONUMENT .20
3/4" ROUND IRON PIN AT PROPERTY CORNER
N 662,656.12
E 832,361.87
20.4 FT LT STA 10+22.14

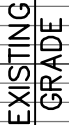


PATTON AVENUE STA 9+80 - STA 15+20

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

			DRAWN BY: RES/LAT	 301 Second Ave. Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com	DRAWING NO. 1273-S010
			DATE: 12-11-2017		
			CHECKED BY: JTW		
DATE	REVISION	BY	SCALE: 1" = 20' H, 1" = 5' V		WORKING No. PnP 26 SHEET No. 31

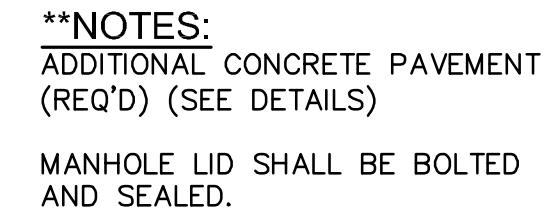
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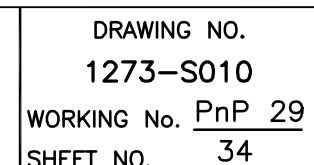
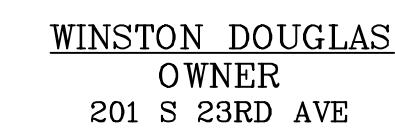
COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

sdw

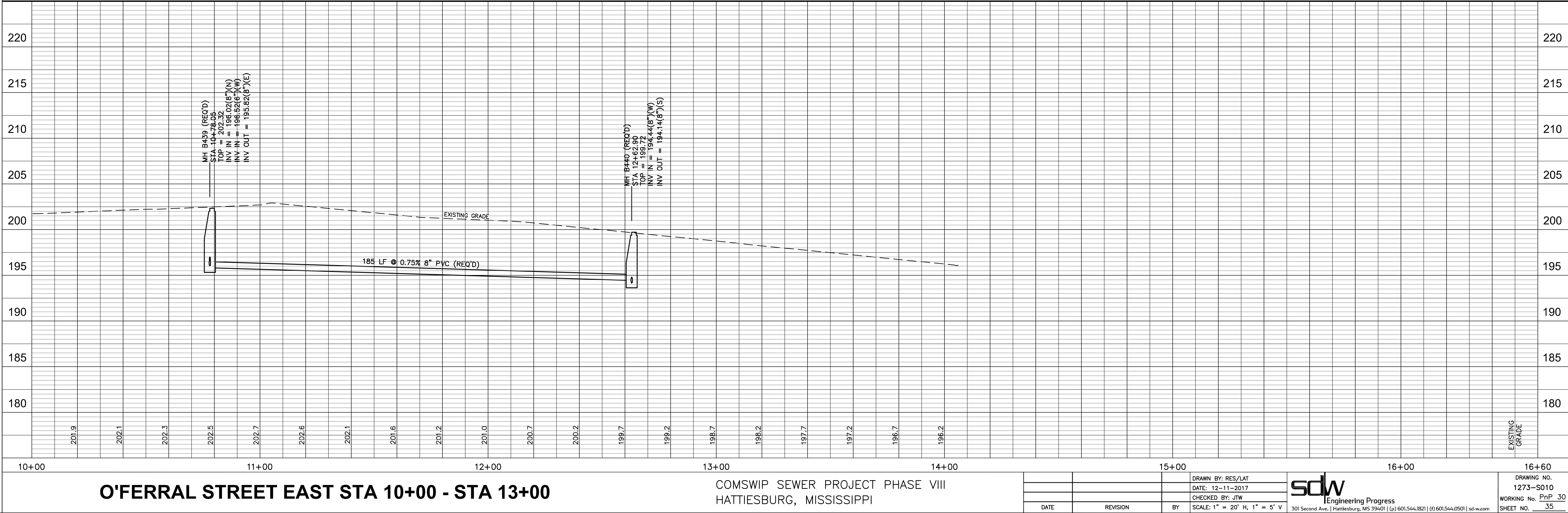
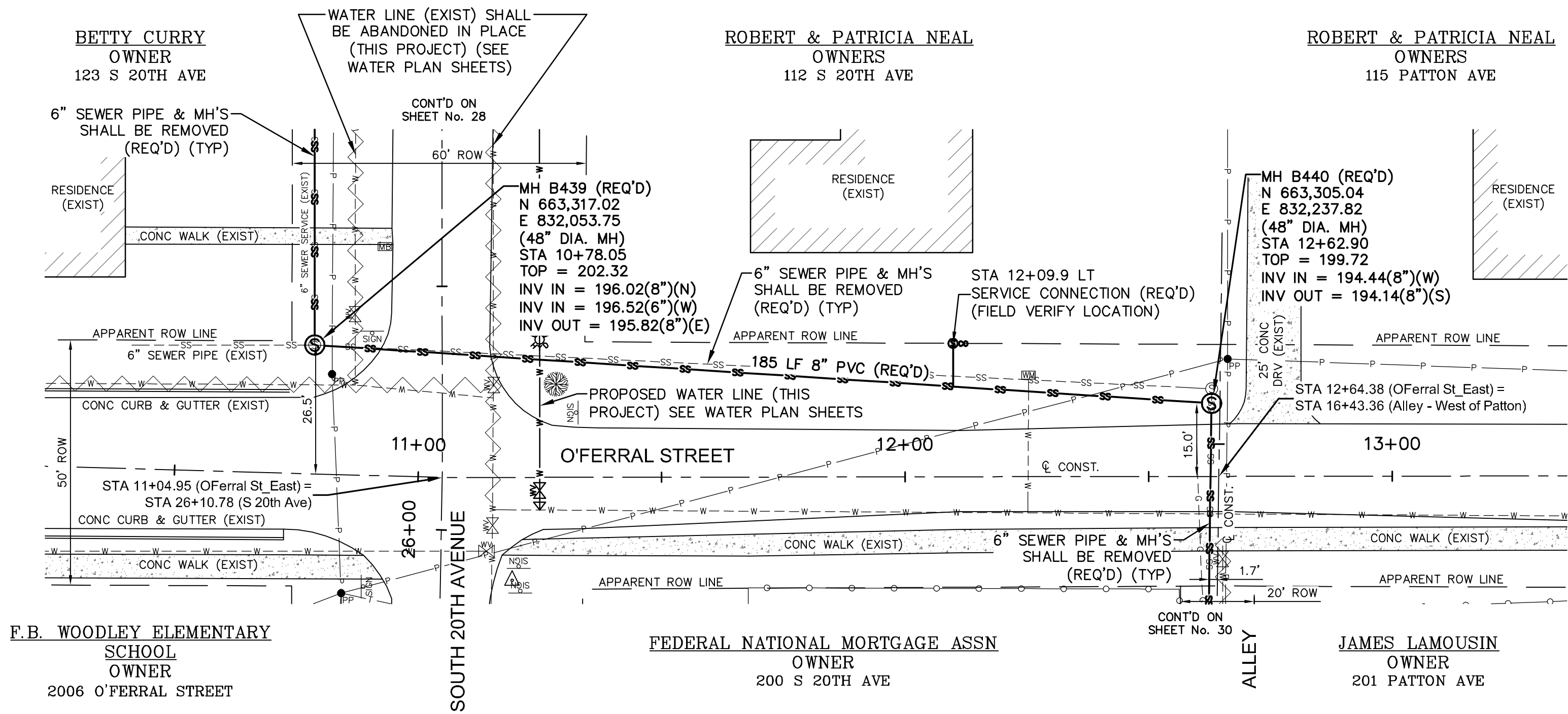
Engineering Progress
301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com



CONTROL MONUMENT 7
1/2" ROUND IRON PIN AT PROPERTY CORNER
N 663,324.10
E 830,489.92
26.7 FT LT STA. 17+04.90



CONTROL MONUMENT 23
1/2" REBAR
N 663,268.70
E 832,094.27
21.1 FT RT STA 11+19.30



O'FERRAL STREET EAST STA 10+00 - STA 13+00

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

			DRAWN BY: RES/LAT
			DATE: 12-11-2017
			CHECKED BY: JTW
DATE	REVISION	BY	SCALE: 1" = 20' H, 1" = 5' V



Engineering Progress

301 Second Ave., | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

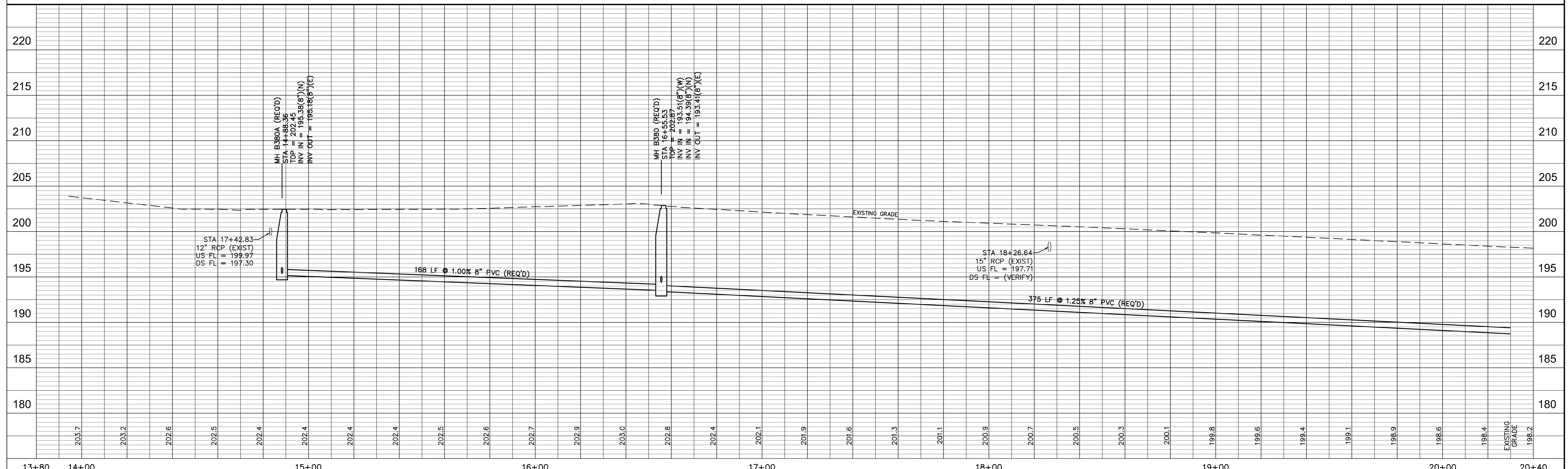
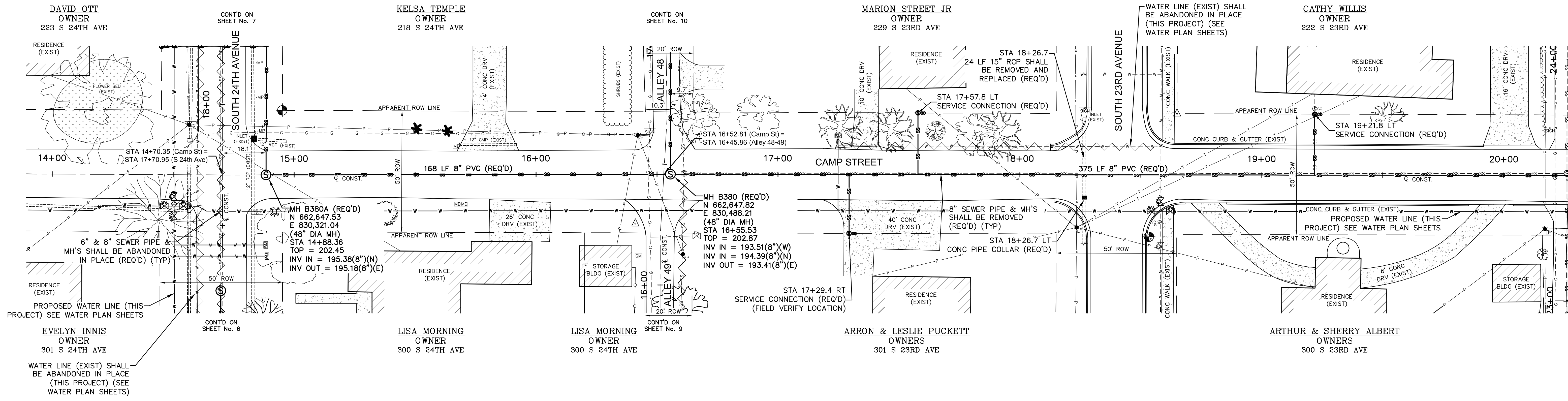
DRAWING NO.
1273-S010
WORKING No. PnP 30
SHEET NO. 35

BENCH MARK ELEVATION 203.09
3/4" ROUND IRON PIN AT PROPERTY CORNER
26.6 FT LT STA. 14+95.15

CONTROL MONUMENT 5
GUARDED 604 GALV MAG NAIL
N 662,627.40
E 830,473.71
20.4 FT RT STA. 16+41.00

CONTROL MONUMENT 24
1/2" ROUND IRON PIN AT PROPERTY CORNER
N 662,672.383
E 830,697.64
25.3 FT LT STA. 18+64.93

BENCH MARK ELEVATION 202.67
TOP OPERATING NUT ON FIRE HYDRANT
25.6 FT RT STA. 18+53.35



CAMP STREET STA 14+50 - STA 20+30

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DRAWN BY: RES/LAT		DATE: 12-11-2017		CHECKED BY: JTW		SCALE: 1" = 20' H, 1" = 5' V	
DATE	REVISION	BY					

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DRAWING NO.
1273-S010
WORKING No. **PnP 31**
SHEET NO. **36**

CONTROL MONUMENT .25
1/2" ROUND IRON PIN AT PROPERTY CORNER
N 662,622.46
E 831,018.14
24.3 FT RT STA. 21+85.55

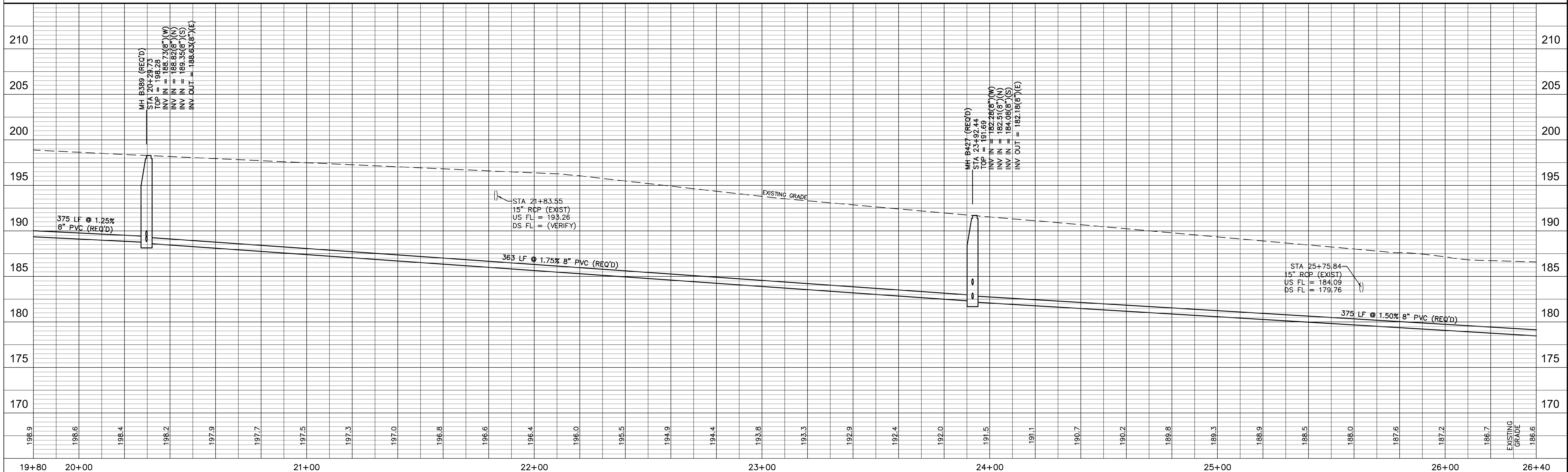
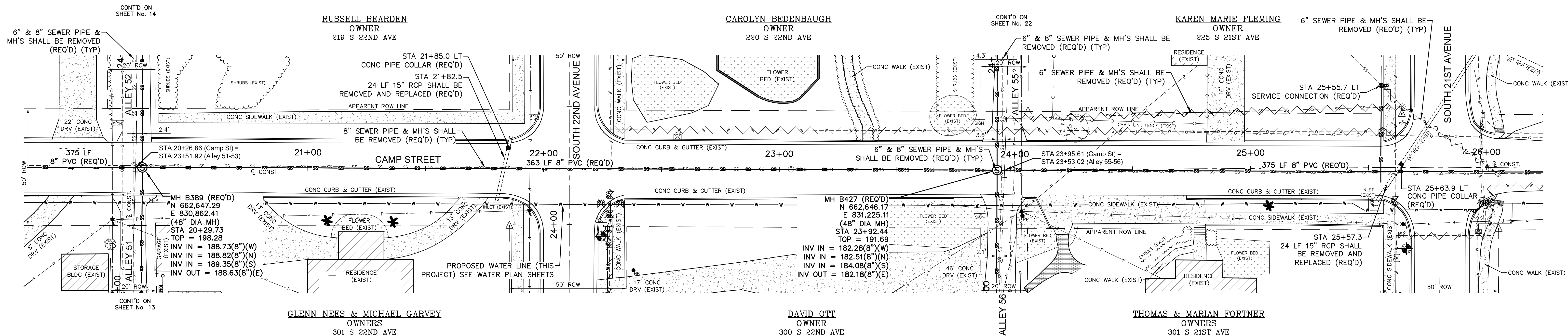
BENCH MARK ELEVATION .199.24
TOP OPERATING NUT ON FIRE HYDRANT
28.5 FT RT STA. 22+24.51

CONTROL MONUMENT .11
1/2" ROUND IRON PIN AT PROPERTY CORNER
N 662,621.04
E 831,238.22
24.8 FT LT STA. 24+05.71

CONTROL MONUMENT .26
1/2" REBAR
N 662,669.99
E 831,396.86
22.7 FT LT STA. 25+64.34

BENCH MARK ELEVATION .190.90
TOP OPERATING NUT ON FIRE HYDRANT
34.4 FT RT STA. 25+65.80

CONTROL MONUMENT .27
1/2" REBAR AT PROPERTY CORNER
N 662,621.15
E 831,437.98
26 FT RT STA. 26+05.53



CAMP STREET STA 20+30 - STA 26+40

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DRAWN BY: RES/LAT		DATE: 12-11-2017		CHECKED BY: JTW		SCALE: 1" = 20' H, 1" = 5' V	
DATE	REVISION	BY					

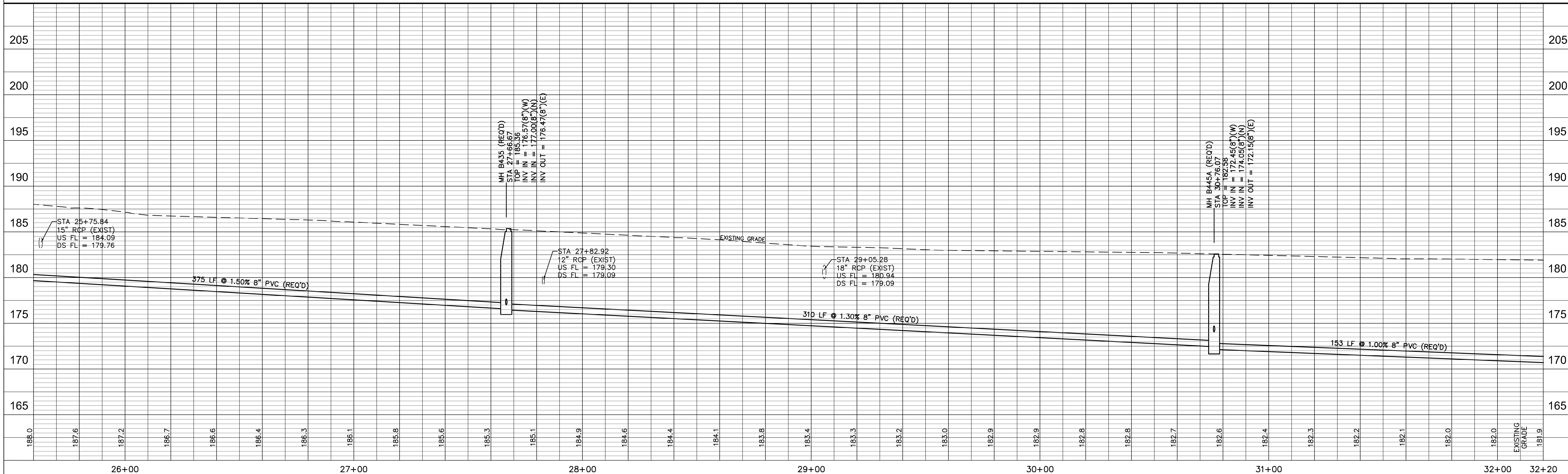
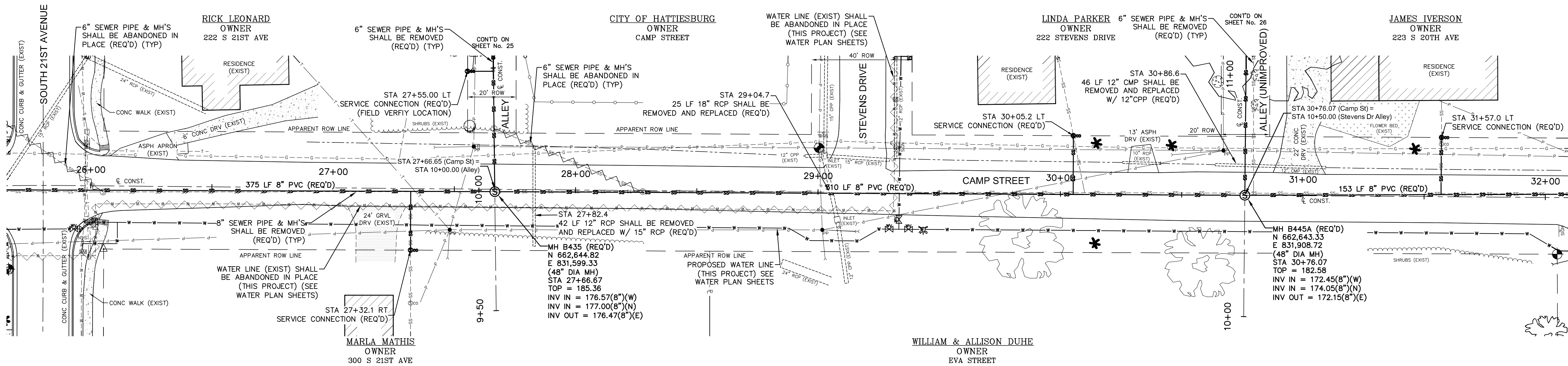
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DRAWING NO.
1273-S010
WORKING NO. PnP 32
SHEET NO. 37

CONTROL MONUMENT .27
1/2" REBAR AT PROPERTY CORNER
N 662,821.18
E 831,437.98
26 FT RT STA 26+05.53

BENCHMARK ELEVATION 183.83
FOUND COTTON SPINDLE ON POWER POLE
18.2 FT LT STA 29+00.23

BENCHMARK ELEVATION 181.55
1/2" ROUND IRON PIN AT PROPERTY CORNER
23.3 FT RT STA 32+05.07



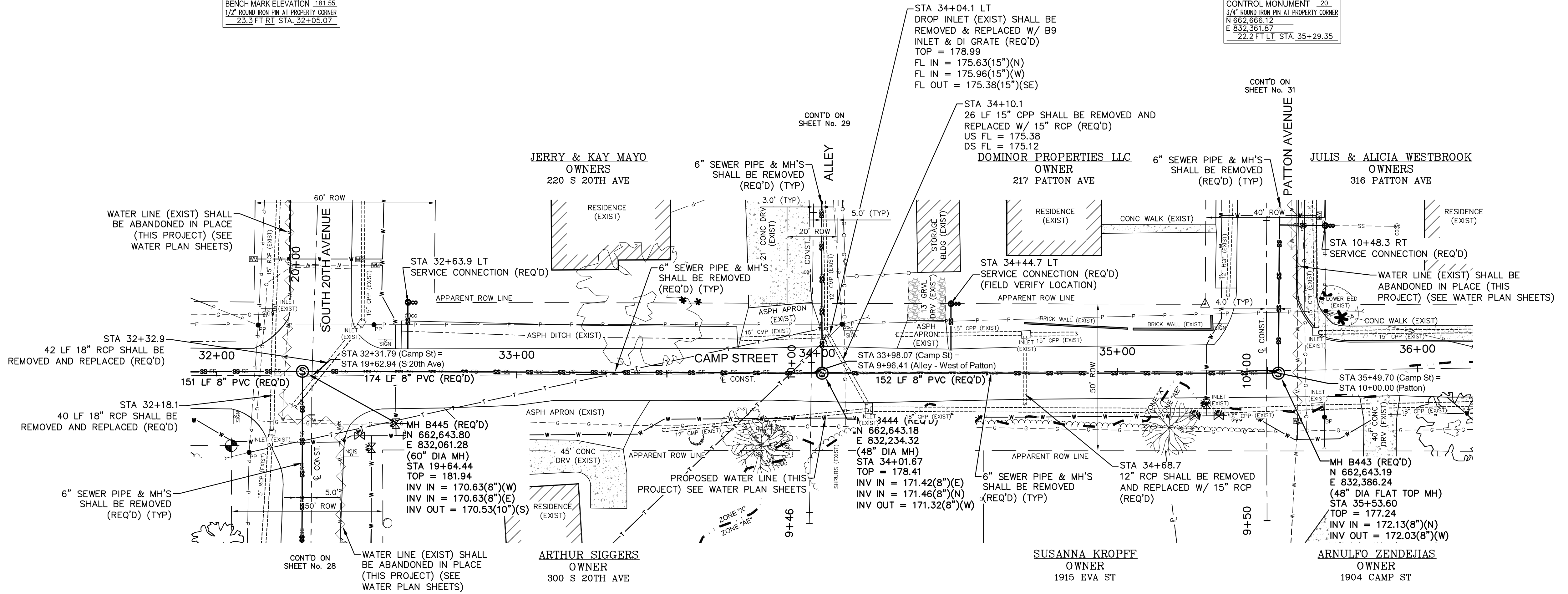
CAMP STREET STA 26+40 - STA 32+20

COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY	DRAWN BY: RES/LAT DATE: 12-11-2017 CHECKED BY: JW SCALE: 1" = 20' H, 1" = 5' V	sdw Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com	DRAWING NO. 1273-S010 WORKING No. PnP 33 SHEET NO. 38
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BENCHMARK ELEVATION -181.55
1/2" ROUND IRON PIN AT PROPERTY CORNER
23.3 FT RT STA_32+05.07

CONTROL MONUMENT -20
3/4" ROUND IRON PIN AT PROPERTY CORNER
N 662,656.12
E 832,361.87
22.2 FT LT STA_35+29.35



CAMP STREET STA 32+20 - STA 36+00

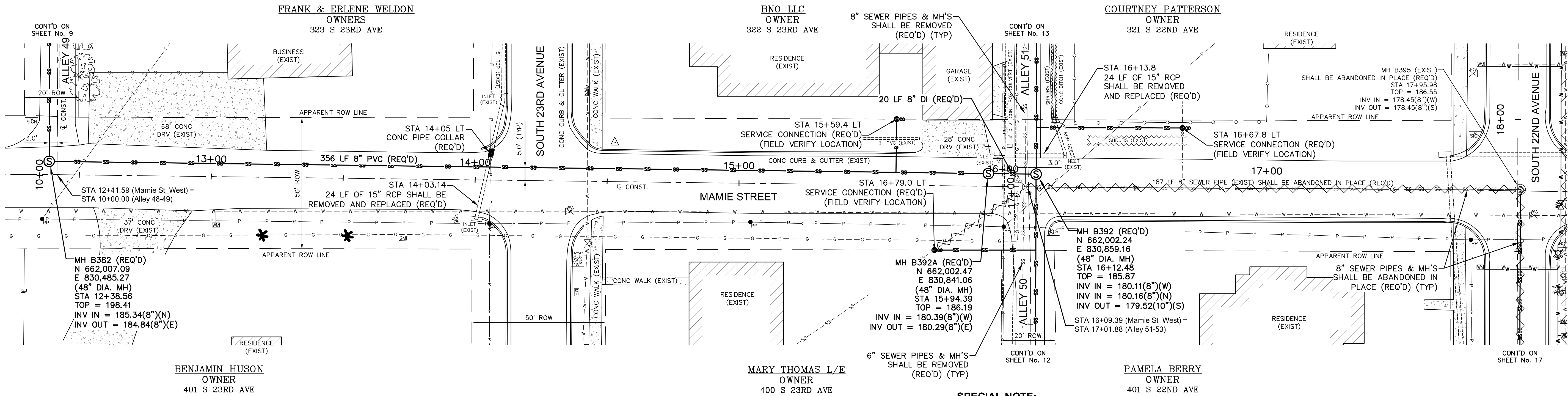
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HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY

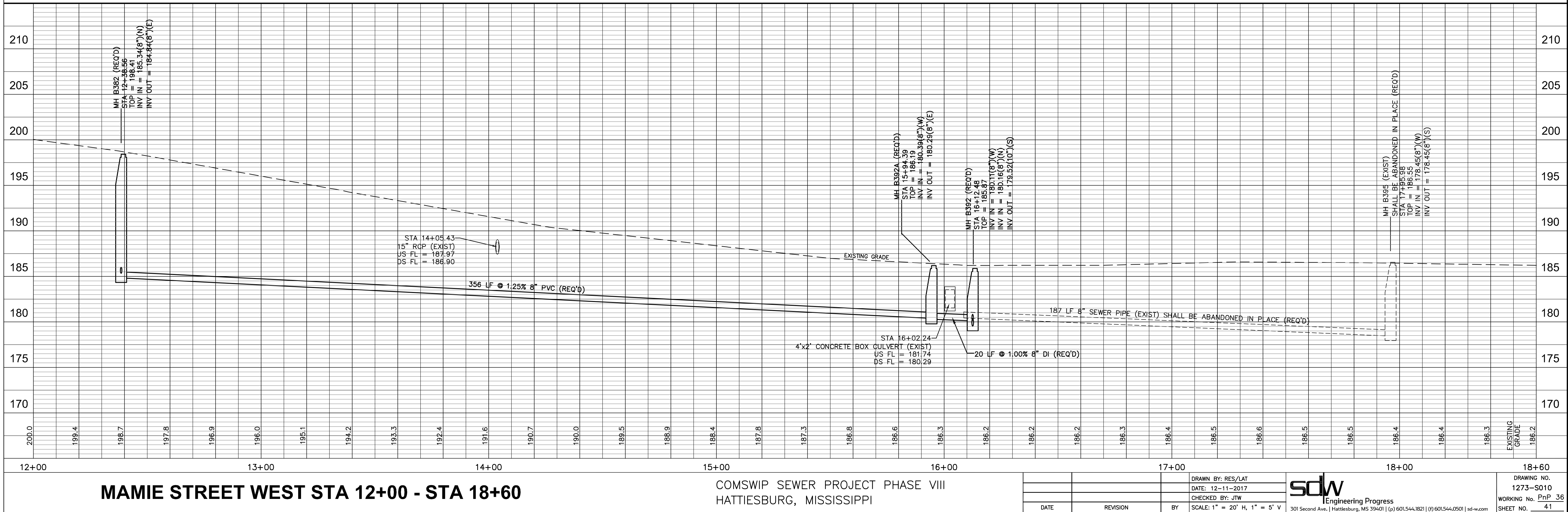
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SDW Engineering Progress	301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com

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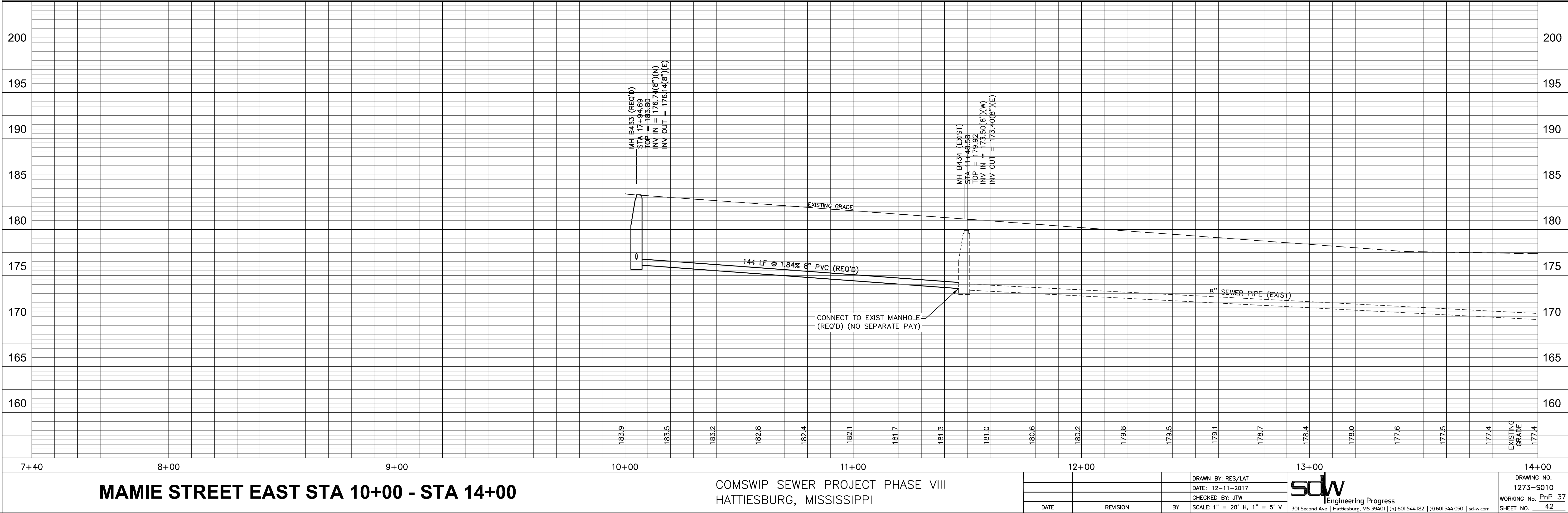
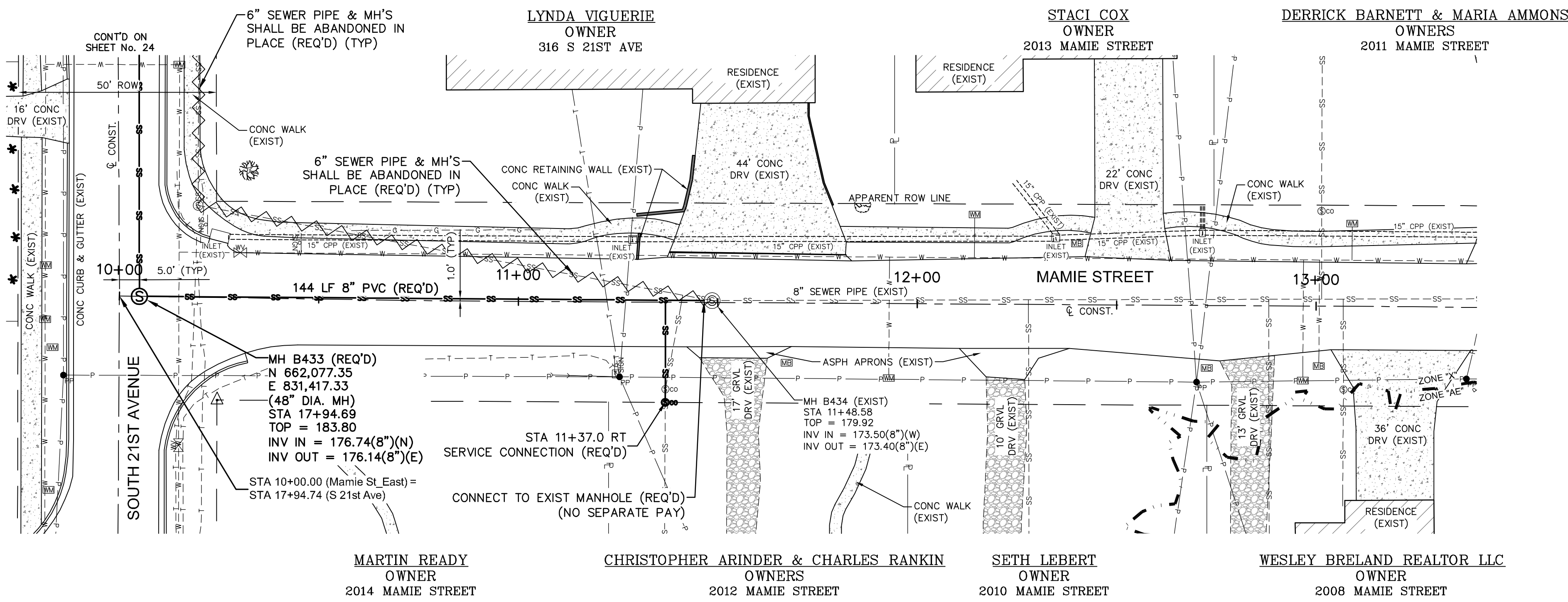
CONTROL MONUMENT - 13
GUARDED 60d GALV MAG NAIL
N 662.014.25
E 830.699.53
14.9 FT LT STA. 14+52.71



SPECIAL NOTE:
THE CONTRACTOR SHALL VERIFY THE FLOW LINE OF THE EXISTING CONCRETE BOX CULVERT PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER IF FIELD CONDITIONS ARE FOUND TO VARY THE DATA SHOWN HEREON.



CONTROL MONUMENT .28
1/2" ROUND IRON PIN AT PROPERTY CORNER
N 662.051.36
E 831.436.77
25.7 FT RT STA. 10+24.83

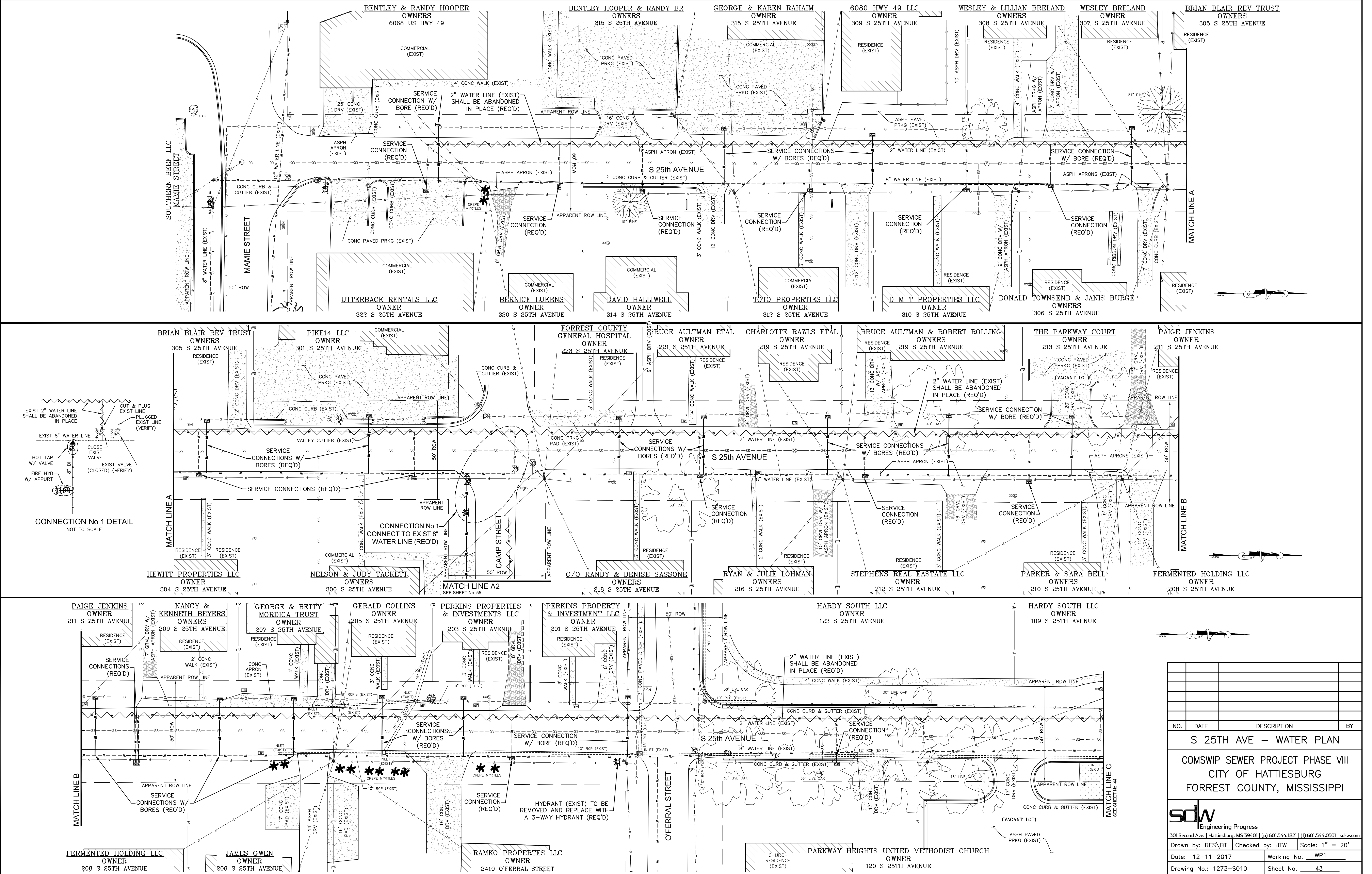


MAMIE STREET EAST STA 10+00 - STA 14+00

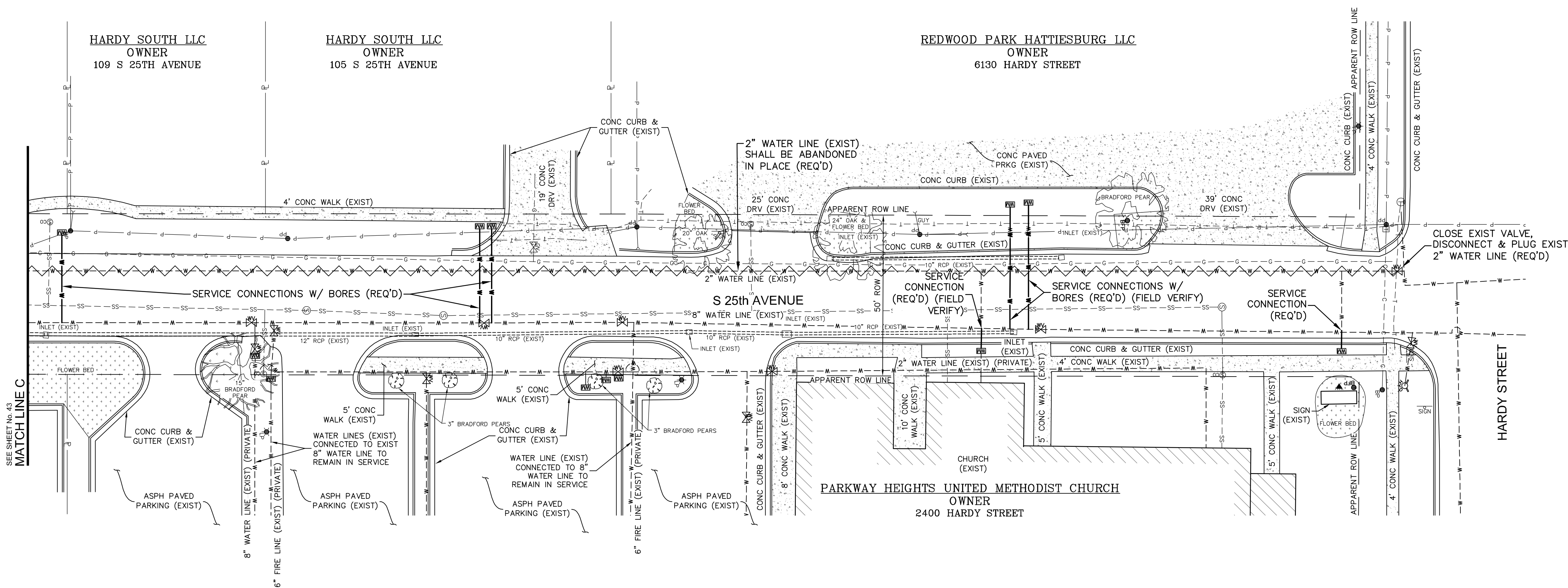
COMSWIP SEWER PROJECT PHASE VIII
HATTIESBURG, MISSISSIPPI

DATE		REVISION	BY	DRAWN BY: RES/LAT DATE: 12-11-2017 CHECKED BY: JTW SCALE: 1" = 20' H, 1" = 5' V	 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com	DRAWING NO. 1273-S010 WORKING No. PnP 37 SHEET NO. 42

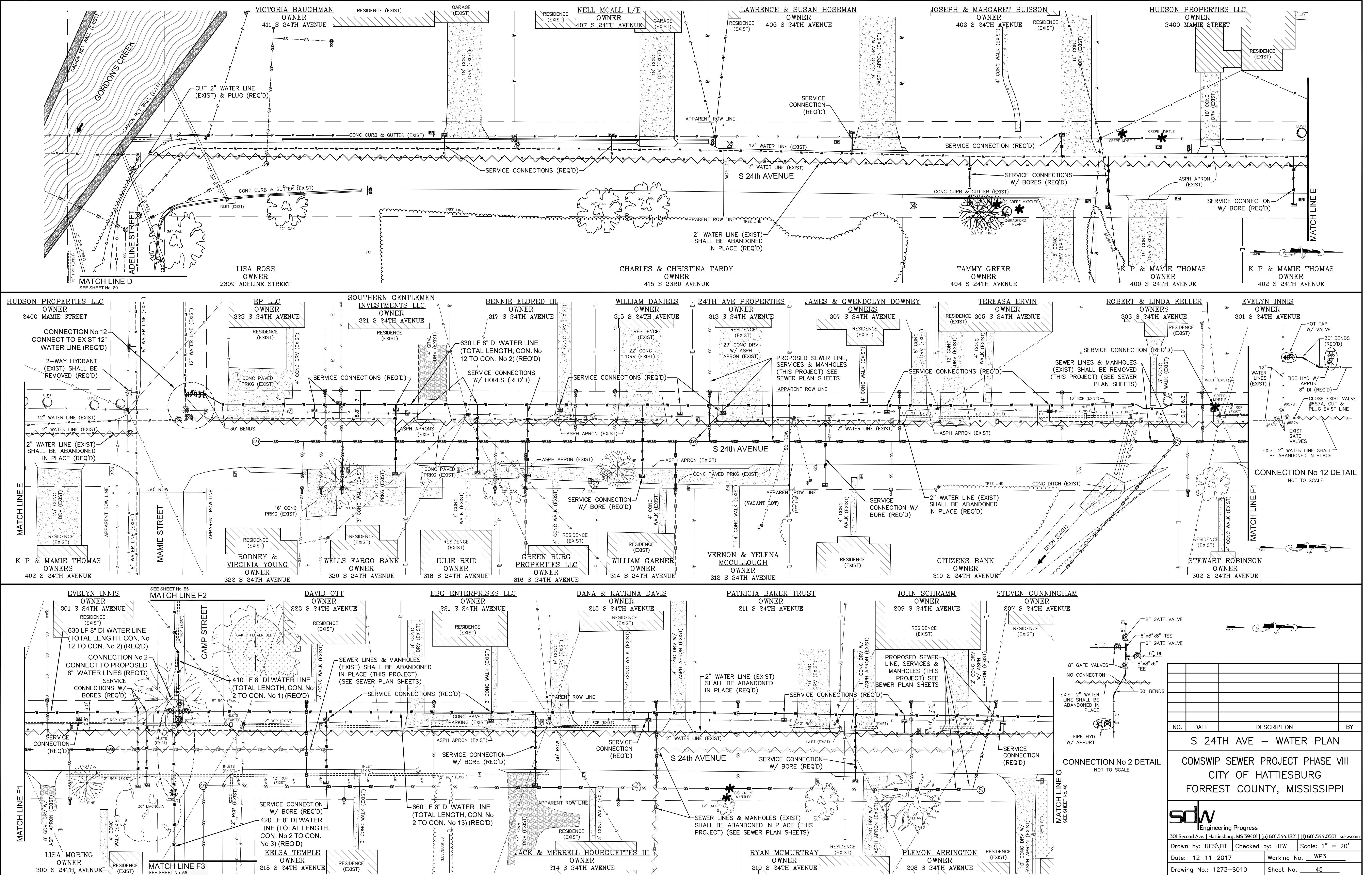
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NO.	DATE	DESCRIPTION	BY
S 25TH AVE – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com			
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Date: 12-11-2017		Working No. WP1	
Drawing No.: 1273-S010		Sheet No. 43	



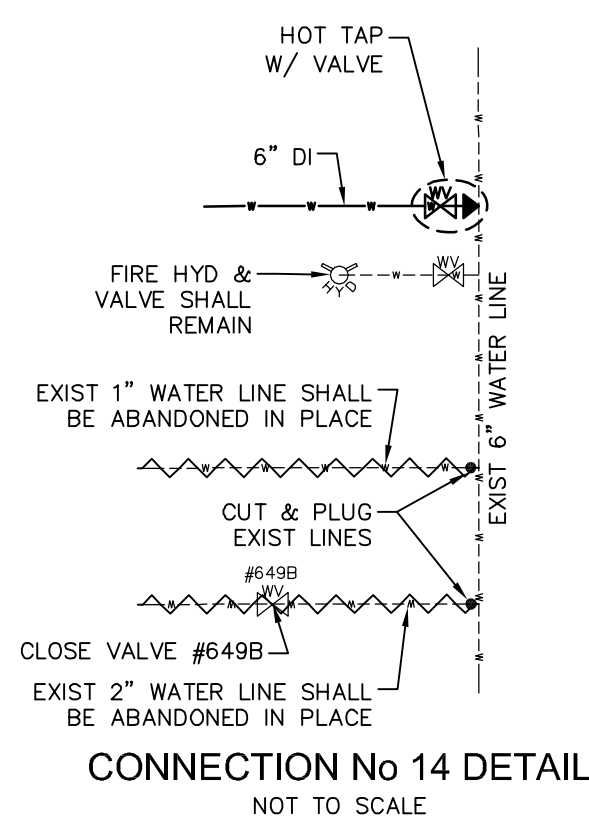
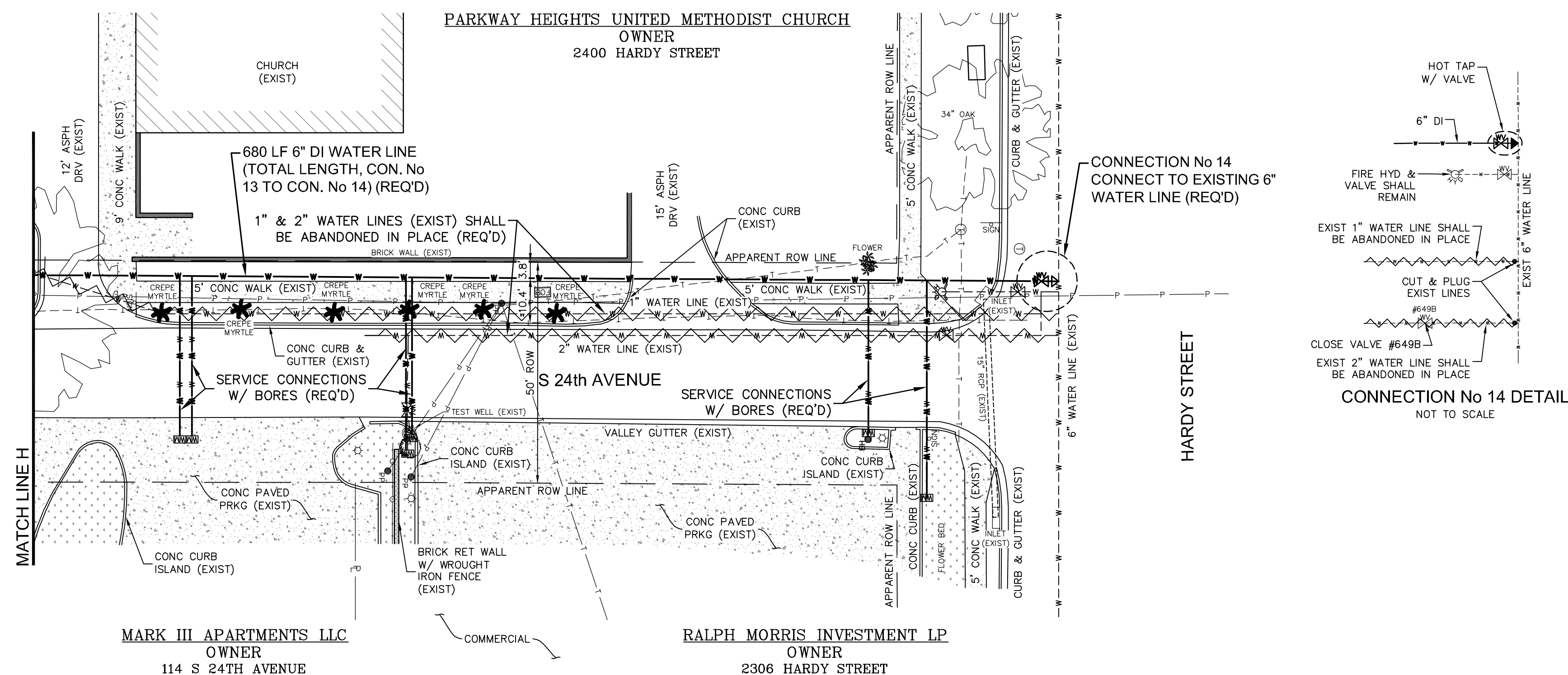
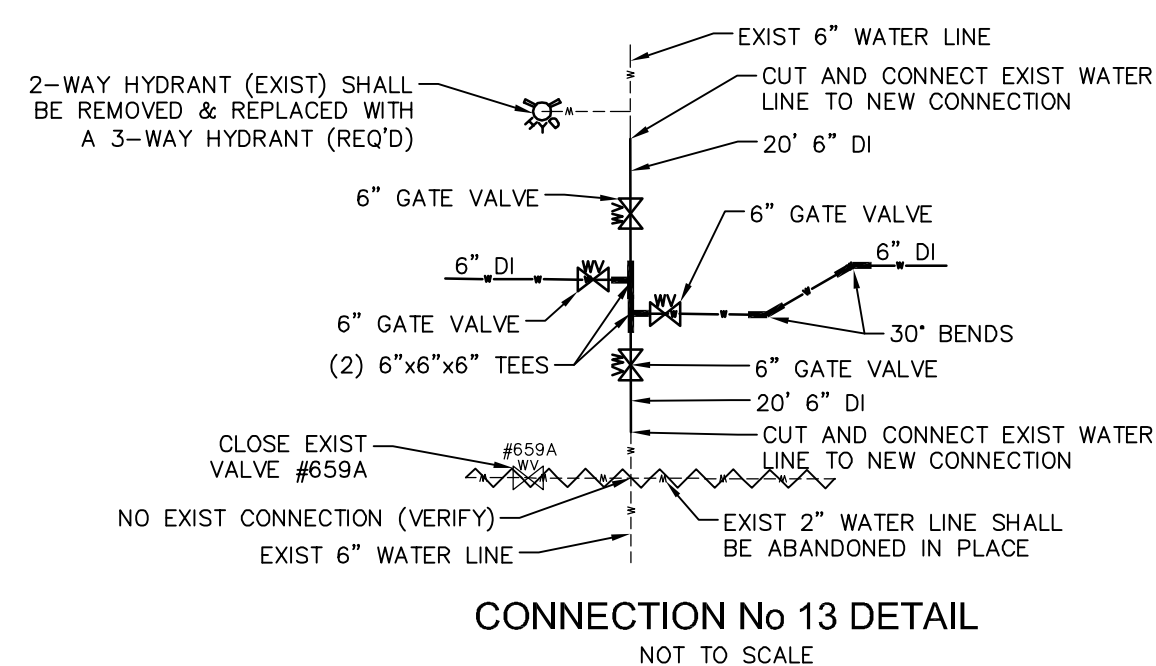
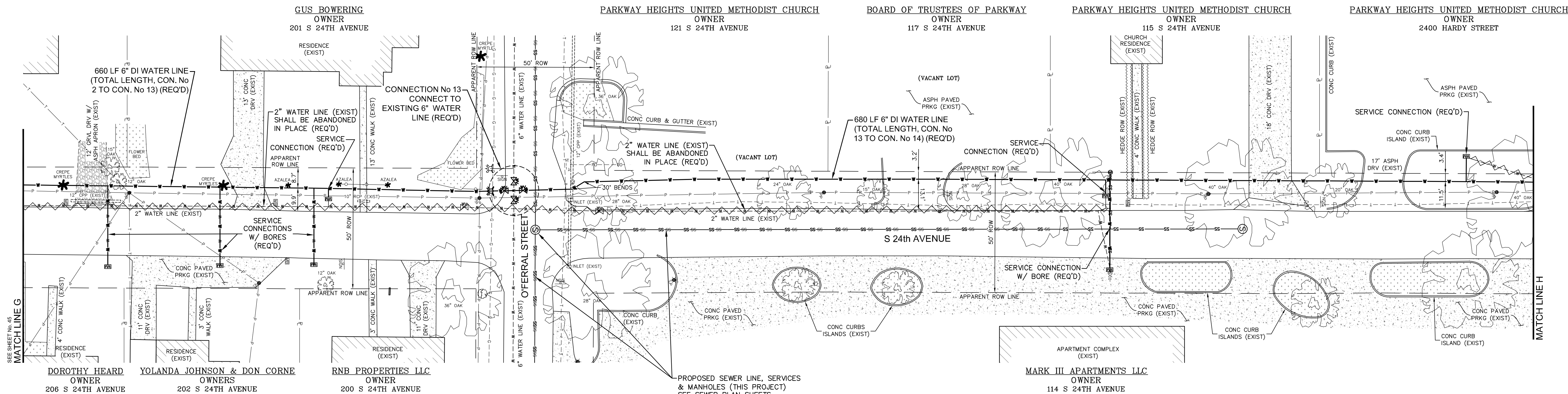
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S 25TH AVE – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave. Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
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NO.	DATE	DESCRIPTION	BY
S 24TH AVE – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com			
Drawn by: RES/BT		Checked by: JTW	Scale: 1" = 20'
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Drawing No.: 1273-S010		Sheet No. 45	

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NO.	DATE	DESCRIPTION	BY
S 24TH AVE – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave. Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: RES\BT		Checked by: JTW	Scale: 1" = 20'
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Drawing No.: 1273-S010		Sheet No. 46	

MARY GAIL WILDMAN
OWNER
421 S 22TH AVENUE

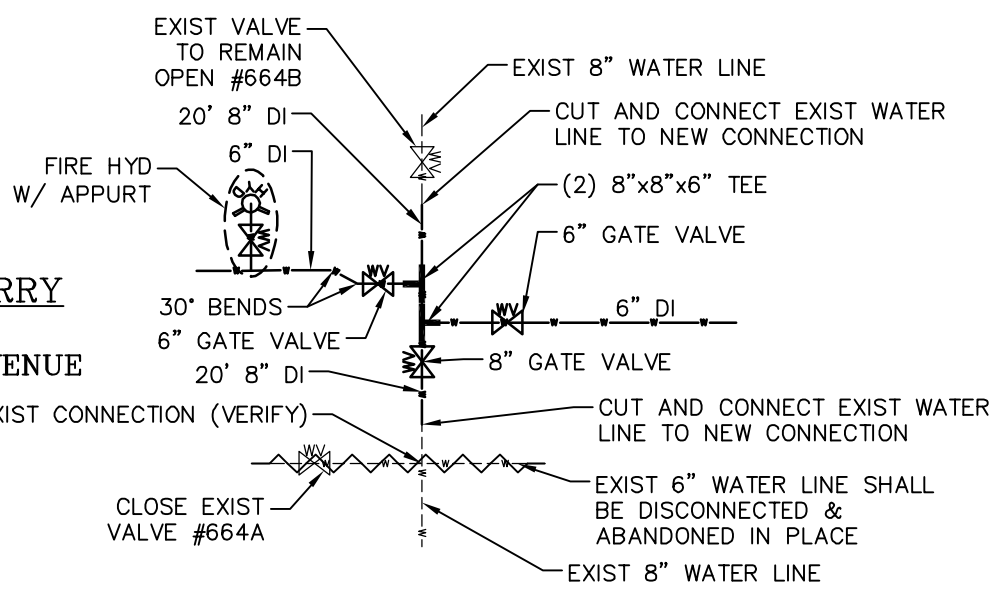
JOHN PALENSKY & JEANNE GILLESPIE
OWNERS
419 S 22TH AVENUE

MICHAEL & GINGER RAY
OWNERS
415 S 22TH AVENUE

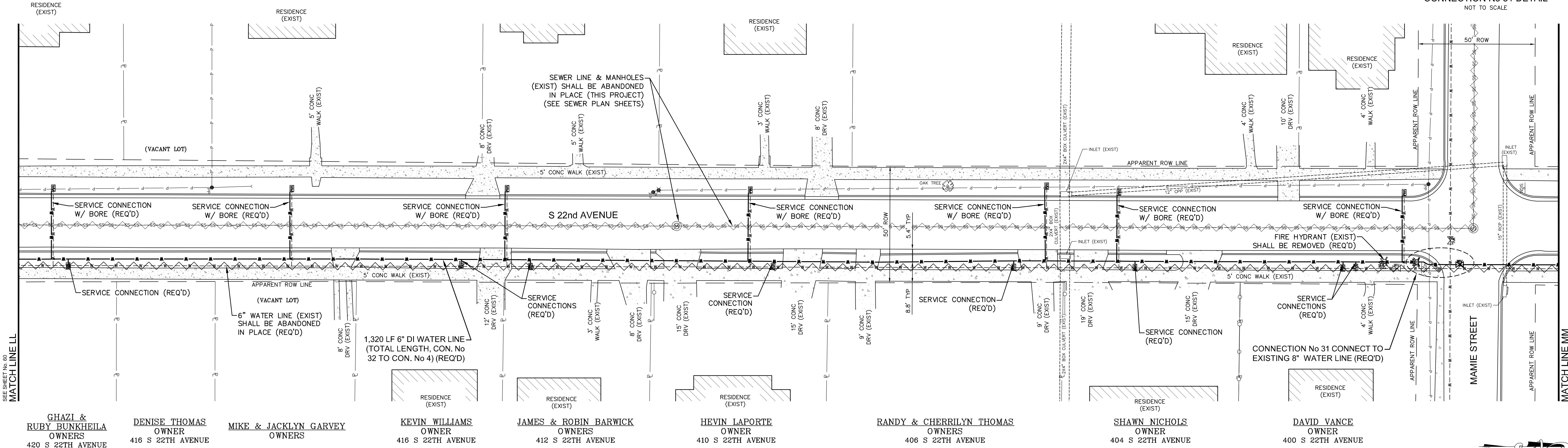
PERRY LENNON
OWNER
411 S 22TH AVENUE

BNO LLC
OWNER
310 S 22TH AVENUE

PAMELA BERRY
OWNER
401 S 22TH AVENUE



CONNECTION No 31 DETAIL
NOT TO SCALE



GHASI &
RUBY BUNKHEILA
OWNERS
420 S 22TH AVENUE

DENISE THOMAS
OWNER
416 S 22TH AVENUE

MIKE & JACKLYN GARVEY
OWNERS

KEVIN WILLIAMS
OWNER
416 S 22TH AVENUE

JAMES & ROBIN BARWICK
OWNERS
412 S 22TH AVENUE

HEVIN LAPORTE
OWNER
410 S 22TH AVENUE

RANDY & CHERRILYN THOMAS
OWNERS
406 S 22TH AVENUE

SHAWN NICHOLS
OWNER
404 S 22TH AVENUE

DAVID VANCE
OWNER
400 S 22TH AVENUE

COURTNEY PATTERSON
OWNER
321 S 22TH AVENUE

DAVID OTT
OWNER
319 S 22TH AVENUE

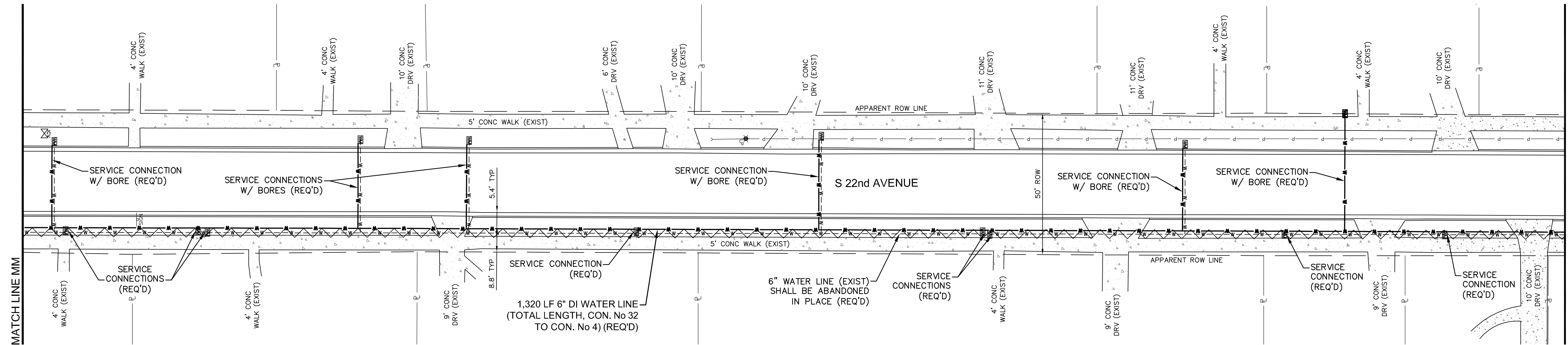
MARCUS & APRIL NAUSE
OWNERS
317 S 22TH AVENUE

DUWAYNE & JANE EZELLE
OWNERS
313 S 22TH AVENUE

ROBERT & DEIDRA GAMMIL
OWNERS
307 S 22TH AVENUE

ROBERT MALONEY
OWNER
305 S 22TH AVENUE

GLENN NEES & MICHAEL GARVEY
OWNERS
301 S 22TH AVENUE



LALA NOBLE
OWNER
322 S 22TH AVENUE

DAVID OTT
OWNER
320 S 22TH AVENUE

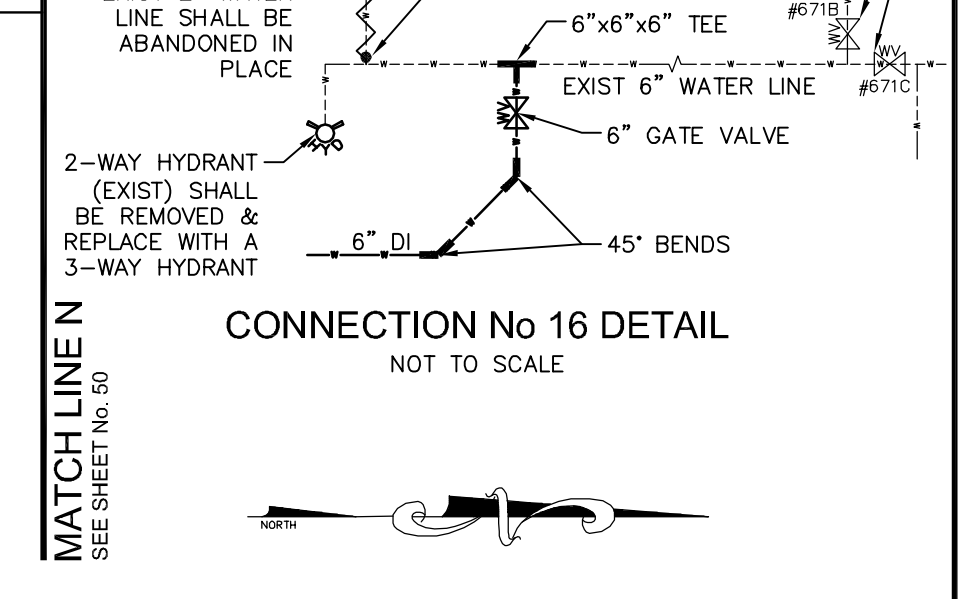
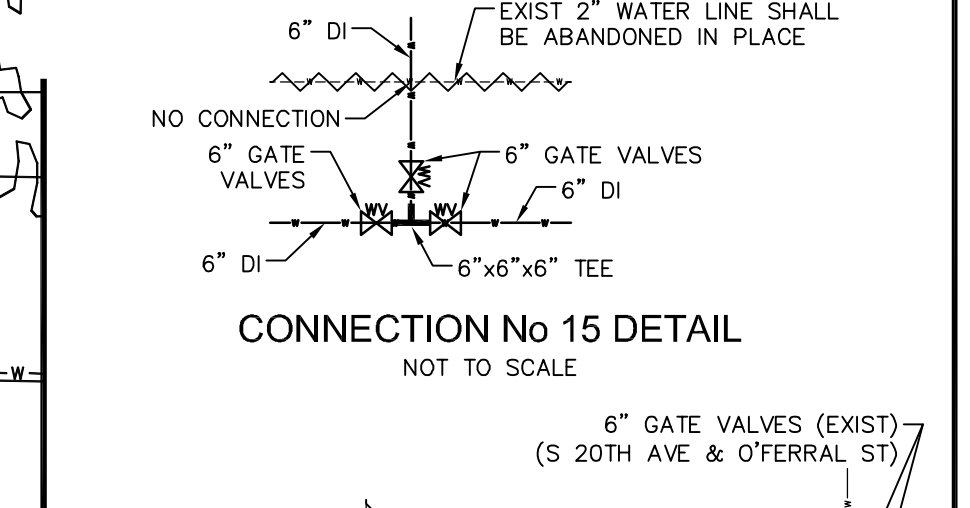
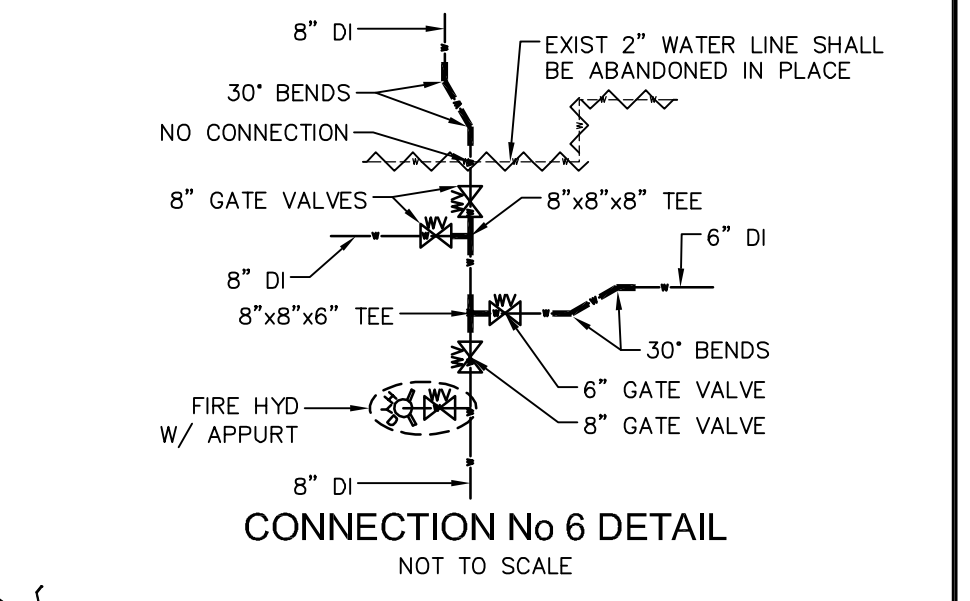
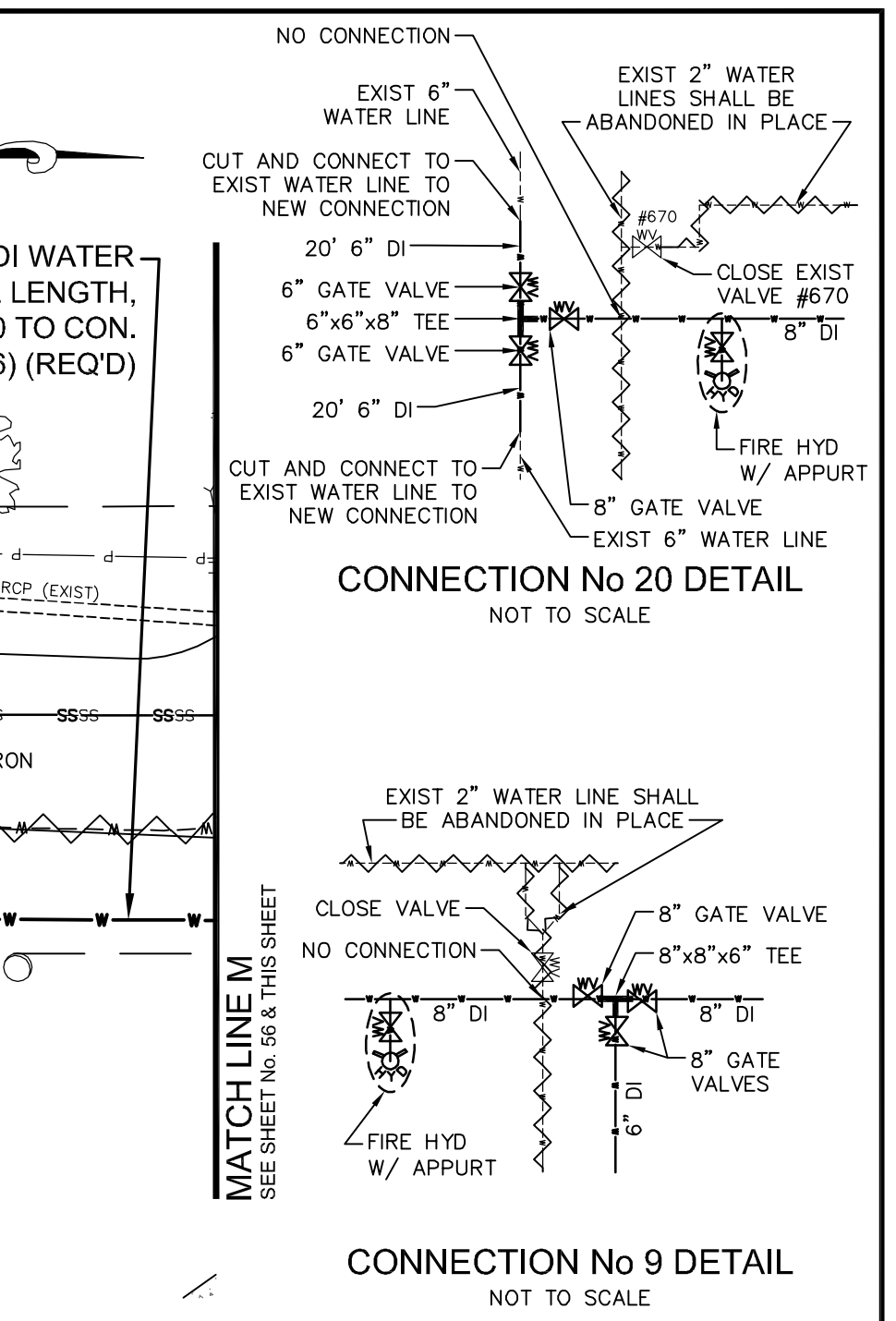
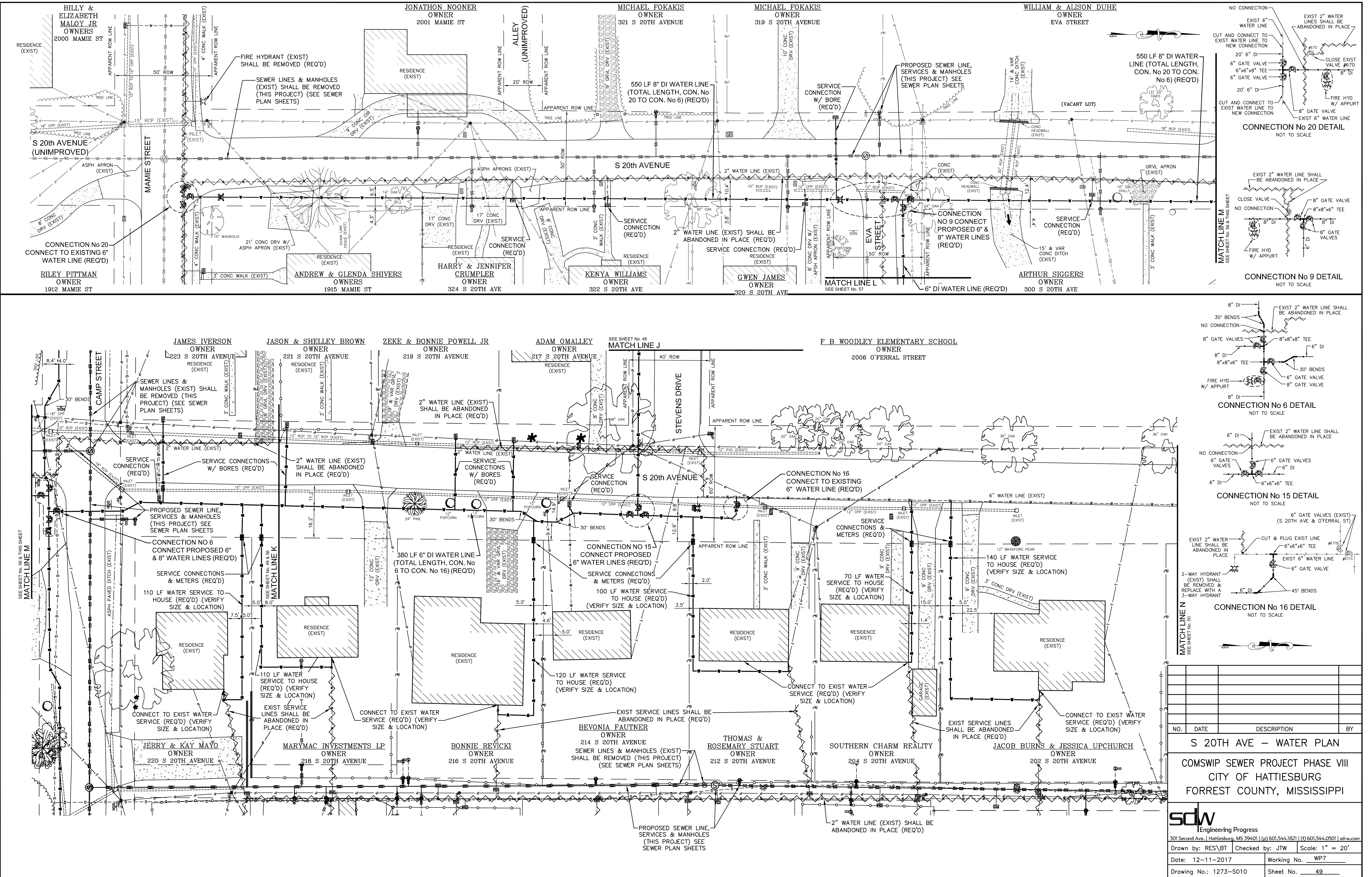
MICHAEL & JESSICA LOGAN
OWNERS
314 S 22TH AVENUE

DAVID OTT
OWNER
310 S 22TH AVENUE

BNO LLC
OWNER
304 S 22TH AVENUE

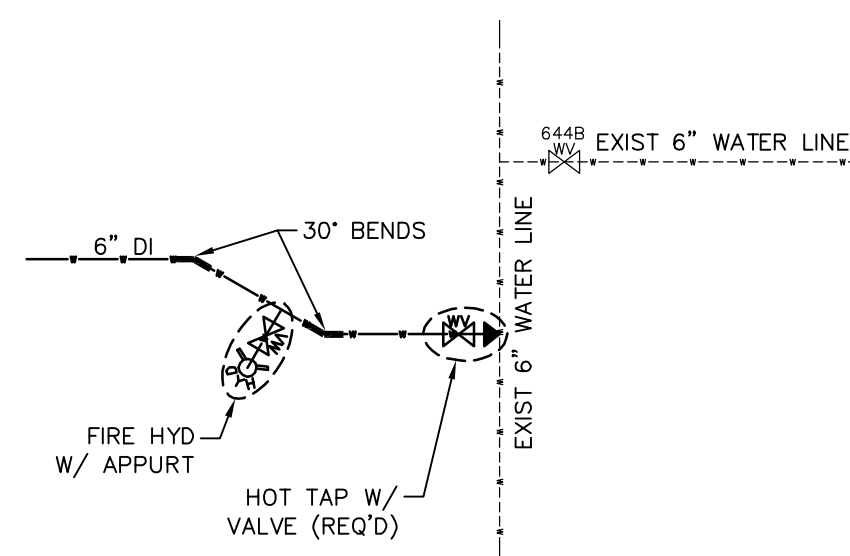
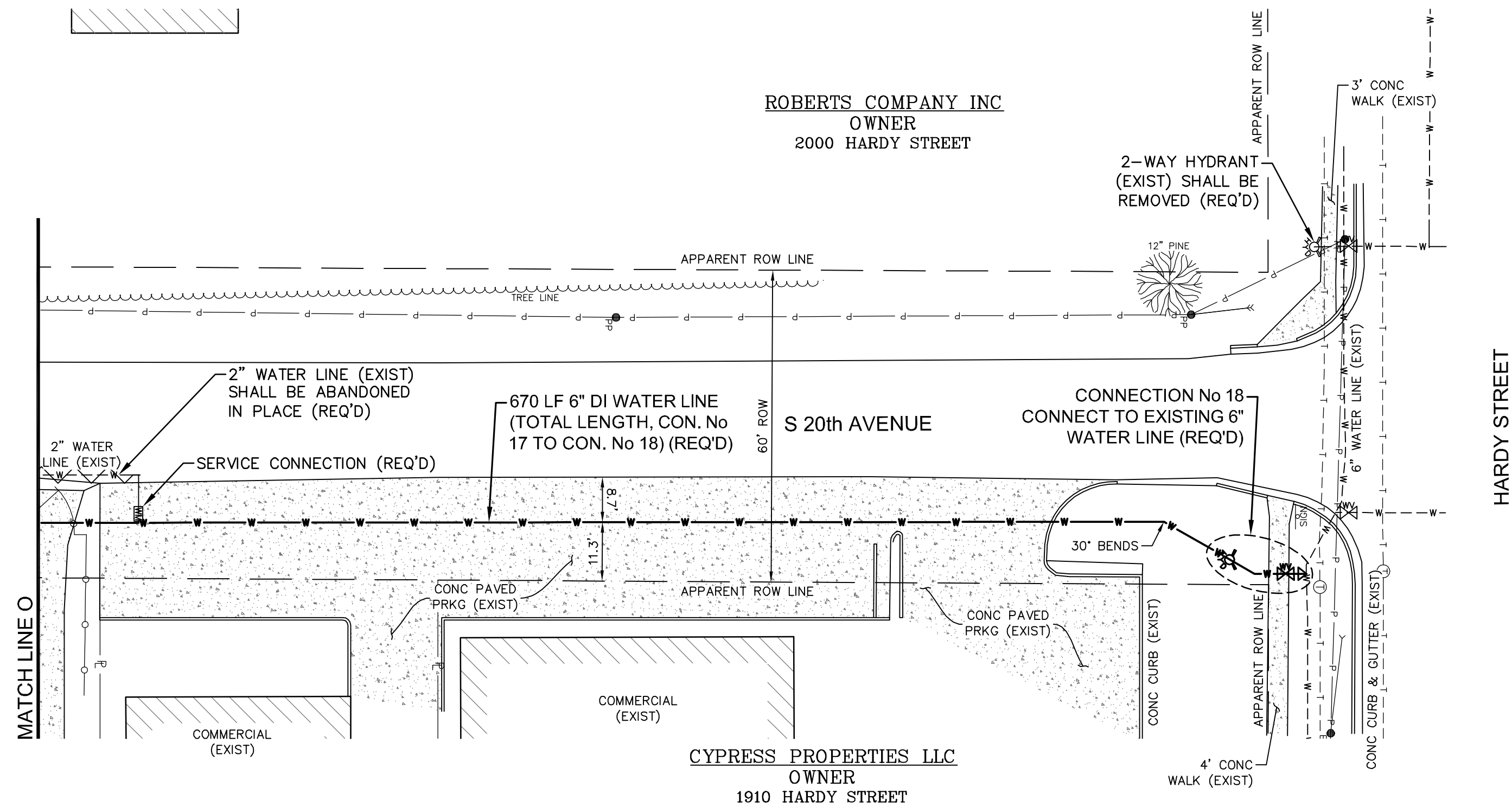
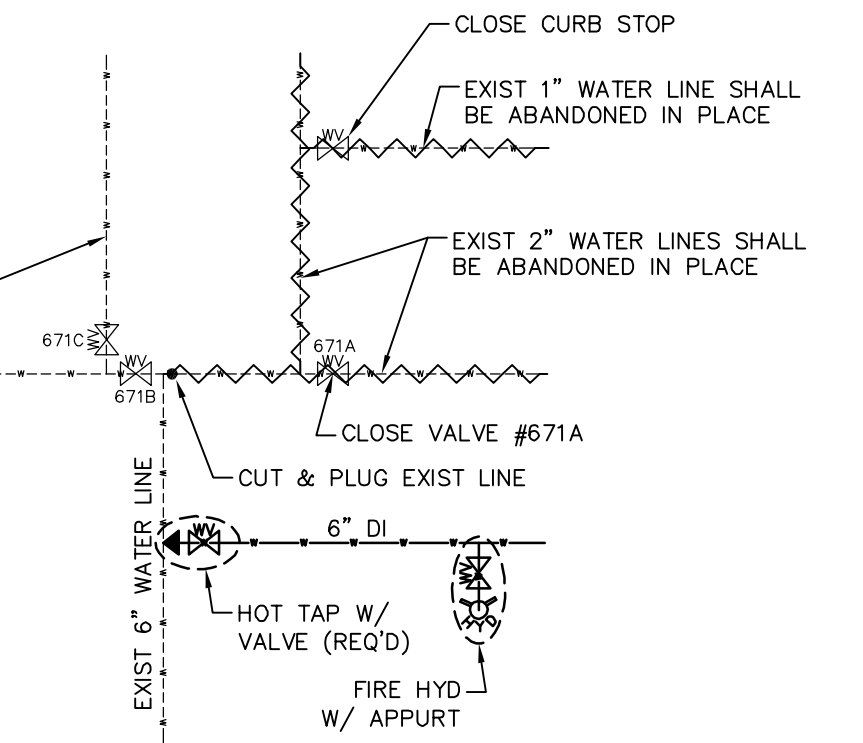
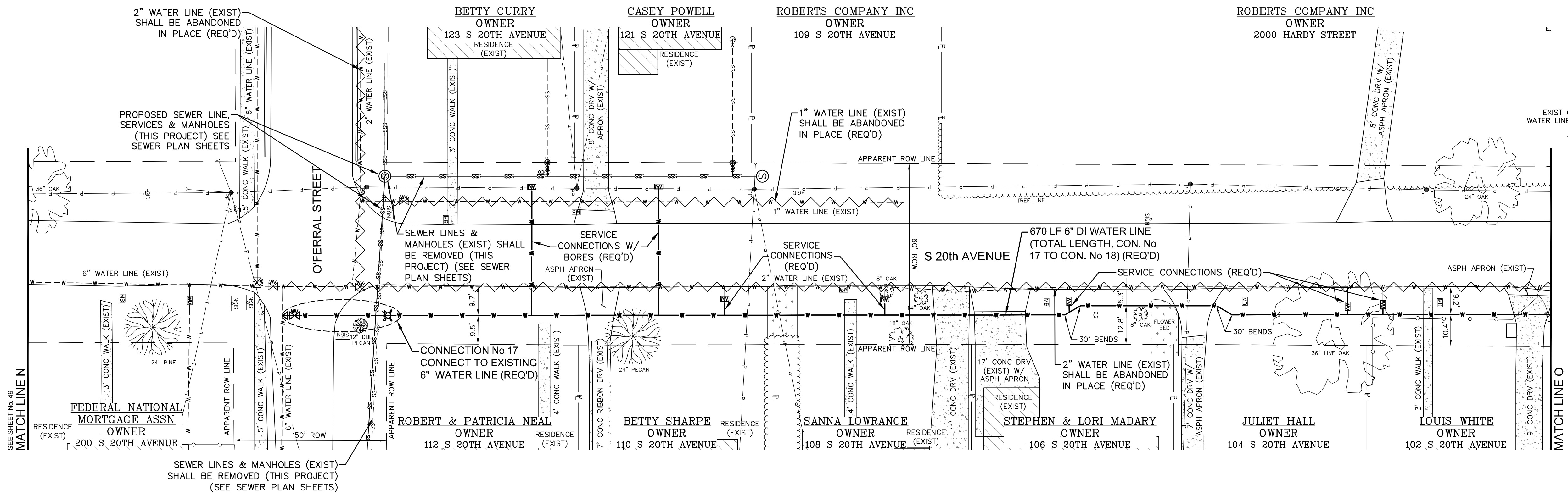
DAVID OTT
OWNER
302 S 22TH AVENUE

NO.	DATE	DESCRIPTION	BY
S 22ND AVE – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
 Engineering Progress			
301 Second Ave. Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
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Date: 12-11-2017	Working No. WP5		
Drawing No.: 1273-S010	Sheet No. 47		



S 20TH AVE – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com			
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Date: 12-11-2017	Working No. WP7		
Drawing No.: 1273-S010	Sheet No. 49		

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NO.	DATE	DESCRIPTION	BY

S 20TH AVE – WATER PLAN

COMSWIP SEWER PROJECT PHASE VIII

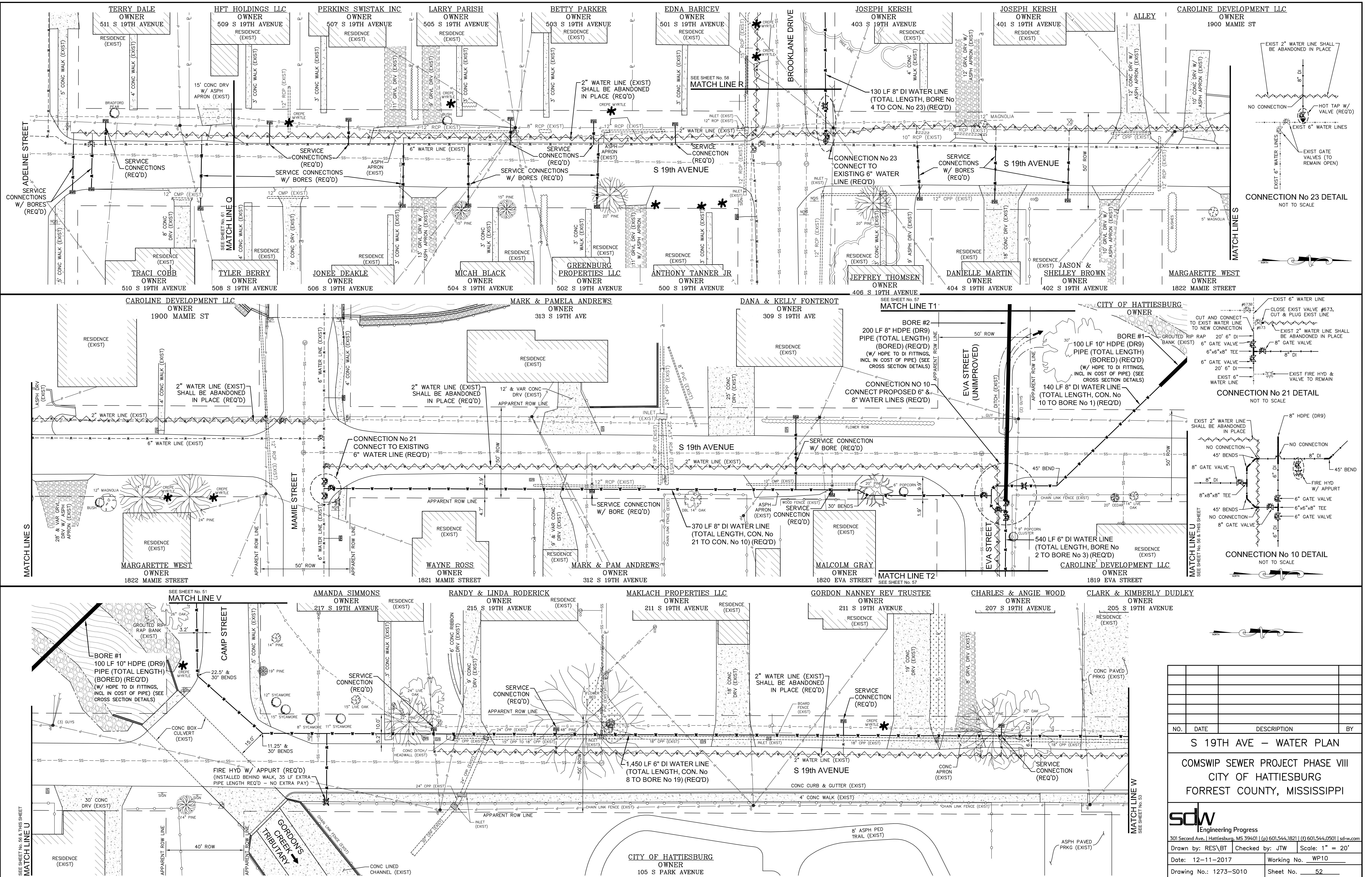
CITY OF HATTIESBURG

FORREST COUNTY, MISSISSIPPI

sdw
Engineering Progress

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

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Date: 12-11-2017	Working No. WP8	
Drawing No.: 1273-S010	Sheet No. 50	



NO.	DATE	DESCRIPTION	BY
S 19TH AVE – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			

Engineering Progress

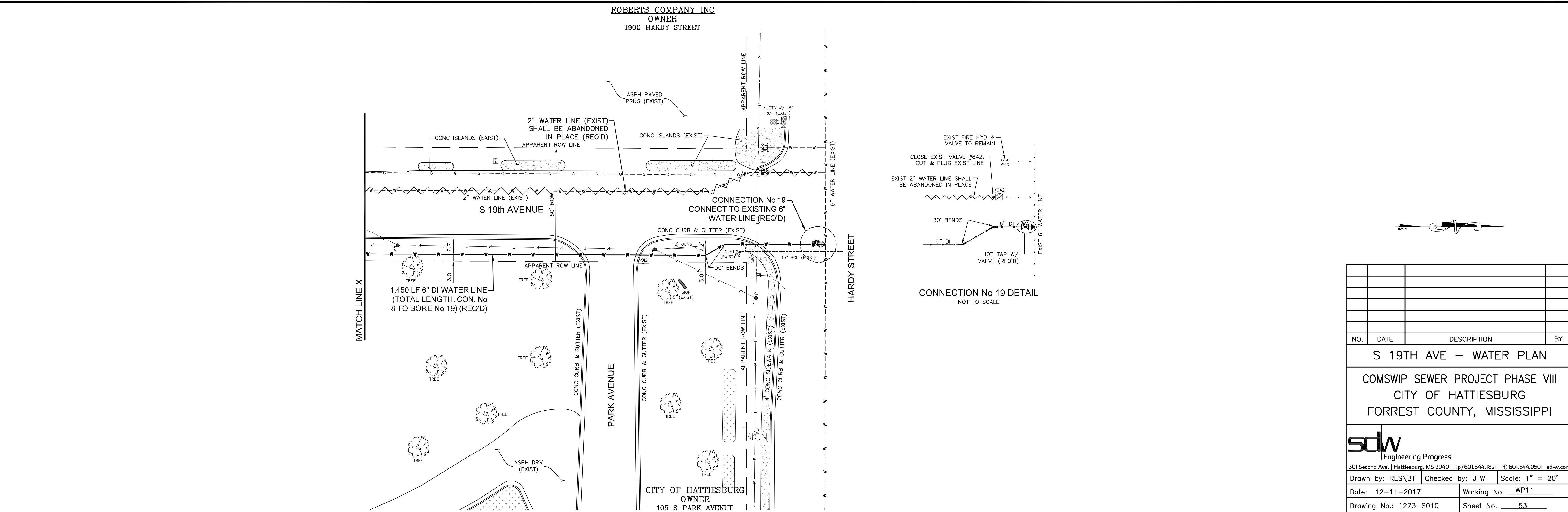
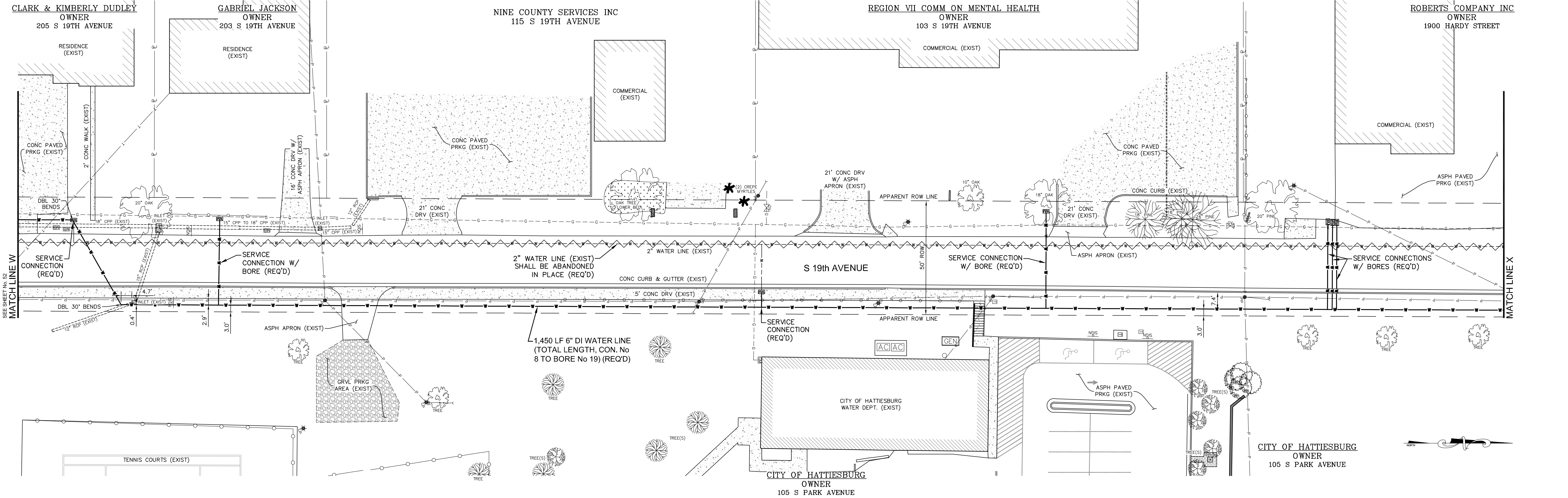
301 Second Ave., | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sdw.com

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Date: 12-11-2017 Working No. WP10

Drawing No.: 1273-S010 Sheet No. 52

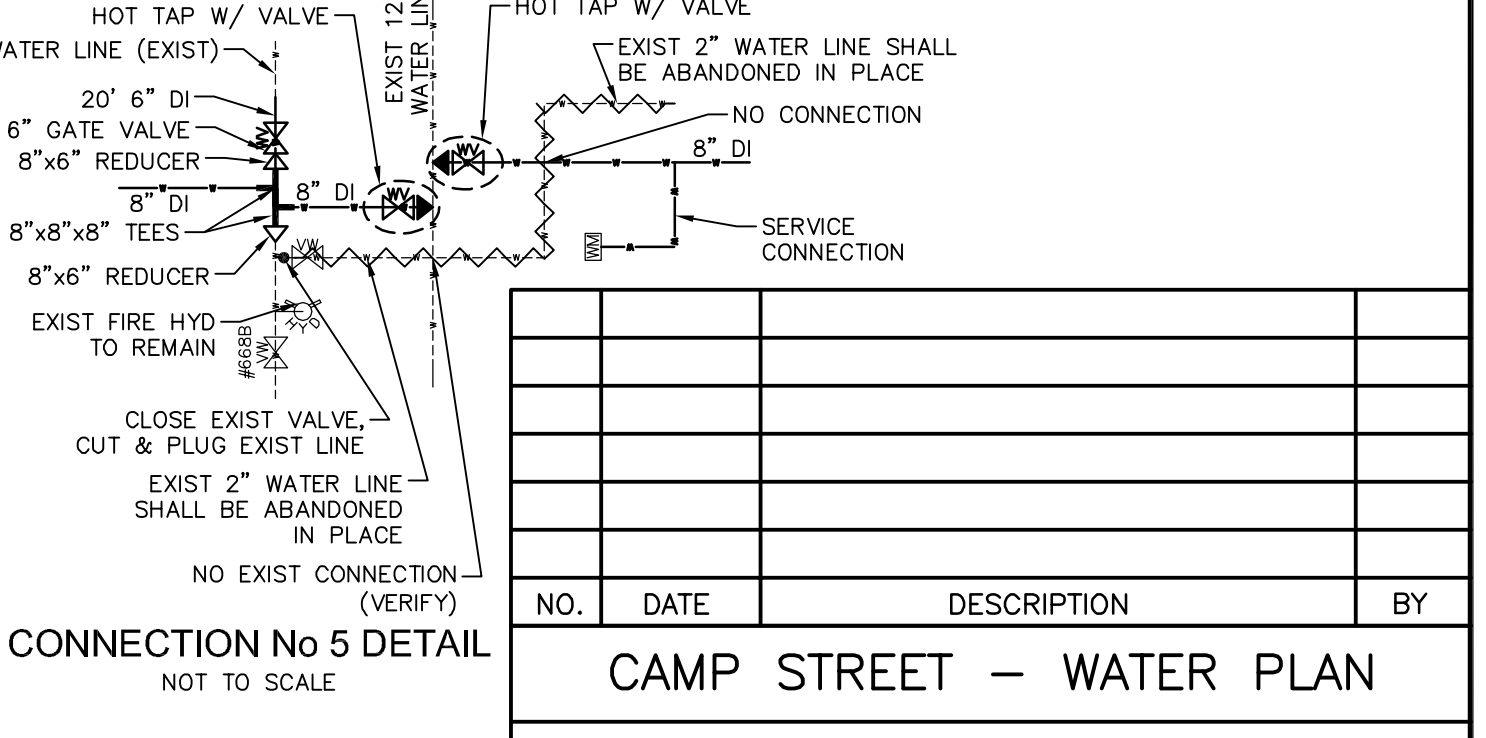
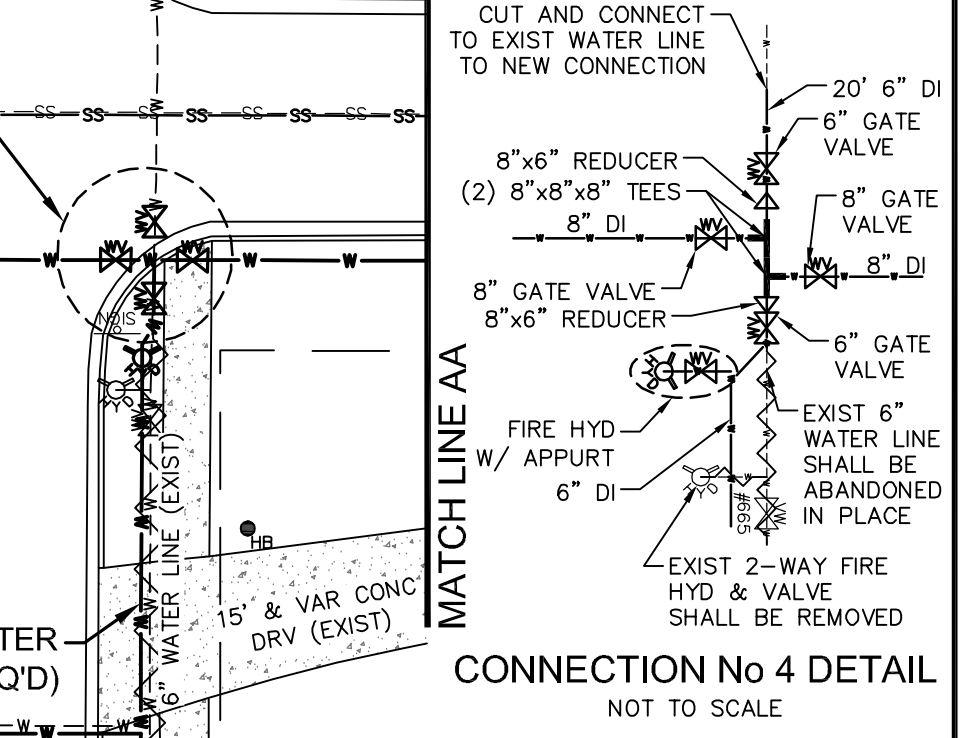
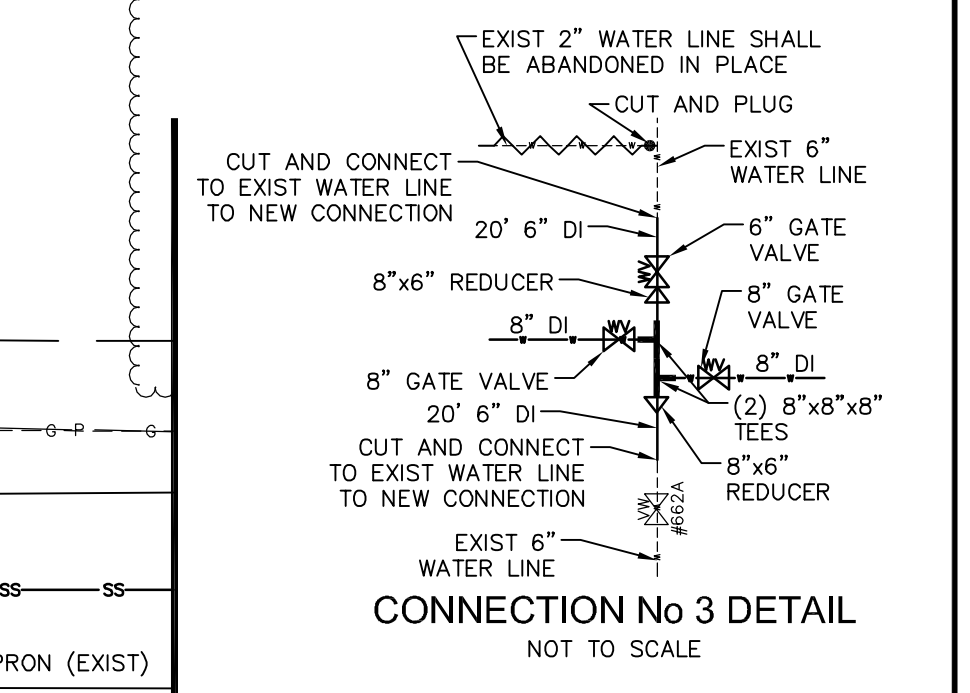
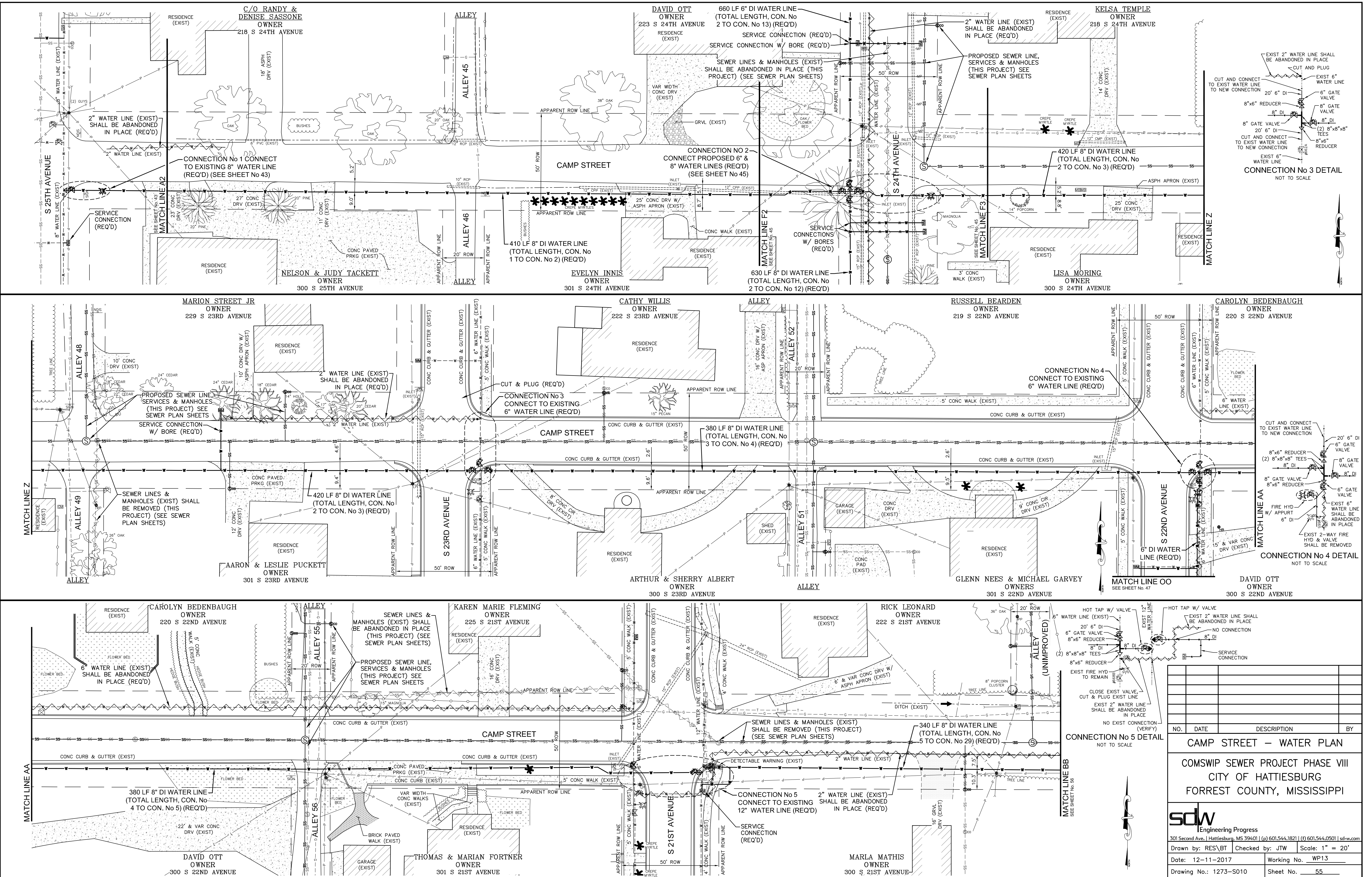
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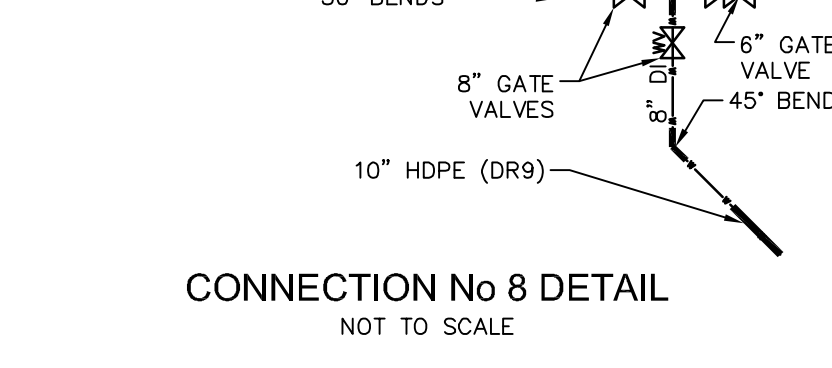
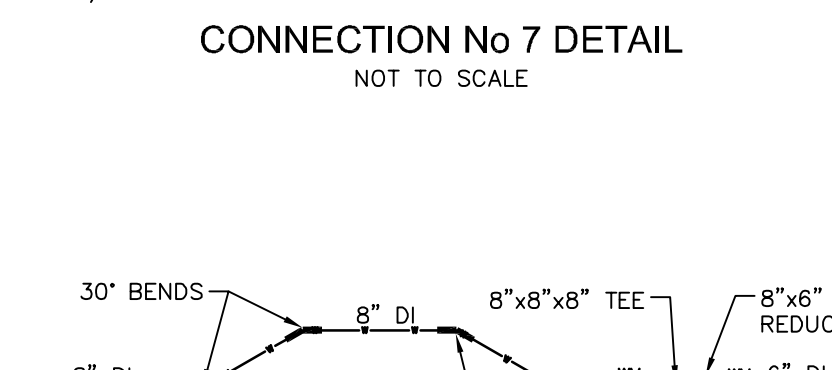
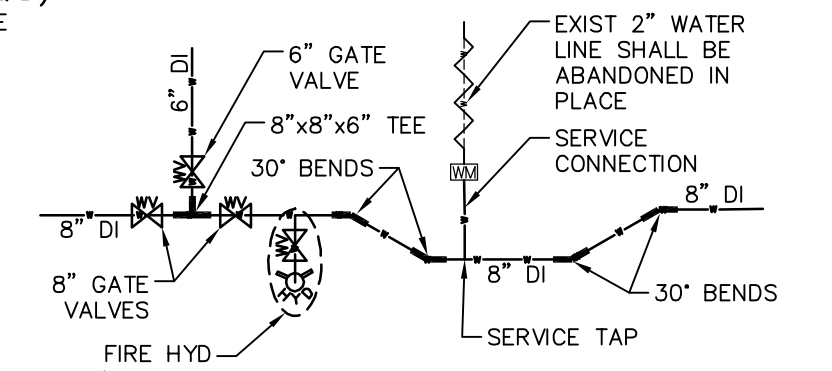
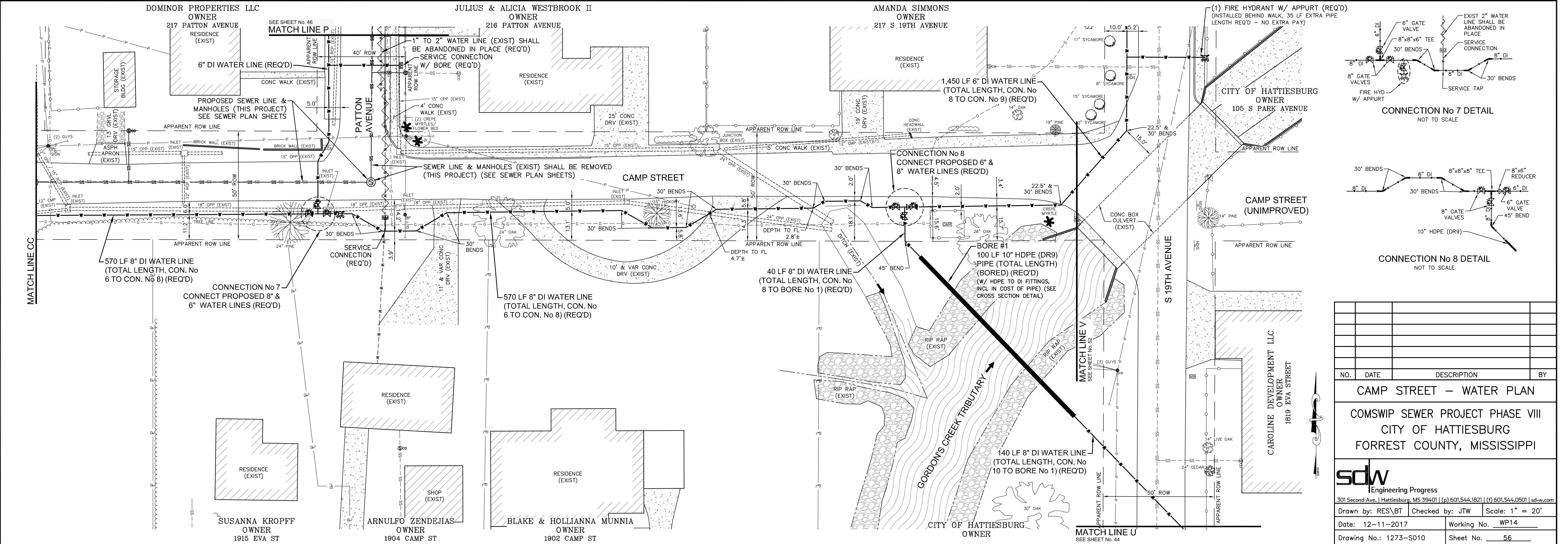
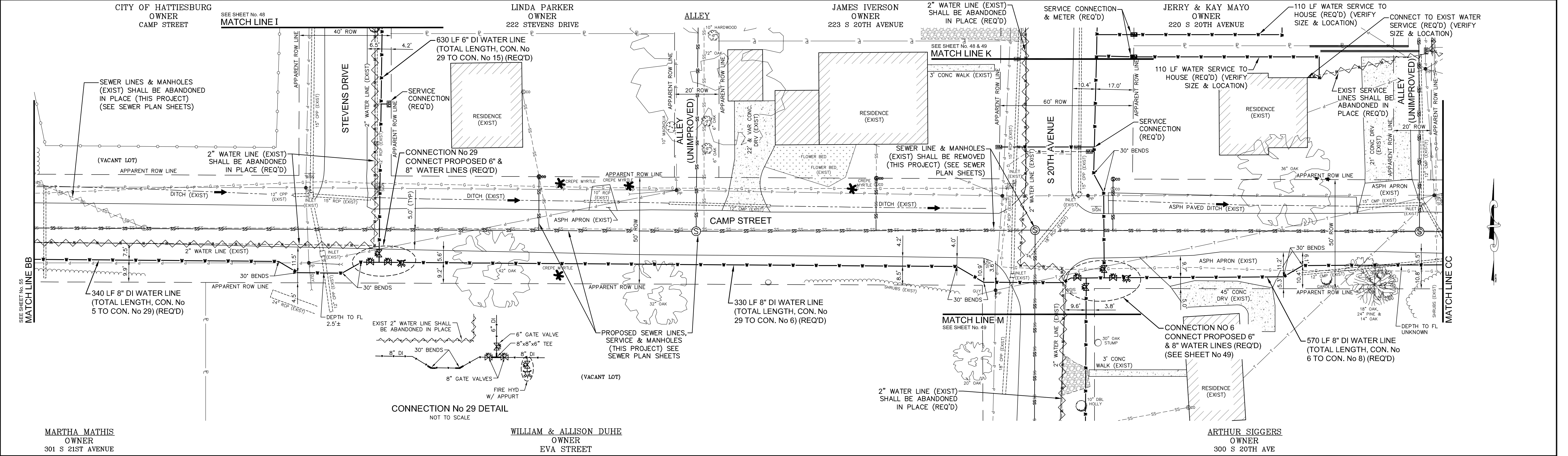
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S 19TH AVE – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
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Date: 12-11-2017		Working No. WP11	
Drawing No.: 1273-S010		Sheet No. 53	

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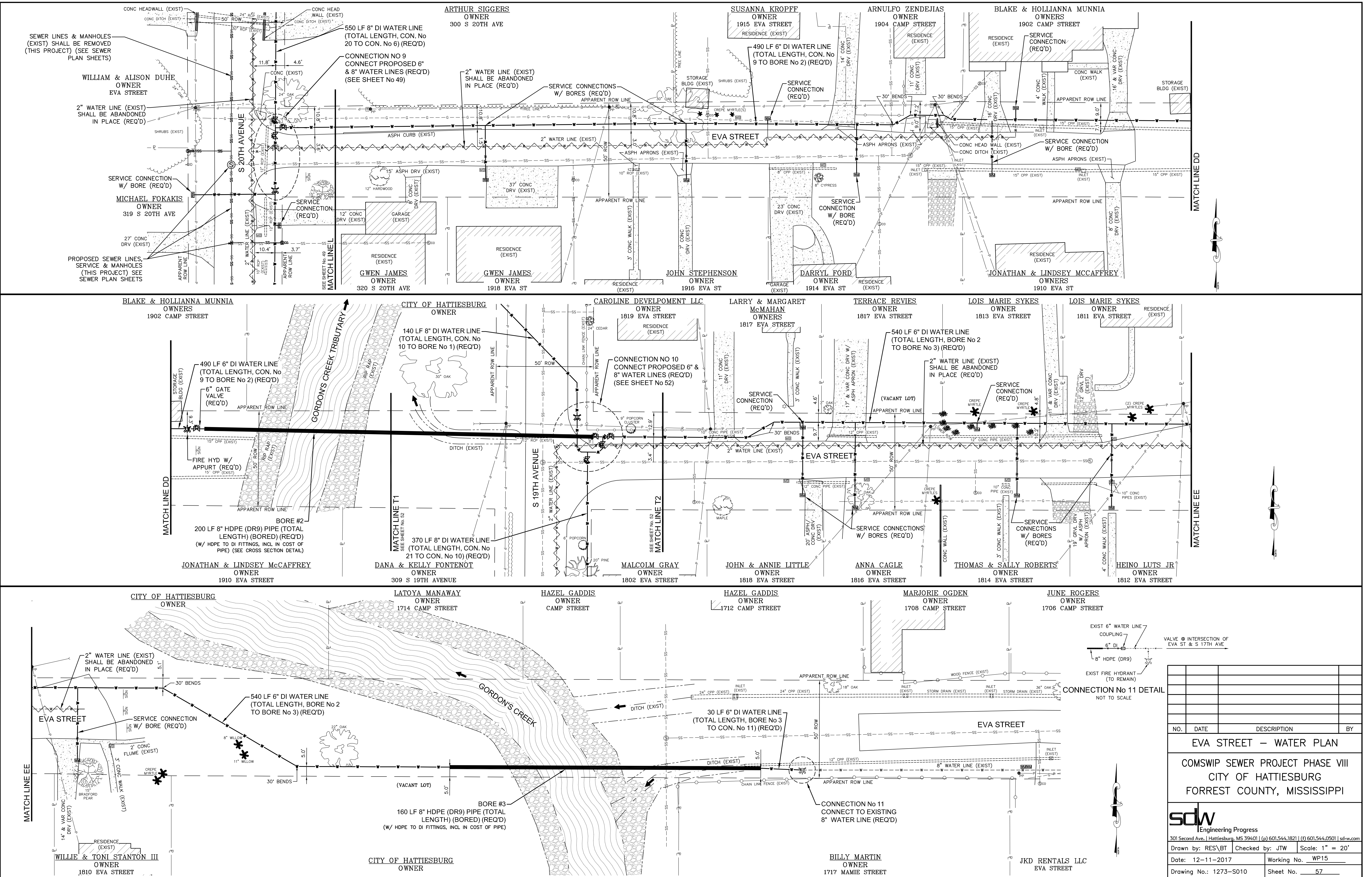


NO.	DATE	DESCRIPTION	BY
CAMP STREET – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com			
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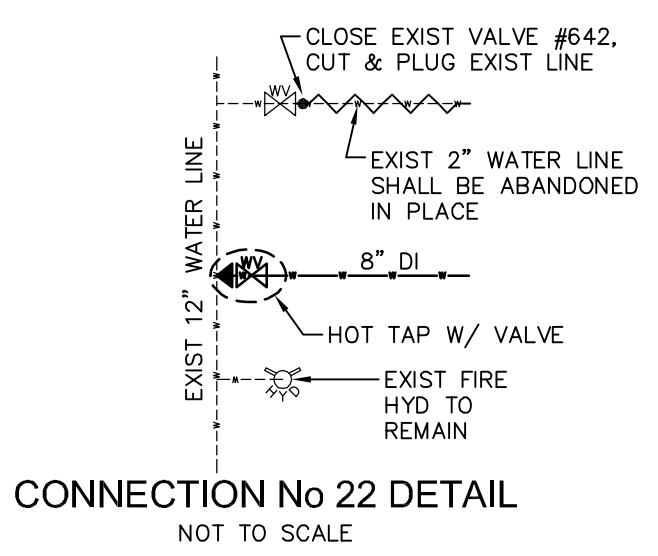
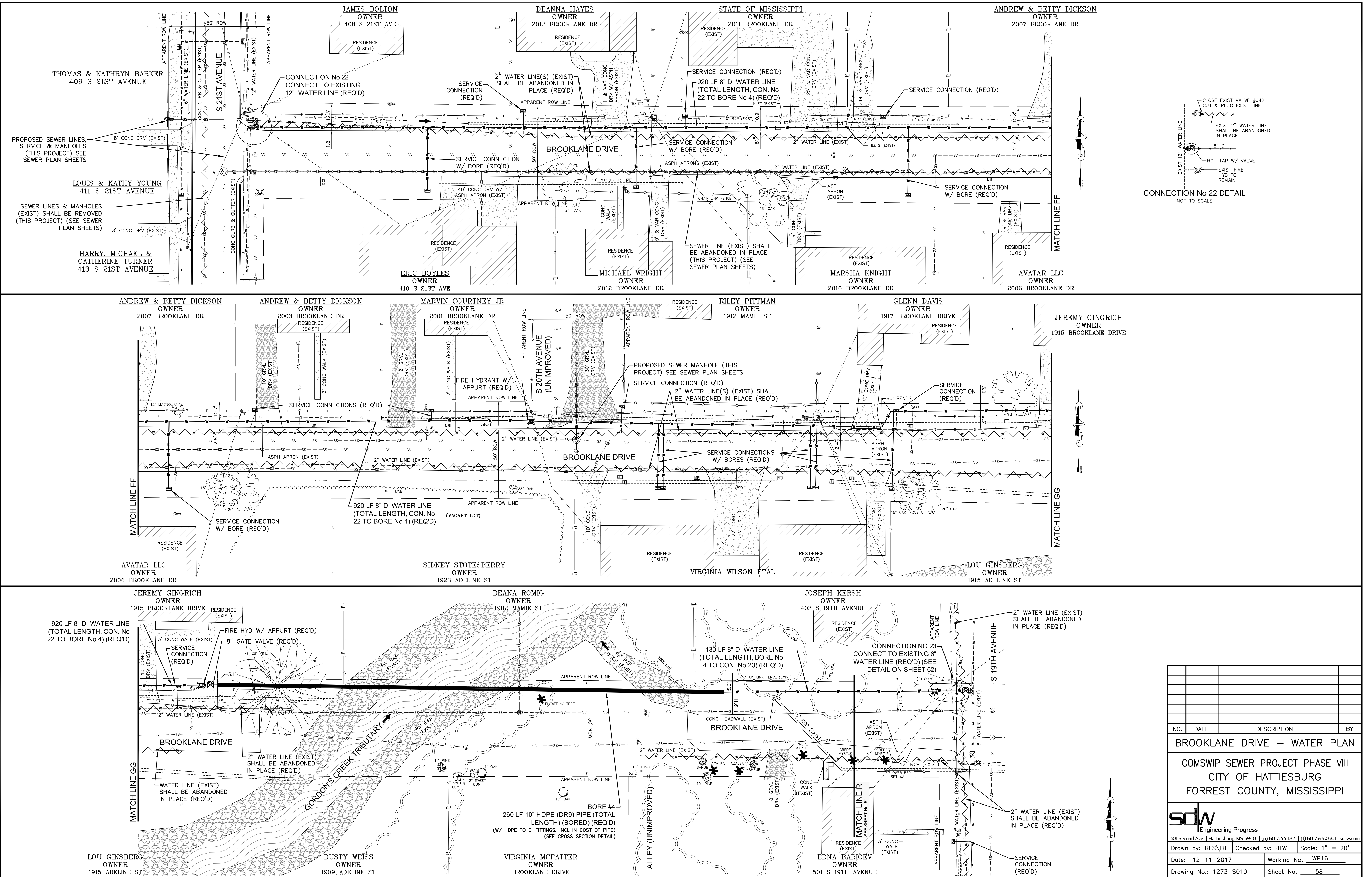


CAMP STREET – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
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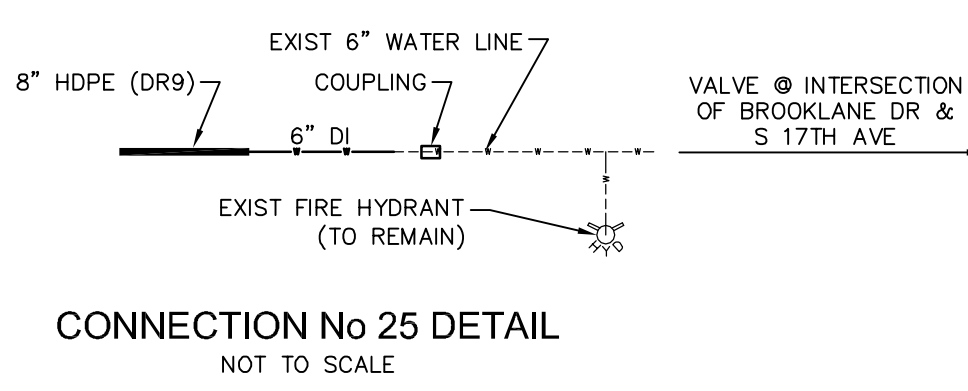
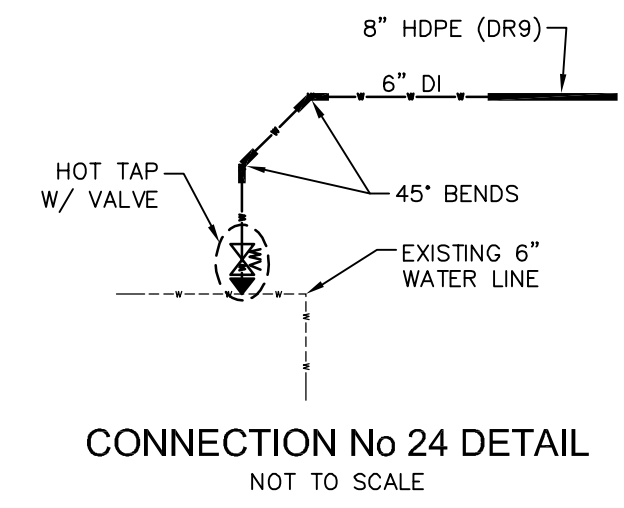
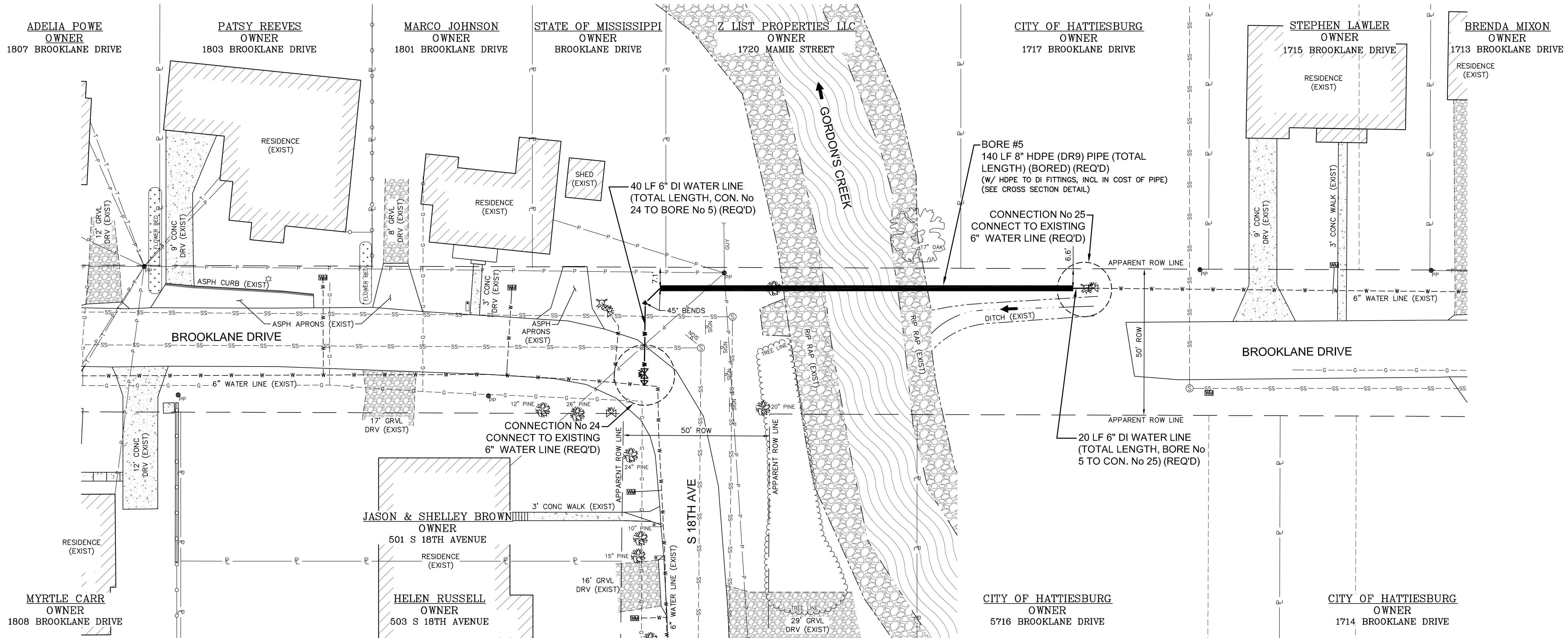


NO.	DATE	DESCRIPTION	BY
EVA STREET – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
 Engineering Progress			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
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Date: 12-11-2017		Working No. WP15	
Drawing No.: 1273-S010		Sheet No. 57	



NO.	DATE	DESCRIPTION	BY
BROOKLANE DRIVE – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com			
Drawn by: RES\BT		Checked by: JTW	Scale: 1" = 20'
Date: 12-11-2017		Working No. WP16	
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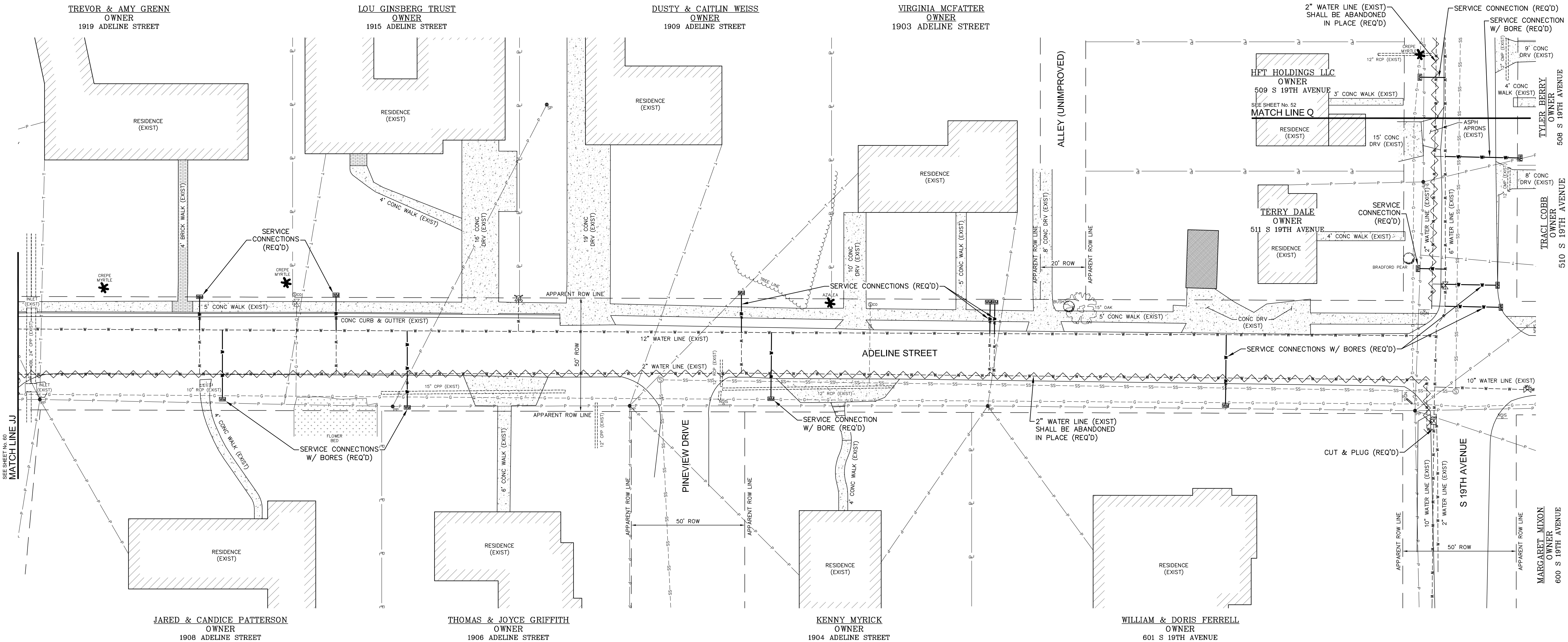
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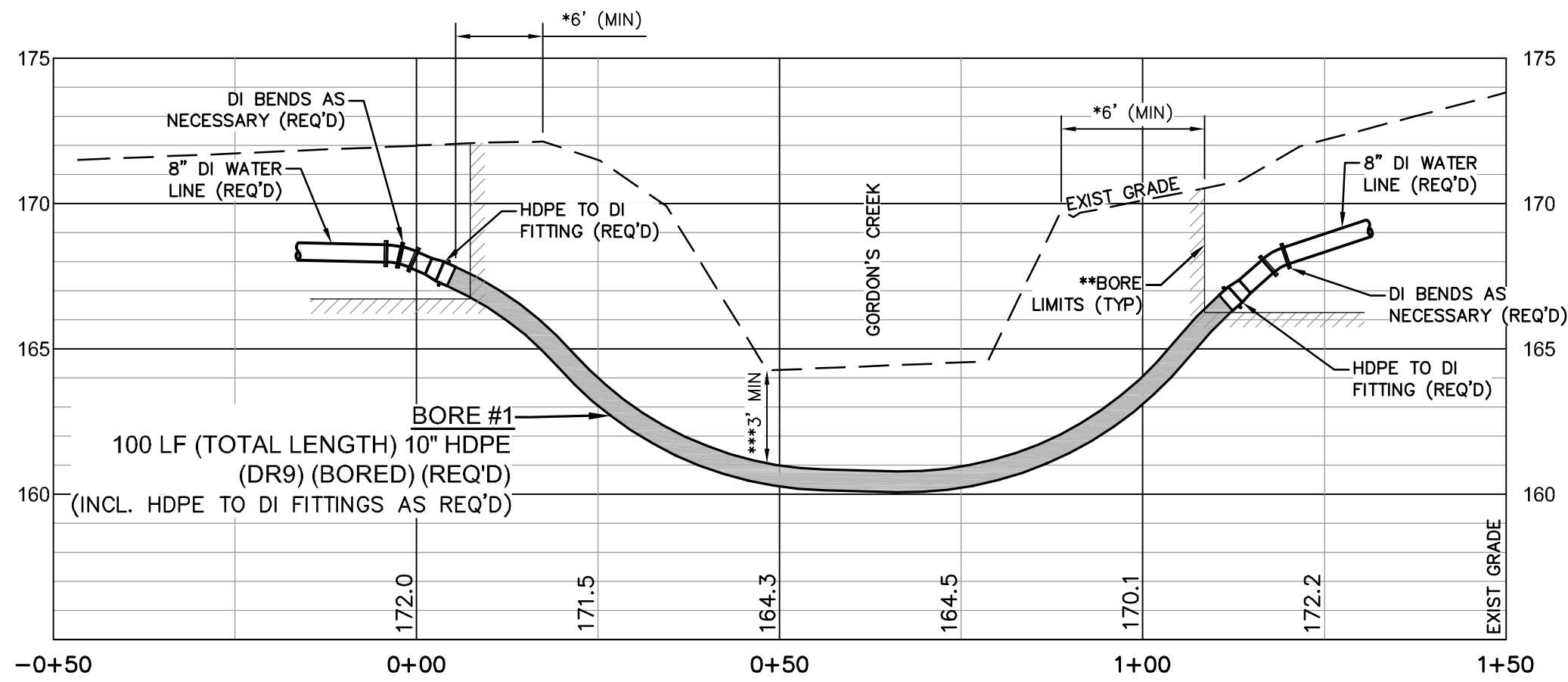
NO.	DATE	DESCRIPTION	BY
BROOKLANE DRIVE – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: RES\BT	Checked by: JTW	Scale: 1" = 20'	
Date: 12-11-2017	Working No. WP17		
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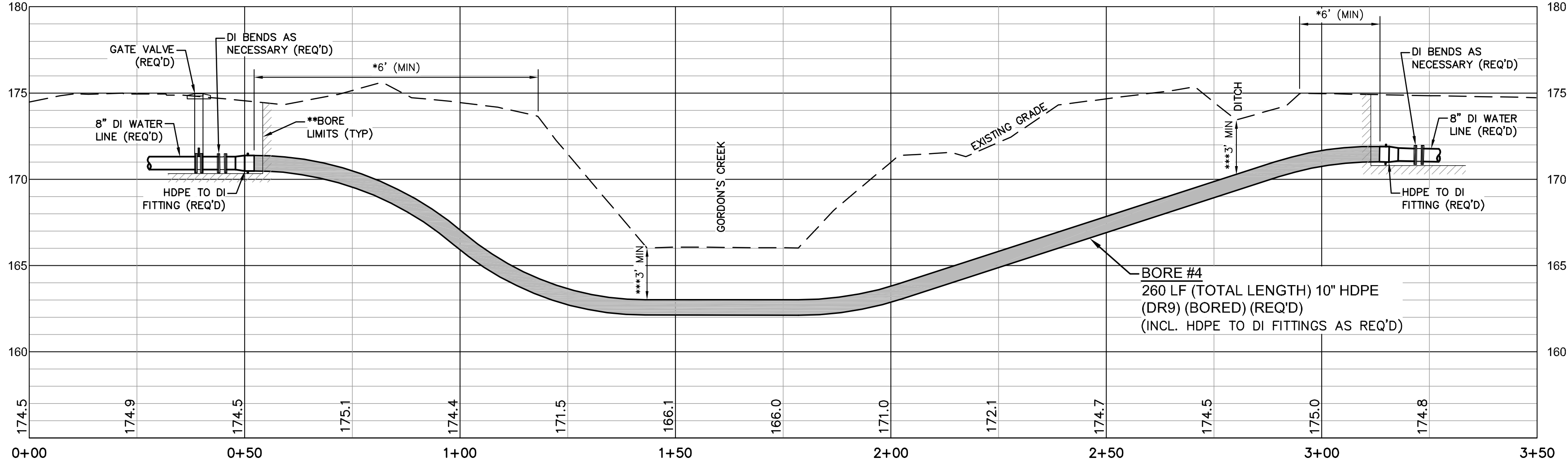
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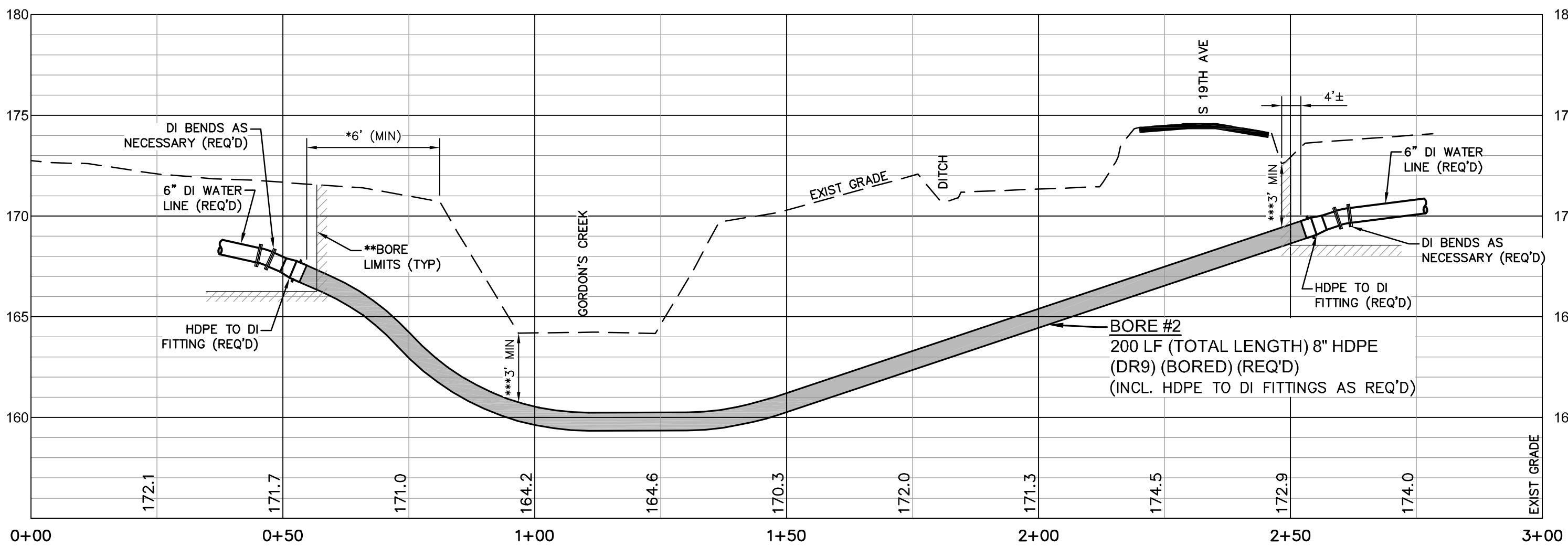
NO.	DATE	DESCRIPTION	BY
ADELINE STREET – WATER PLAN			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: RES\BT		Checked by: JTW	Scale: 1" = 20'
Date: 12-11-2017		Working No. WP19	
Drawing No.: 1273-S010		Sheet No. 61	



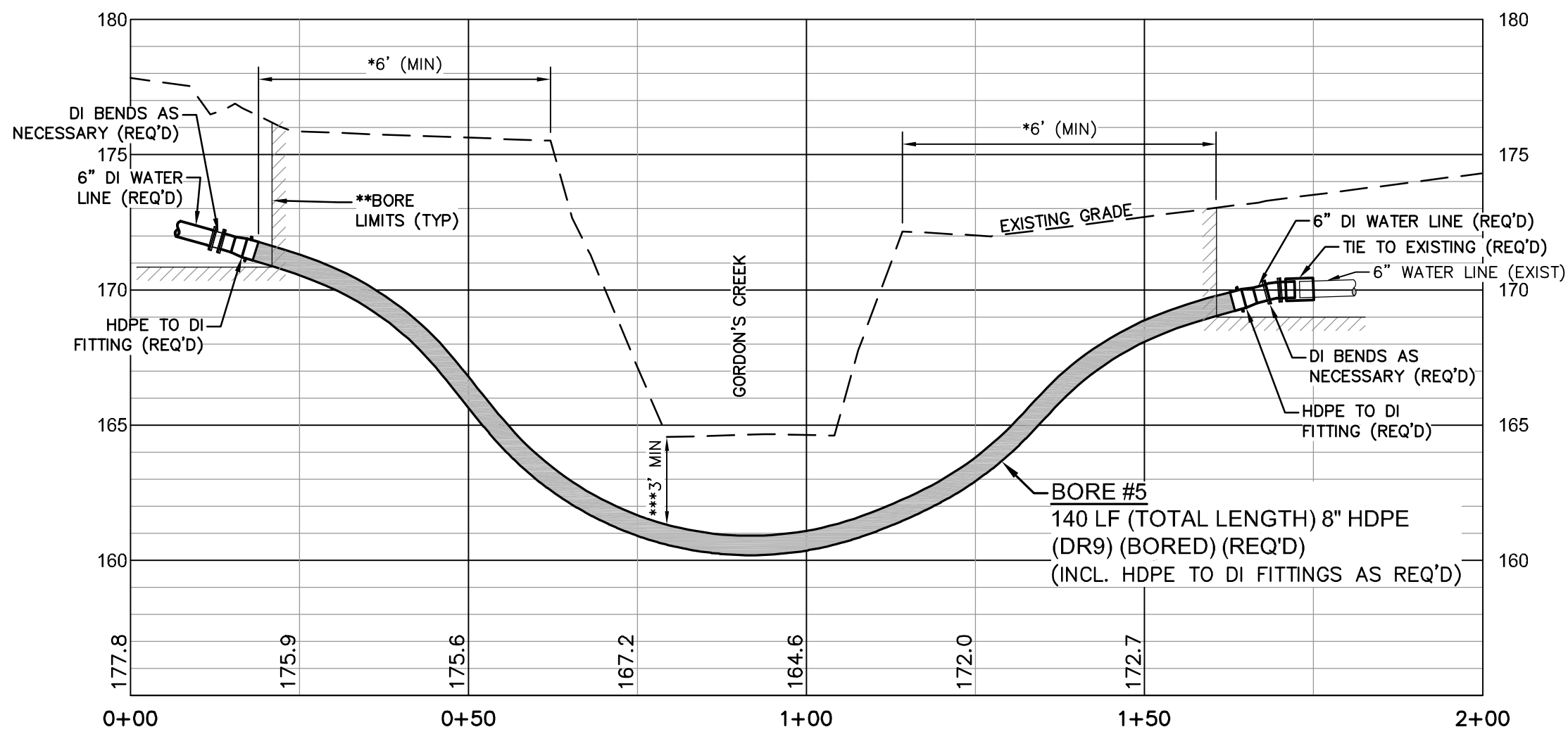
CROSS SECTION - BORE No. 1
(ACROSS GORDON'S CREEK TRIBUTARY NEAR THE CAMP ST / S 19TH AVE INTERSECTION)



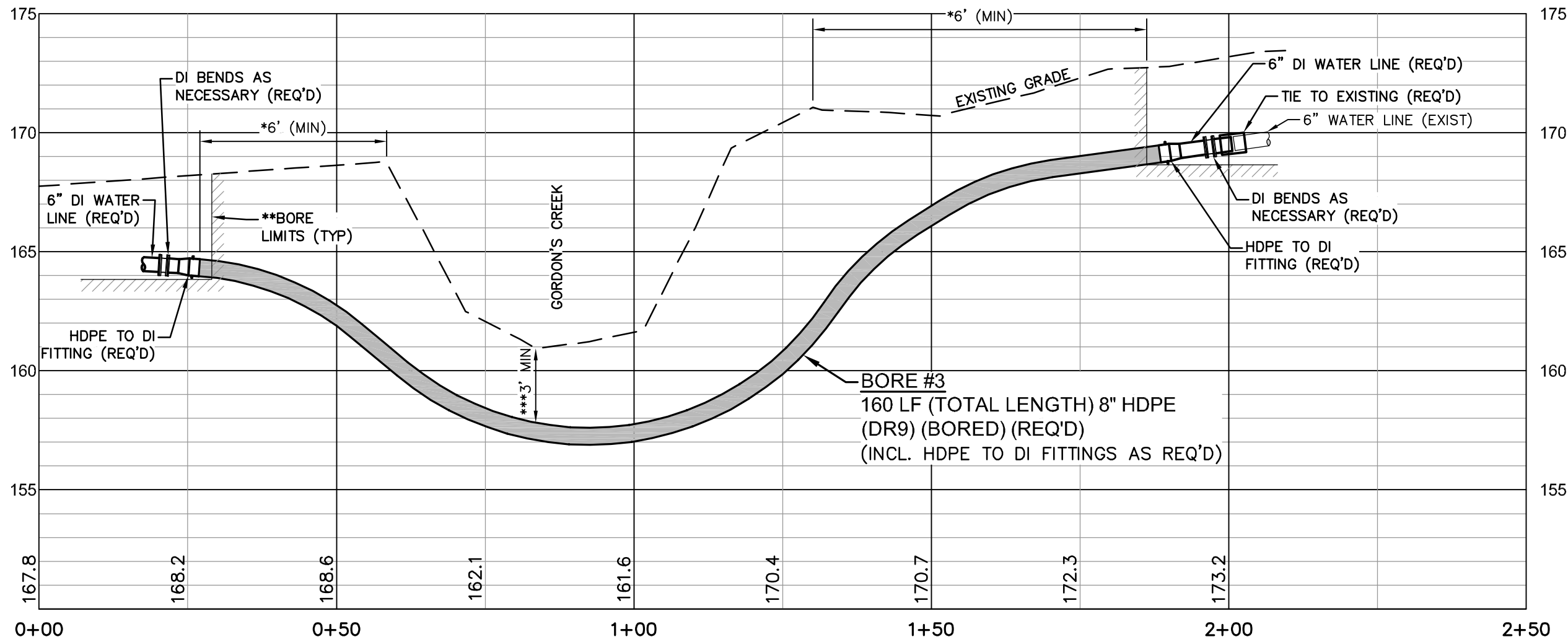
CROSS SECTION - BORE NO. 4
(ACROSS GORDON'S CREEK TRIBUTARY AT BROOKLANE DR)



CROSS SECTION - BORE No. 2
(ACROSS GORDON'S CREEK TRIBUTARY & S 19TH AVE AT EVA ST)



CROSS SECTION - BORE NO. 5
(ACROSS GORDON'S CREEK AT BROOKLANE DR)

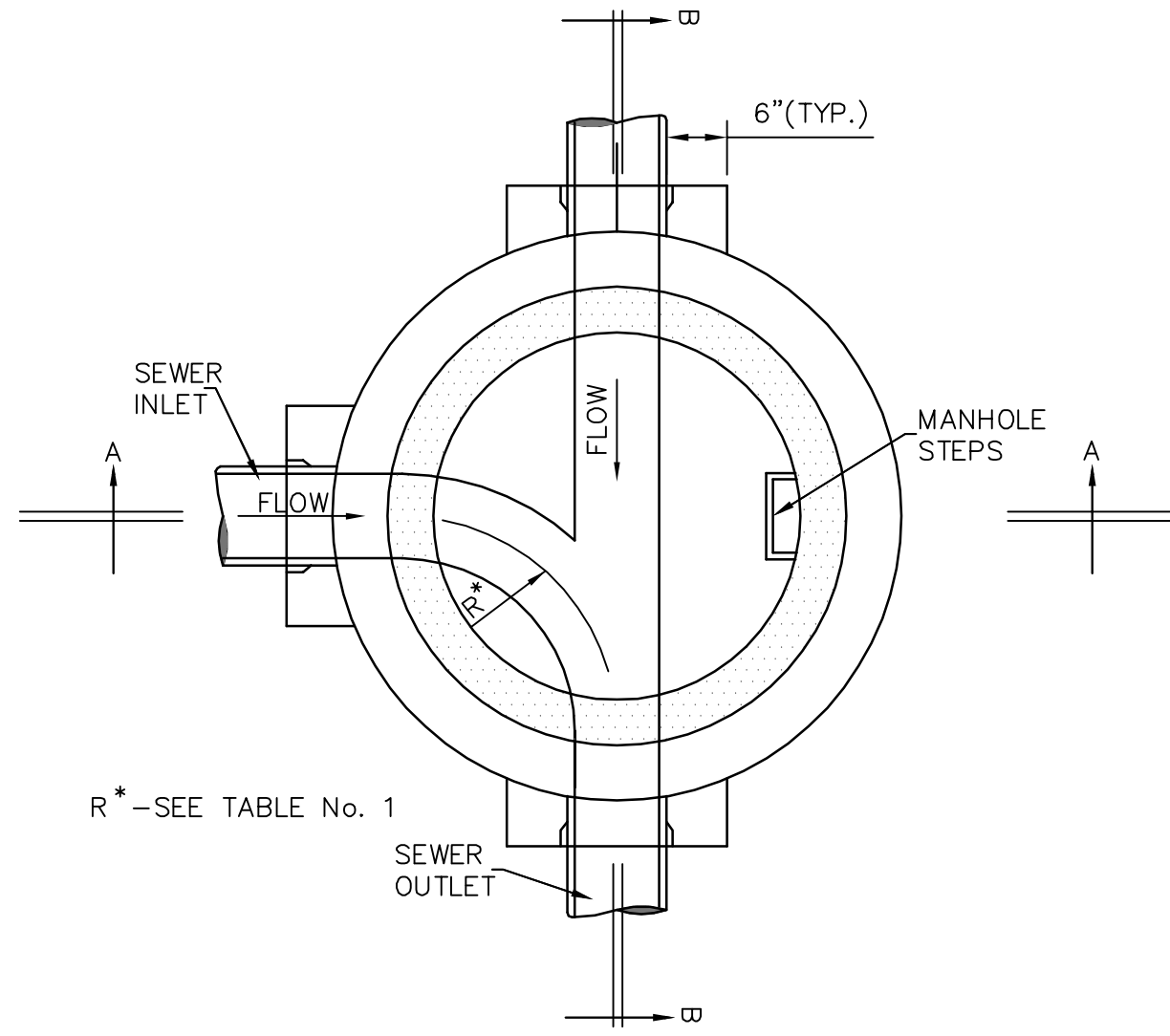


CROSS SECTION - BORE No. 3
(ACROSS GORDON'S CREEK AT EVA ST)

CROSS SECTION NOTES:

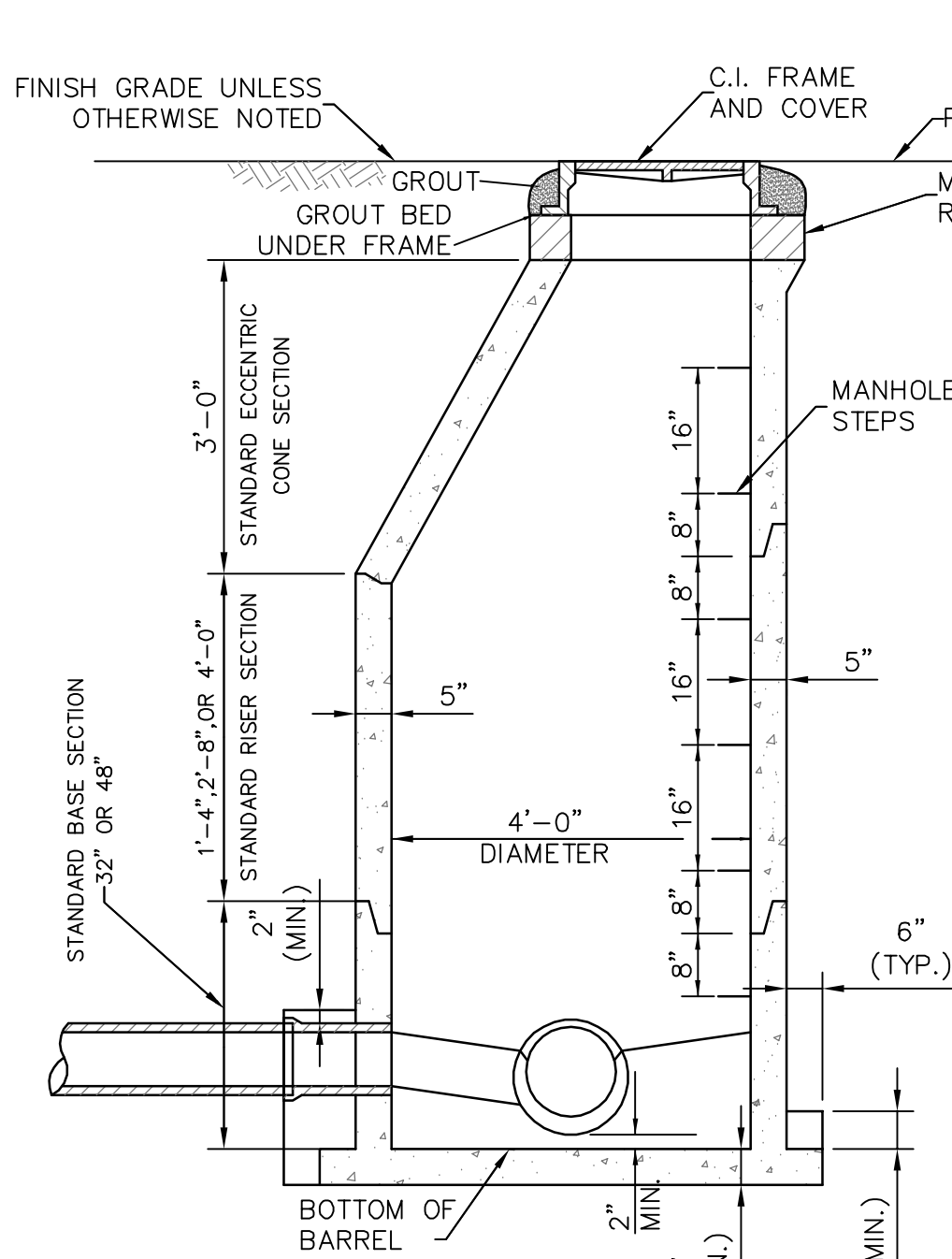
1. *BORE SHALL START & END A MINIMUM OF 6' FROM TOP BANK OF CREEK.
2. **BORE PIT TRENCH SHALL NOT BE EXCAVATED MORE THAN TWO (2) FEET FROM END OF BORE TOWARD CREEK.
3. ***THERE SHALL BE A MINIMUM OF 36 INCHES OF COVER BETWEEN THE FLOWLINE OF THE DITCH OR CREEK AND TOP OF PIPE.
4. LOCATION & DEPTH OF EXIST UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY PRIOR TO BORING OPERATIONS.

NO.	DATE	DESCRIPTION	BY
CREEK CROSS SECTIONS			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
 Engineering Progress			
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Drawn by: BT		Checked by: JTW	Scale: 1"=20'H, 1"=5'V
Date: 12-11-2017		Working No. XS1	
Drawing No.: 1273-S010		Sheet No. 62	

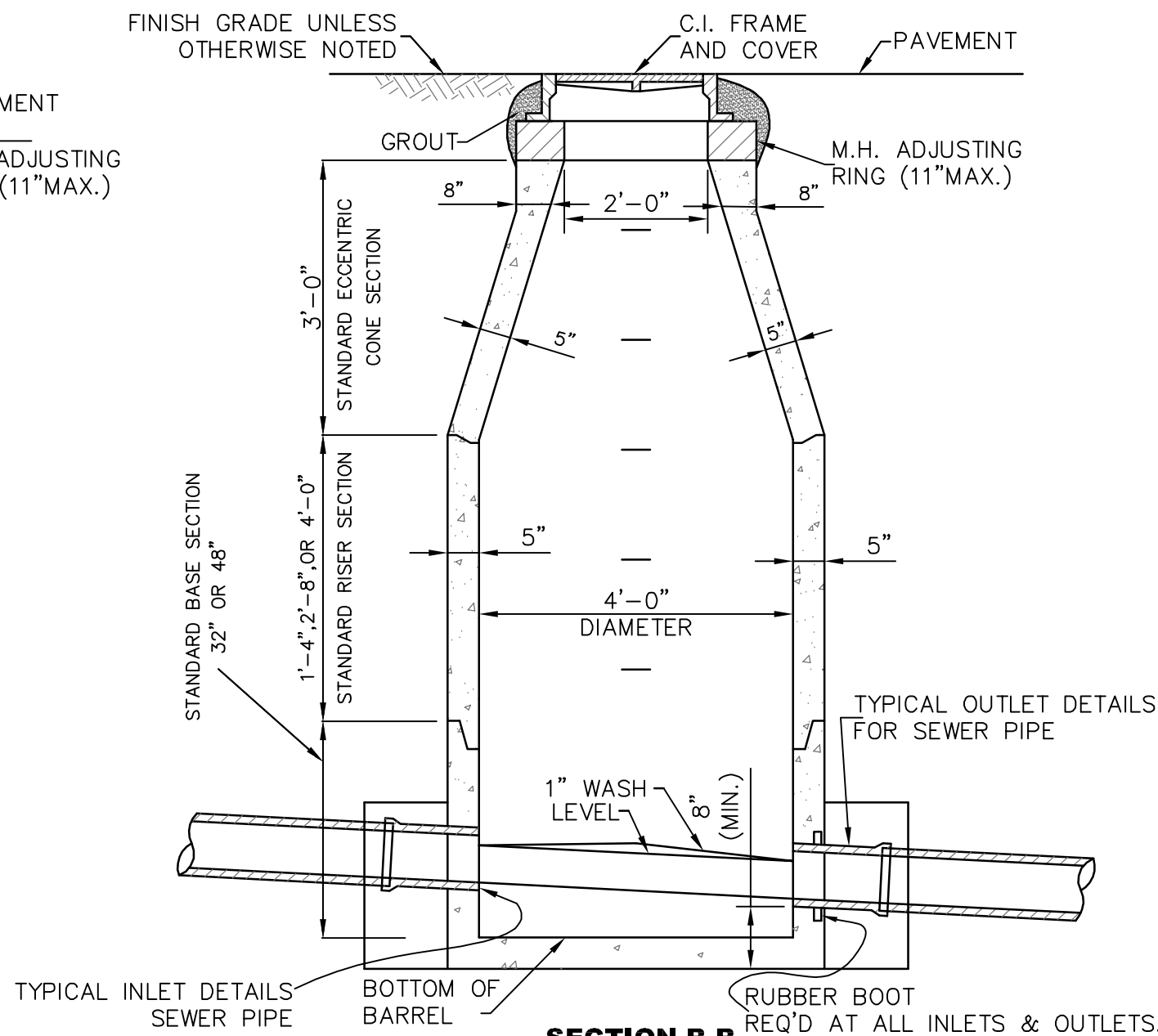


SECTIONAL PLAN
STANDARD PRECAST 4'-0" DIAMETER MANHOLE

NOTE: 5'-0" & 6'-0" DIAMETER MANHOLE MAY BE SIMILAR DESIGN IF APPROVED BY THE ENGINEER. SHOWN WITH CLAY OR CONCRETE PIPE

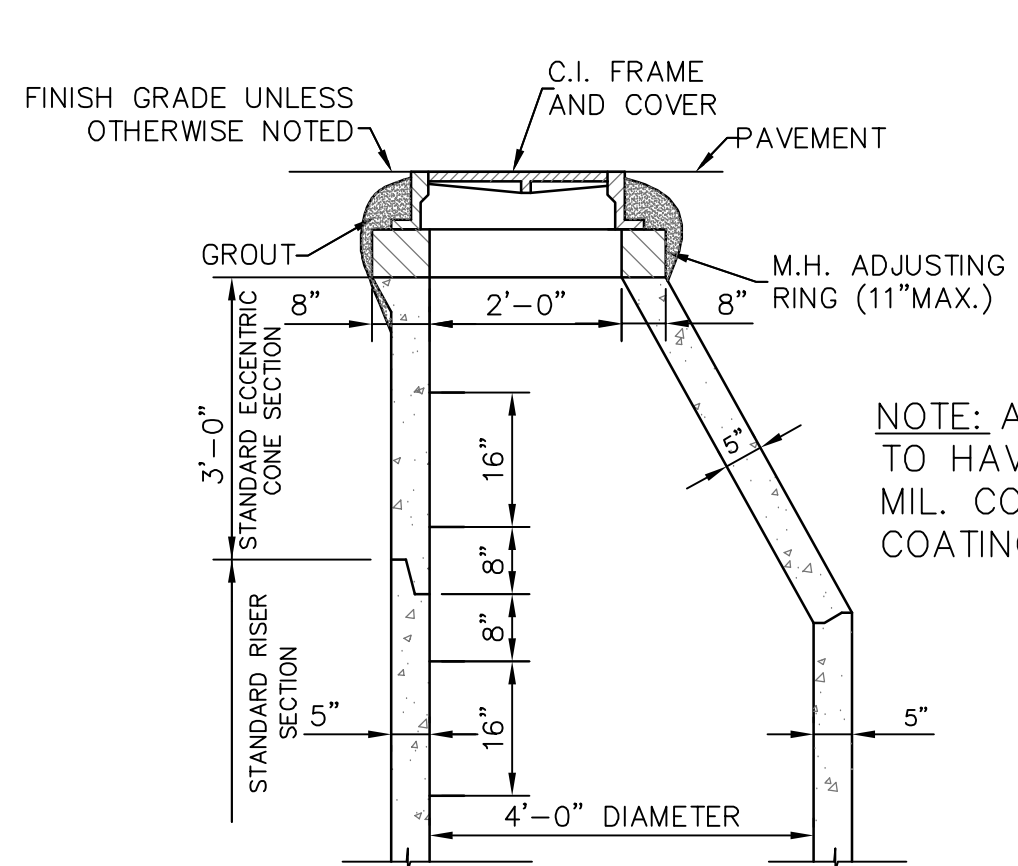


SECTION A-A
SHOWN WITH MANHOLE BOTTOM-PRECAST



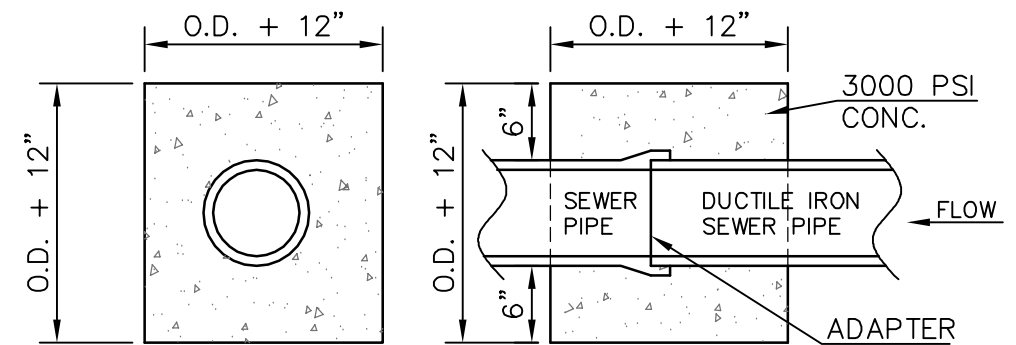
SECTION B-B
SHOWN WITH MANHOLE BOTTOM CAST-IN-PLACE

NOTE: CAST-IN-PLACE MANHOLE BOTTOMS SHALL HAVE #4 BARS 12" O.C.E.W. 4" ABOVE BOTTOM OF SLAB EXTENDING TO 3" OF EDGE OF SLAB. CAST-IN-PLACE BOTTOMS SHALL BE A MIN. OF 8" THICK.



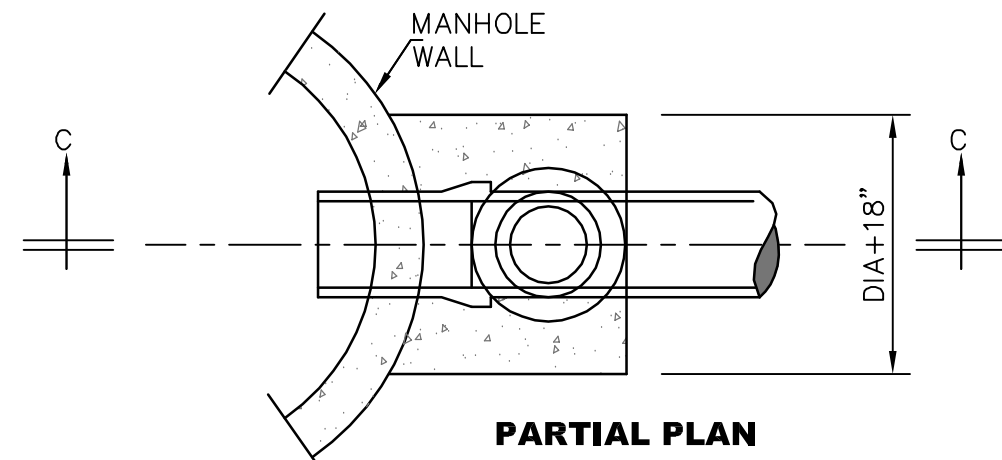
STANDARD ECCENTRIC CONE
FOR ALL DIAMETER MANHOLES

NOTE: DETAILS FOR RISER & BASE SECTIONS ARE SAME AS SHOWN IN SECTION A-A & B-B.



SECTION
PLAN
TYPICAL SEWER PIPE
CONNECTION TO SAME SIZE
DUCTILE IRON SEWER PIPE

NOTE: DROP MANHOLE ASSEMBLY TO BE FORMED AND POURED USING 3,000psi CONC.



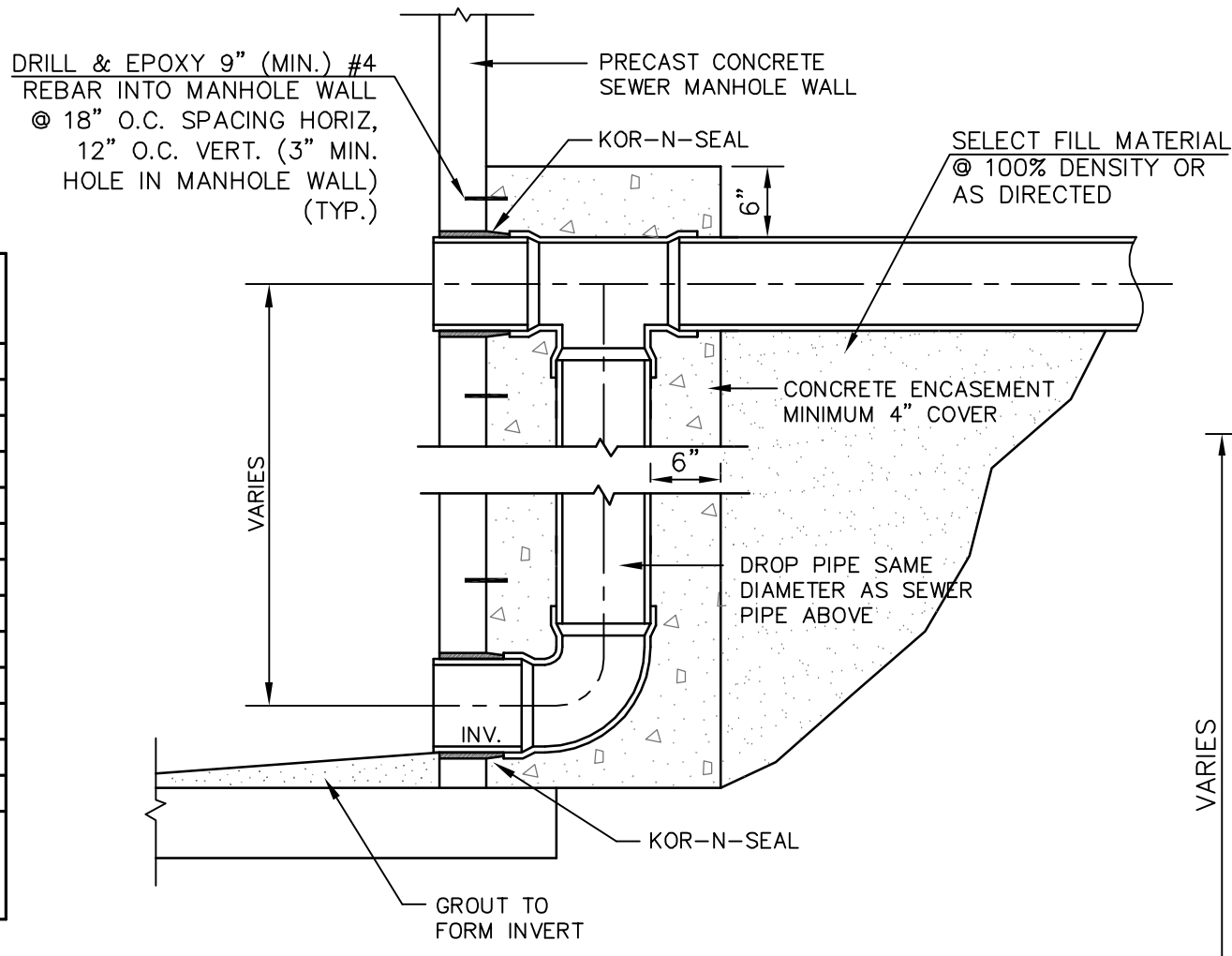
PARTIAL PLAN
TYPICAL DROP MANHOLE ASSEMBLY

NOTE:

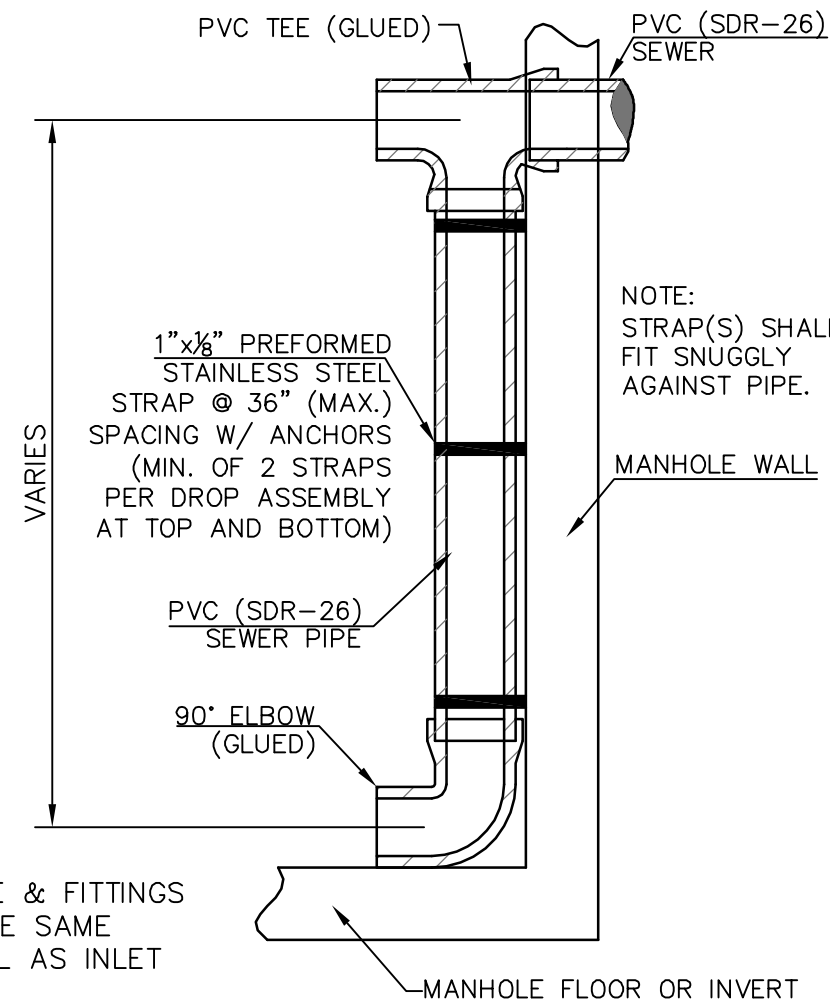
ALL MANHOLES SHALL BE STANDARD PRECAST WITH EXTENDED BASES, UNLESS OTHERWISE DIRECTED. FLEXIBLE INLET AND OUTLET CONNECTION BOOTS REQUIRED ON ALL PIPES AND FORCE MAINS.

TABLE NO. 1 GOVERNING DIMENSIONS FOR MANHOLES				
PIPE SIZE	Ø ANGLE	MIN. BASE DIAMETER	"R"*	
8" THRU 12"	0° TO 90°	4'	1'-6"	
15"	0° TO 60°	5'	1'-10"	
15"	60° TO 90°	5'	1'-10"	
18"	0° TO 90°	5'	2'-3"	
18"	60° TO 90°	5'	1'-10"	
21"	0° TO 90°	5'	2'-7"	
21"	60° TO 90°	5'	2'-4"	
24"	0° TO 45°	6'	3'-0"	
24"	45° TO 90°	6'	2'-3"	
30"	0° TO 60°	6'	3'-9"	
30"	60° TO 90°	6'	2'-8"	
36"	0° TO 30°	7'	4'-6"	
36" AND LARGER	0° TO 90°	CAST IN PLACE MANHOLE BASE OR PRE-BED PIPE M.H. BASE AND ELBOW UNITS.		

* SEE SECTIONAL PLAN, STD. PRECAST MANHOLE



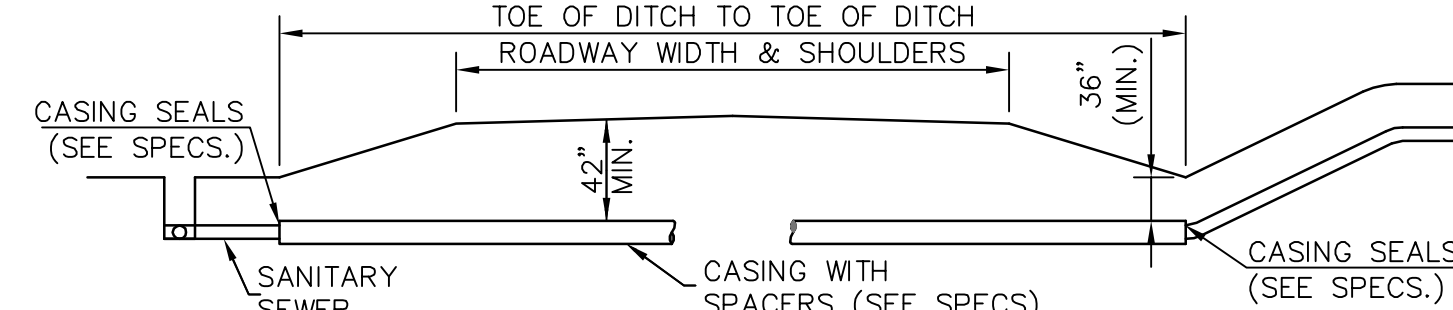
DETAIL "B"
SECTION C-C



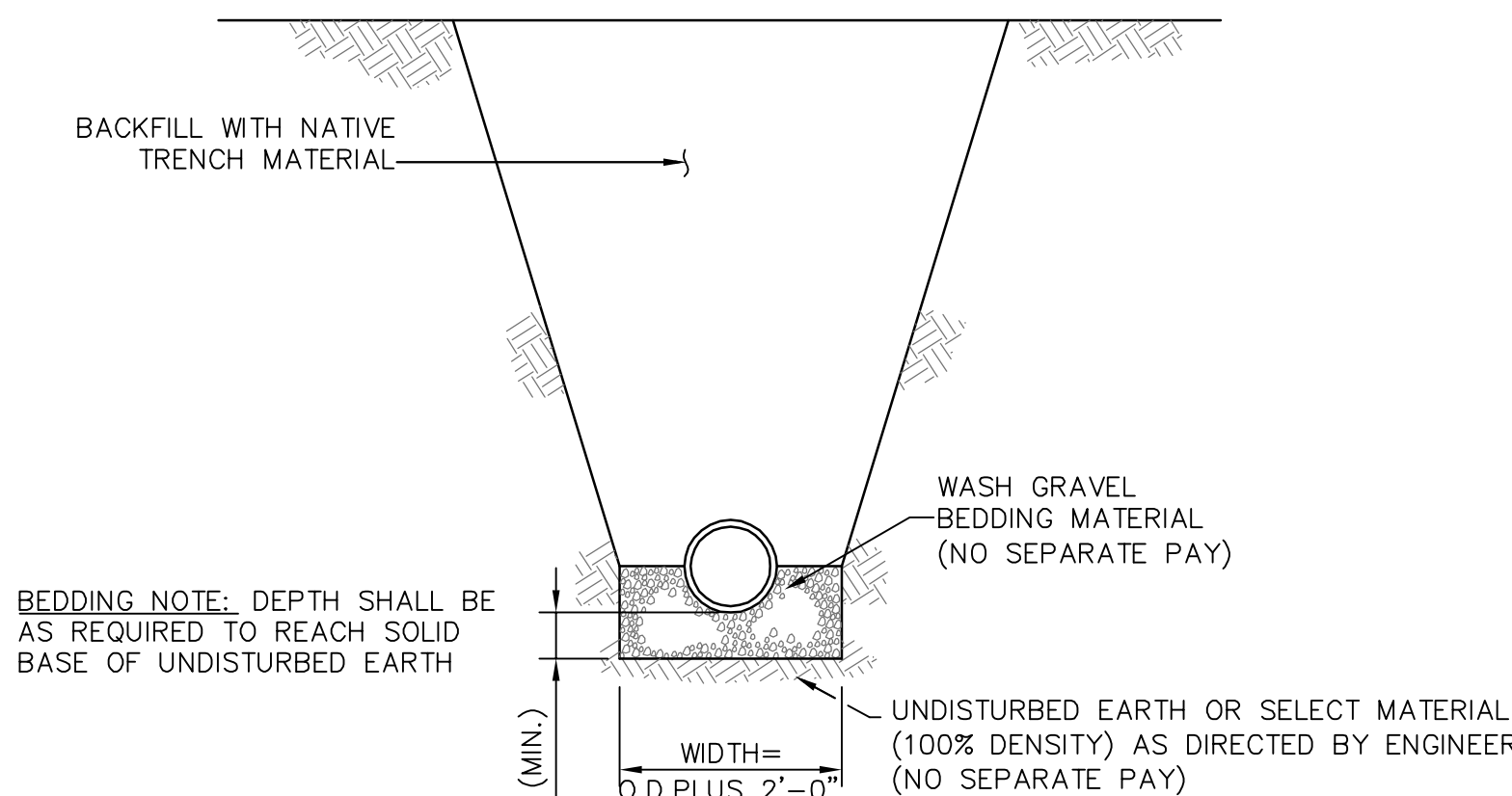
TYPICAL DROP MANHOLE ASSEMBLY

- NOTES:
1. USE DETAIL "A" ONLY WHERE SINGLE DROP ASSEMBLY IS REQ'D. FOR MULTIPLE DROPS USE DETAIL "B" SHOWN ELSEWHERE ON THIS SHEET FOR 48" MANHOLE. FOR MULTIPLE DROP ASSEMBLIES IN LARGER MANHOLES, DROPS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.
 2. ALL HARDWARE SHALL BE STAINLESS STEEL.
 3. ALL APPURTENANCES SHALL BE INCLUDED IN BID PRICE FOR DROP ASSEMBLIES.

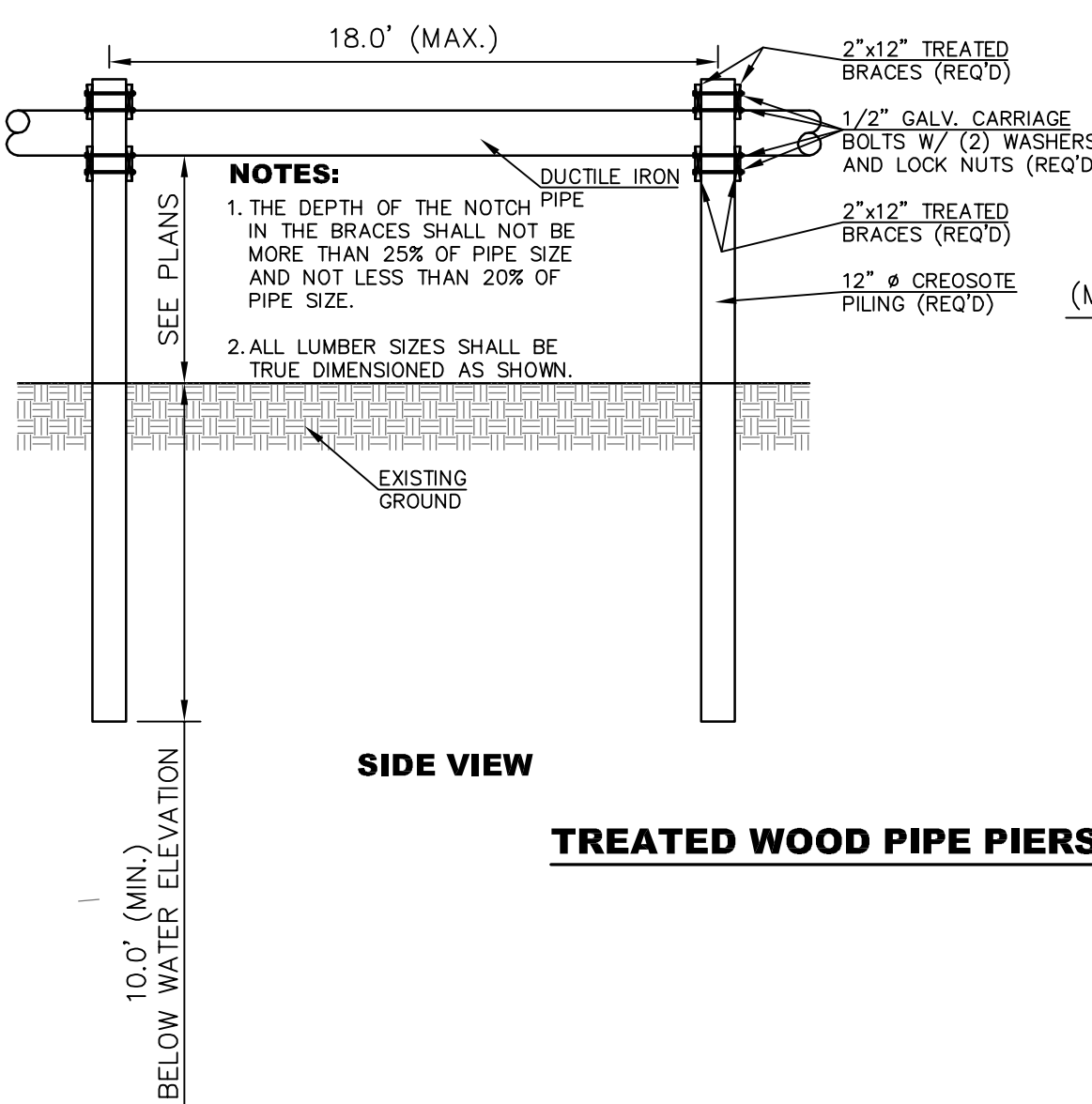
NOTE: ALL TESTING TO BE THE RESPONSIBILITY OF THE CONTRACTOR. (NO SEPARATE PAY)



ROAD BORE DETAIL

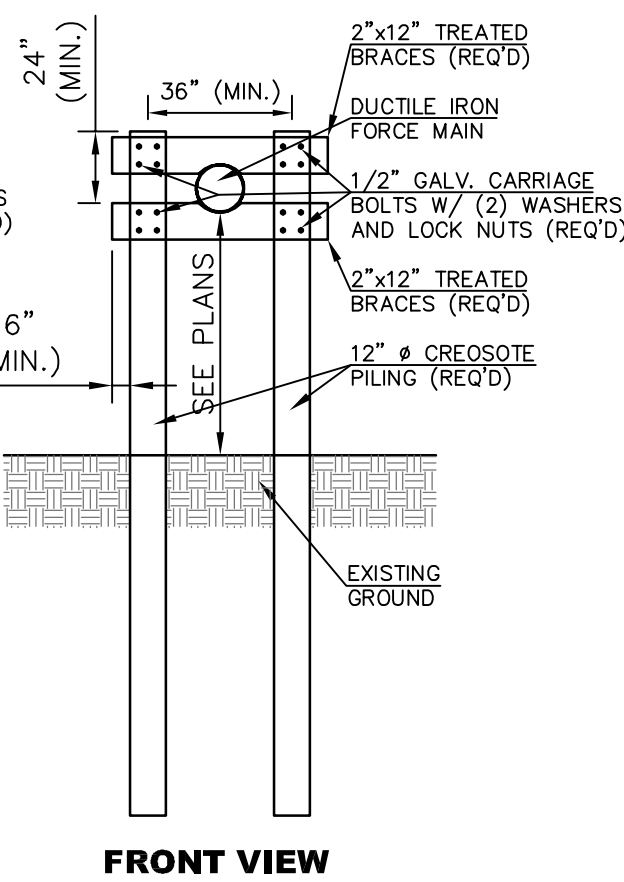


TYPICAL TRENCH DETAIL



SIDE VIEW

TREATED WOOD PIPE PIERS

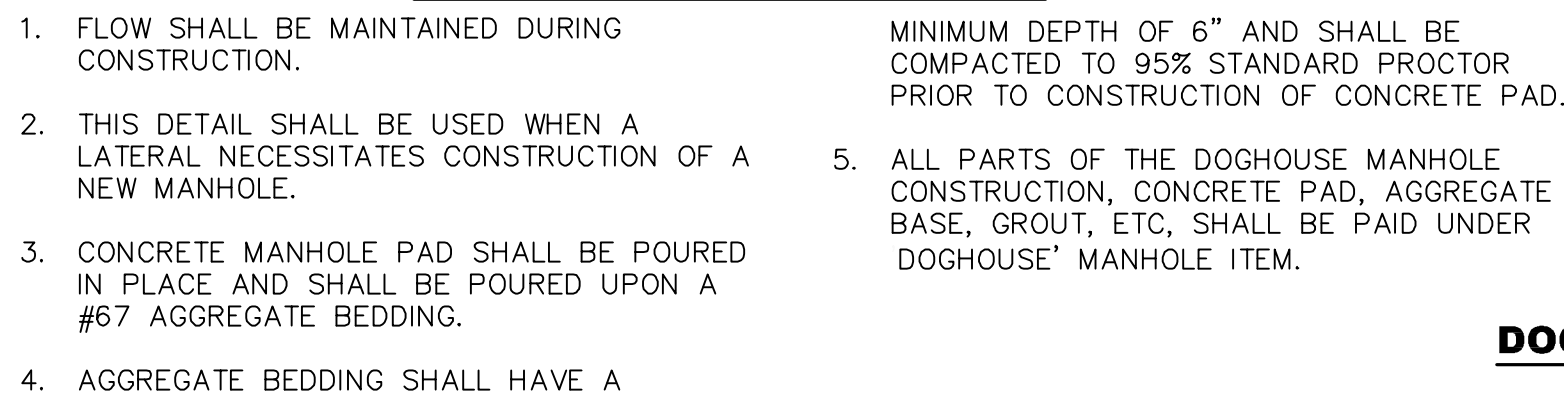


FRONT VIEW

GENERAL NOTES:

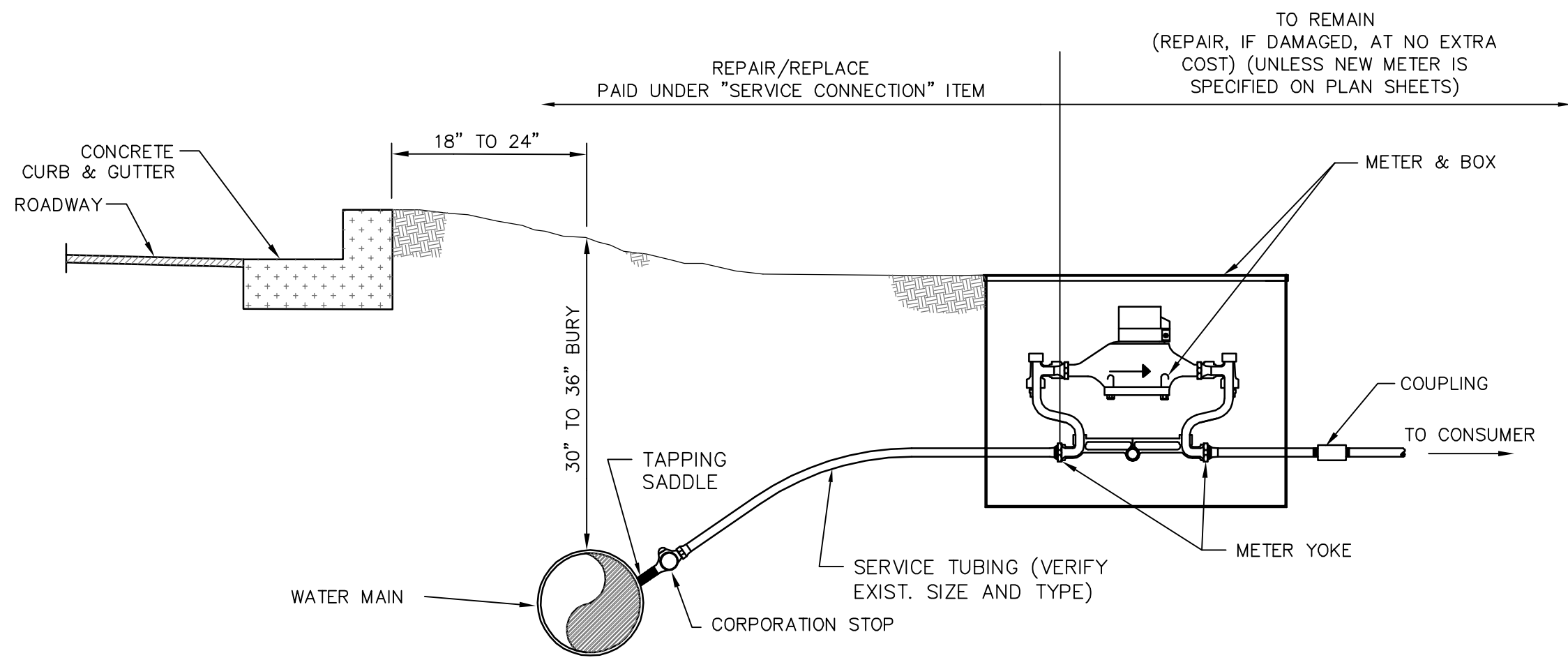
1. ALL ELEMENTS SHALL CONFORM TO PRECAST MANHOLE SPECIFICATION. A.S.T.M. C-478 LATEST REVISION.
2. PRECAST CONCRETE RINGS SHALL BE USED TO BRING MANHOLE FRAME AND COVER TO GRADE USE (11" MAX. RISE).
3. MANHOLES IN PAVED AREAS SHALL BE FURNISHED WITH ADJUSTING RINGS.

NO.	DATE	DESCRIPTION	BY
SEWER INSTALLATION DETAILS			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
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Drawn by:	RES\BT	Checked by:	JTW
Date:	12-11-2017	Scale:	NONE
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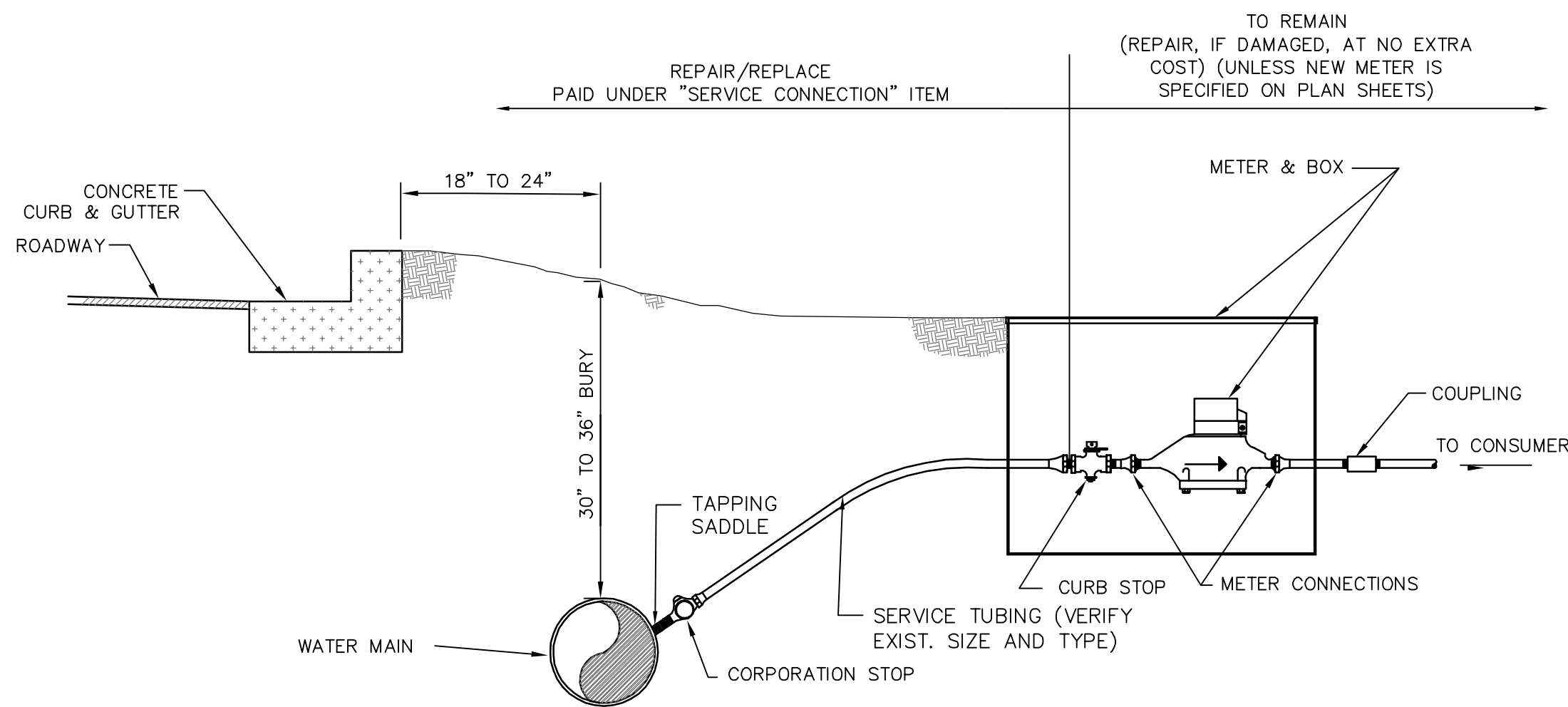


CLEANOUTS SHALL BE PLACED AT ALL BENDS IN SERVICE LINES OVER 22.5' AND ALL CHANGES IN GRADE. CLEANOUTS SHALL BE PLACED AT ROW LINES AS DETAILED.

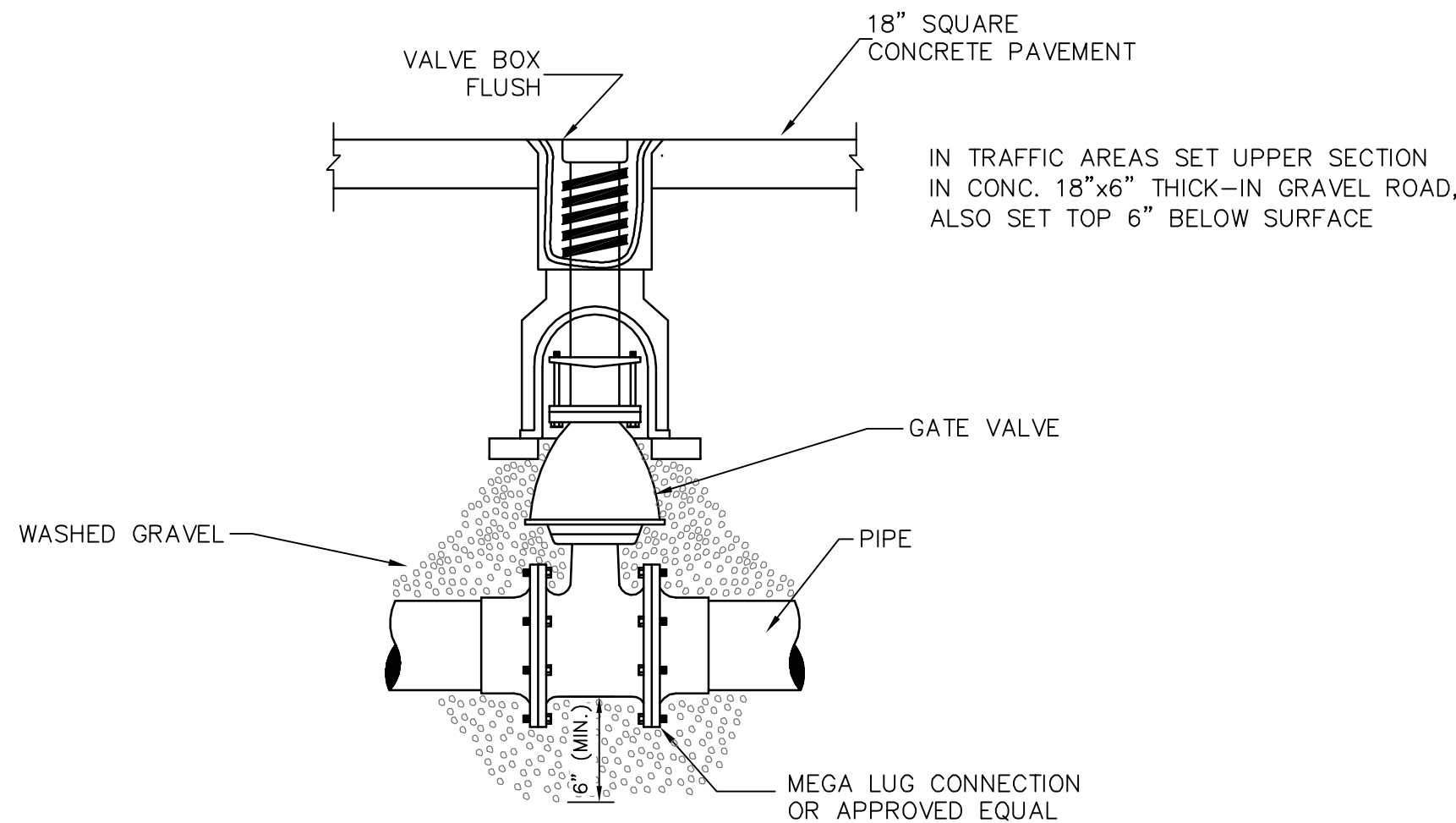
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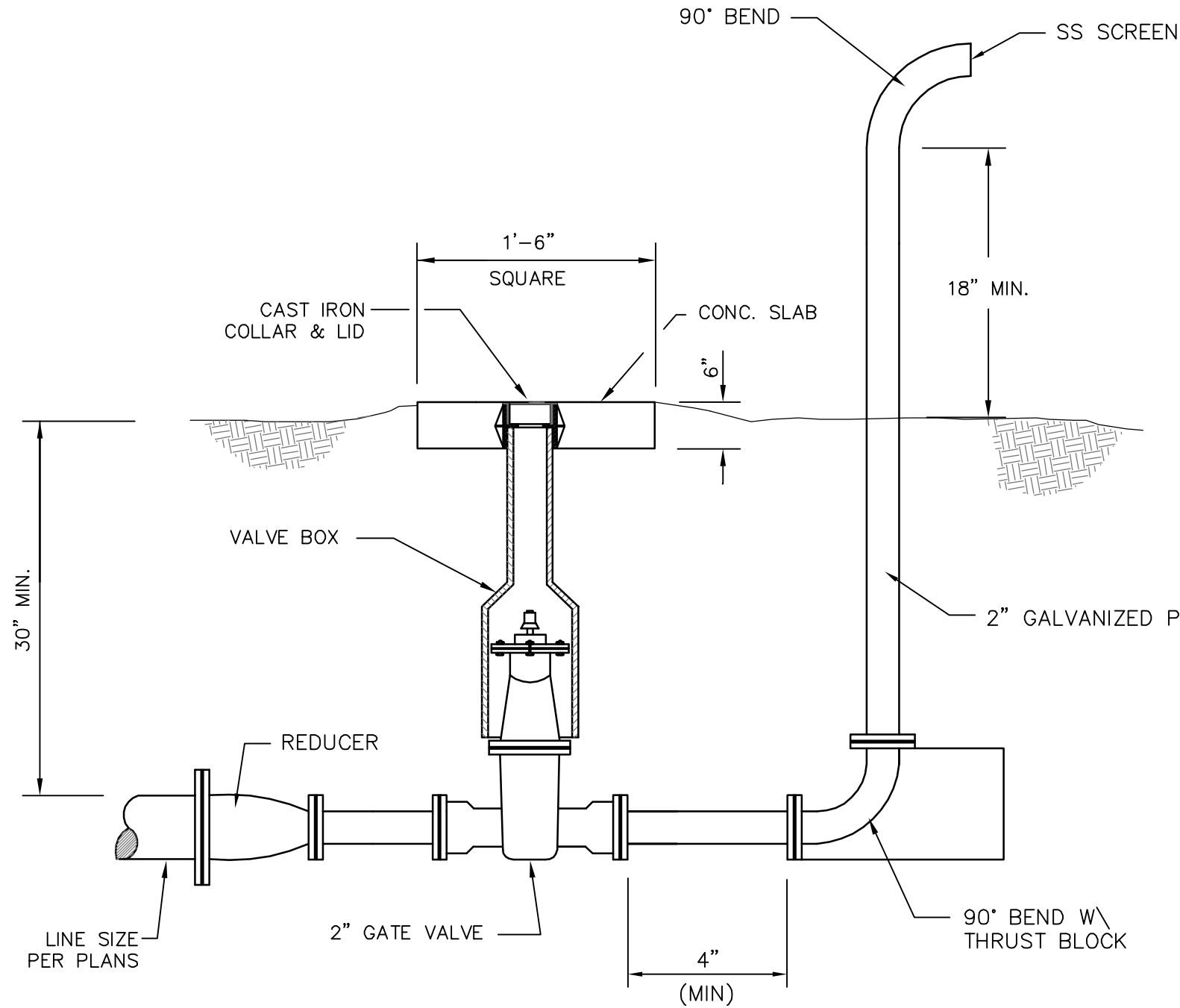
**TYPICAL METER SETTING WITH YOKE
(PREFERRED)**



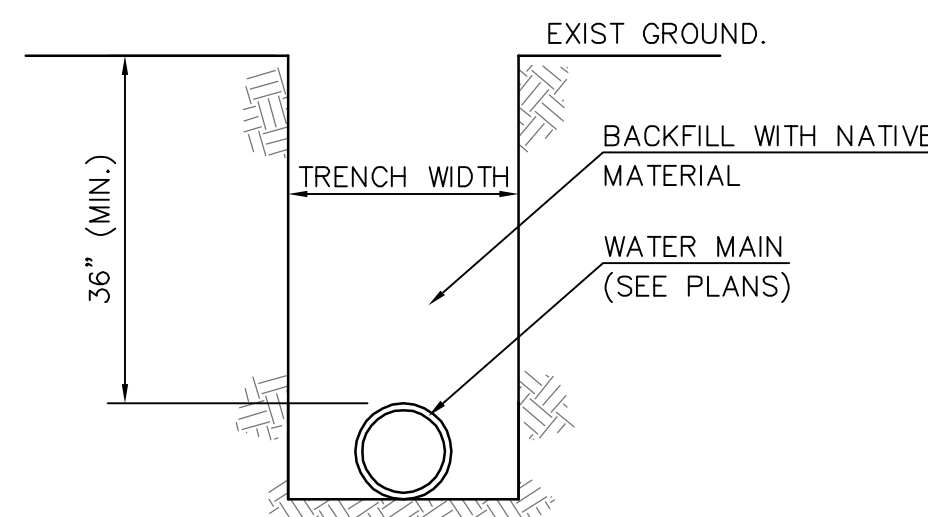
TYPICAL METER SETTING WITHOUT YOKE



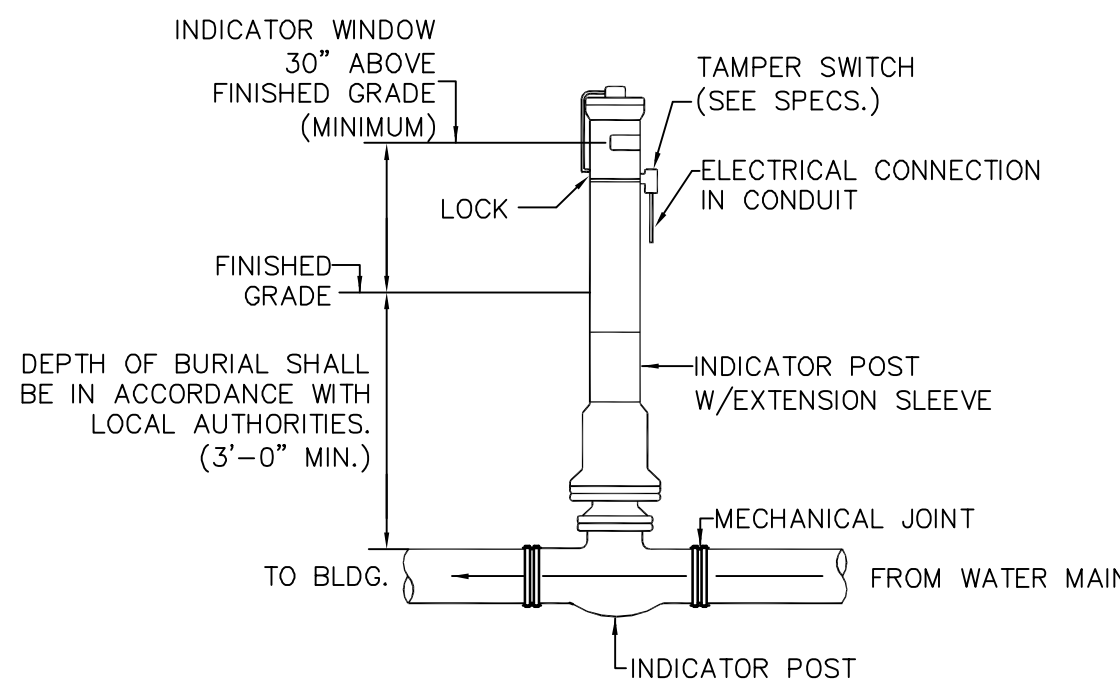
DETAIL OF VALVE & BOX



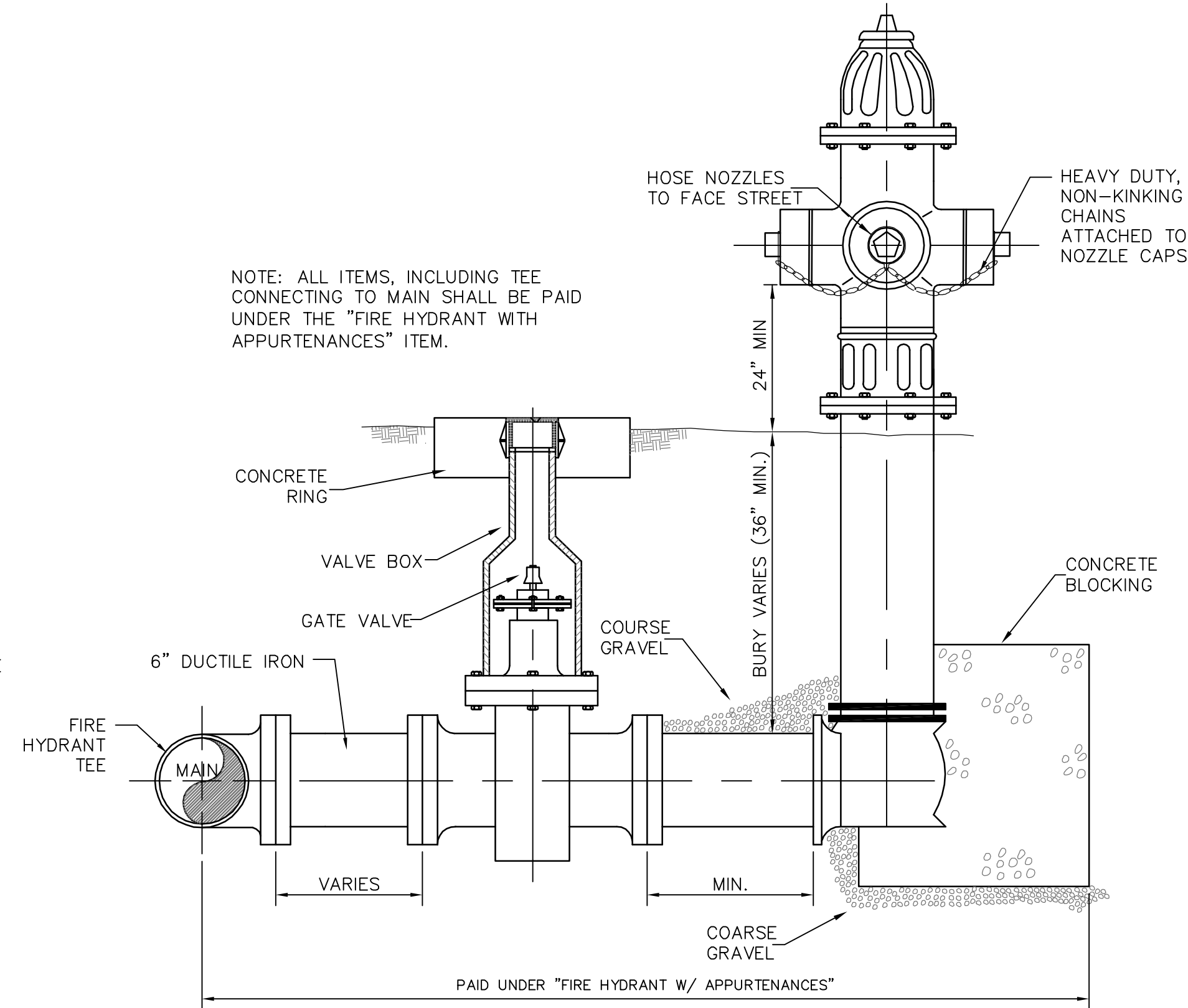
BLOW-OFF VALVE DETAIL



DETAIL OF TRENCH

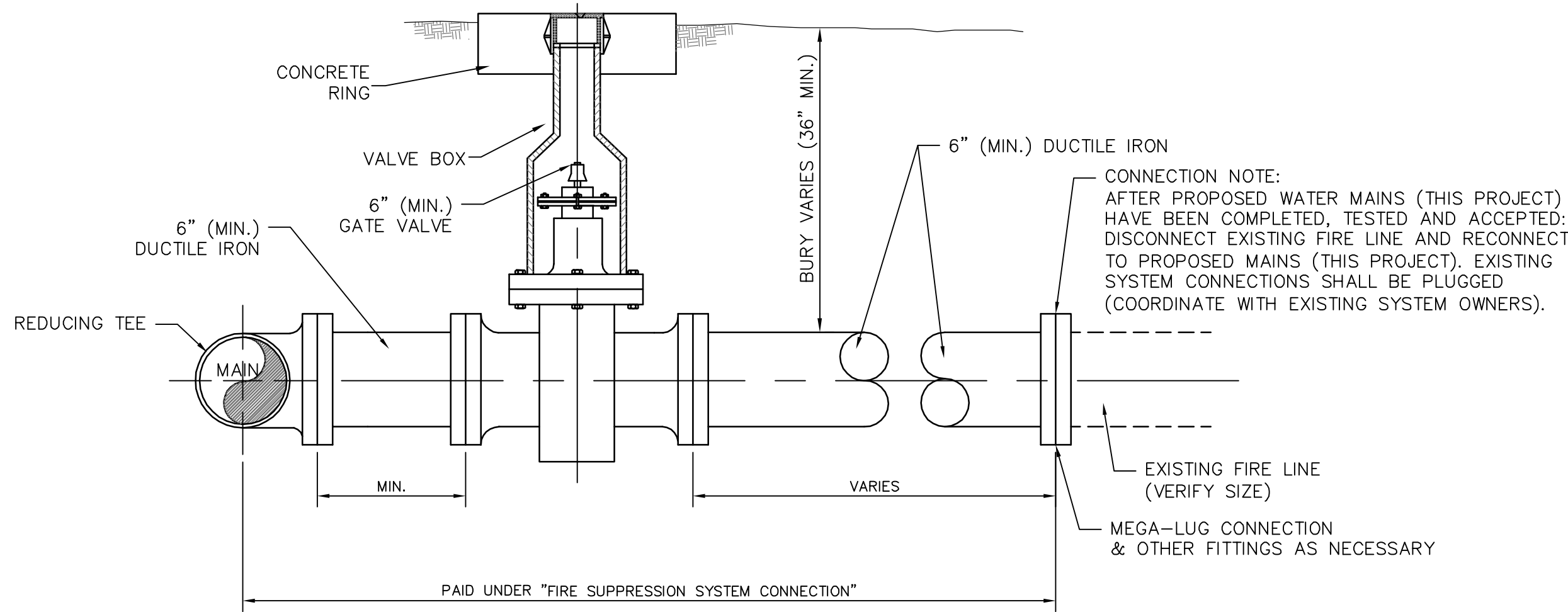


POST INDICATOR VALVE DETAIL



STANDARD 3-WAY FIRE HYDRANT

NOTE: ALL ITEMS, INCLUDING TEE CONNECTING TO MAIN, VALVE, PIPE, CONNECTION TO EXITING FIRE LINE AND DISCONNECTION OF EXISTING FIRE LINE FROM EXISTING SYSTEM MAIN SHALL BE PAID UNDER THE "FIRE SUPPRESSION SYSTEM CONNECTION" ITEM.

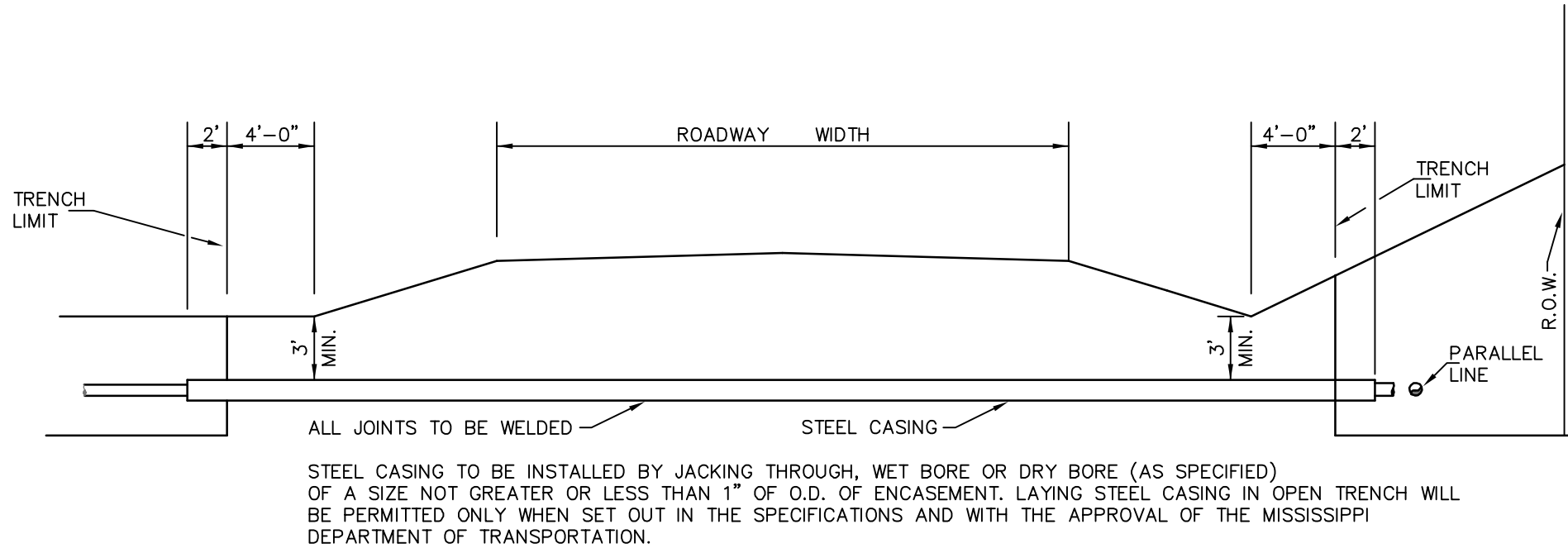


FIRE SUPPRESSION SYSTEM CONNECTION

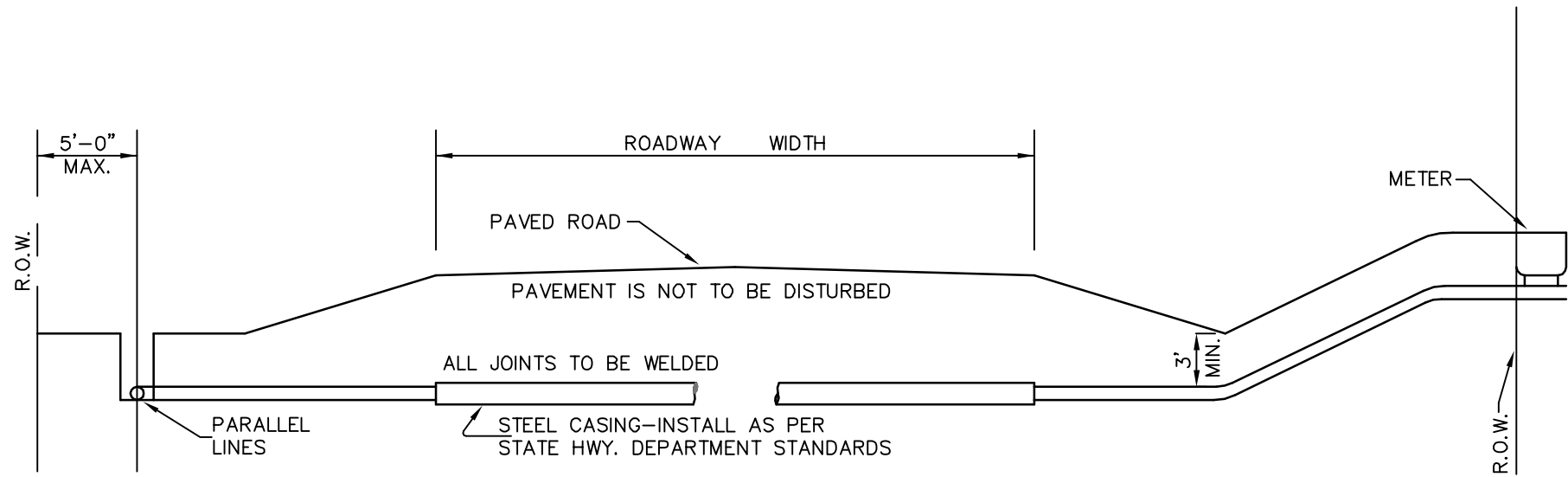
PIV NOTES:

1. POST INDICATOR VALVES SHALL BE REQUIRED AT ALL EXISTING STRUCTURES WHICH ARE BEING CONNECTED TO THE PROPOSED SYSTEM UNDER THIS PROJECT. IF THE EXISTING PIV IS DAMAGED AND/OR INOPERABLE OR IF NO PIV IS IN PLACE AT THE TIME OF CONNECTION.
2. LOCATIONS FOR PROPOSED PIV'S SHALL BE AS DIRECTED BY THE ENGINEER BUT SHALL BE AT LEAST 40 FEET FROM THE EXISTING STRUCTURE AND CLEARLY VISIBLE.
3. POST INDICATOR VALVES SHALL BE INSTALLED AS PER THE MANUFACTURER'S SPECIFICATIONS AND AS DETAILED HERE.
4. ALL ITEMS, INCLUDING POSSIBLE INSTALLATION ON EXISTING FIRE LINE SHALL BE PAID UNDER THE "POST INDICATOR VALVE" ITEM.

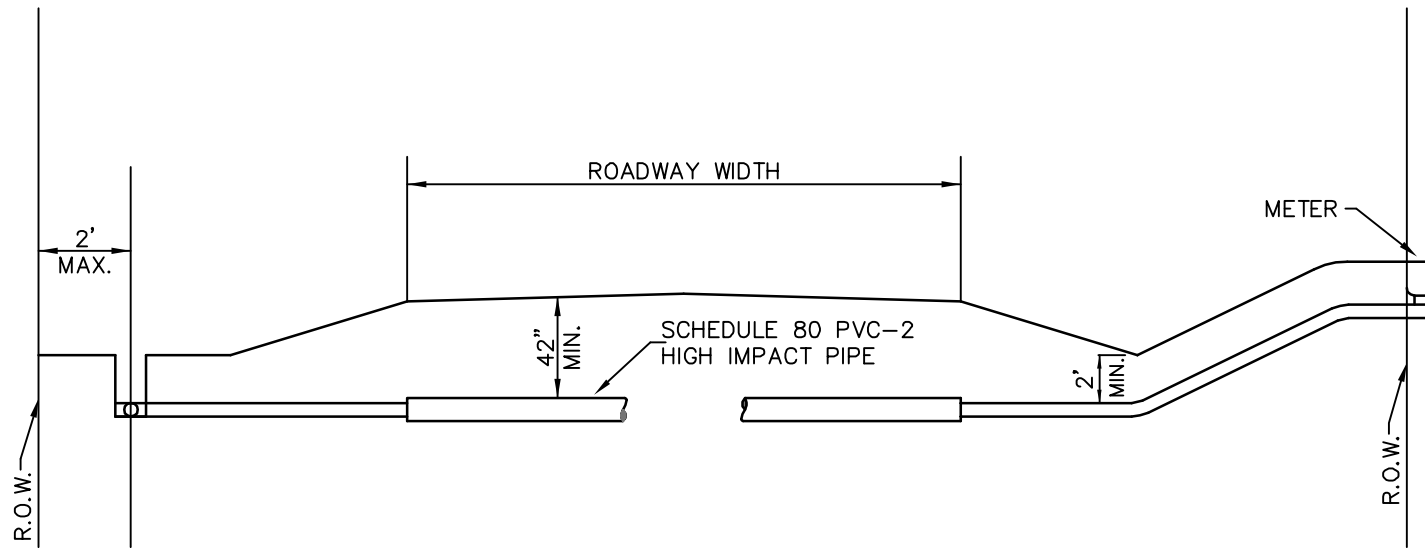
NO.	DATE	DESCRIPTION	BY
WATER INSTALLATION DETAILS			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by:	RES\BT	Checked by:	JTW
Date:	12-11-2017	Working No.:	WTRD1
Drawing No.:	1273-S010	Sheet No.:	65



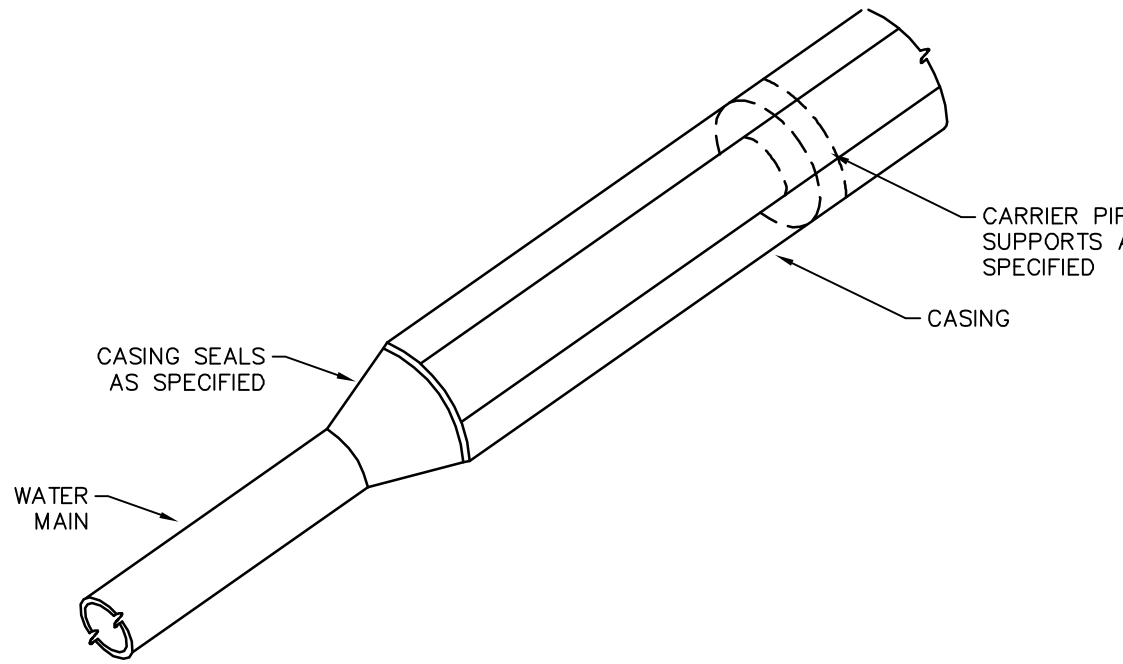
HIGHWAY CROSSING & WATER LINE PARALLELING HWY. IN R.O.W.



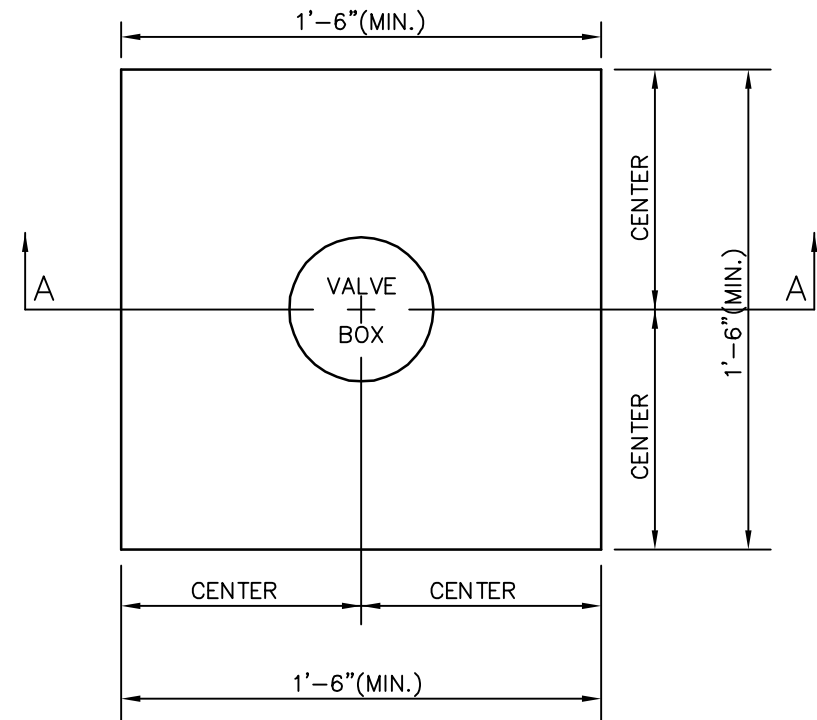
ROAD BORE & WATER LINE PARALLELING ROAD IN R.O.W.



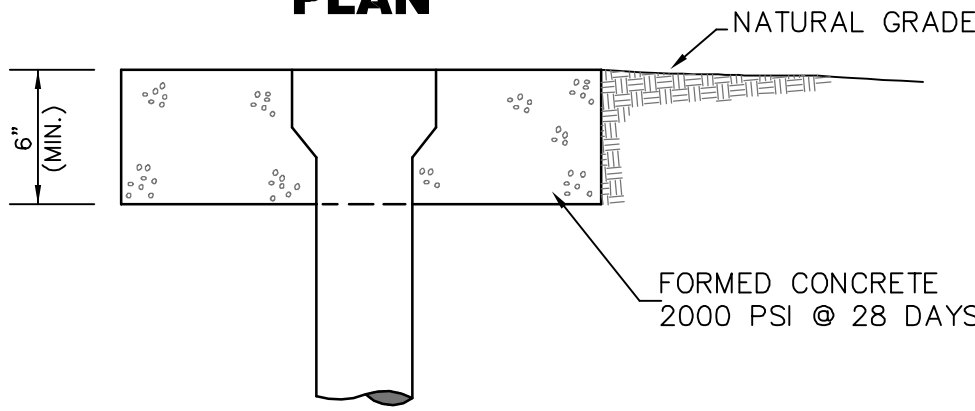
COUNTY GRAVEL ROAD & WATER LINE PARALLELING ROAD IN R.O.W.



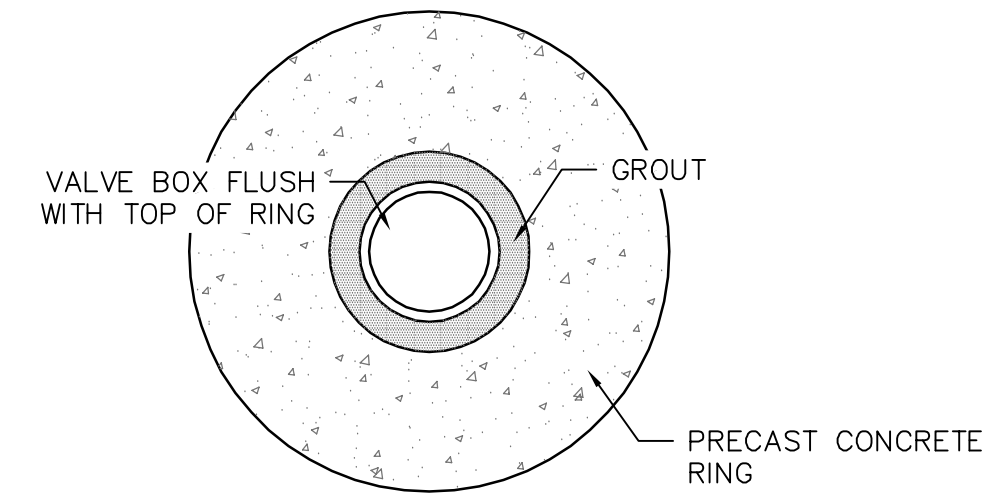
CASING END DETAIL



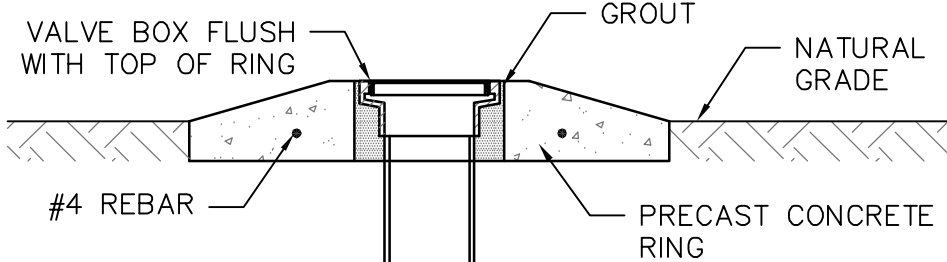
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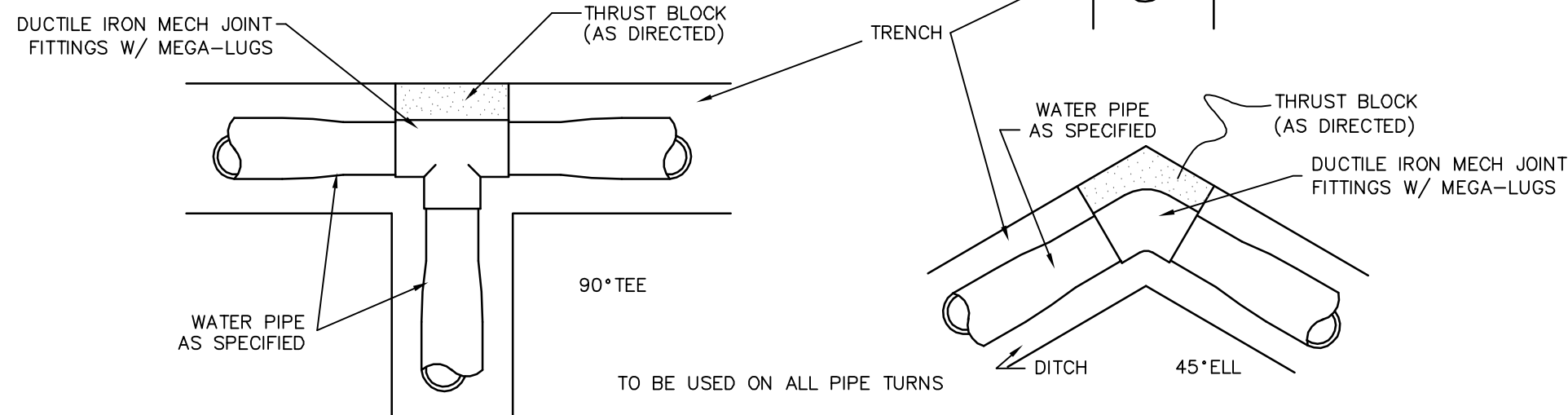
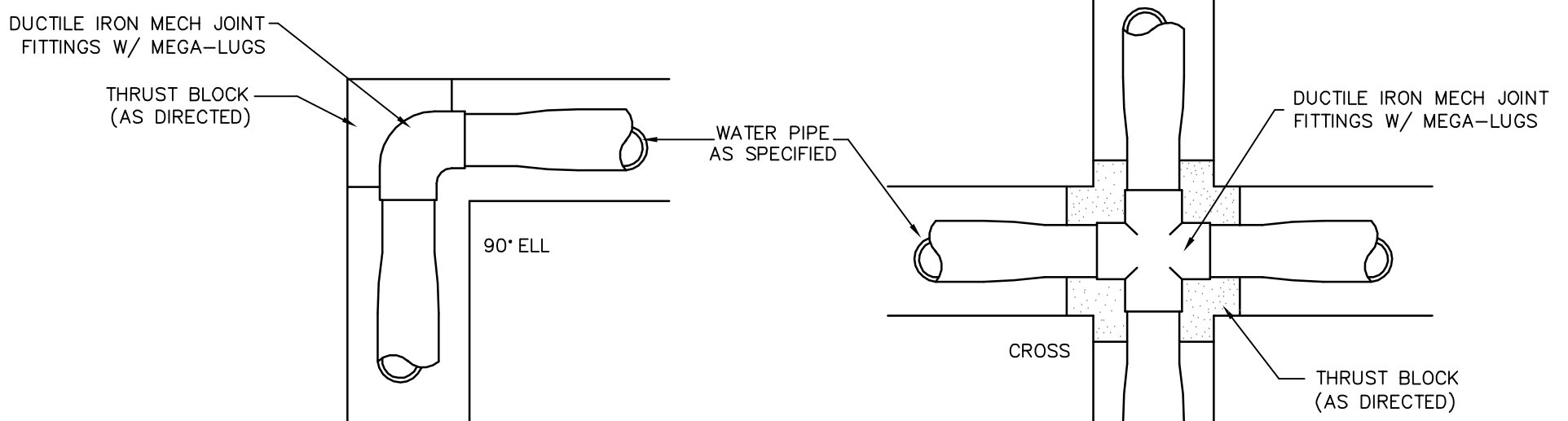
SECTION VALVE LOCATION (PAVED AREA)



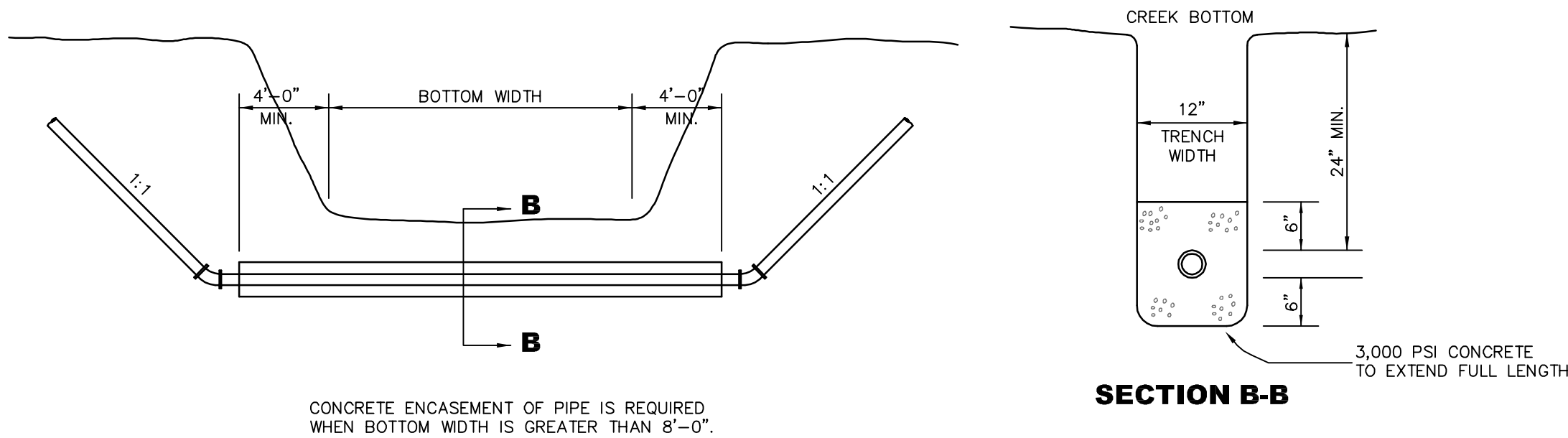
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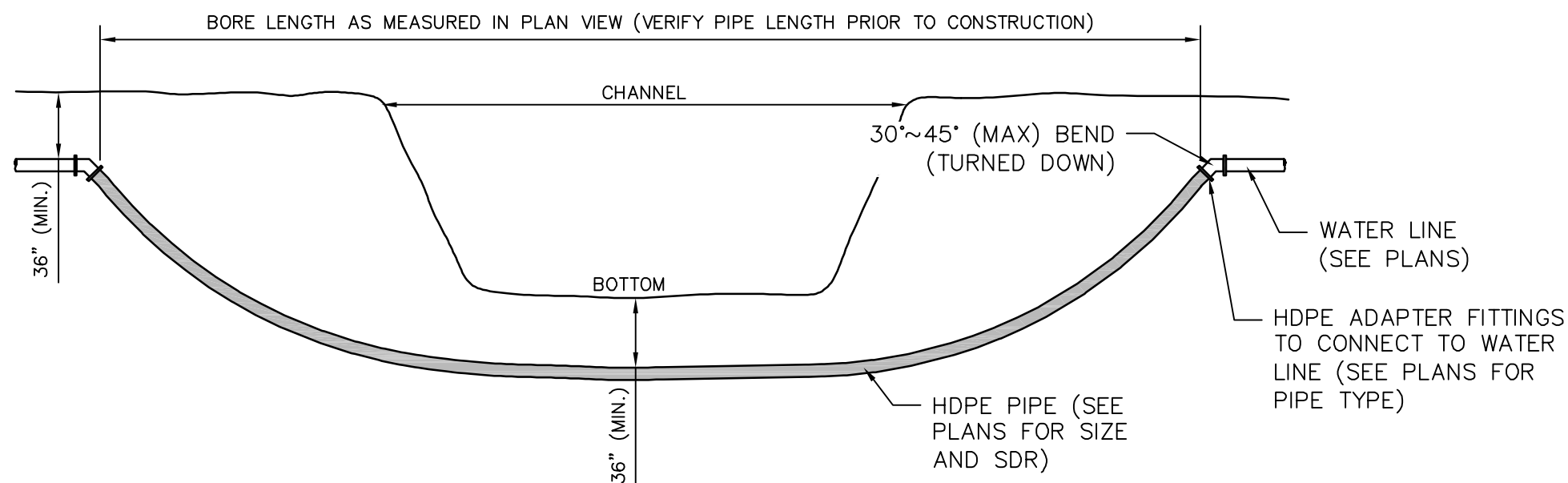
SECTION VALVE LOCATION (NON PAVED AREA)



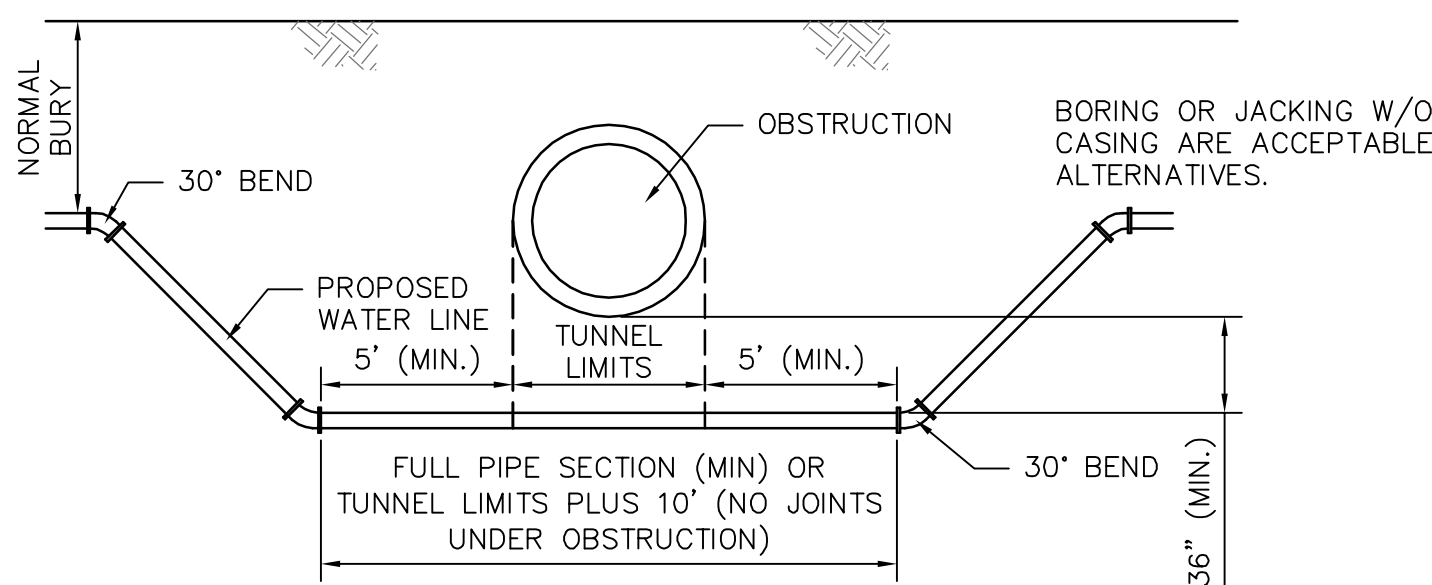
THRUST BLOCK DETAILS



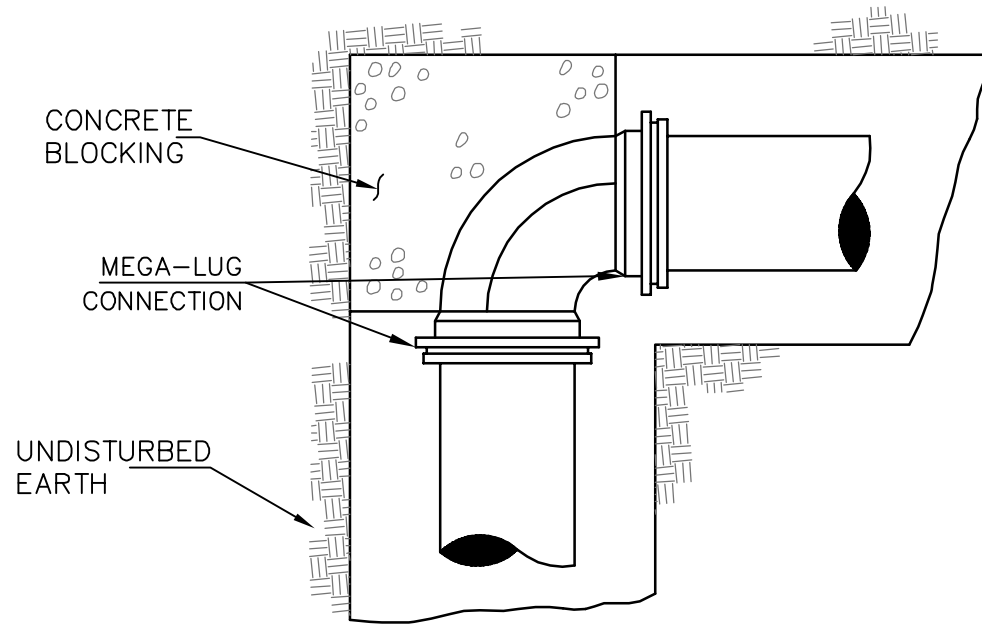
OPEN CUT CHANNEL CROSSING DETAIL



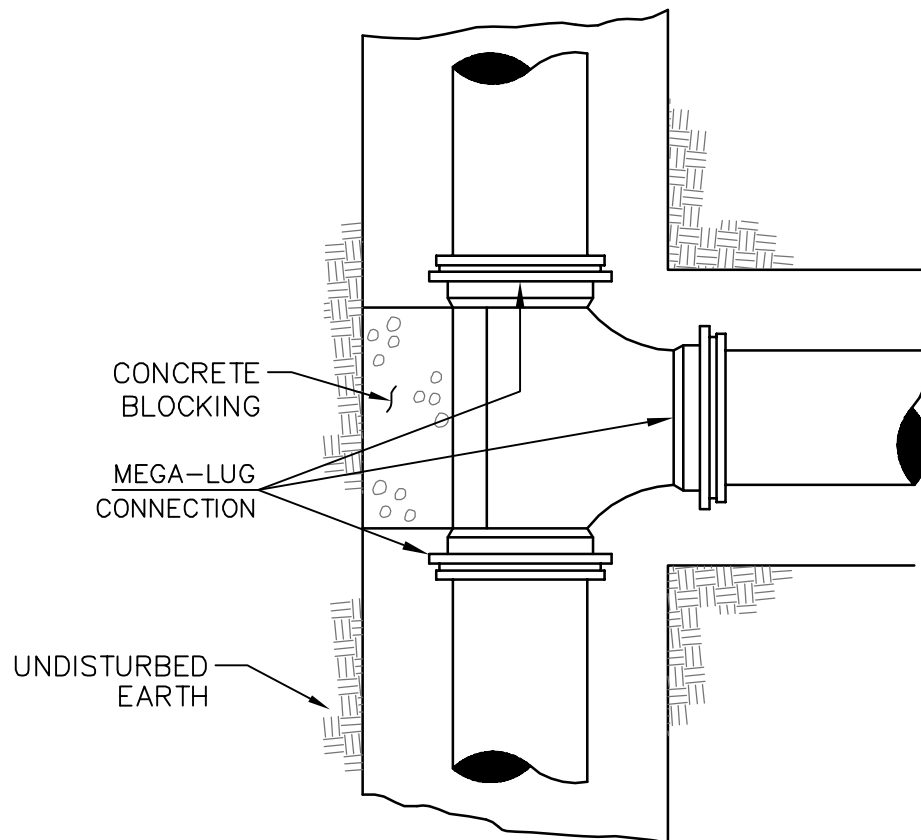
DIRECTIONAL BORED CHANNEL CROSSING DETAIL



OBSTRUCTION CROSSING DETAIL



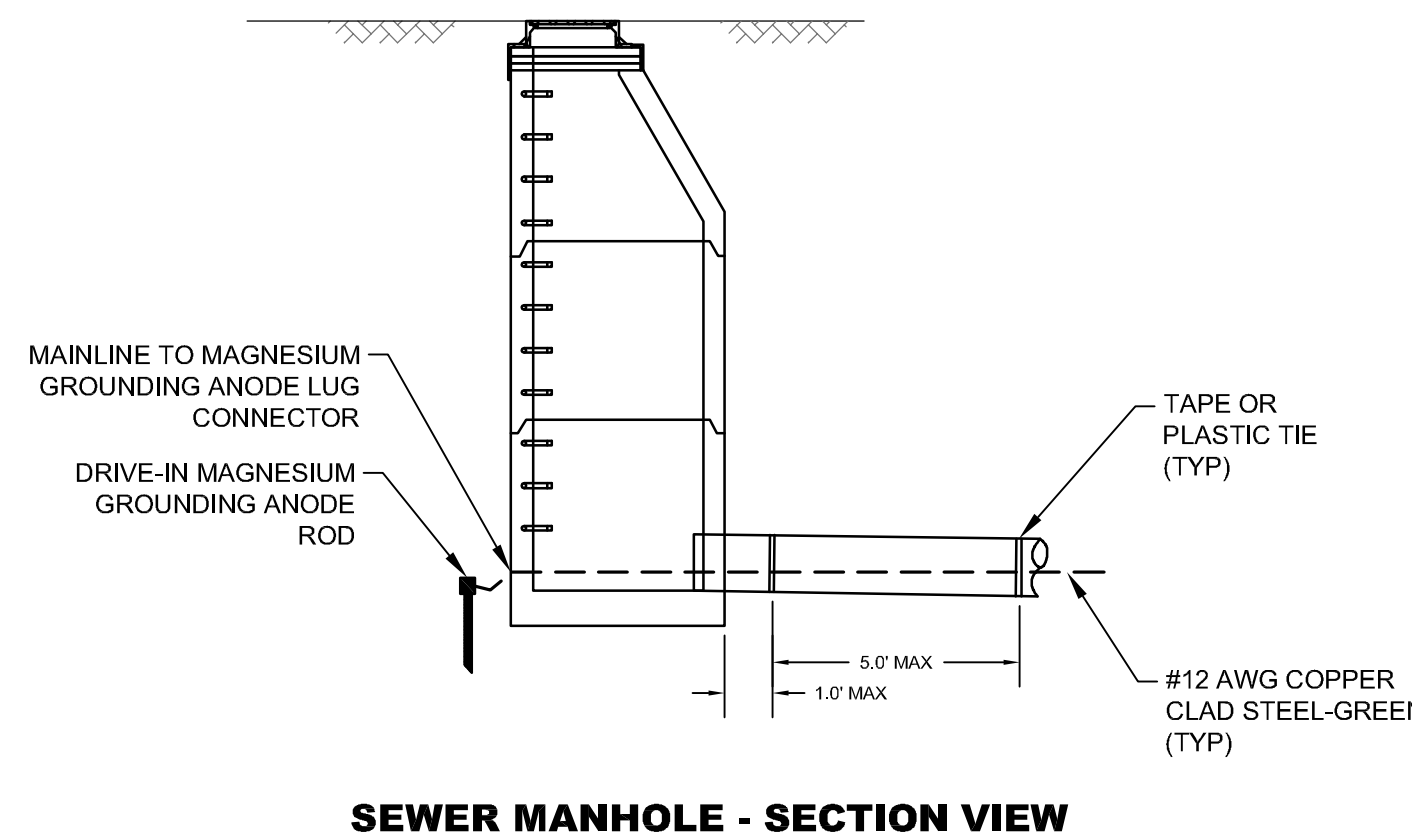
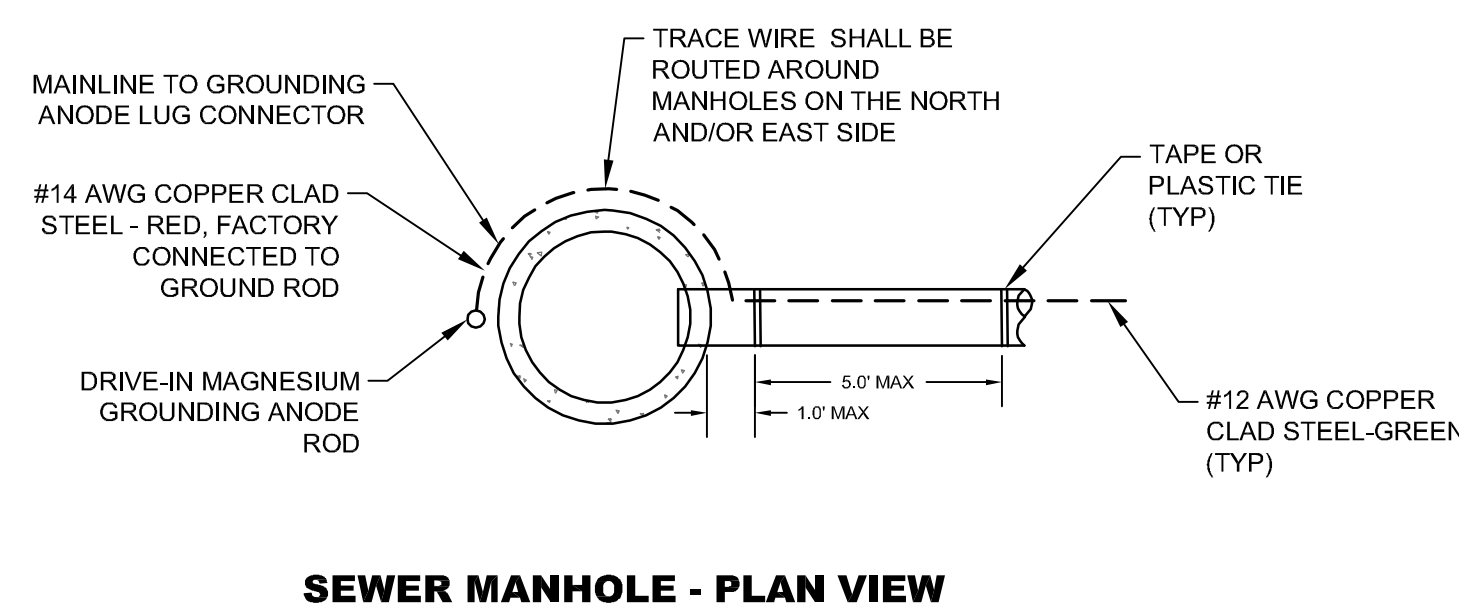
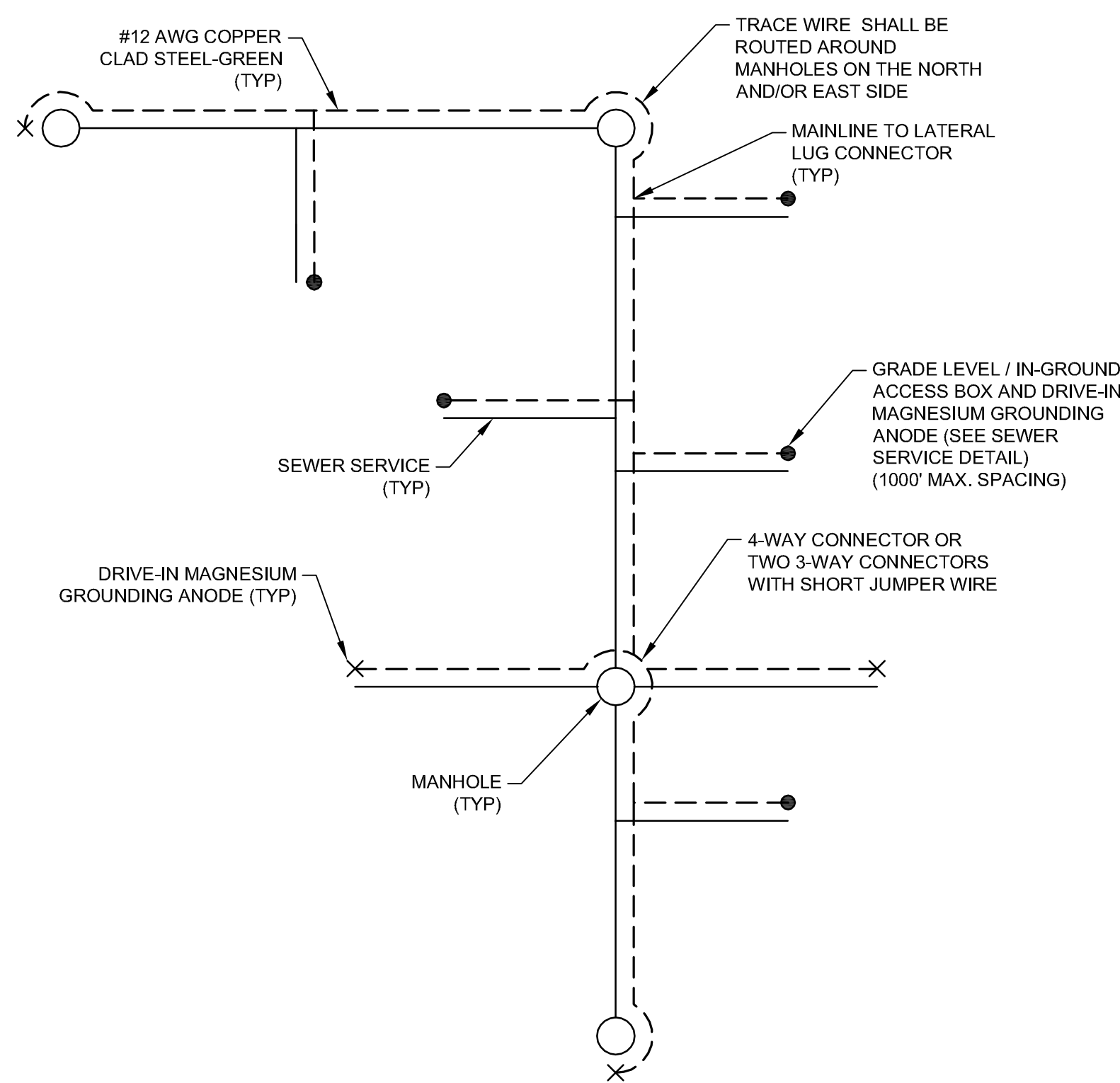
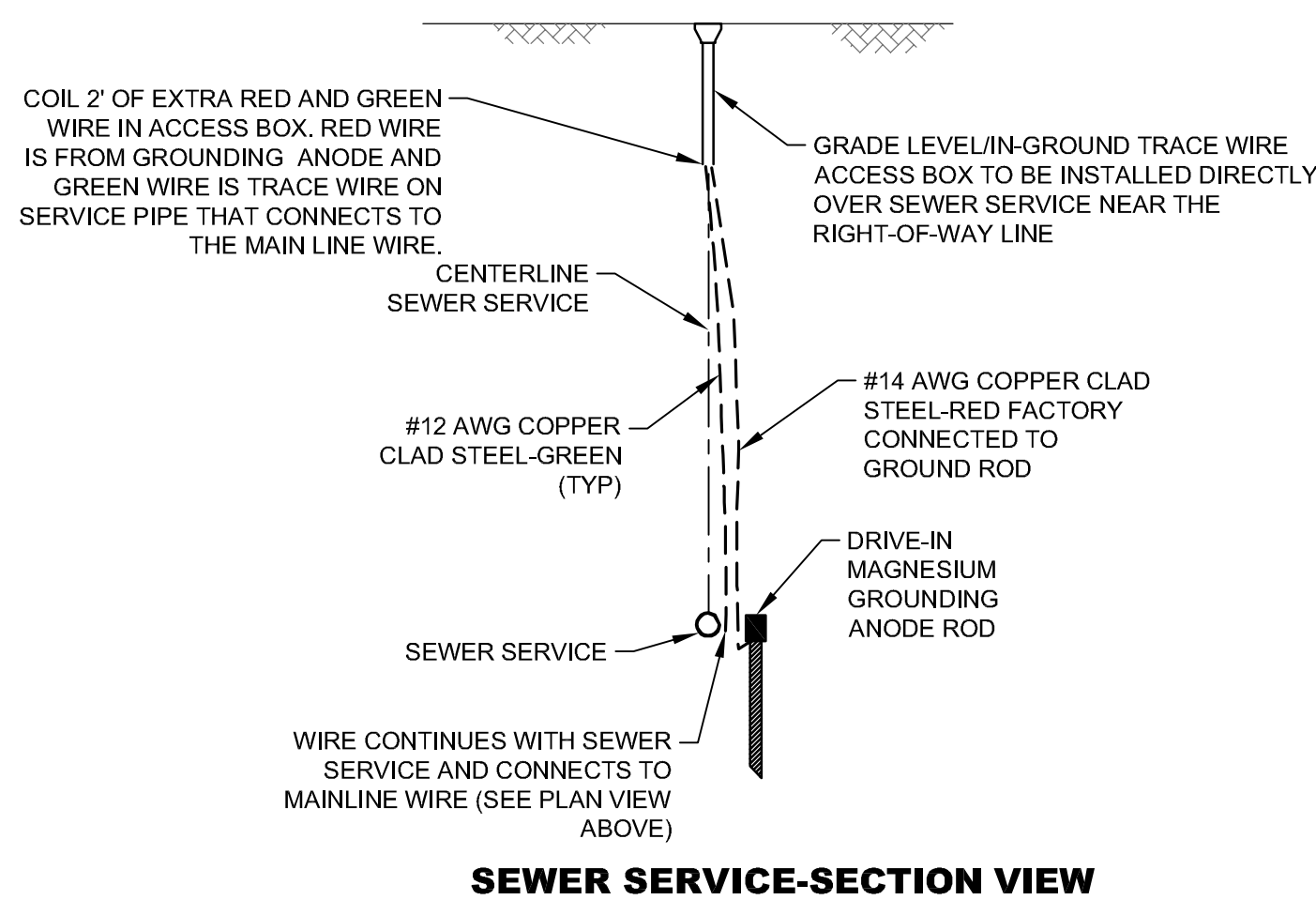
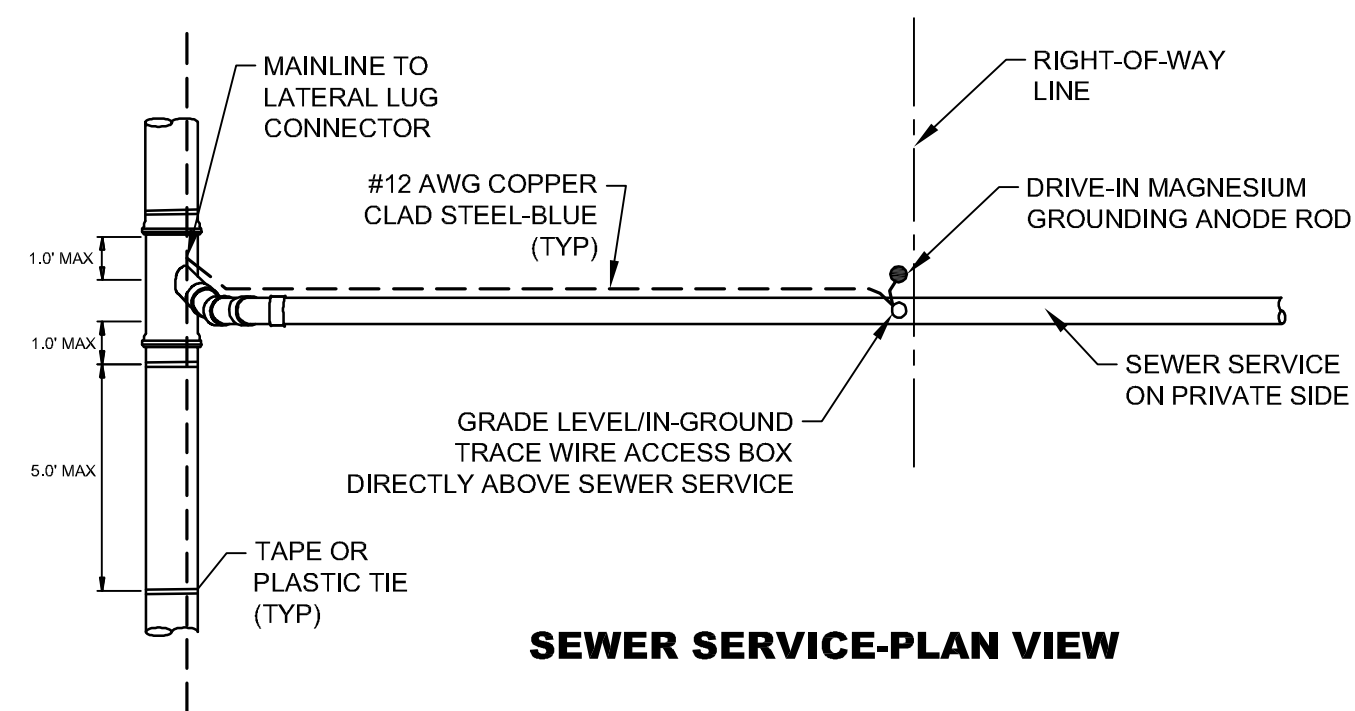
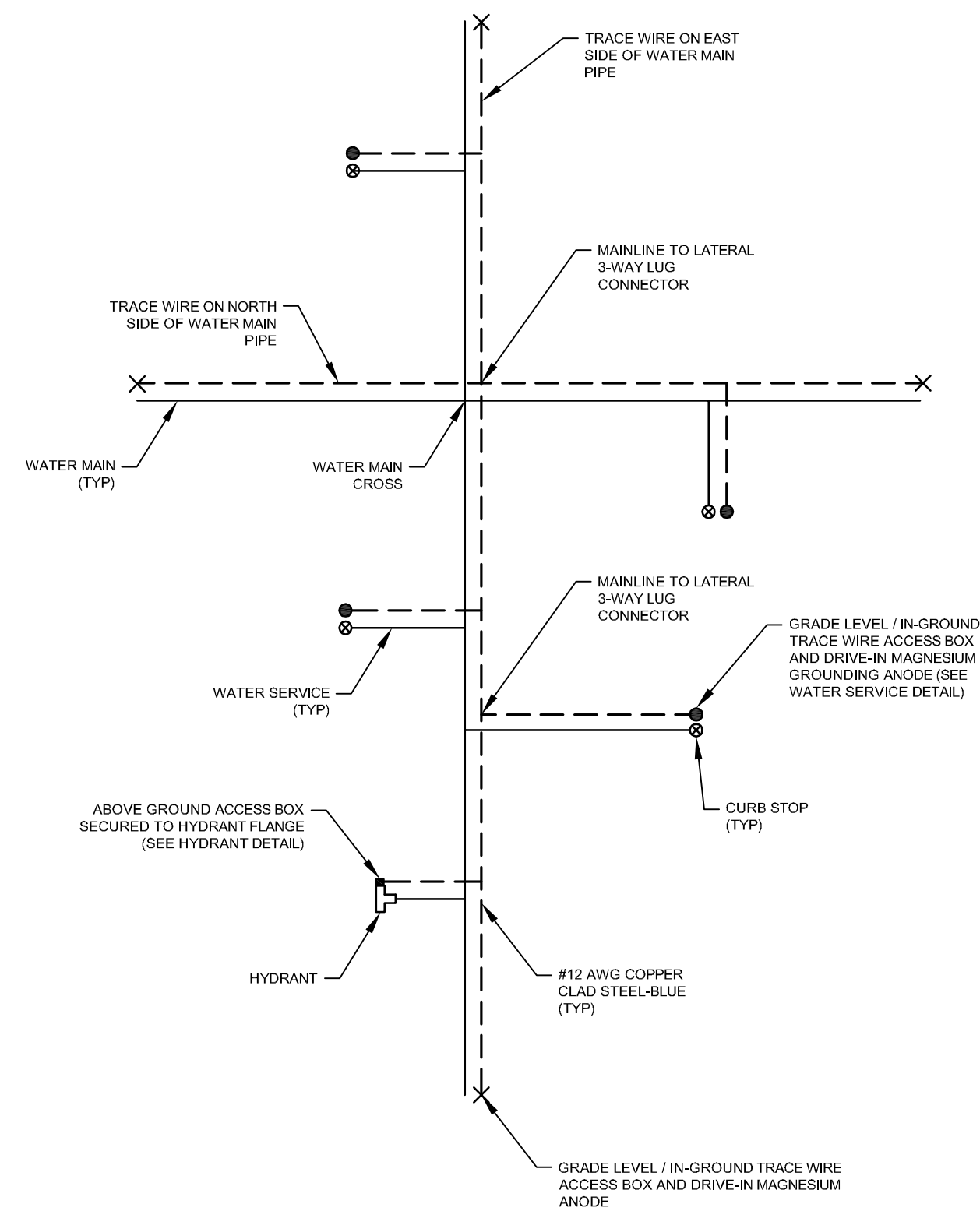
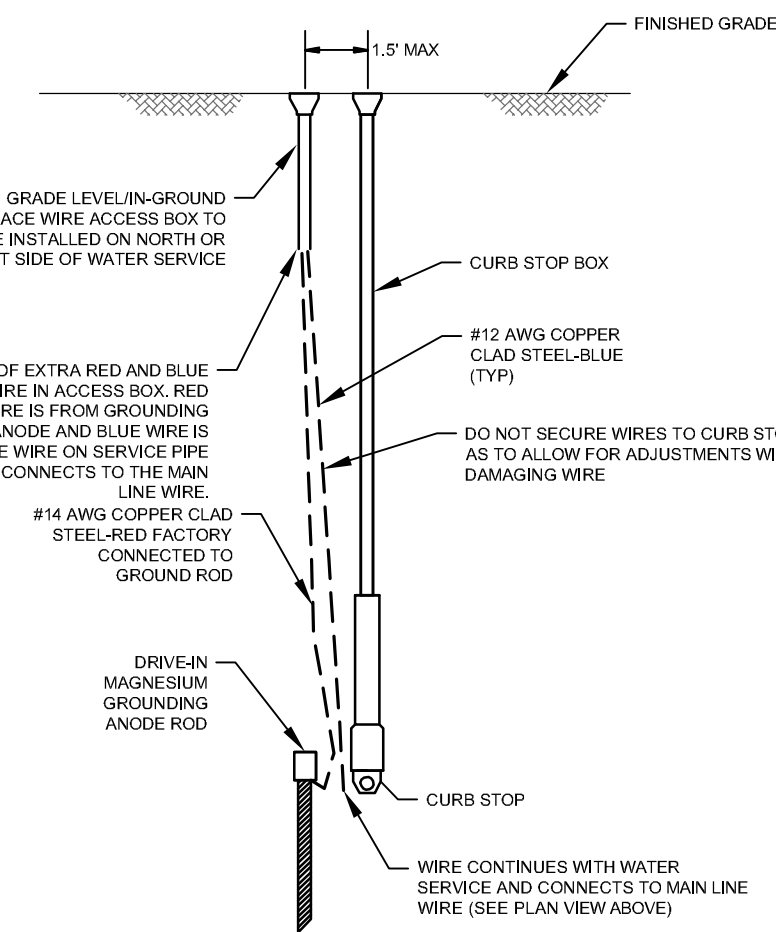
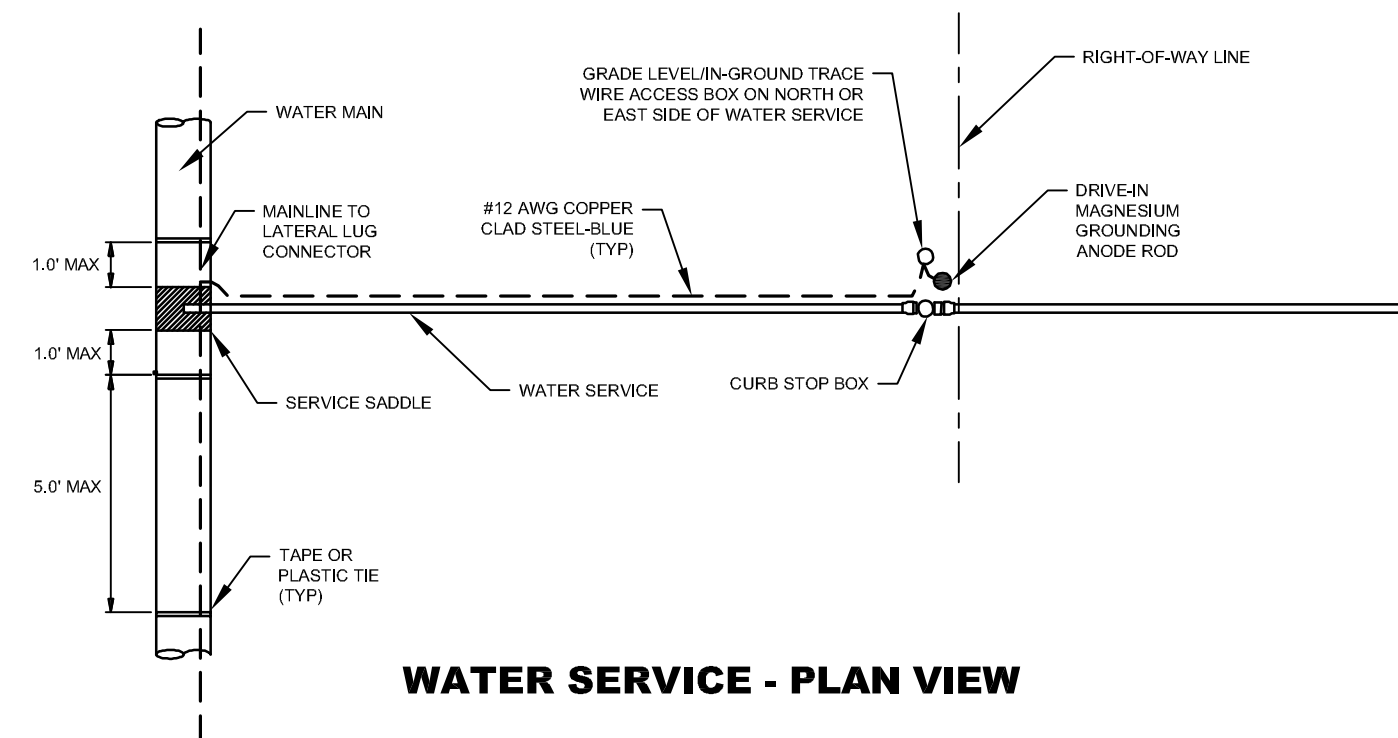
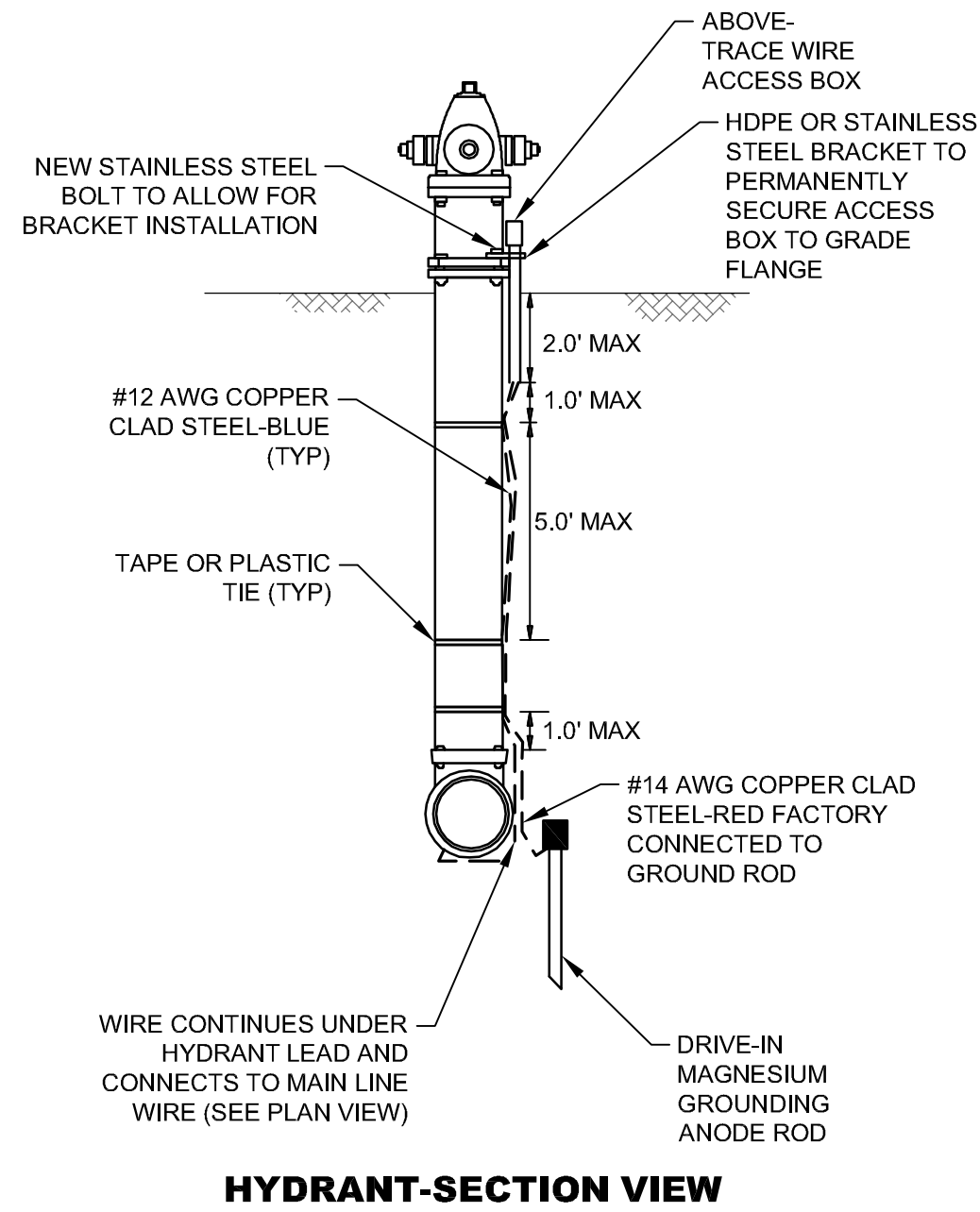
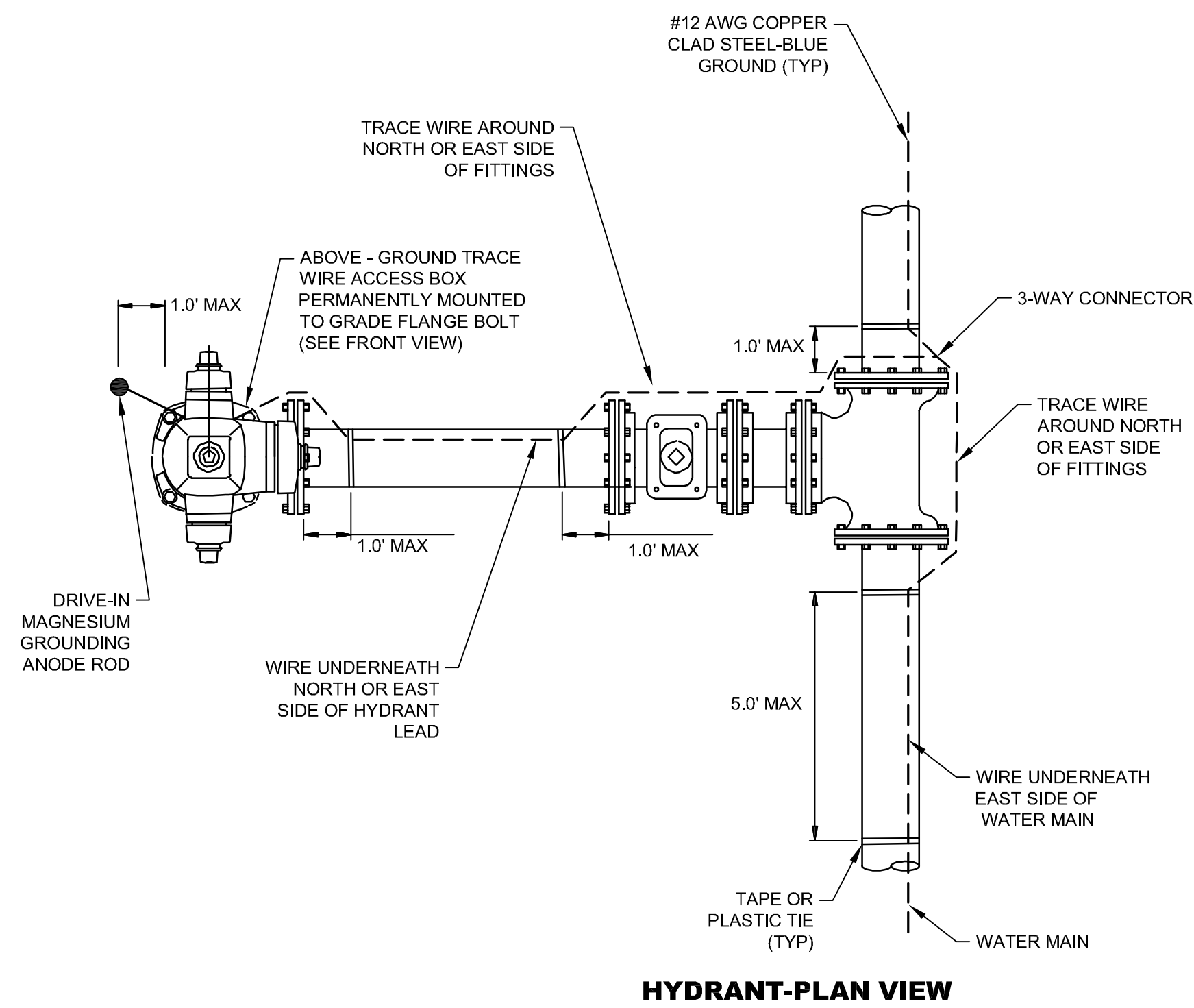
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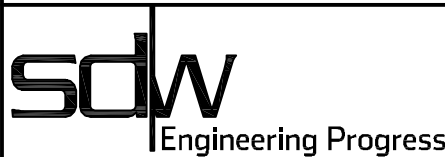
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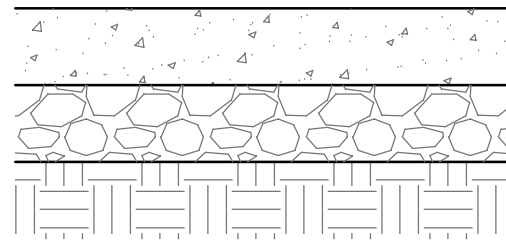
NO.	DATE	DESCRIPTION	BY
WATER INSTALLATION DETAILS			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress			
301 Second Ave. Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: RES\BT		Checked by: JTW	Scale: NONE
Date: 12-11-2017		Working No.: WTRD2	
Drawing No.: 1273-S010		Sheet No.: 66	

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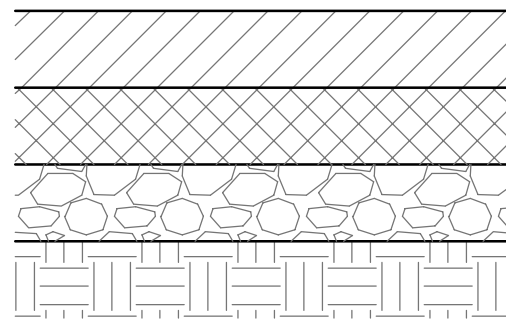


NOTE:
WIRE SHOWN AWAY FROM PIPE FOR CLARITY. WIRE SHALL BE INSTALLED ON THE BOTTOM SIDE OF THE PIPE BELOW THE SPRING LINE. THE WIRE SHALL BE FASTENED TO THE PIPE WITH TAPE OR PLASTIC TIES AT 5' INTERVALS.

NO.	DATE	DESCRIPTION	BY
TRACER WIRE DETAILS			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: SLS		Checked by: JTW	Scale: NONE
Date: 12-11-2017		Working No. TWD1	
Drawing No.: 1273-S010		Sheet No. 67	



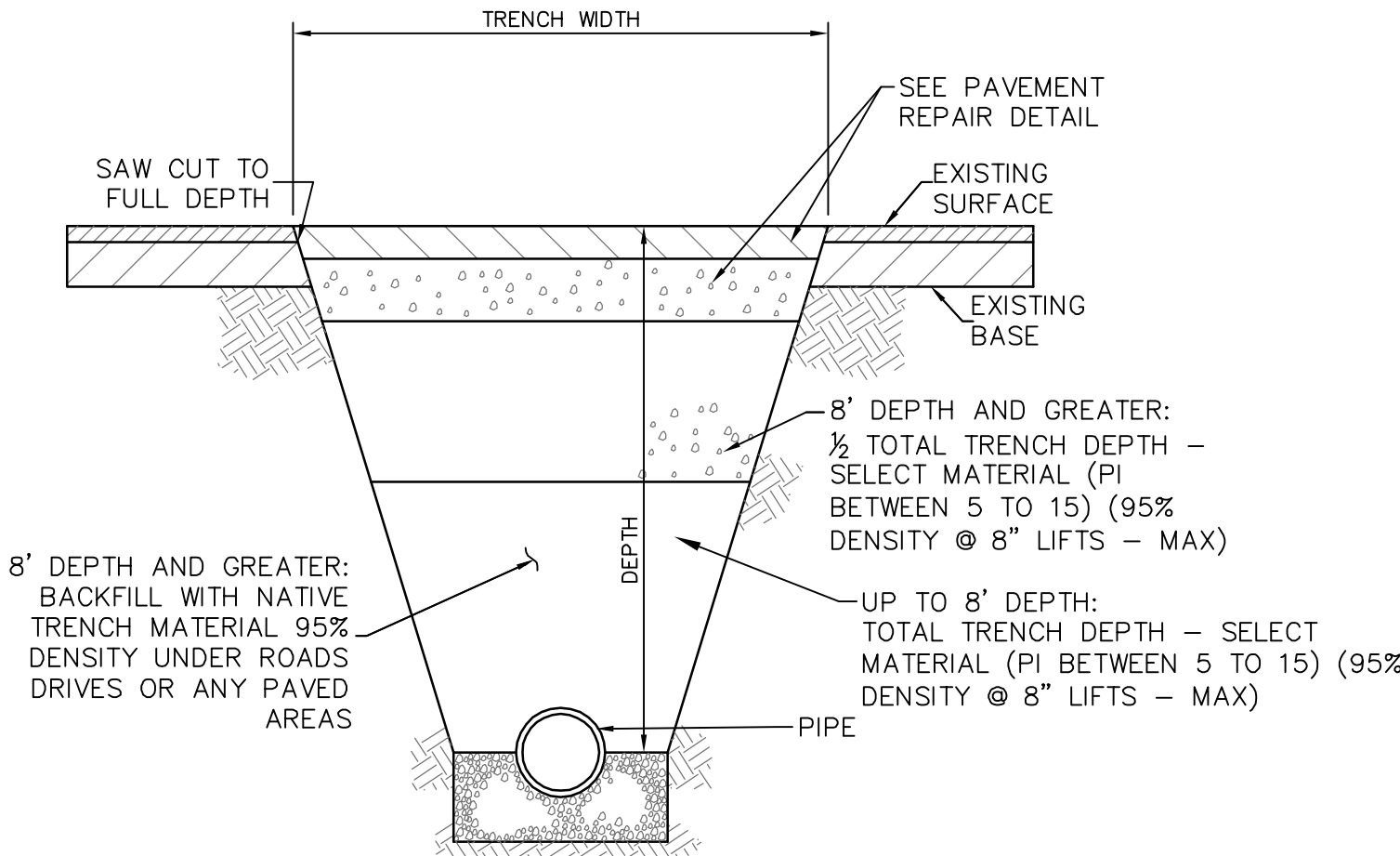
TYPICAL CONCRETE PAVEMENT REPAIR



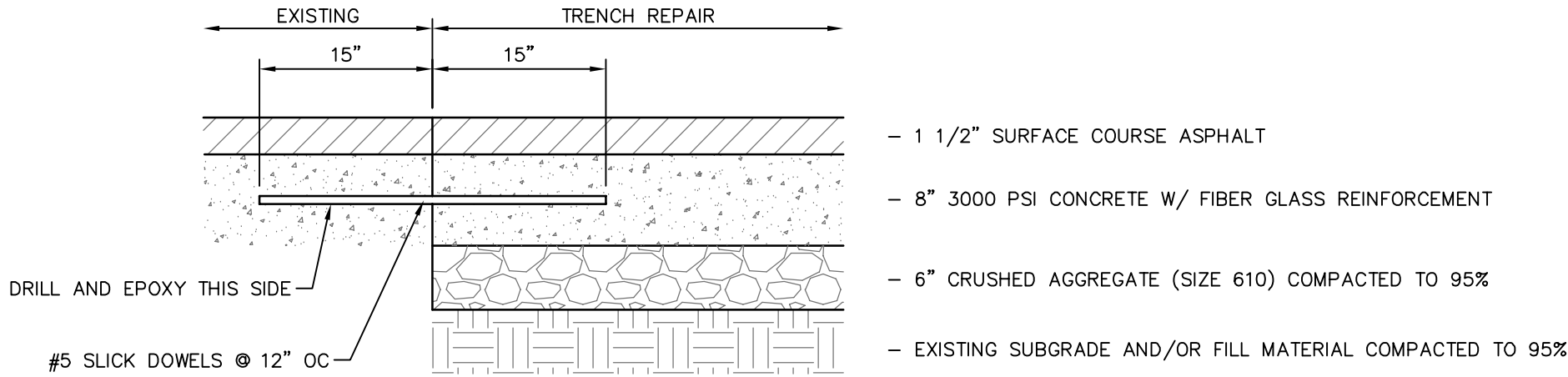
TYPICAL ASPHALT PAVEMENT REPAIR

- PAVEMENT REPAIR NOTES:
- PAVEMENT REPAIR SHALL BE MEASURED BY THE LENGTH OF THE TRENCH IN THE PAVED AREA AND 5'-0" (MAX.) WIDTH AS MEASURED PERPENDICULAR TO THE INSTALLED WATER LINE.
 - TRENCHES SHALL HAVE A TEMPORARY SURFACE OF CRUSHED AGGREGATE (SIZE 610) TEMPORARY SURFACE INSTALLED FOR A PERIOD OF TIME TO BE DETERMINED BY THE ENGINEER AND REMOVED PRIOR TO PAVING (NO SEPARATE PAY)

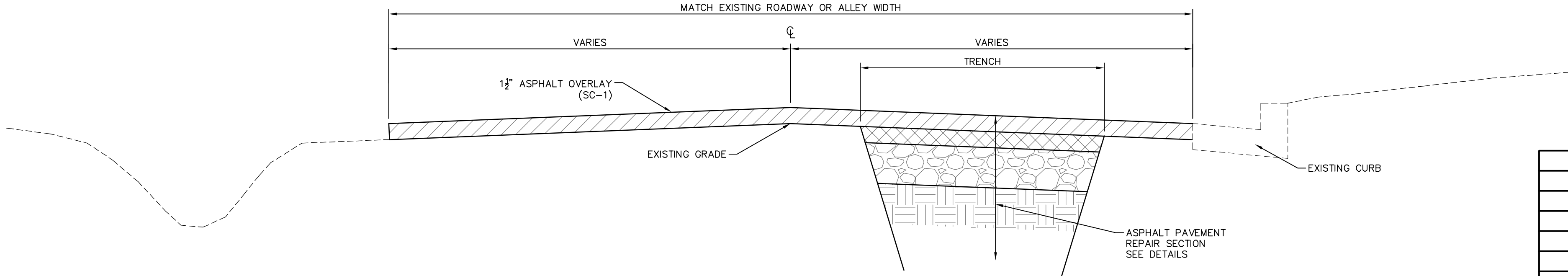
SPECIAL PAVEMENT REPAIR NOTE:
NO PAVEMENT SHALL BE INSTALLED ON CAMP STREET. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A TEMPORARY AGGREGATE SURFACE FOR THE DURATION OF THE PROJECT.



TYPICAL TRENCH IN ROADWAY DETAIL



TYPICAL HARDY STREET PAVEMENT REPAIR



TYPICAL ROADWAY REPAIR SECTION

NO.	DATE	DESCRIPTION	BY
PAVEMENT REPAIR DETAILS			
COMSWIP SEWER PROJECT PHASE VIII			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
 Engineering Progress			
301 Second Ave. Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: SLS		Checked by: JTW	Scale: NONE
Date: 12-11-2017		Working No. <u>PRD1</u>	
Drawing No.: 1273-S010		Sheet No. <u>68</u>	

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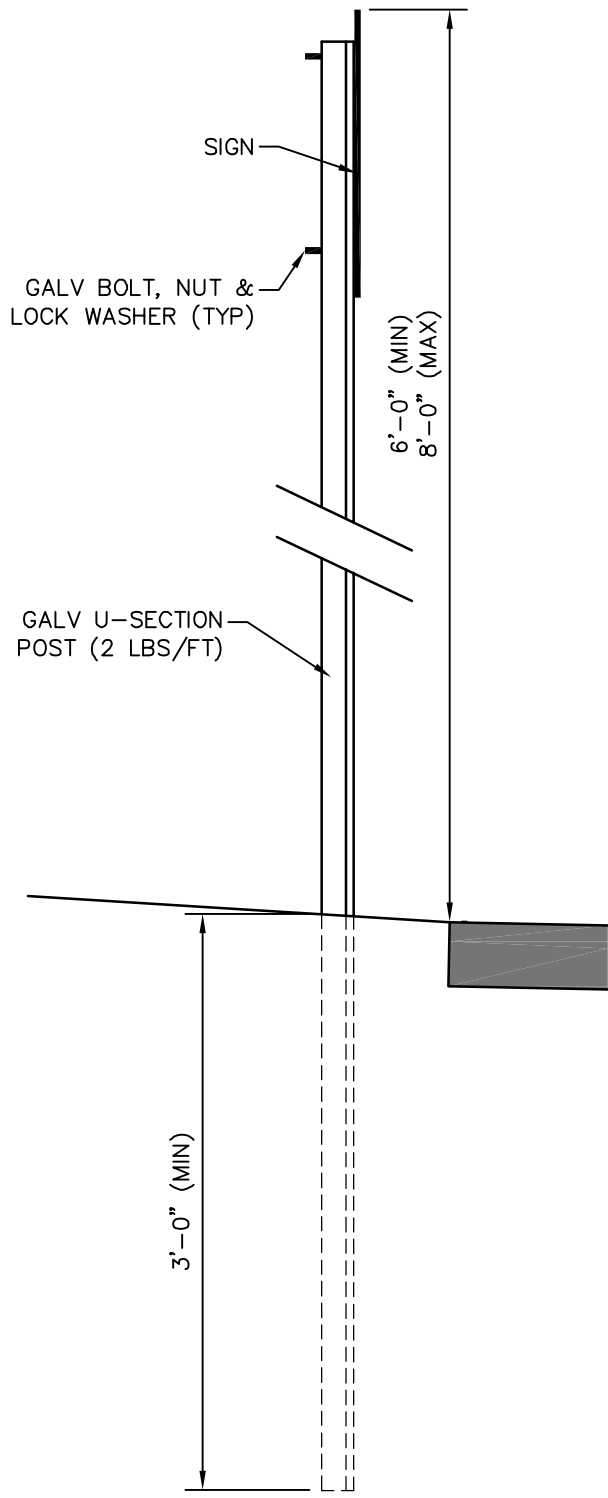
VEGETATION SCHEDULE						
EROSION CONTROL ITEMS		SEASONAL APPLICATIONS - DATES & RATES				REQUIREMENTS
		SPRING & SUMMER		FALL & WINTER		
	ITEMS	RATES	DATES	RATES	DATES	
	TOPSOIL FOR SLOPE TREATMENT (LVM)	4" THICK	MARCH 1 TO SEPTEMBER 1	4" THICK	SEPTEMBER 1 TO MARCH 1	TOPSOIL REQUIRED ON SLOPES DETERMINED BY THE ENGINEER DURING CONSTRUCTION
	STANDARD GROUND PREPARATION	PER SQ. FT.	MARCH 1 TO SEPTEMBER 1	PER SQ. FT.	SEPTEMBER 1 TO MARCH 1	GROUND PREPARATION REQUIRED ON AREAS TO RECEIVE SOLID SODDING OR SEEDING, AS APPLICABLE
	AGRICULTURAL LIMESTONE	3 TONS / ACRE	MARCH 1 TO SEPTEMBER 1	3 TONS / ACRE	SEPTEMBER 1 TO MARCH 1	LIMESTONE SHALL BE MECHANICALLY SPREAD UNIFORMLY AND INCORPORATED INTO THE SOIL PRIOR TO PLANTING
	COMBINATION FERTILIZER (13–13–13)	1000 LBS / ACRE	MARCH 1 TO SEPTEMBER 1	1000 LBS / ACRE	SEPTEMBER 1 TO MARCH 1	FERTILIZER SHALL BE MECHANICALLY SPREAD UNIFORMLY AND INCORPORATED INTO THE SOIL PRIOR TO PLANTING
	SUPER PHOSPHATE	0.5 TON / ACRE (EST)	MARCH 1 TO SEPTEMBER 1			SUPER PHOSPHATE (FOR BID ITEM PURPOSES)
	SEEDING (BERMUDA GRASS)	20 LBS / ACRE	MARCH 1 TO SEPTEMBER 1	20 LBS / ACRE	SEPTEMBER 1 TO MARCH 1	SEED REQUIRED ON DISTURBED AREAS. UNHULLED SEED MAY BE REQUIRED DURING THE DORMANT SEASON AS DIRECTED
	SEEDING (TALL FESCUE)			15 LBS / ACRE	AUGUST 15 TO MARCH 15	SEED REQUIRED IN DISTURBED AREAS
	SEEDING (CRIMSON CLOVER)			20 LBS / ACRE	AUGUST 15 TO MARCH 15	SEED REQUIRED ON DISTURBED AREA
	VEGETATIVE MATERIAL FOR MULCH	2 TONS / ACRE (EST)	MARCH 1 TO SEPTEMBER 1	2 TONS / ACRE (EST)	SEPTEMBER 1 TO MARCH 1	THE ENGINEER WILL DESIGNATE THE RATES OF APPLICABLE (SEE SUBSECTION 215–03.3)
	SOLID SODDING	PER SQ. YD.	MARCH 1 TO SEPTEMBER 1	PER SQ. YD.	SEPTEMBER 1 TO MARCH 1	SOLID SOD REQUIRED ON AREAS SPECIFIED IN THE CONTRACT OR BY THE ENGINEER
	WATERING	20 GAL / S.Y. (EST)	MARCH 1 TO SEPTEMBER 1	20 GAL. / S.Y. (EST)	SEPTEMBER 1 TO MARCH 1	TO BE USED AS DIRECTED IN THE PLANTING AND ESTABLISHING OF SOLID SOD
	INSECT PEST CONTROL	PER ACRE		PER ACRE		SEE SECTION 220
TEMPORARY EROSION CONTROL ITEMS						
	LIGHT GROUND PREPARATION	PER SQ. YD.		PER SQ. YD.		APPROXIMATELY HALF SQ.YD. STANDARD GROUND PREPARATION
	COMBINATION FERTILIZER (13–13–13)	0.25 TONS/ ACRE		0.25 TONS/ ACRE		QUANTITY BASED ON LIGHT GROUND PREPARATION
	SEEDING (BROWN TOP MILLET)	20 LBS / ACRE	APRIL 1 TO AUGUST 31			QUANTITY BASED ON LIGHT GROUND PREPARATION
	SEEDING (RYE GRASS)			25 LBS / ACRE	SEPTEMBER 1 TO MARCH 31	QUANTITY BASED ON LIGHT GROUND PREPARATION
	SEEDING (OATS)			90 LBS / ACRE	SEPTEMBER 1 TO DECEMBER 15	QUANTITY BASED ON LIGHT GROUND PREPARATION
	VEGETATIVE MATERIAL FOR MULCH	1 TON / ACRE (EST)		1 TON / ACRE (EST)		QUANTITY BASED ON LIGHT GROUND PREPARATION

- ① ALL AREAS THAT HAVE BEEN VEGETATED, UNDER THIS CONTRACT, FOR AT LEAST (60) SIXTY DAYS, SHALL RECEIVE ADDITIONAL APPLICATION(S) OF FERTILIZER(S) OF THE TYPE(S) AND RATE(S) OF APPLICATIONS AS DETERMINED BY SOIL TEST OR AS DIRECTED DURING THE GROWING SEASONS THE CONTRACT IS IN FORCE. GROUND PREPARATION WILL NOT BE REQUIRED FOR THE ADDITIONAL APPLICATIONS.
- ② PROPOSAL QUANTITIES ESTIMATED ON THE BASIS THAT 100% OF THE ACREAGE WILL BE SEEDDED.
- ③ PROPOSAL QUANTITIES ESTIMATED ON THE BASIS THAT 50% OF THE ACREAGE WILL BE SEEDDED.
- ④ QUANTITY ESTIMATED ON THE BASIS THAT 50% OF THE ACREAGE VEGETATED MAY REQUIRED TREATMENT.
- ⑤ THIS ITEM MAY BE OMITTED ON AREAS SELECTED BY THE ENGINEER.
- ⑥ BAHIAGRASS WILL NOT BE PERMITTED AS A MULCH MATERIAL.
- ⑦ PROPOSAL QUANTITIES ESTIMATED ON THE BASIS THAT 75% OF THE ACREAGE SEEDDED MAY REQUIRE TOPSOIL

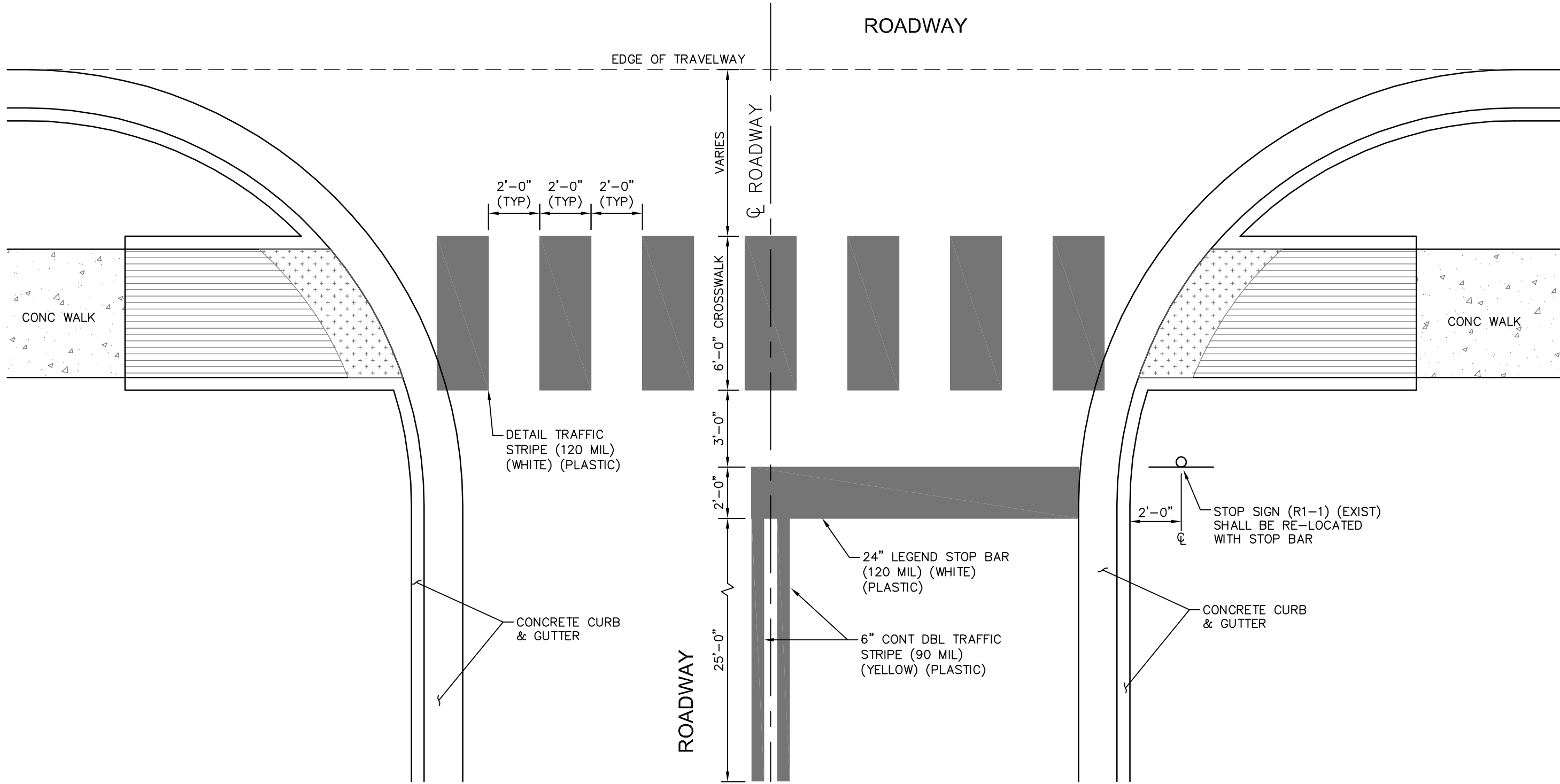
TEMPORARY EROSION CONTROL ITEMS REQUIRED FOR DETOURS

ITEM	RATE	SEASONAL LIMITATIONS
STANDARD GROUND PREPARATION	---	---
COMBINATION FERTILIZER (13-13-13)	500 LBS/ACRE	---
SEEDING (BERMUDA GRASS)	10 LBS/ACRE	---
SEEDING (TALL FESCUE)	20 LBS/ACRE	AUGUST 15 TO MARCH 15
VEGETATIVE MATERIAL FOR MULCH	2 LBS/ACRE	---

NOTE: ALL VEGETATION ON THIS PROJECT SHALL BE PAID FOR UNDER AS OUTLINED IN THE BID PROPOSAL. ITEMS SHALL BE APPLIED USING THE RATES OF APPLICATION AS SHOWN ON THIS SHEET AND WILL NOT BE MEASURED FOR SEPARATE PAYMENT.



TYPICAL SIGN INSTALLATION SECTION DETAIL
(FOR SIGN REPAIR)



TYPICAL INTERSECTION CROSSWALK & STOP BAR PAVEMENT MARKING DETAIL

NO.	DATE	DESCRIPTION	BY
VEGETATION SCHEDULE & MISC DETAILS			
COMSWIP SEWER PROJECT PHASE VIII CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave. Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by:	RES\BT	Checked by:	JTW Scale: NONE
Date:	12-11-2017	Working No.:	VS1
Drawing No.:	1273-S010	Sheet No.:	69

TABLE 1:

A. Bedding shall be Class B in accordance with Subsection 603.03.2 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition.

1. Flowable Fill in accordance with Section 631 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition.

If Backfill material 1 is utilized, care shall be taken to prevent "floating" of pipe.

BEDDING AND BACKFILL REQUIREMENTS FOR NON-RIGID PIPE IN SIDEDRAIN APPLICATIONS

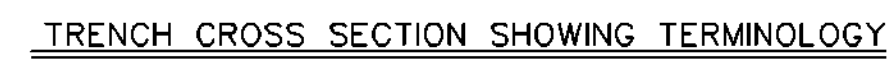
A. Bedding shall be Class C in accordance with Subsection 603.03.2 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition.

The cost of furnishing and placing the required bedding and backfill material indicated in A & B shall be included in the unit cost of the non-rigid pipe alternate, i.e. there will be no separate pay item for non-rigid pipe bedding and backfill material.

NOMINAL DIAMETER IN. (MM)	MINIMUM COVER IN. & (MM)		MAXIMUM COVER FT. & (M)
	H-20	E-80	
12 (300)	12 (300)	24 (600)	50 (15.24)
15 (375)	12 (300)	24 (600)	50 (15.24)
18 (450)	12 (300)	24 (600)	45 (13.72)
24 (600)	12 (300)	24 (600)	40 (12.19)
30 (750)	12 (300)	24 (600)	40 (12.19)
36 (900)	12 (300)	24 (600)	35 (10.67)
42 (1050)	12 (300)	24 (600)	35 (10.67)
48 (1200)	12 (300)	24 (600)	30 (9.14)

DIAMETER	O.D.	TRENCH WIDTH
12"	14.45"	34"
15"	17.57"	38"
18"	21.20"	44"
24"	27.80"	54"
30"	35.10"	65"
36"	41.70"	75"
42"	47.70"	84"
48"	53.60"	92"

DIAMETER OF PIPE		CLEAR DISTANCES BETWEEN PIPES	
IN.	(MM)	FT.	(M)
18	(450)	1' 2"	(0.36)
24	(600)	1' 5"	(0.44)
30	(750)	1' 8"	(0.52)
36	(900)	1' 11"	(0.60)
42	(1050)	2' 2"	(0.68)
48	(1200)	2' 5"	(0.76)

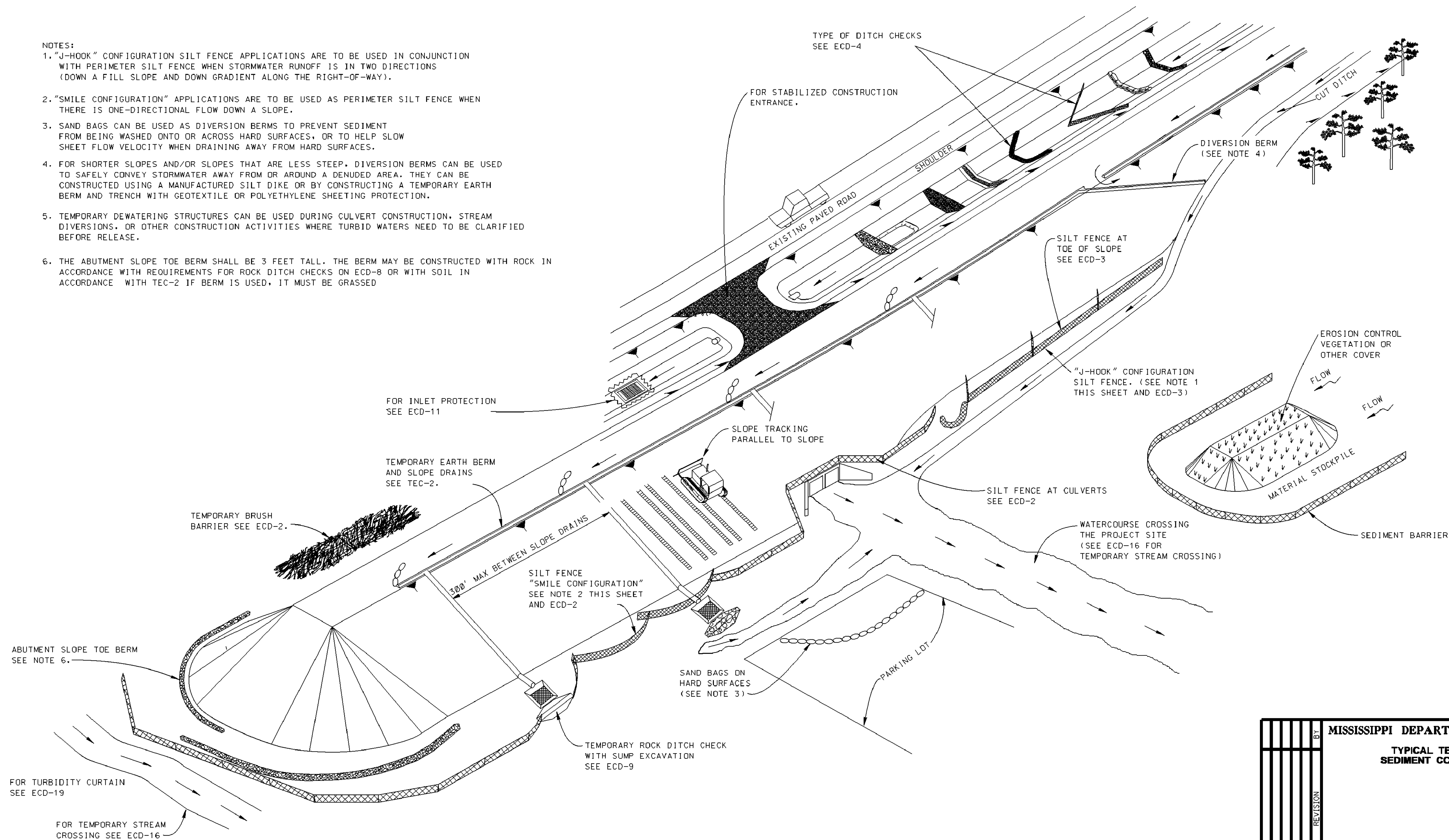


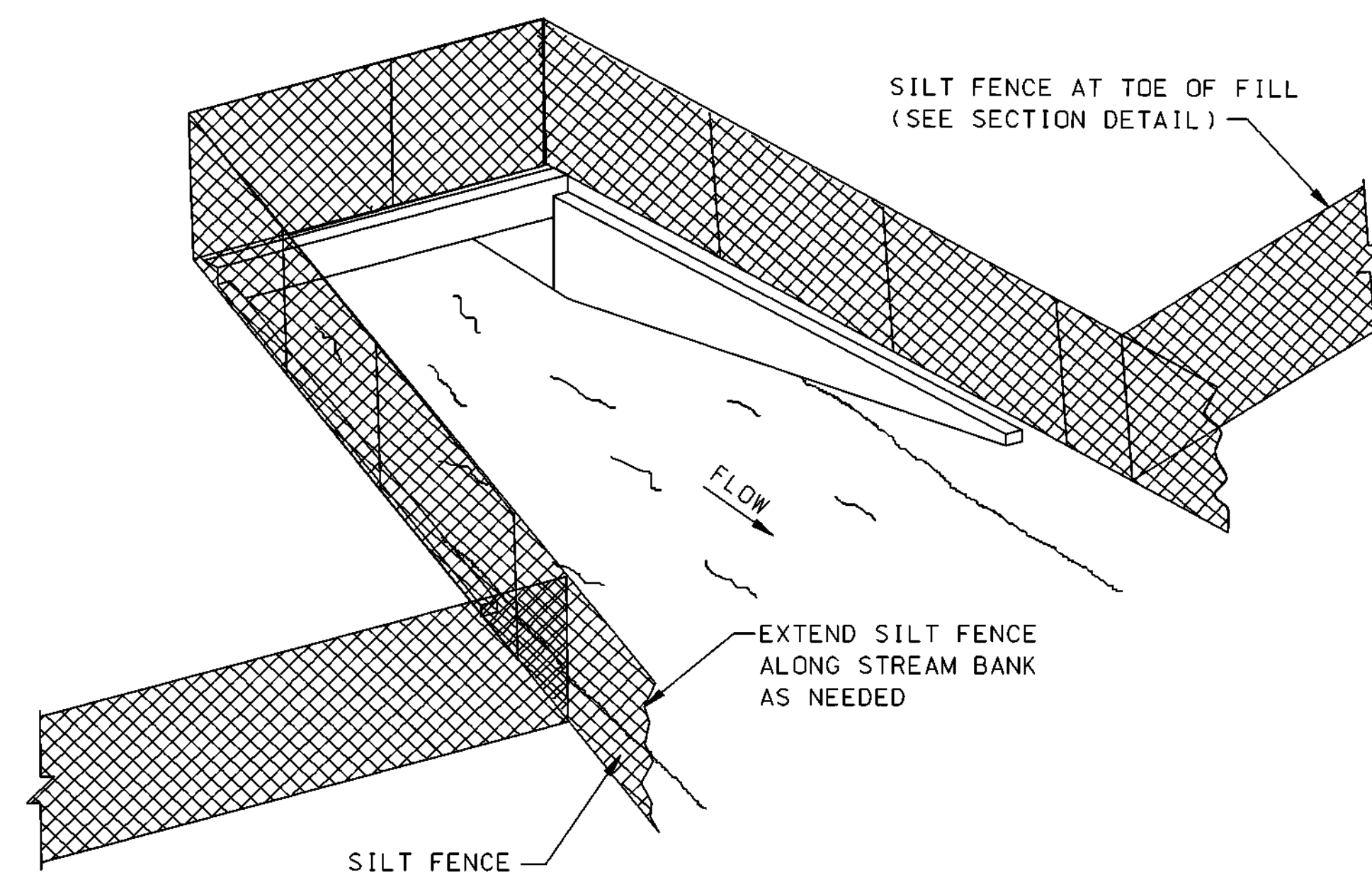
DESIGNATION OF TYPE: TYPE S: THIS PIPE WILL HAVE A FULL CIRCULAR CROSS SECTION, WITH AN OUTER CORRUGATED PIPE WALL AND A SMOOTH INNER LINER.

4. CALCULATIONS FOR FILL DEPTHS ARE BASED ON PROPERTIES DEFINED IN AASHTO M294 AND CALCULATIONS IN AASHTO SEC. 18.

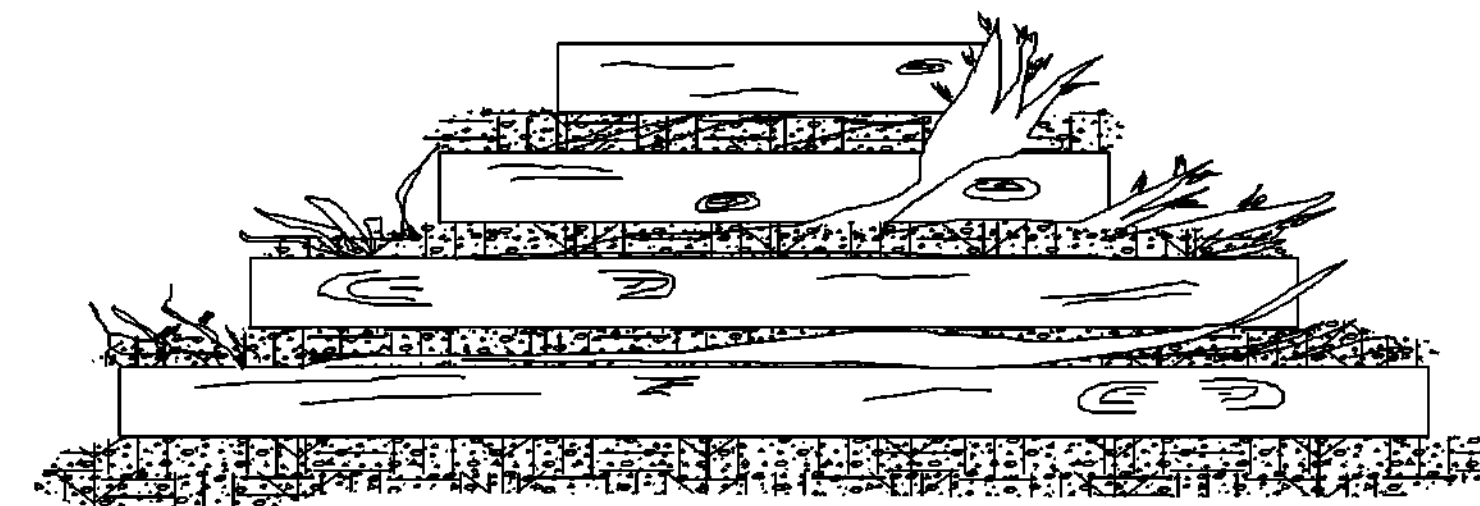
RAWING No.: 1273-S010

- NOTES:
1. "J-HOOK" CONFIGURATION SILT FENCE APPLICATIONS ARE TO BE USED IN CONJUNCTION WITH PERIMETER SILT FENCE WHEN STORMWATER RUNOFF IS IN TWO DIRECTIONS (DOWN A FILL SLOPE AND DOWN GRADIENT ALONG THE RIGHT-OF-WAY).
 2. "SMILE CONFIGURATION" APPLICATIONS ARE TO BE USED AS PERIMETER SILT FENCE WHEN THERE IS ONE-DIRECTIONAL FLOW DOWN A SLOPE.
 3. SAND BAGS CAN BE USED AS DIVERSION BERMS TO PREVENT SEDIMENT FROM BEING WASHED ONTO OR ACROSS HARD SURFACES, OR TO HELP SLOW SHEET FLOW VELOCITY WHEN DRAINING AWAY FROM HARD SURFACES.
 4. FOR SHORTER SLOPES AND/OR SLOPES THAT ARE LESS STEEP, DIVERSION BERMS CAN BE USED TO SAFELY CONVEY STORMWATER AWAY FROM OR AROUND A DENUDED AREA. THEY CAN BE CONSTRUCTED USING A MANUFACTURED SILT DIKE OR BY CONSTRUCTING A TEMPORARY EARTH BERM AND TRENCH WITH GEOTEXTILE OR POLYETHYLENE SHEETING PROTECTION.
 5. TEMPORARY DEWATERING STRUCTURES CAN BE USED DURING CULVERT CONSTRUCTION, STREAM DIVERSIONS, OR OTHER CONSTRUCTION ACTIVITIES WHERE TURBID WATERS NEED TO BE CLARIFIED BEFORE RELEASE.
 6. THE ABUTMENT SLOPE TOE BERM SHALL BE 3 FEET TALL. THE BERM MAY BE CONSTRUCTED WITH ROCK IN ACCORDANCE WITH REQUIREMENTS FOR ROCK DITCH CHECKS ON ECD-8 OR WITH SOIL IN ACCORDANCE WITH TEC-2 IF BERM IS USED, IT MUST BE GRASSED

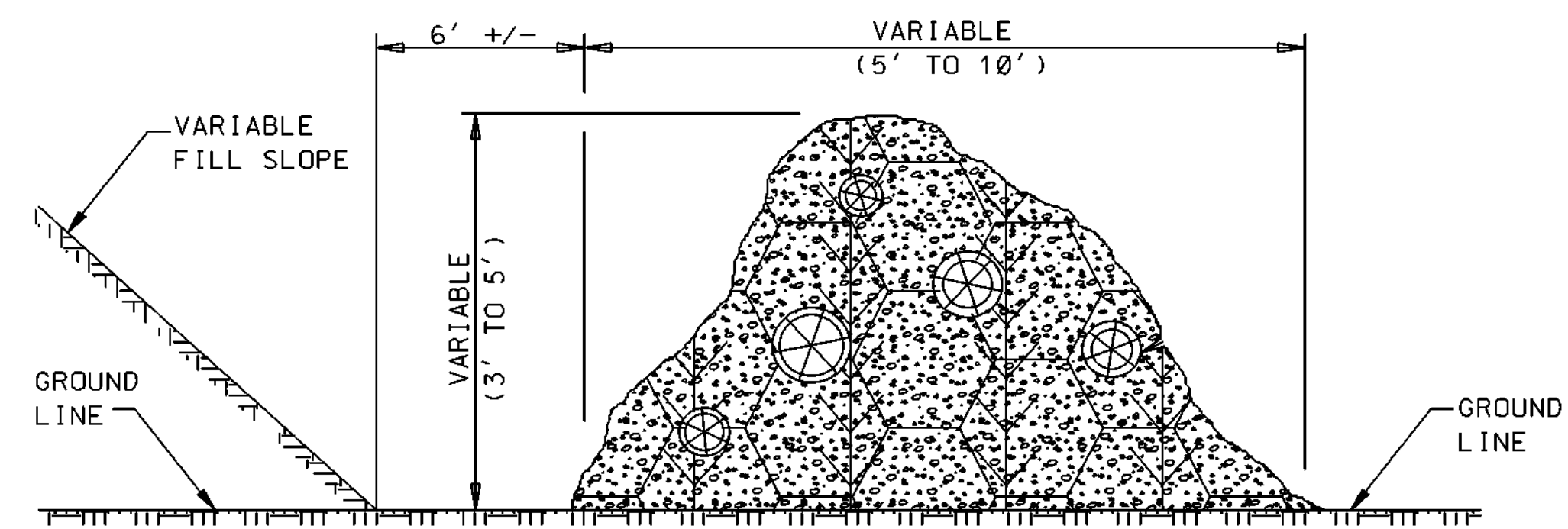
[illegible]



SEDIMENT BARRIER AT CROSS DRAIN



FRONT ELEVATION

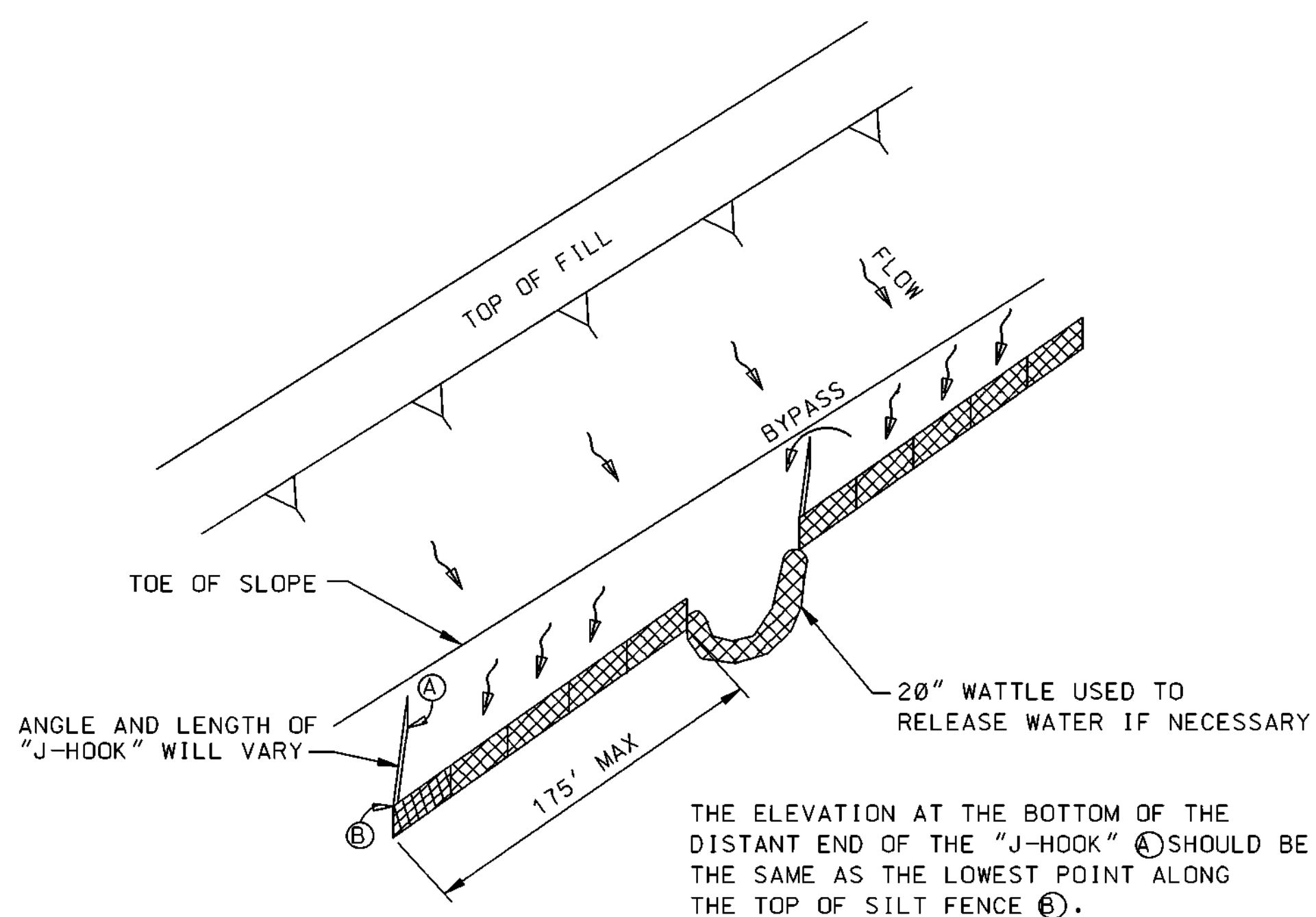


SIDE ELEVATION

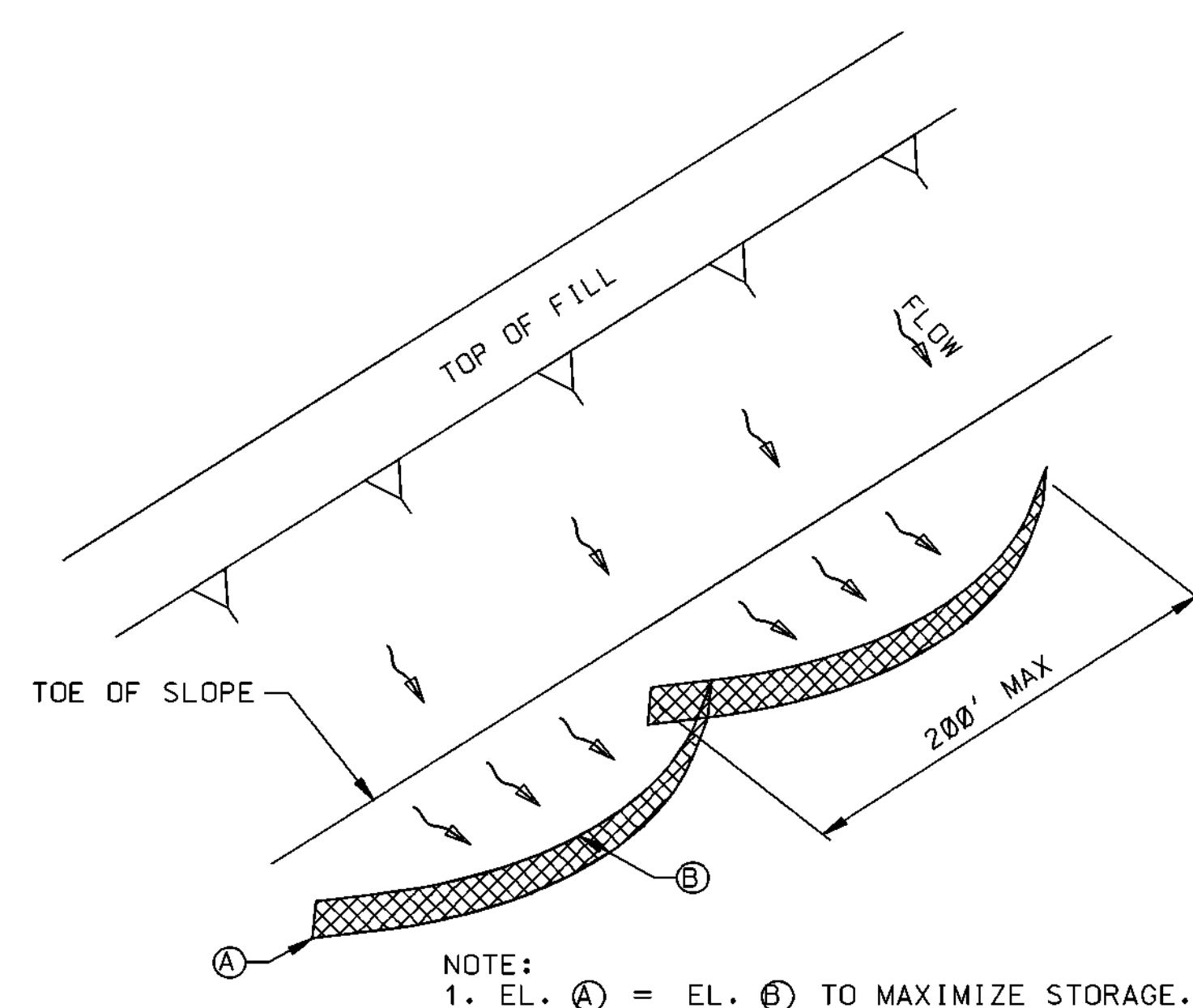
TEMPORARY BRUSH BARRIER

- NOTES:
1. BRUSH BARRIER MAY BE USED WHERE NATURAL GROUND IS LEVEL OR SLOPING AWAY FROM PROJECT.
 2. PLACE BRUSH, LOG AND TREE LAPS APPROXIMATELY PARALLEL TO TOE OF FILL SLOPE WITH SOME OF THE HEAVIER MATERIALS BEING PLACED ON TOP TO PROPERLY SECURE THE BARRIER AS DETAILED AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED OR PERMITTED BY THE ENGINEER.
 3. TO ALLOW WATER TO SEEP THROUGH BRUSH BARRIER, INTERMINGLE THE BRUSH, LOG AND TREE LAPS SO AS NOT TO FORM A SOLID DAM.
 4. THE BRUSH BARRIER MAY BE CHOKED WITH FILTER FABRIC.
 5. TEMPORARY BRUSH BARRIER WILL NOT BE MEASURED FOR SEPERATE PAYMENT

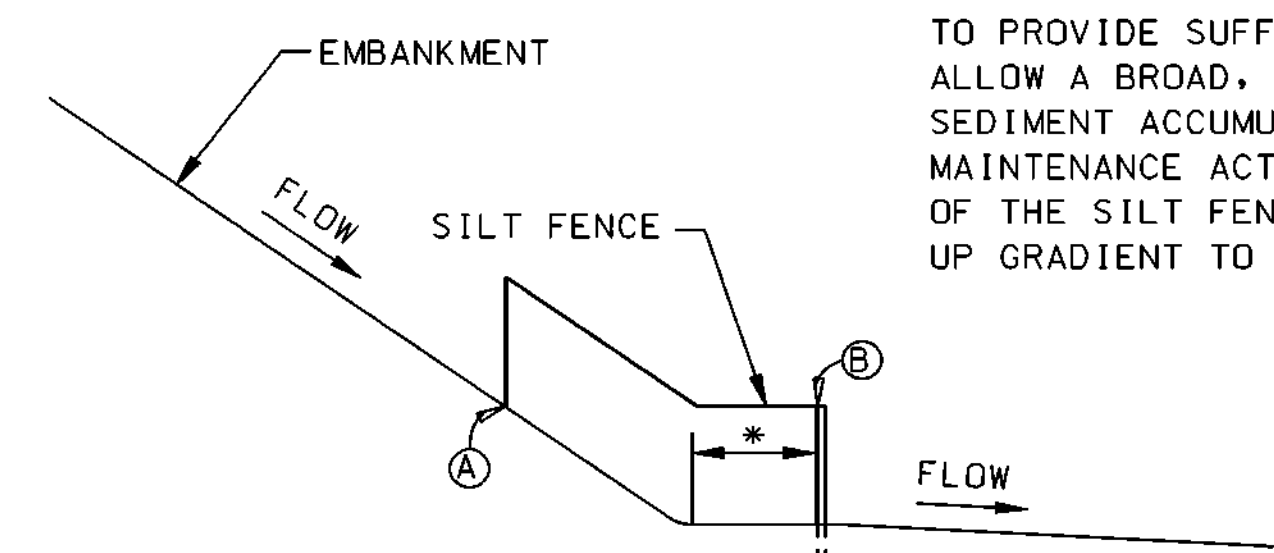
- NOTE:
1. ANCHOR AND INSTALL SILT FENCE PER DETAILS SHOWN ON ECD-3



"J-HOOK" SILT FENCE APPLICATION



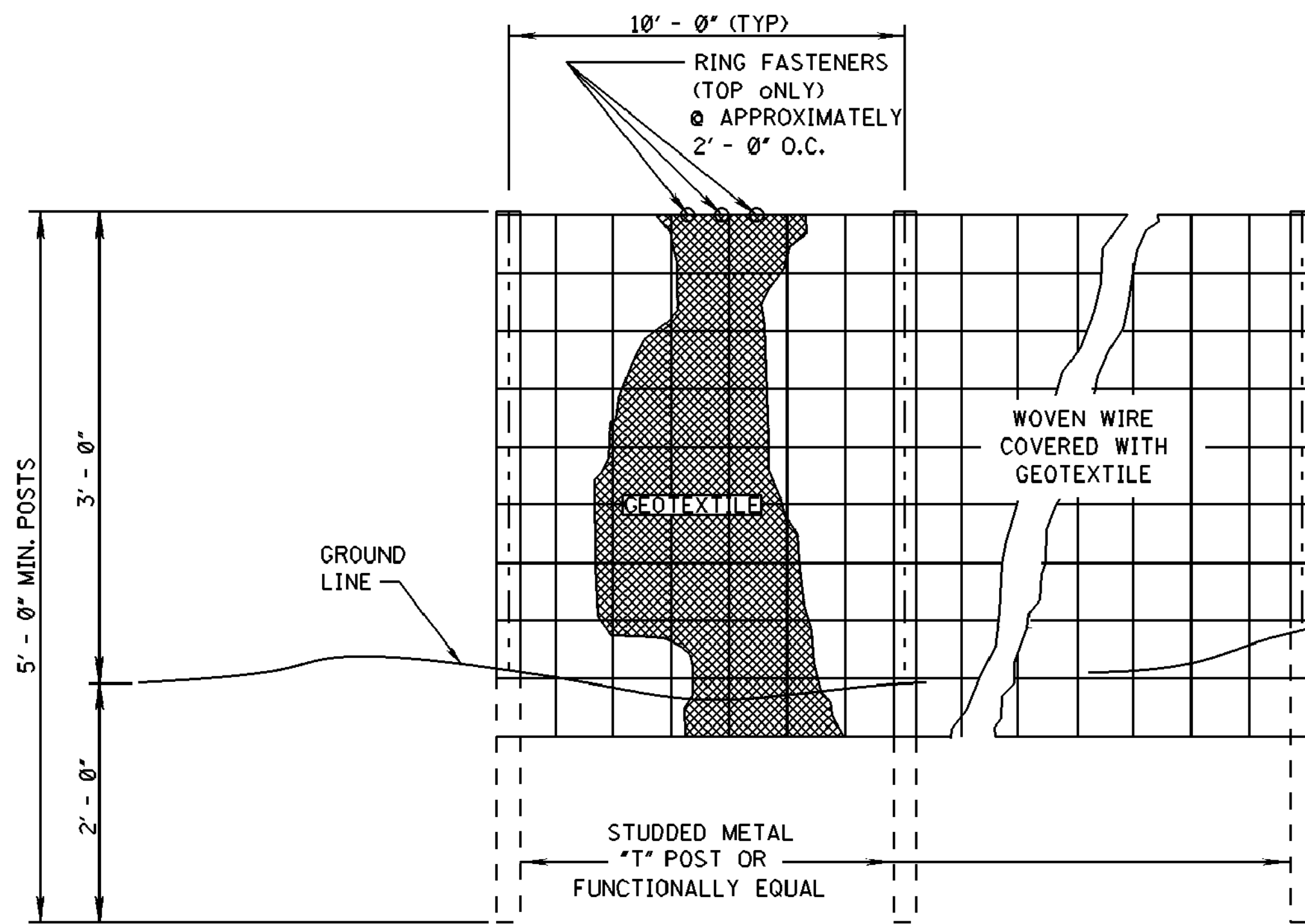
"SMILE-CONFIGURATION" SILT FENCE APPLICATION



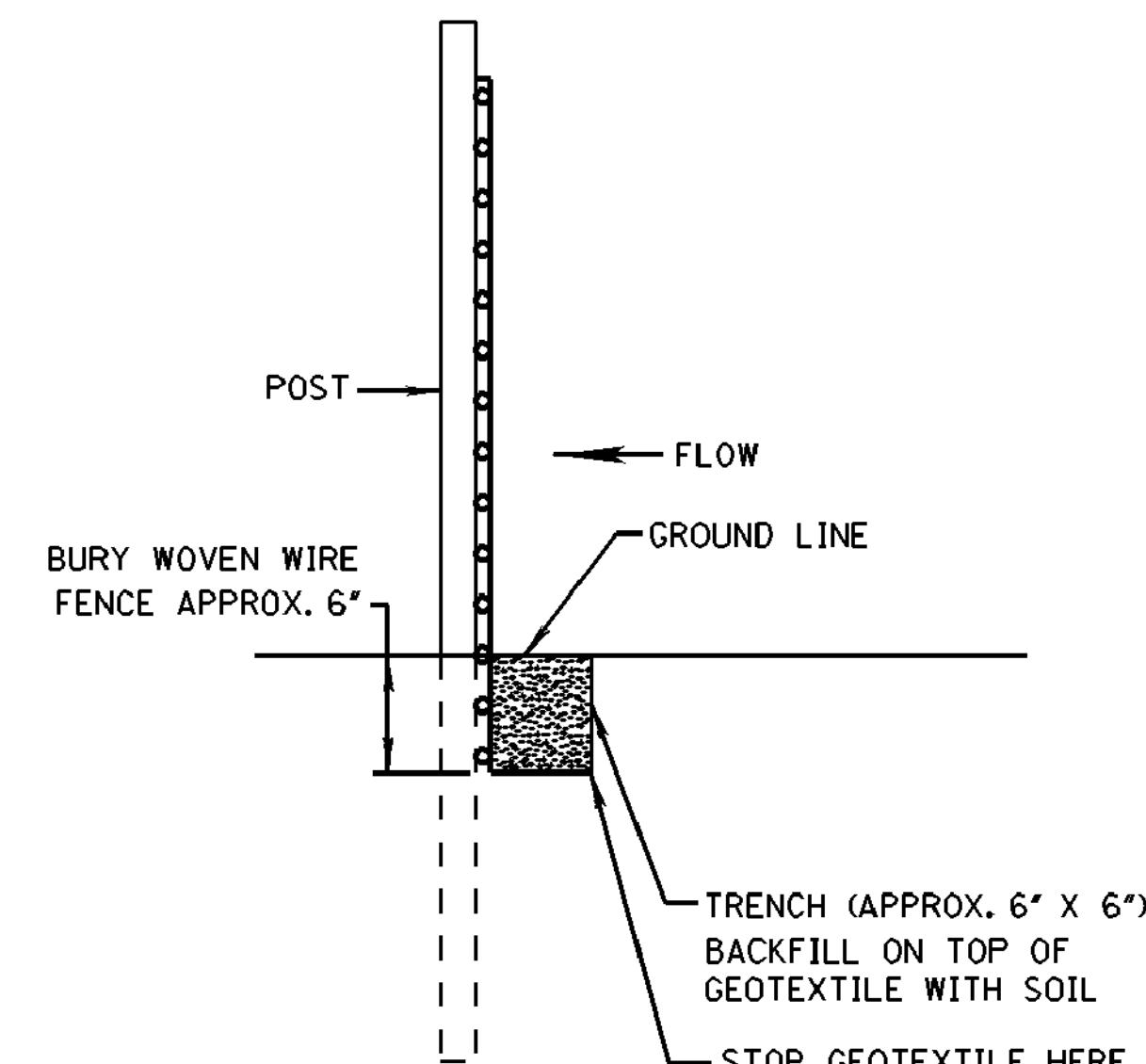
SILT FENCE SECTION AT TOE OF FILL

* SILT FENCE SHOULD BE LOCATED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE SUFFICIENT SPACE TO ALLOW A BROAD, FLAT AREA FOR SEDIMENT ACCUMULATION AND MAINTENANCE ACTIVITIES. THE ENDS OF THE SILT FENCE SHOULD BE TURNED UP GRADIENT TO MAXIMIZE STORAGE.

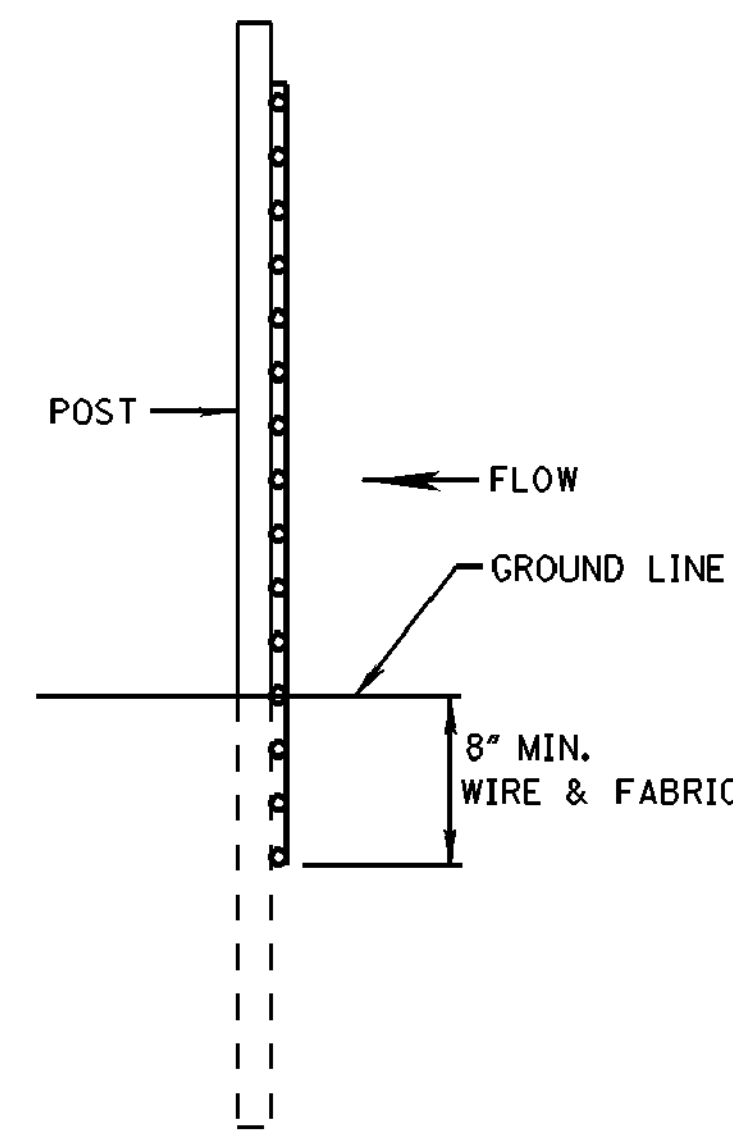
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ELEVATION VIEW



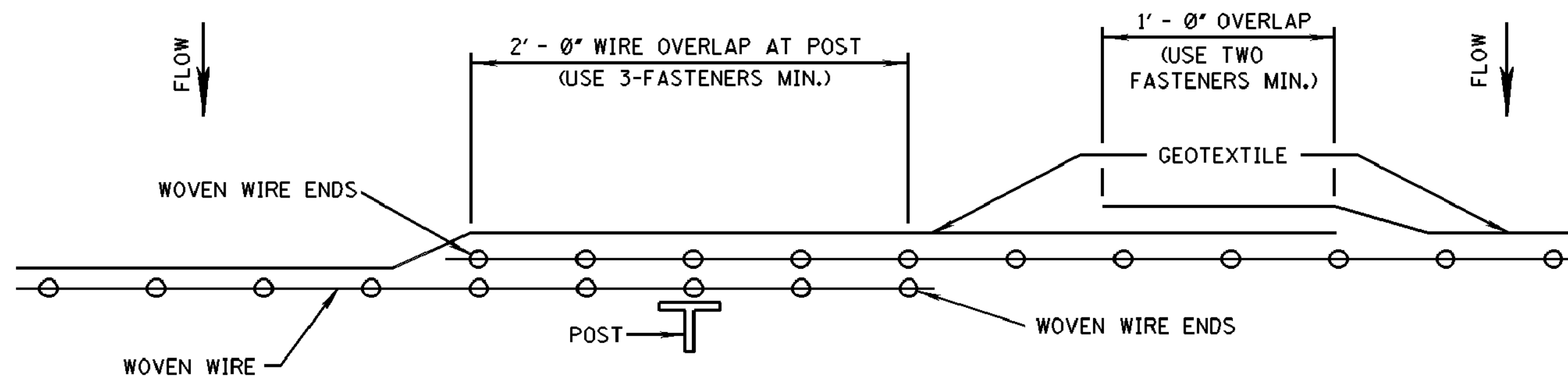
METHOD I



METHOD II
MECHANICAL INSTALLATION

SIDE VIEW

- NOTES:
1. SILT FENCES SHALL BE USED IN AREAS WHERE FLOW IS NOT SEVERE.
 2. SILT FENCES ARE TEMPORARY SEDIMENT CONTROL ITEMS THAT SHALL BE ERRECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
 3. SILT FENCE SHOULD BE PLACED WELL INSIDE RIGHT-OF-WAY AND ALONG EDGE OF CLEARING LIMITS. THIS WILL ALLOW ROOM FOR A BACK-UP FENCE IF FIRST FENCE BECOMES FULL.
 4. WHEREVER POSSIBLE SILT FENCE SHALL BE CONSTRUCTED ACROSS A LEVEL AREA IN THE SHAPE OF A SMILE. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
 5. THE CONTRACTOR MAY ELECT TO USE EITHER METHOD I OR METHOD II. COST TO BE LINEAR FEET OF SILT FENCE.
 6. METHOD II INSTALLATION SHALL BE ACCOMPLISHED USING AN IMPLEMENT THAT IS MANUFACTURED FOR THE APPLICATION AND PROVIDES A CONFIGURATION MEETING THE REQUIREMENTS OF THE DETAIL.
 7. WIRE SHALL BE MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
 8. GEOTEXTILE FABRIC MEETING THE TYPE II MATERIAL REQUIREMENTS AND INSTALLED ACCORDING TO SPECIFICATION MAY BE USED WITHOUT WIRE FENCE.



PLAN VIEW
REQUIRED LAPPING

MISSISSIPPI DEPARTMENT OF TRANSPORTATION		WORKING NUMBER	
DETAILS OF SILT FENCE		ECD-3	
INSTALLATION		SHEET NUMBER	
		73	
DATE	FILENAME: EROSION_CONTROL\ECD-3.DGN		
DESIGN TEAM	CHECKED	DATE	

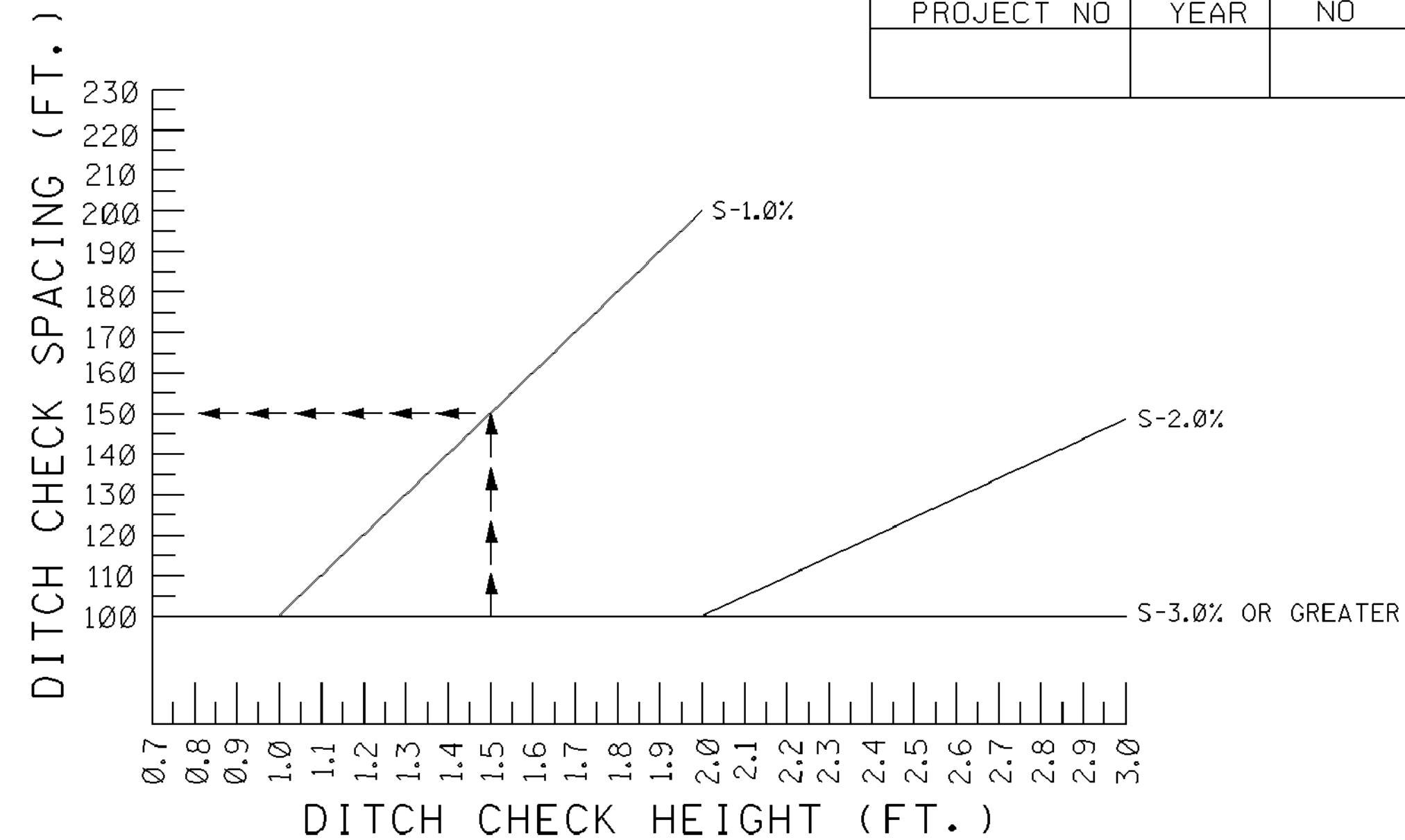
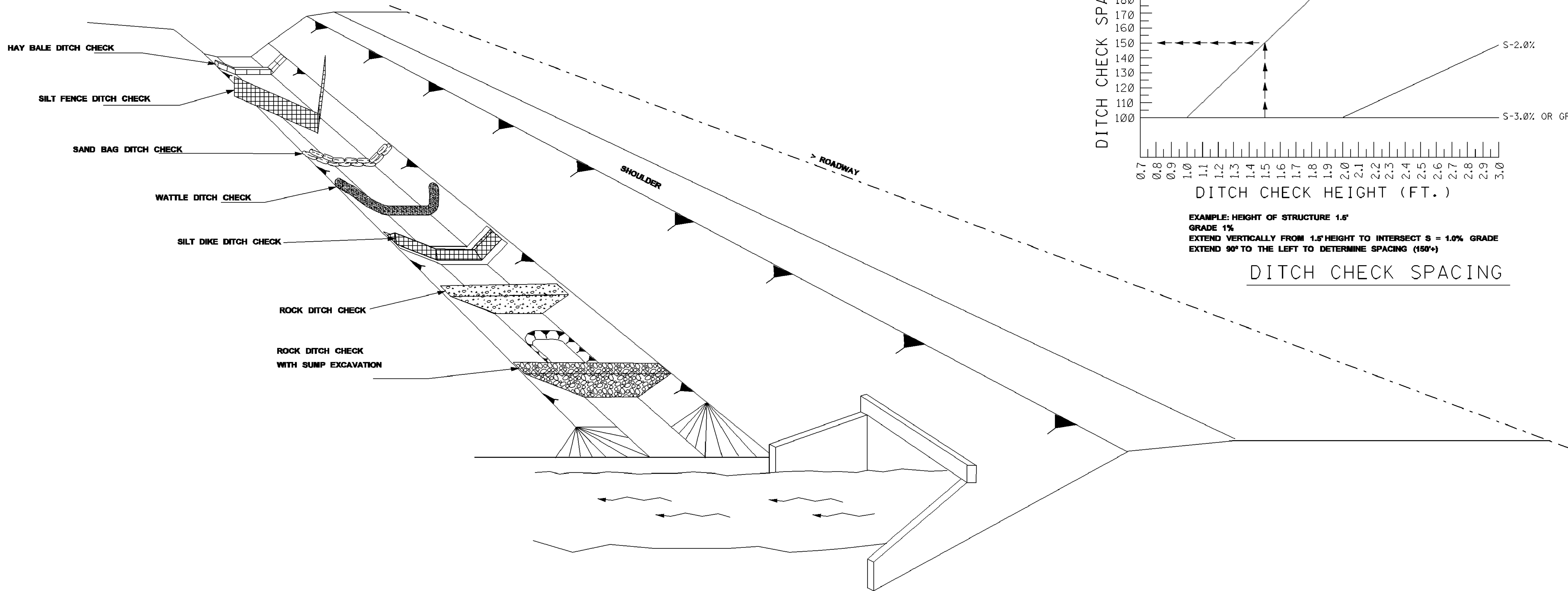
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PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/20/2010 8:10 AM ECD-4.DGN

STATE	PROJECT NO.
MISS.	

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO

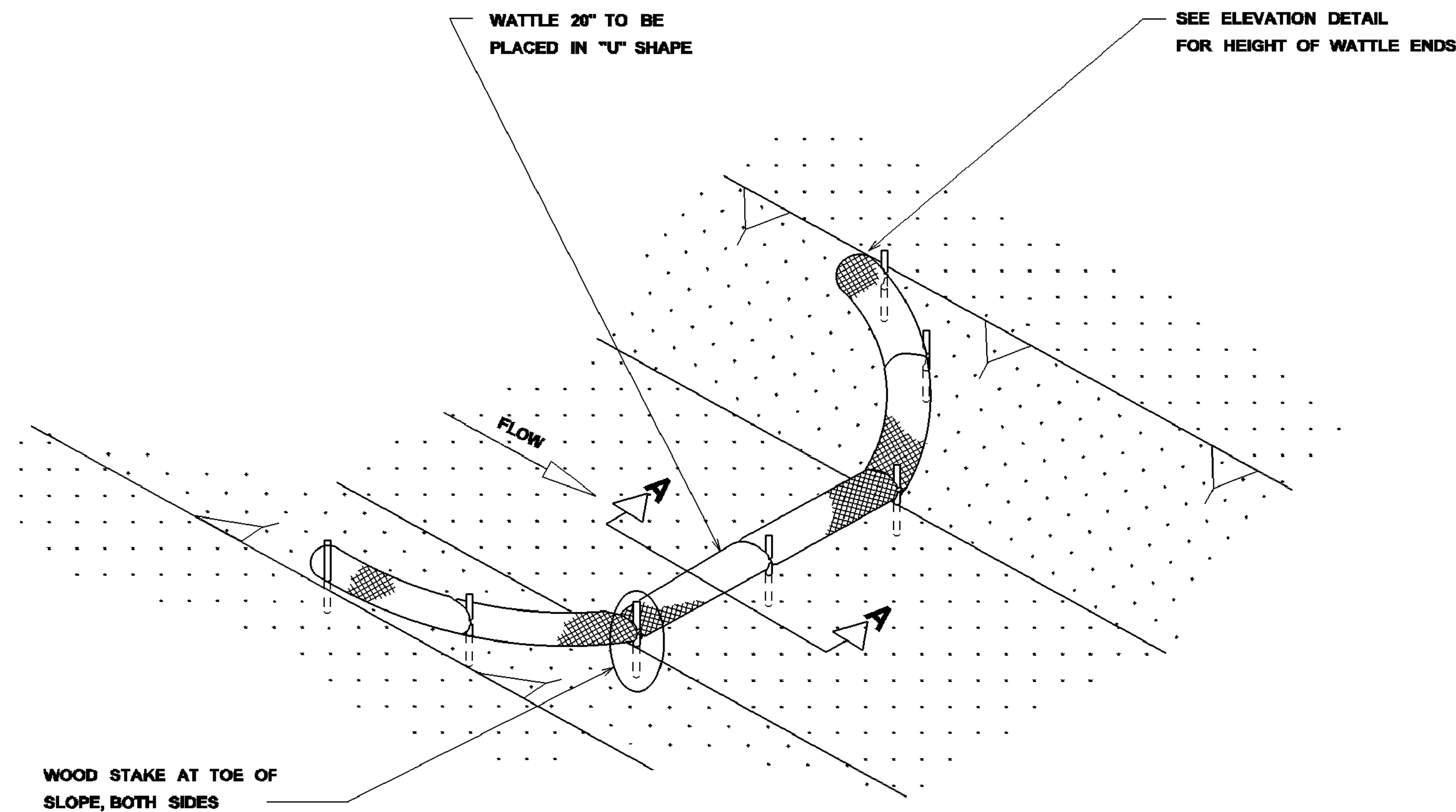


NOTES:

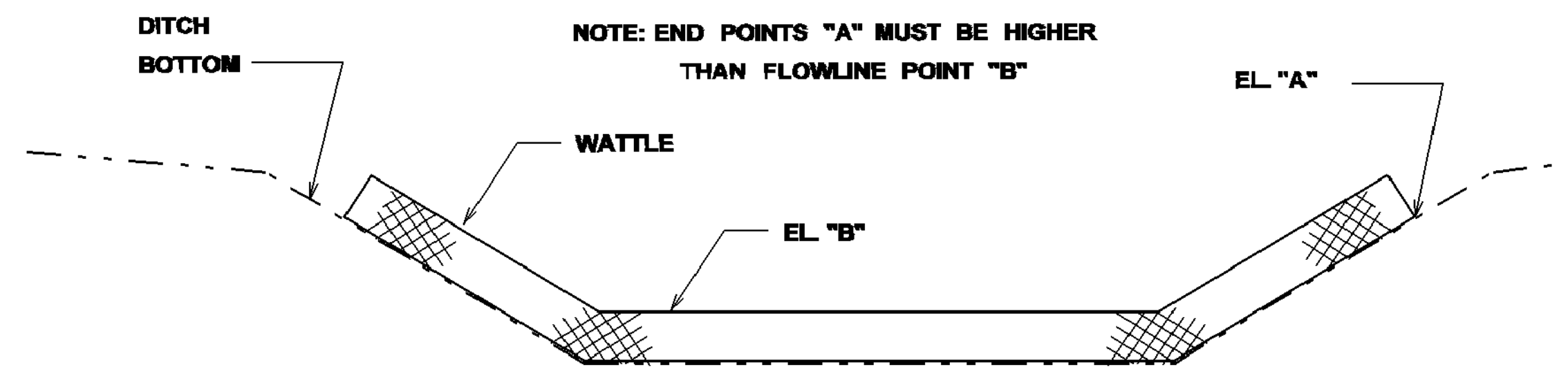
1. THE DITCH CHECK PERSPECTIVE ILLUSTRATES A TOOL BOX OF TEMPORARY PRACTICES THAT MAY BE USED. DITCH CHECKS ARE INSTALLED TO CONTROL RUNOFF VELOCITY AND THUS REDUCE EROSION AND PROVIDE FOR TRAPPING OF SEDIMENTS.
2. SELECTION OF THE APPROPRIATE DITCH CHECK SHOULD BE A FUNCTION OF CONSTRUCTION PHASE, DRAINAGE AREA, DITCH GRADIENT, SOIL TYPE ECONOMY AND SAFETY.
3. DITCH CHECKS CAN BE REMOVED FOR MAINTENANCE AND/OR REPLACEMENT BUT MUST REMAIN IN PLACE UNTIL UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED. MAINTENANCE INCLUDES REMOVAL OF SEDIMENT BEGINNING WHEN SEDIMENT ACCUMULATION REACHES 1/3 THE CAPACITY OR HEIGHT OF THE STRUCTURE AND NEVER ALLOWING FOR SEDIMENT TO ACCUMULATE MORE THAN 1/2 THE VOLUME OR HEIGHT OF THE DITCH CHECK STRUCTURE.
4. HAY BALES ARE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.
5. SILT FENCE DITCH CHECKS ARE USED WHERE IT HAS BEEN DETERMINED THAT HAY BALE CHECKS ARE INADEQUATE. SILT FENCE DITCH CHECKS ARE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.
6. SAND BAG DITCH CHECKS ARE USED FOR VELOCITY REDUCTION AND MINIMAL SEDIMENT TRAPPING IN CONCRETE PAVED DITCHES OR IN DITCHES THAT HAVE ROCKY BOTTOMS.
7. WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.
8. SILT DIKES CAN BE USED IN DITCHES WITH CONCENTRATED FLOWS WITHIN THE CLEAR ZONE WHERE RIPRAP CAN NOT BE USED. AS CONSTRUCTION PROGRESSES.
9. ROCK DITCH CHECK WITH SUMP EXCAVATION CAN BE PLACED IN DITCHES TO ASSURE ON-SITE SEDIMENT TRAPPING REQUIREMENTS ARE MET. DITCH CHECK WITH SUMP EXCAVATION IS USED WHEN DITCHES RECEIVE DRAINAGE FROM CUT OR FILL SLOPES OR OTHER CRITICAL AREAS WHERE SOIL EROSION IS EXPECTED. DRAINAGE AREA FOR A TEMPORARY SEDIMENT TRAP SHALL NOT EXCEED 3 ACRES. THEY CAN BE USED IN SERIES TO INCREASE ON-SITE SEDIMENT TRAPPING EFFICIENCY.
10. IN GENERAL, DITCH CHECKS SHOULD NOT BE PLACED IN LIVE STREAMS.
11. CONFIGURATION AND SPACING MAY BE ADJUSTED IF APPROVED BY THE ENGINEER TO ACCOMMODATE TRAVELWAY SAFETY, WATER FLOW, OR SOIL AND INSTALLATION CHALLENGES.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS			
DATE	REVISION	BY	WORKING NUMBER
DESIGN TEAM	CHECKED	DATE	ECD-4
FILENAME: EROSION CONTROL ECD-4.DGN			SHEET NUMBER
			74

DRAWING No.: 1273-S010



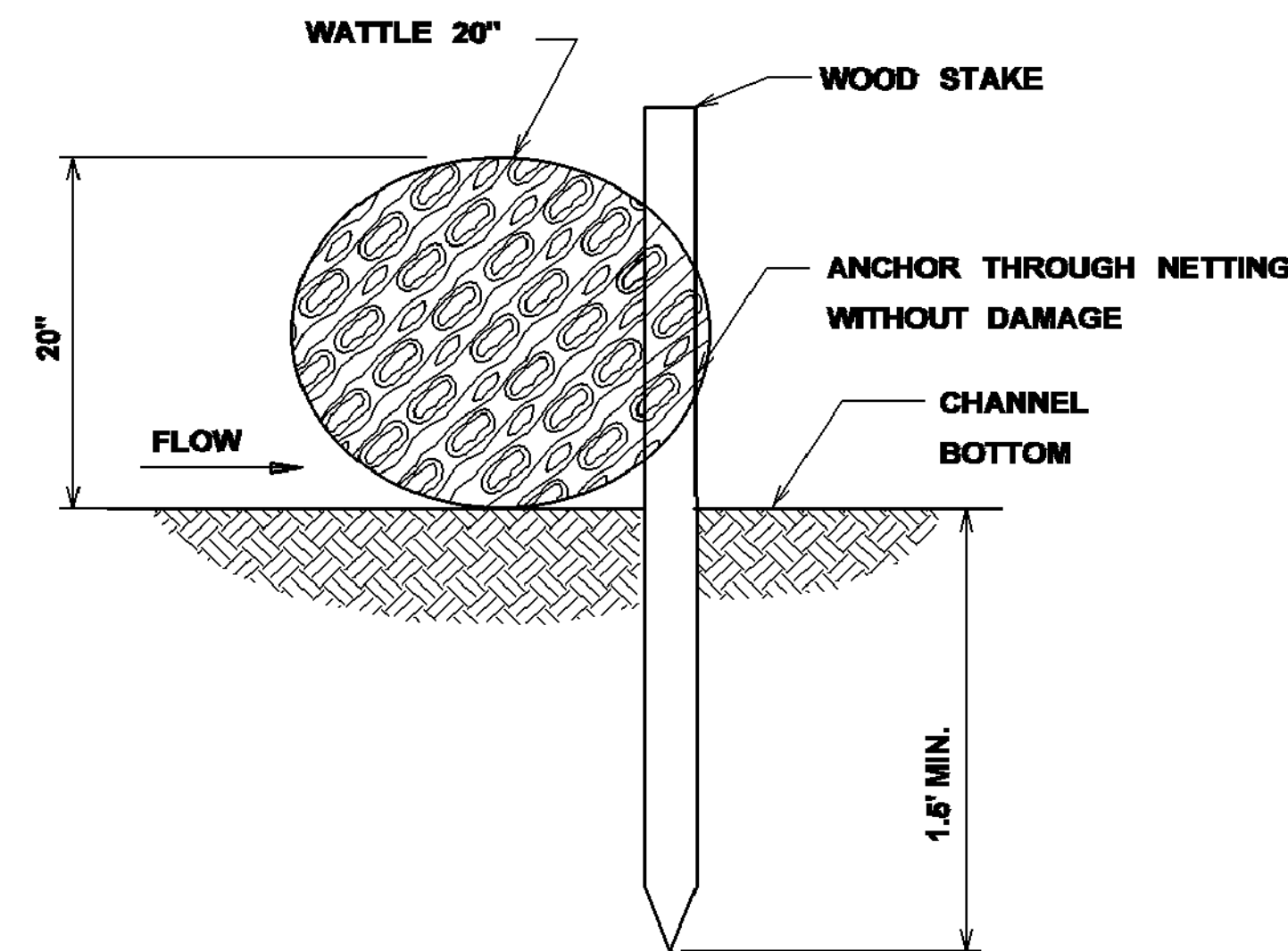
DETAIL (DITCH CHECK)



ELEVATION DETAIL

WATTLE DITCH CHECK SELECTION GUIDELINES

WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.

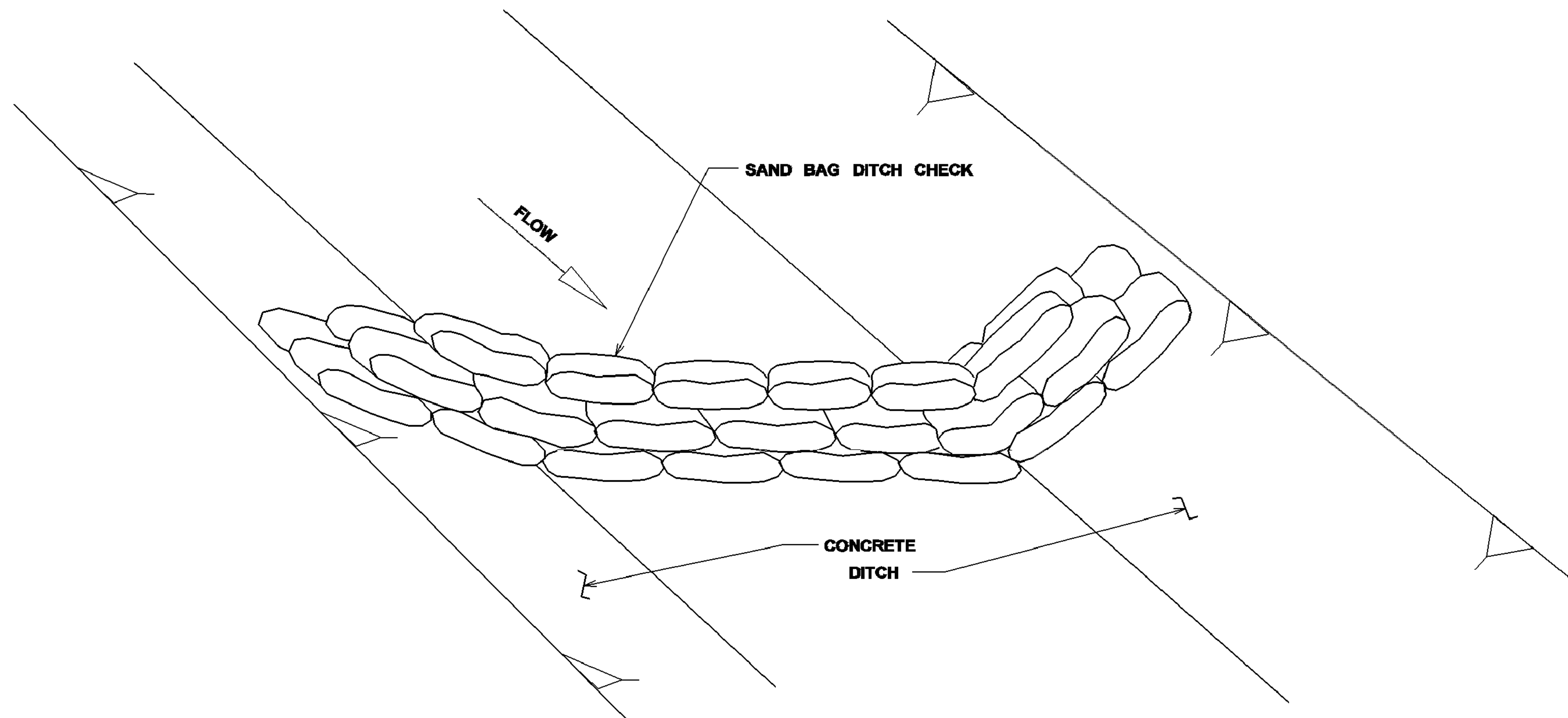


SECTION A-A

NOTES:

1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN WATTLE DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR EROSION CONTROL PLAN APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON ECD-4
2. ANCHORING WOOD STAKES SHALL BE SIZED, SPACED, DRIVEN, AND BE OF A MATERIAL THAT EFFECTIVELY SECURES THE CHECK. STAKE SPACING SHALL BE A MAXIMUM OF THREE FEET. ALL NON-DEGRADABLE MATERIALS SHALL BE REMOVED WHEN NO LONGER NEEDED.
3. TRENCHING OF WATTLES MAY BE NECESSARY IF PIPING BECOMES EVIDENT.
4. WATTLES SHOULD NOT BE USED IN HARD BOTTOM CHANNELS.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION				WORKING NUMBER	
DETAILS OF EROSION CONTROL				ECD-6	
WATTLE DITCH CHECK				SHEET NUMBER	
DATE	DESIGN TEAM	CHECKED	DATE	75	



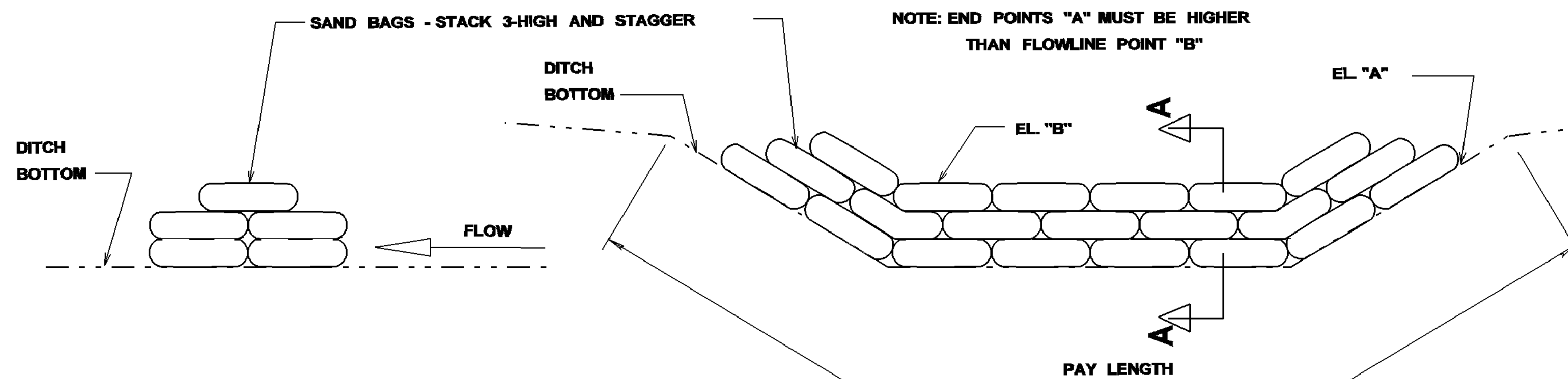
DETAIL (DITCH CHECK)

NOTES:

1. MINIMUM RECOMMENDED PLACEMENT INTERVAL BETWEEN SAND BAG DITCH CHECK IS 100' UNLESS SHOWN OTHERWISE ON THE PLANS OR APPROVED BY THE ENGINEER. SEE SPACING GUIDANCE ON ECD-4.
2. PREVENTING SEDIMENT FROM ENTERING A PAVED DITCH IS PREFERABLE TO CAPTURING SEDIMENT WITHIN PAVED DITCH.

SAND BAG DITCH CHECK SELECTION GUIDELINES

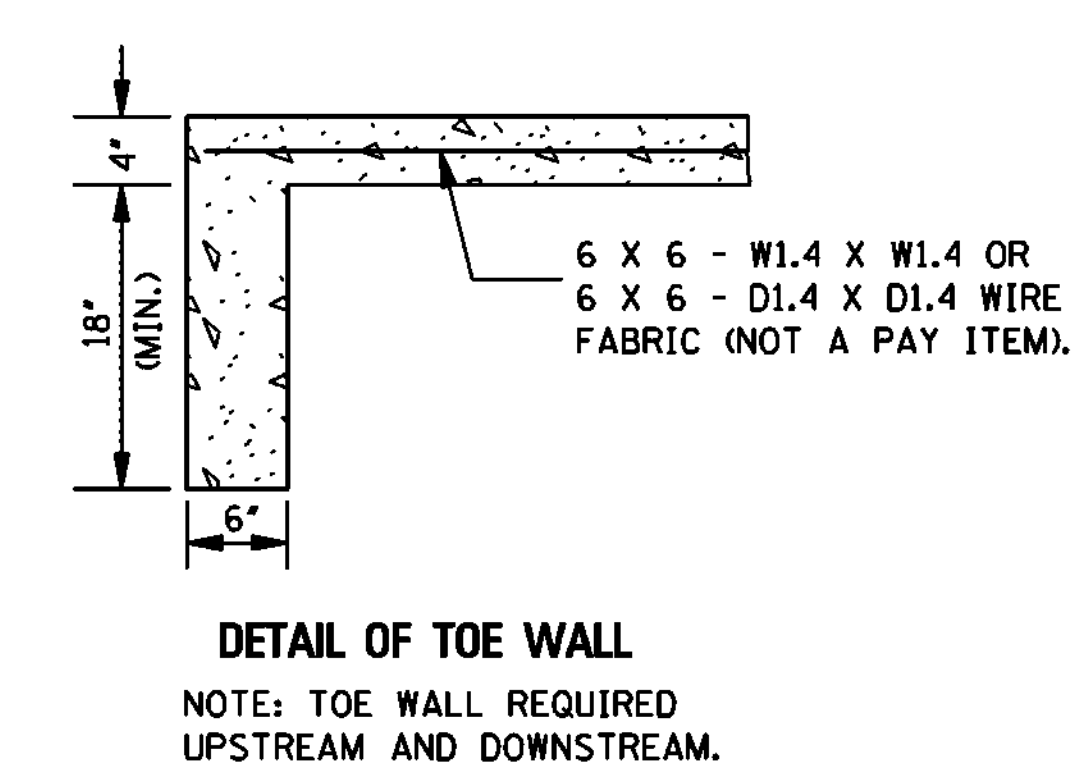
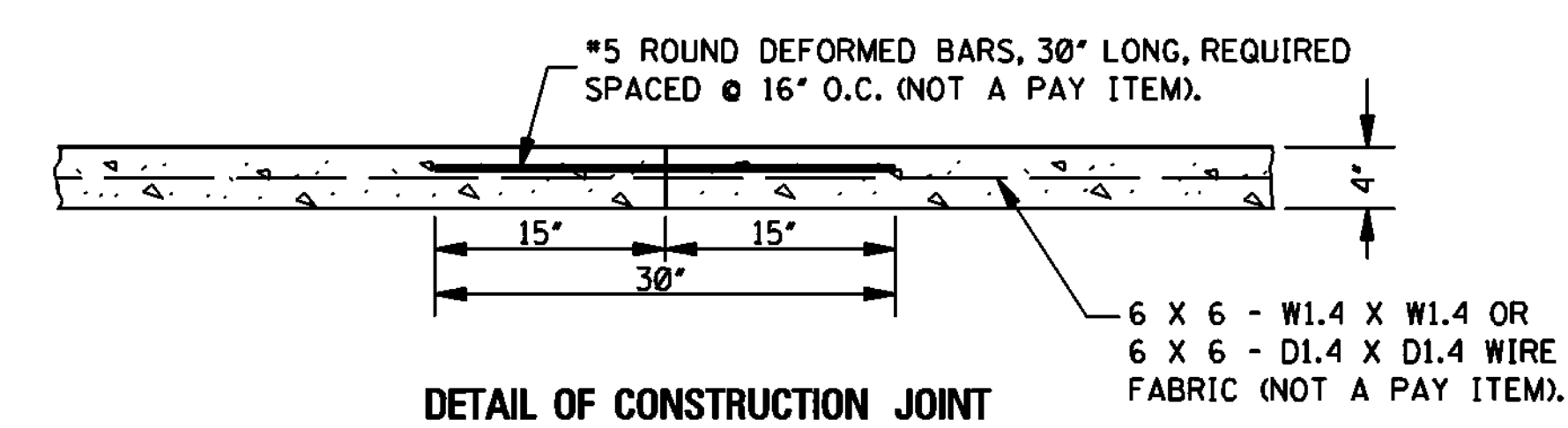
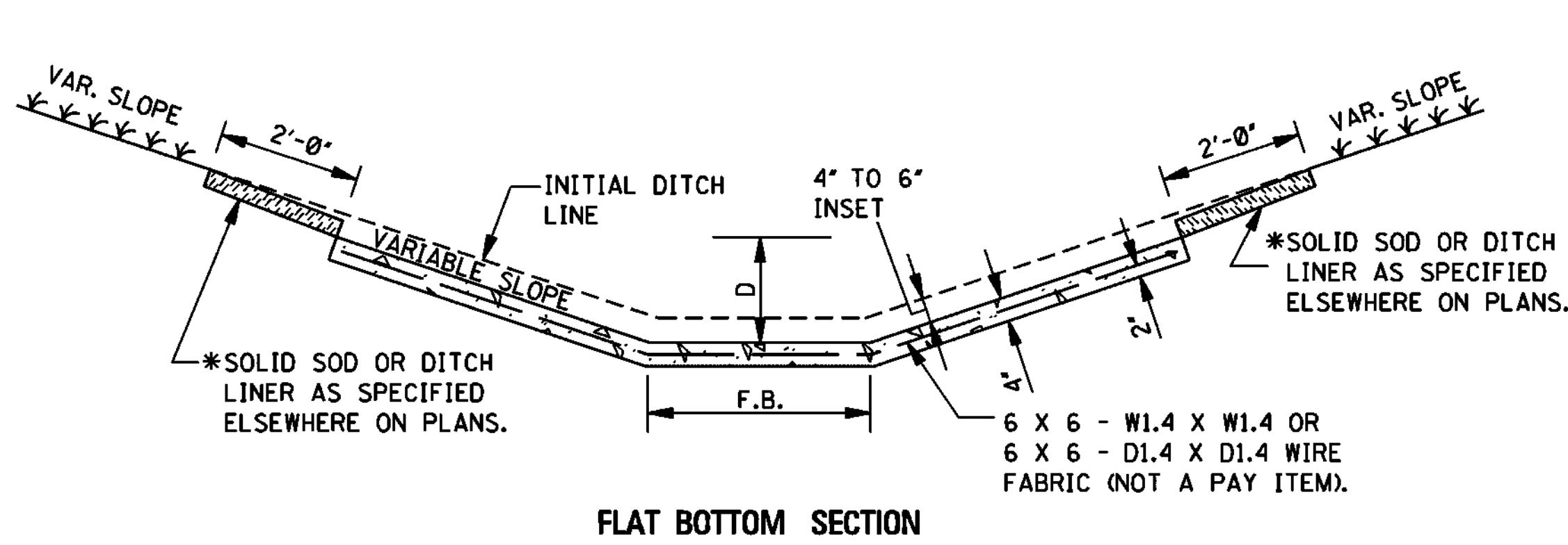
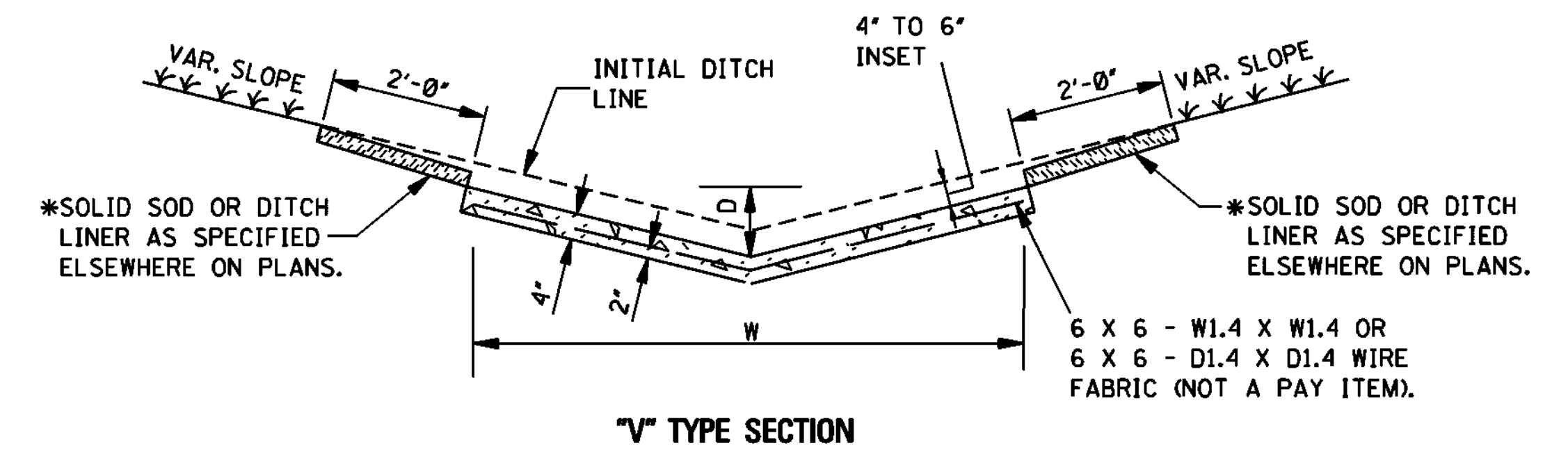
SAND BAG DITCH CHECKS ARE USED FOR VELOCITY REDUCTION AND MINIMAL SEDIMENT TRAPPING IN CONCRETE PAVED DITCHES OR IN DITCHES THAT HAVE ROCKY BOTTOMS.



SECTION A-A

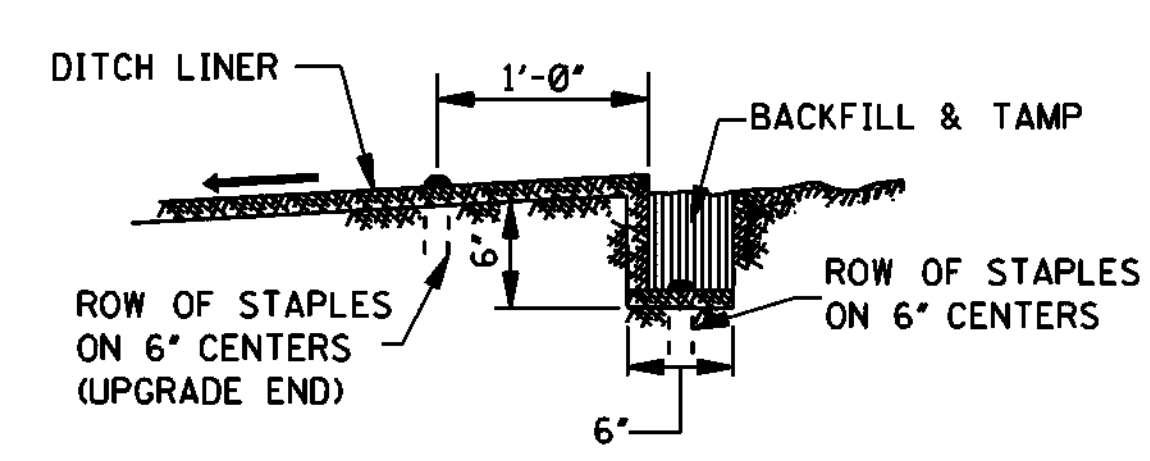
ELEVATION DETAIL

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK	
DATE	FILENAME: EROSION CONTROL/ECD-20.DGN
DESIGN TEAM	CHECKED
DATE	DATE
WORKING NUMBER ECD-20	
SHEET NUMBER 76	



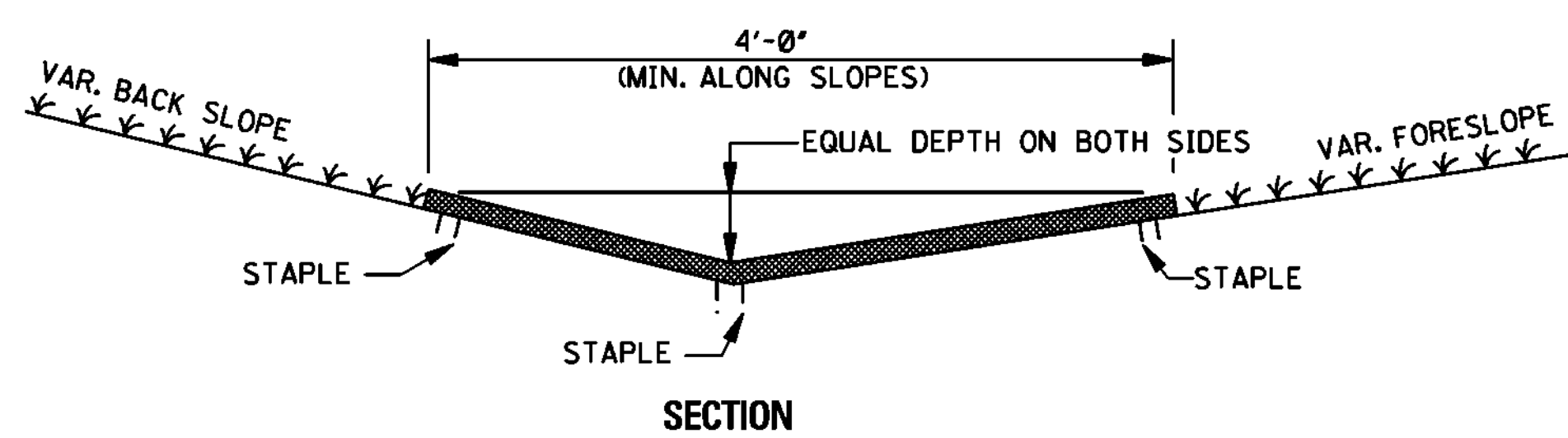
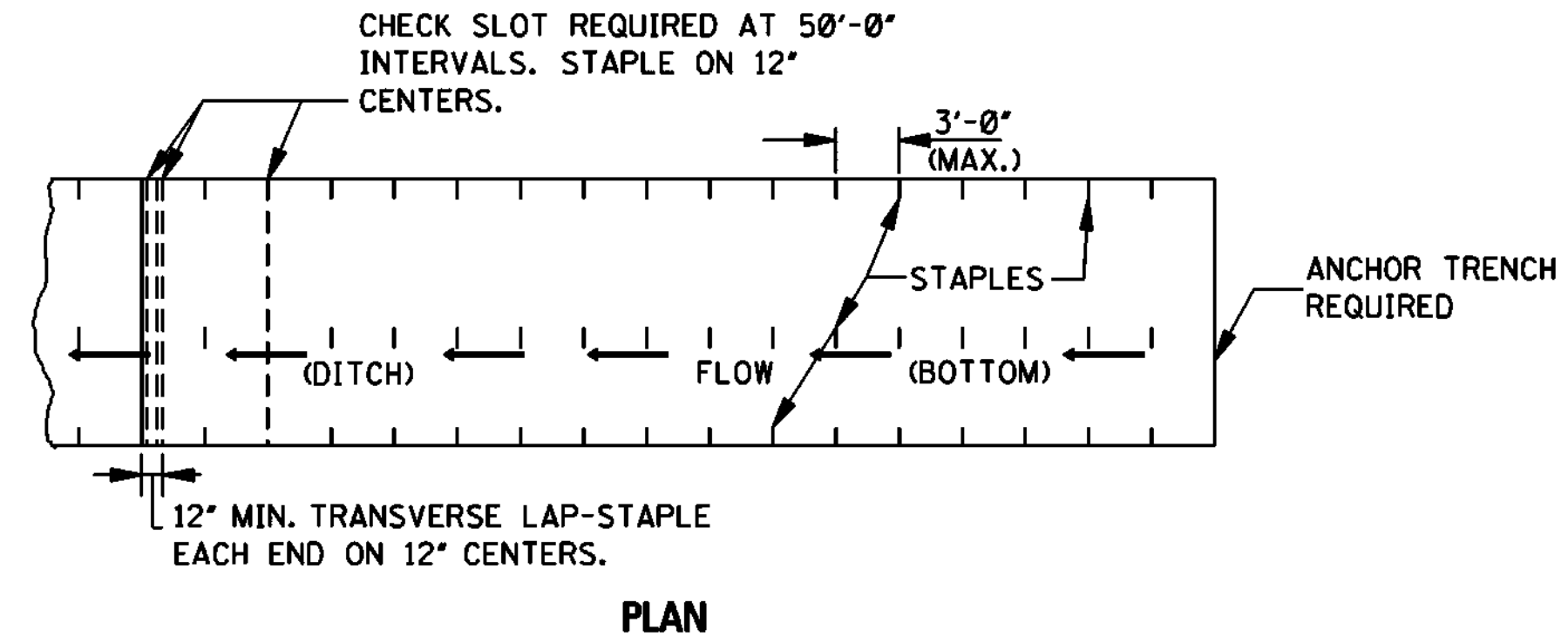
CONCRETE PAVED DITCH

- NOTES:
- CONCRETE PAVED DITCHES SHALL BE GROOVED AT 20'-0" INTERVALS. THE GROOVES SHALL BE CUT TO A DEPTH OF NOT LESS THAN 1".
 - DIMENSIONS D & W ARE AS FOLLOWS:
D(MINIMUM) = 6"
D(NOMINAL) = 9"
W(MINIMUM) = 24"
 - CHAIR SUPPORTS FOR THE WIRE MESH WILL NOT BE REQUIRED. HOWEVER, THE CONTRACTOR SHALL PLACE THE WIRE MESH IN A SATISFACTORY AND WORKMANLIKE MANNER TO ENSURE THAT THE FINAL POSITION IS REASONABLY NEAR THE POSITION INDICATED.
 - *4. CENTER ROW OF STAPLES MAY BE OMITTED ON DITCH LINER.



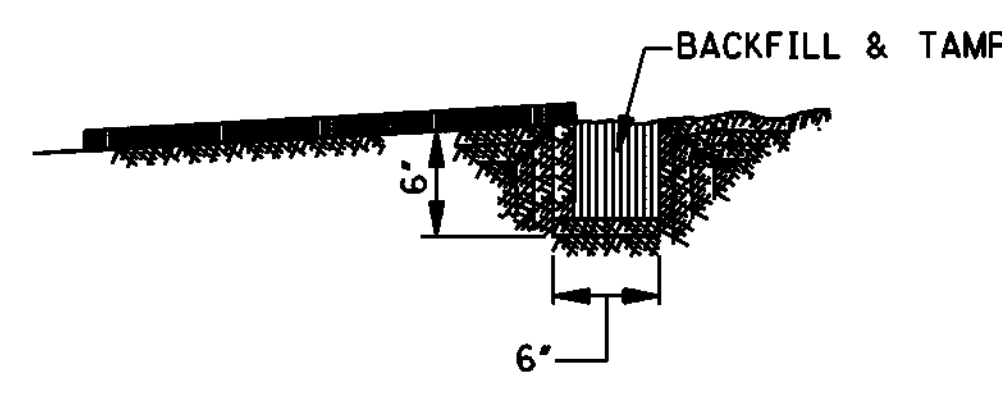
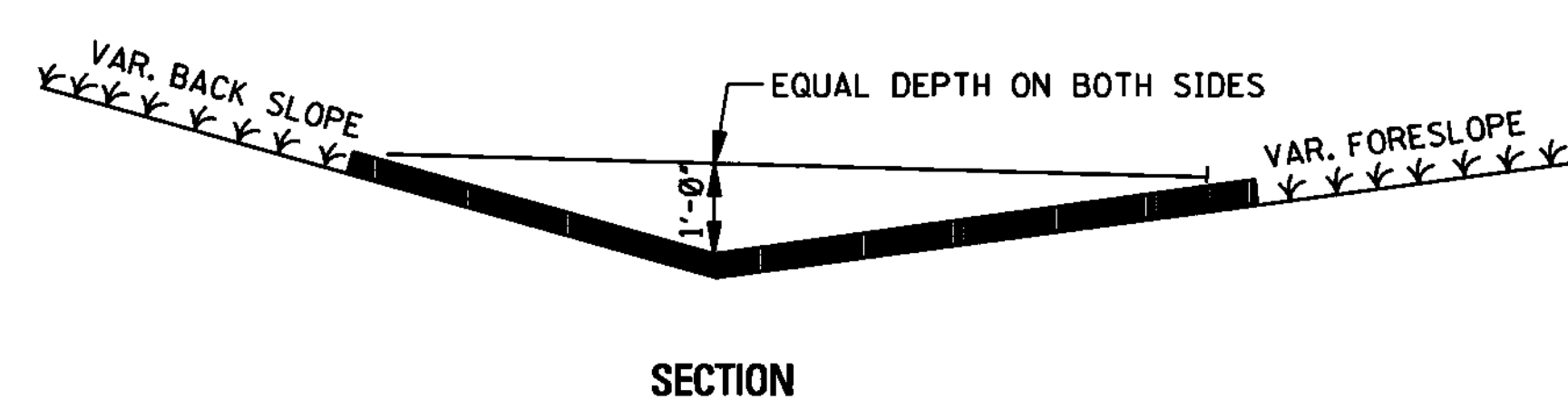
ANCHOR TRENCH DETAIL

NOTE: ANCHOR TRENCH REQUIRED AT THE BEGINNING AND ENDING OF EACH AREA TO BE COVERED, EXCEPT DOWNSTREAM END ADJOINING A STRUCTURE.



DITCH LINER TREATMENT
(EXCELSIOR BLANKET, JUTE MESH OR EROSION CONTROL FABRIC)

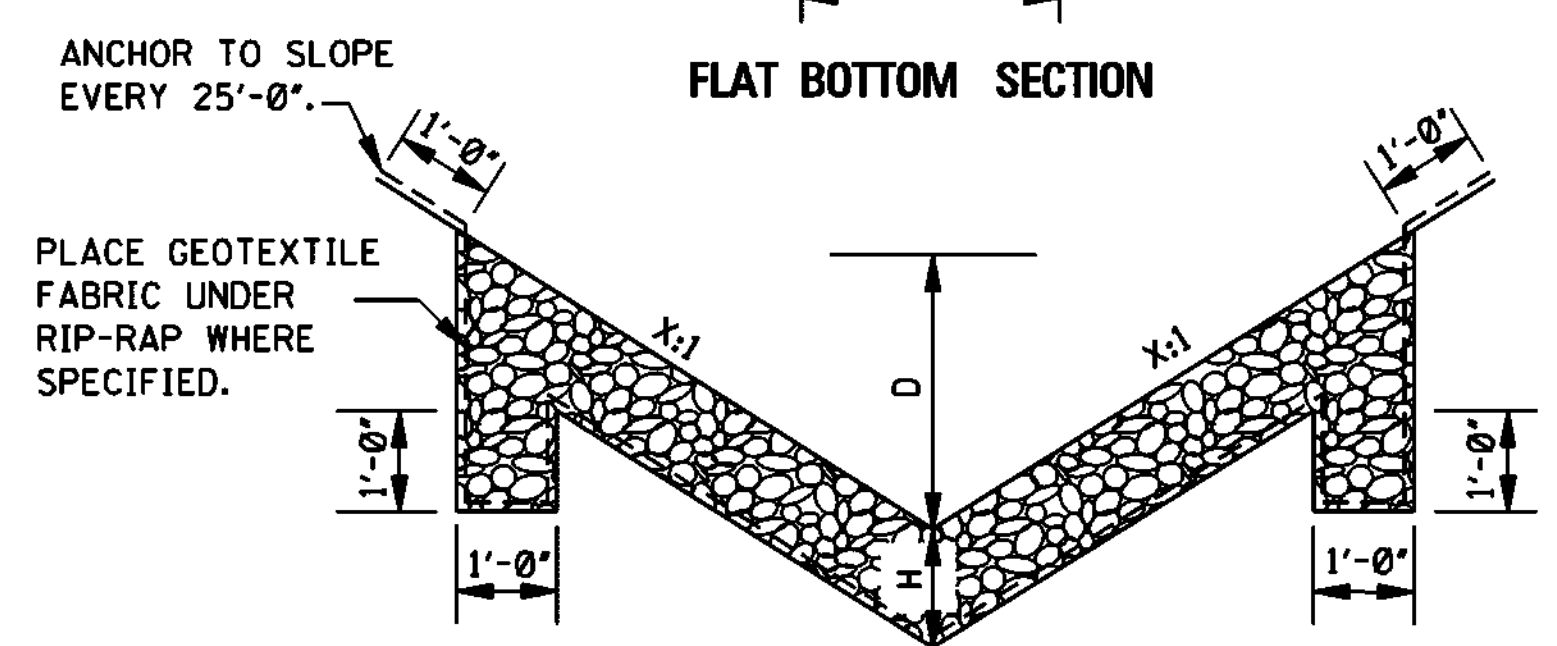
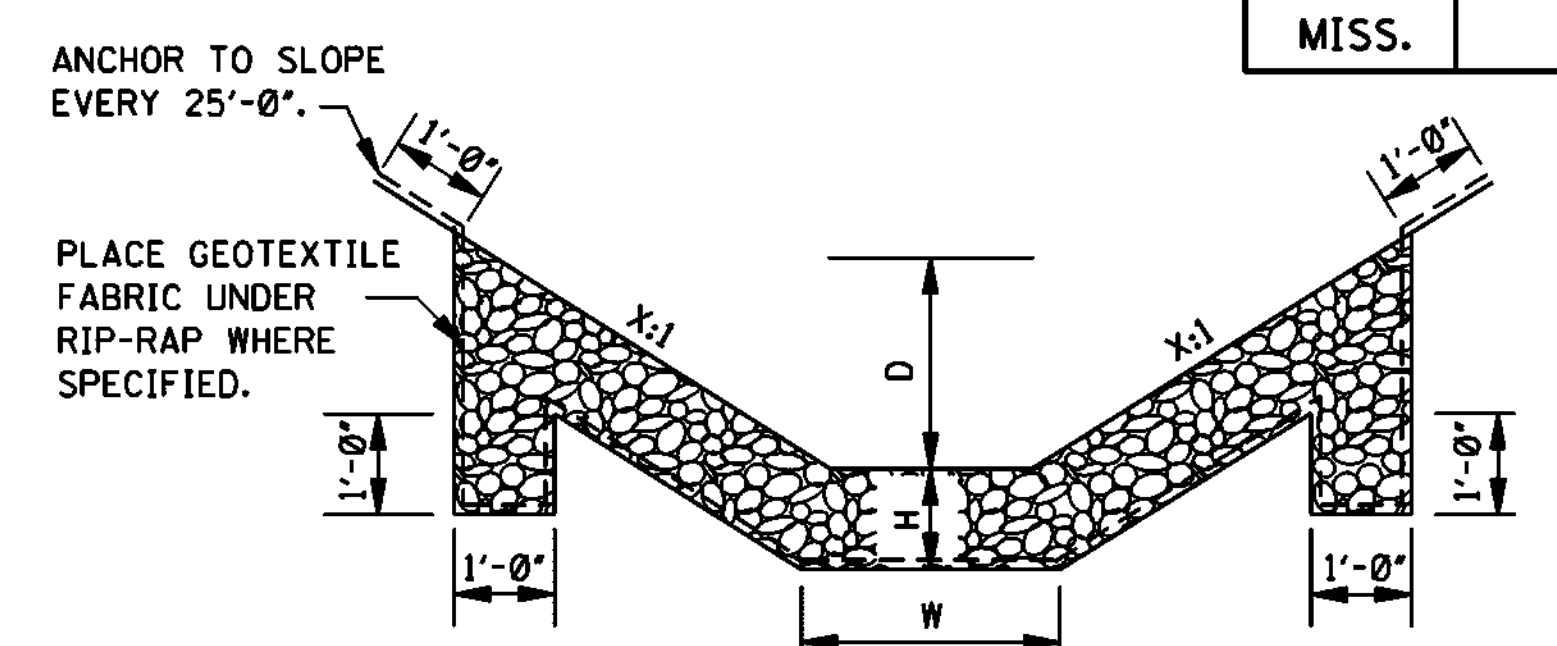
NOTE: DITCHES TREATED WITH DITCH LINER WILL BE VEGETATED PRIOR TO TREATMENT, UNLESS OTHERWISE INDICATED.



SLOT DETAIL

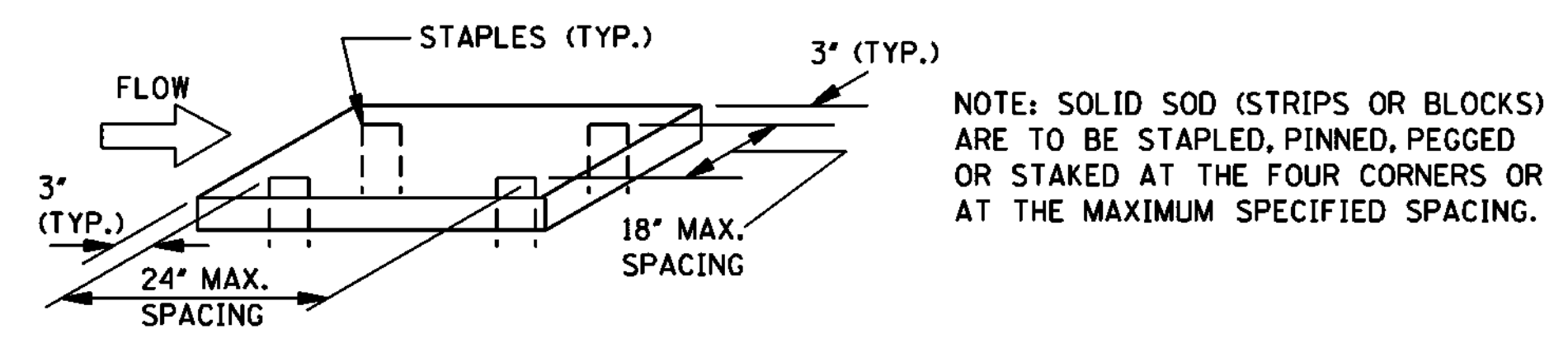
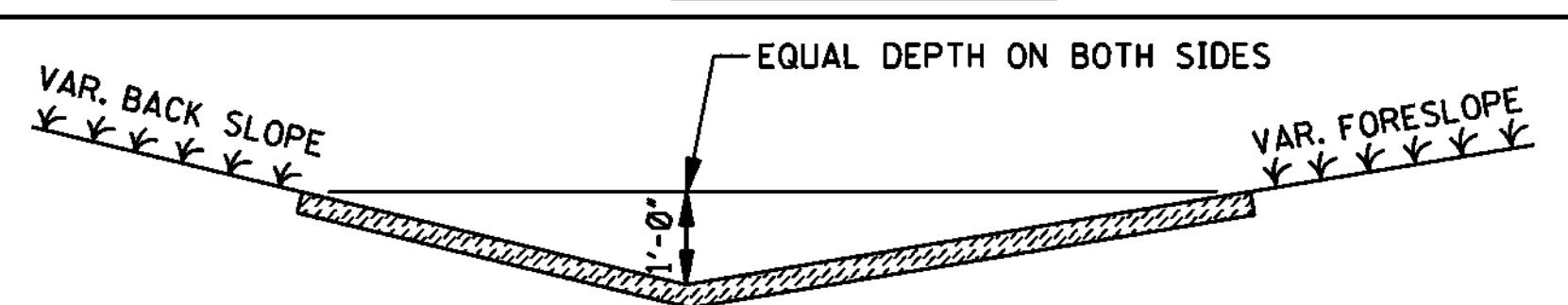
BITUMINOUS TREATED ROVING

NOTE: UPGRADE AND DOWNGRADE ENDS OF THE BITUMINOUS TREATED ROVING SHALL BE BURIED IN A 6" MINIMUM VERTICAL SLOT AND THE SOIL TAMPED FIRMLY AGAINST IT.



- NOTES:
- DIMENSIONS D, W AND X ARE VARIABLE AND ARE SHOWN ELSEWHERE ON THE PLANS.
 - THE RIP-RAP SIZE AND MINIMUM DEPTH "H" FOR RIP-RAP TREATMENT ARE AS FOLLOWS.

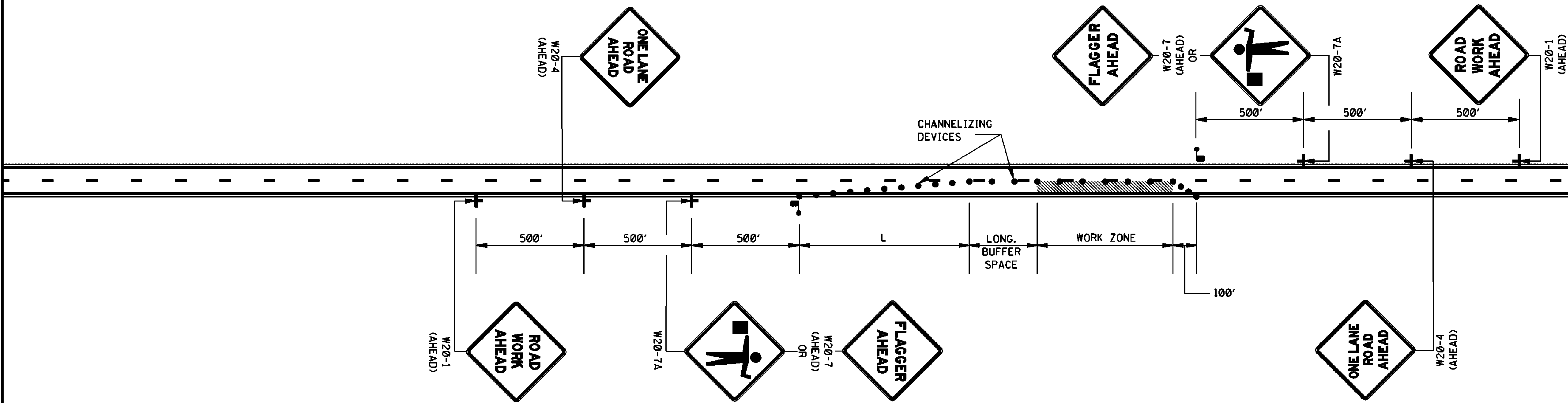
RIP-RAP SIZE & MINIMUM DEPTH "H"	
H (in)	RIP-RAP SIZE (lbs)
12"	100
18"	300



- GENERAL NOTE:
- FOR LOCATION OF APPROPRIATE DITCH TREATMENTS, SEE PLAN SHEETS AS DENOTED BY THE FOLLOWING LEGEND OR AS DIRECTED BY THE ENGINEER:

- DITCH LINER
- BITUMINOUS TREATED ROVING
- SOLID SOD
- CONCRETE PAVED DITCH
- RIP-RAP

		BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
		REVISION		
		DATE	ISSUE DATE: OCTOBER 1, 1998	
			DETAILS OF TYPICAL DITCH TREATMENTS	
			WORKING NUMBER DT-1	
			SHEET NUMBER 6145	



GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:

POSTED SPEED AND/OR DESIGN SPEED	MAXIMUM CHANNELIZING DEVICE SPACING (ft†)		MINIMUM LONGITUDINAL BUFFER SPACE (ft†)	TAPER † RATES
	TAPER	ALONG LANE LINE & WORK ZONE		
mph				
≤40	40	80	170	27:1
45	45	90	220	45:1
50	50	100	280	50:1
55	55	110	335	55:1
60	60	120	415	60:1
65	65	130	485	65:1
70	70	140	575	70:1

† NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:
L = WS FOR SPEEDS OF 45 mph OR GREATER
L = WS²/60 FOR SPEEDS OF 40 mph OR LESS
WHERE: L = MINIMUM LENGTH OF TAPER IN FEET
W = WIDTH OF OFFSET (USUALLY LANE WIDTH) IN FEET
S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR

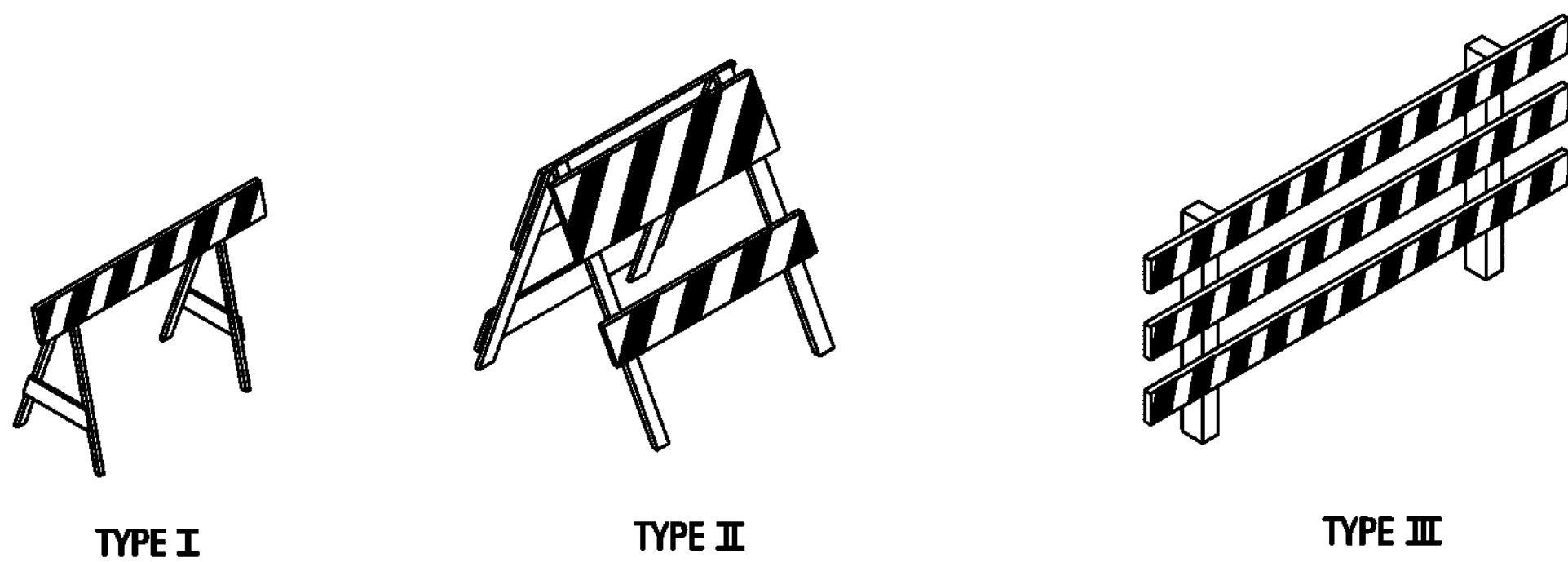
2. ALL CHANNELIZING DEVICES SHALL BE A MINIMUM OF 24" IN HEIGHT.
3. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.
4. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 48" x 48".
5. WHEN THERE IS NO EXISTING HAZARD OR AT THE END OF THE WORK DAY, ALL SIGNS SHALL BE COVERED OR REMOVED AND ALL CHANNELIZING DEVICES SHALL BE MOVED TO THE SHOULDER EDGE.
6. WHERE THE WORK ZONE IS STATIONARY, THE W20-7 (500 FT.) SIGN OR THE W20-7A SIGN TOGETHER WITH THE W20-7 (500 FT.) SUPPLEMENTAL PLATE SHOULD BE USED TO INDICATE THE DISTANCE TO THE FLAGGER.

LEGEND

- FLAGGER
- CHANNELIZING DEVICES

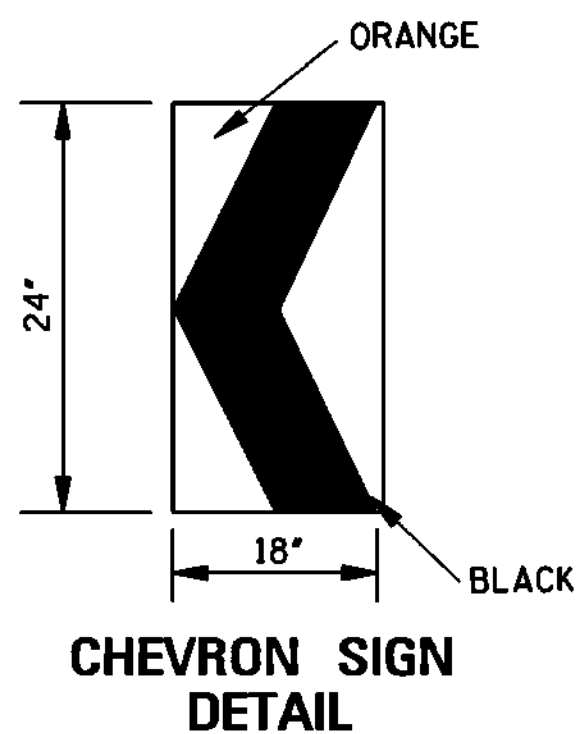
				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
				REVISION		
				DATE	ISSUE DATE: <u>OCTOBER 1, 1998</u>	
					WORKING NUMBER TCP-1	
					SHEET NUMBER 6250	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

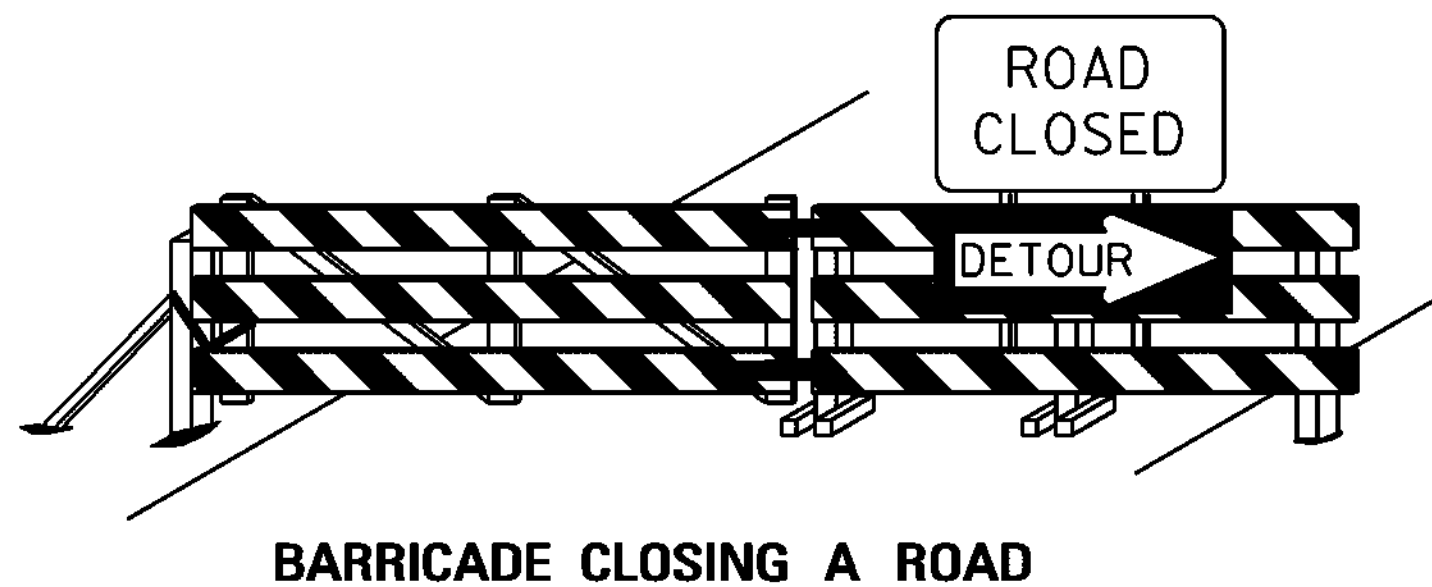


STANDARD BARRICADES

1. A TYPE I BARRICADE CONSISTS OF ONE (1) HORIZONTAL RAIL SUPPORTED BY A DEMOUNTABLE FRAME OR A LIGHT "A" FRAME. A TYPE I BARRICADE NORMALLY WOULD BE USED ON CONVENTIONAL ROADS OR URBAN STREETS AND ARTERIALS.
2. A TYPE II BARRICADE CONSISTS OF TWO (2) HORIZONTAL RAILS ON A LIGHT "A" FRAME. TYPE II BARRICADES ARE INTENDED FOR USE ON EXPRESSWAYS AND FREEWAYS AND OTHER HIGH-SPEED ROADWAYS.
3. TYPE I AND TYPE II BARRICADES ARE INTENDED FOR USE WHERE THE HAZARD IS RELATIVELY SMALL AS, FOR EXAMPLE, ON CITY STREETS, OR FOR THE MORE OR LESS CONTINUOUS DELIMITING OF A RESTRICTED ROADWAY, OR FOR TEMPORARY DAYTIME USE.
4. A TYPE III BARRICADE CONSISTS OF THREE (3) HORIZONTAL RAILS SUPPORTED BY FIXED POSTS, A RIGID SKID, A HEAVY DEMOUNTABLE FRAME OR A HEAVY, HINGED "A" FRAME.
5. TYPE III BARRICADES ARE INTENDED FOR USE ON CONSTRUCTION AND MAINTENANCE PROJECTS AS WING BARRICADES AND AT ROAD CLOSURES, WHERE THEY MUST REMAIN IN PLACE FOR EXTENDED PERIODS.
6. THE MARKING FOR BARRICADE RAILS SHALL BE ORANGE AND WHITE (SLOPING DOWNWARD AT AN ANGLE OF 45° IN THE DIRECTION TRAFFIC IS TO PASS).
7. DO NOT PLACE SANDBAGS OR OTHER DEVICES TO PROVIDE MASS ON THE BOTTOM RAIL THAT WILL BLOCK VIEW OR RAIL FACE.
8. FOR ADDITIONAL INFORMATION OR DETAILS, SEE MUTCD, LATEST EDITION.



1. A CHEVRON SIGN CONSISTS OF A BLACK CHEVRON TYPE MARKING ON AN ORANGE BACKGROUND AND SHALL POINT IN THE DIRECTION OF TRAFFIC FLOW.
2. THE CHEVRON SIGN SHALL BE MOUNTED ON FIXED POST OR RIGID SKID.
3. CHEVRON SIGNS MAY BE USED TO SUPPLEMENT OTHER STANDARD DEVICES WHERE ONE OR MORE LANES ARE CLOSED FOR CONSTRUCTION OR MAINTENANCE. THEY SHALL BE PLACED APPROXIMATELY 2'-0" BEHIND THE LANE TRANSITION STRIPE.

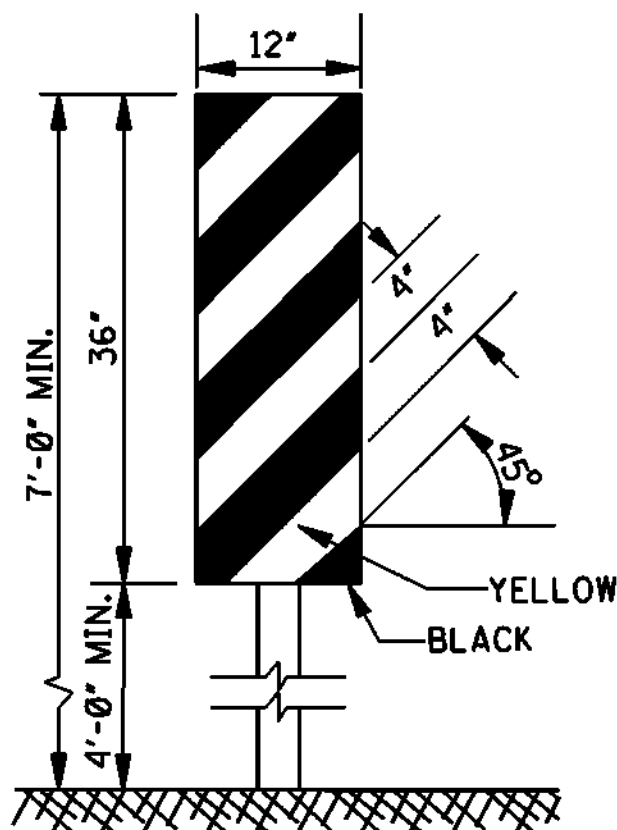


BARRICADE CLOSING A ROAD

BARRICADE CHARACTERISTICS

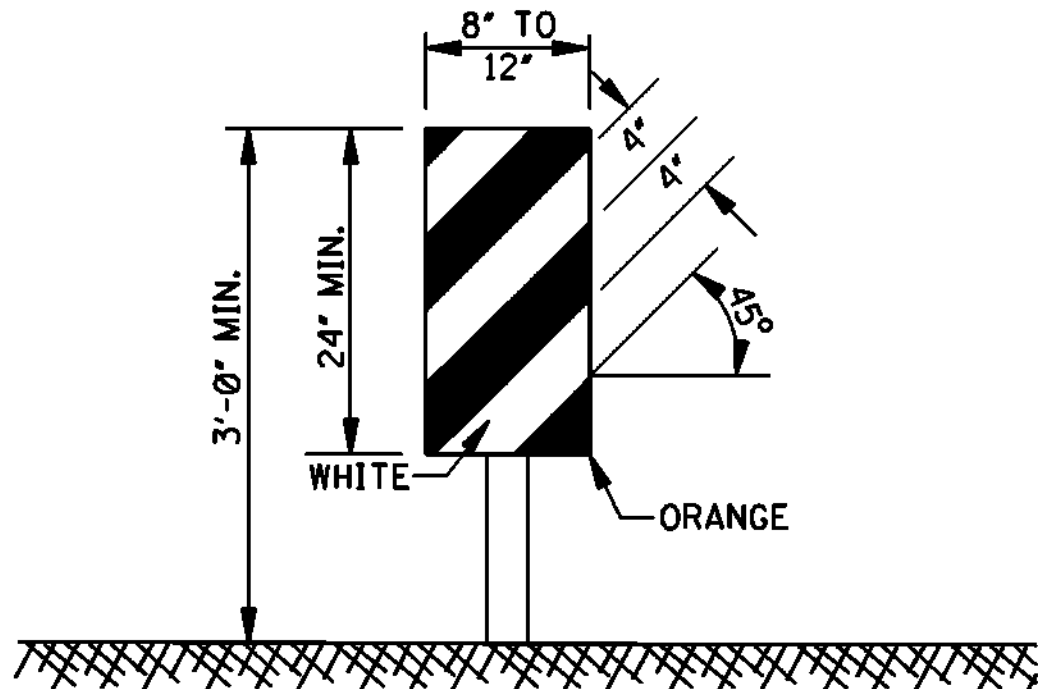
	I	II	III
WIDTH OF RAIL **	8" MIN. - 12" MAX.	8" MIN. - 12" MAX.	8" MIN. - 12" MAX.
LENGTH OF RAIL **	24" MIN.	24" MIN.	48" MIN.
WIDTH OF STRIPE *	6"	6"	6"
HEIGHT	36" MIN.	36" MIN.	60" MIN.
NUMBER OF REFLECTORIZED RAIL FACES	2 (ONE EACH DIRECTION)	4 (TWO EACH DIRECTION)	3 IF FACING TRAFFIC IN ONE DIRECTION 6 IF FACING TRAFFIC IN TWO DIRECTIONS
TYPE OF FRAME	LIGHT	LIGHT "A" FRAME	POST OR SKID

- * 1. FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED.
- ** 2. BARRICADES INTENDED FOR USE ON EXPRESSWAYS, FREEWAYS AND OTHER HIGH SPEED ROADWAYS, SHALL HAVE A MINIMUM OF 270 in² OF REFLECTIVE AREA FACING TRAFFIC.



TYPE 3 OBJECT MARKER (OM-3R)

1. TYPE 3 OBJECT MARKERS SHALL BE USED AT ALL EXPOSED BRIDGE ABUTMENTS AND AT OTHER LOCATIONS AS DEEMED NECESSARY BY THE ENGINEER.
2. THE OM-3R IS SHOWN. THE OM-3L IS SIMILAR EXCEPT THE STRIPES SLOPE DOWNWARD FROM THE UPPER LEFT SIDE TO THE LOWER RIGHT SIDE AND SHALL BE PLACED ON THE LEFT SIDE OF THE OBJECT.
3. THE INSIDE EDGE OF THE MARKER SHALL BE IN LINE WITH THE INNER EDGE OF THE OBSTRUCTION.

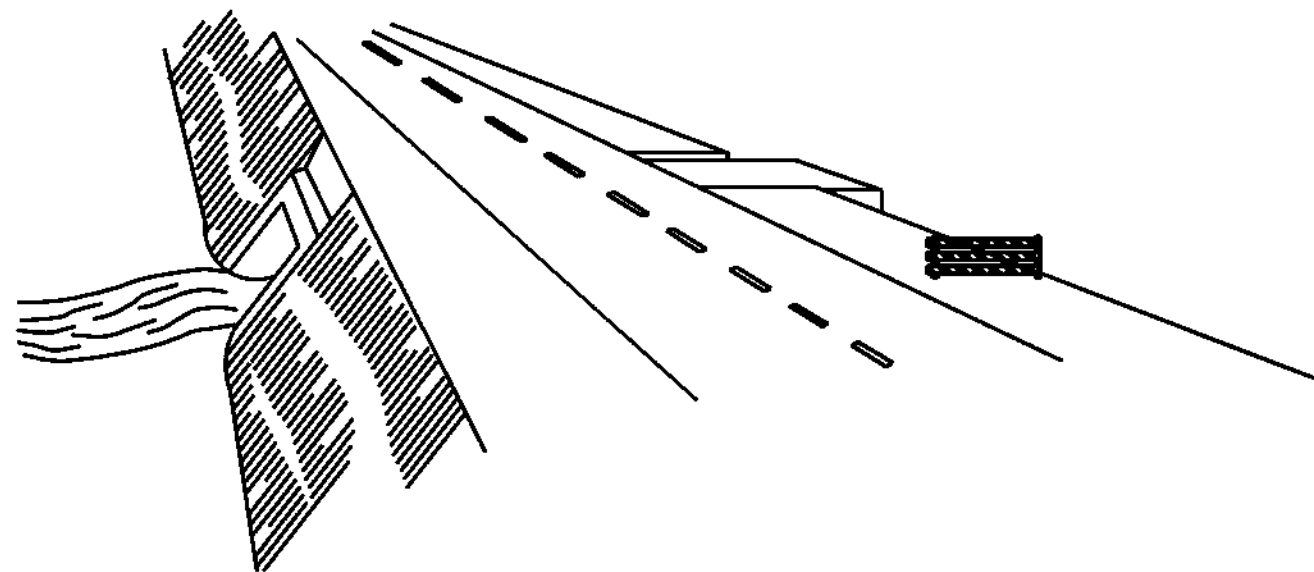


VERTICAL PANEL

1. VERTICAL PANELS CONSIST OF AT LEAST ONE PANEL 8" TO 12" IN WIDTH AND A MINIMUM OF 24" IN HEIGHT.
2. THE DIAGONAL STRIPES SHALL SLOPE DOWNWARD IN THE DIRECTION THAT TRAFFIC IS TO PASS THE PANEL. THE PANELS SHALL BE MOUNTED WITH THE TOP A MINIMUM OF 36" ABOVE THE ROADWAY ON A SINGLE LIGHTMASS POST.
3. VERTICAL PANELS USED ON EXPRESSWAYS, FREEWAYS AND OTHER HIGH-SPEED ROADWAYS SHALL HAVE A MINIMUM OF 270 in² OF RETROREFLECTIVE AREA FACING TRAFFIC.
4. FOR TWO-WAY TRAFFIC OPERATIONS, BACK-TO-BACK PANELS SHALL BE USED.

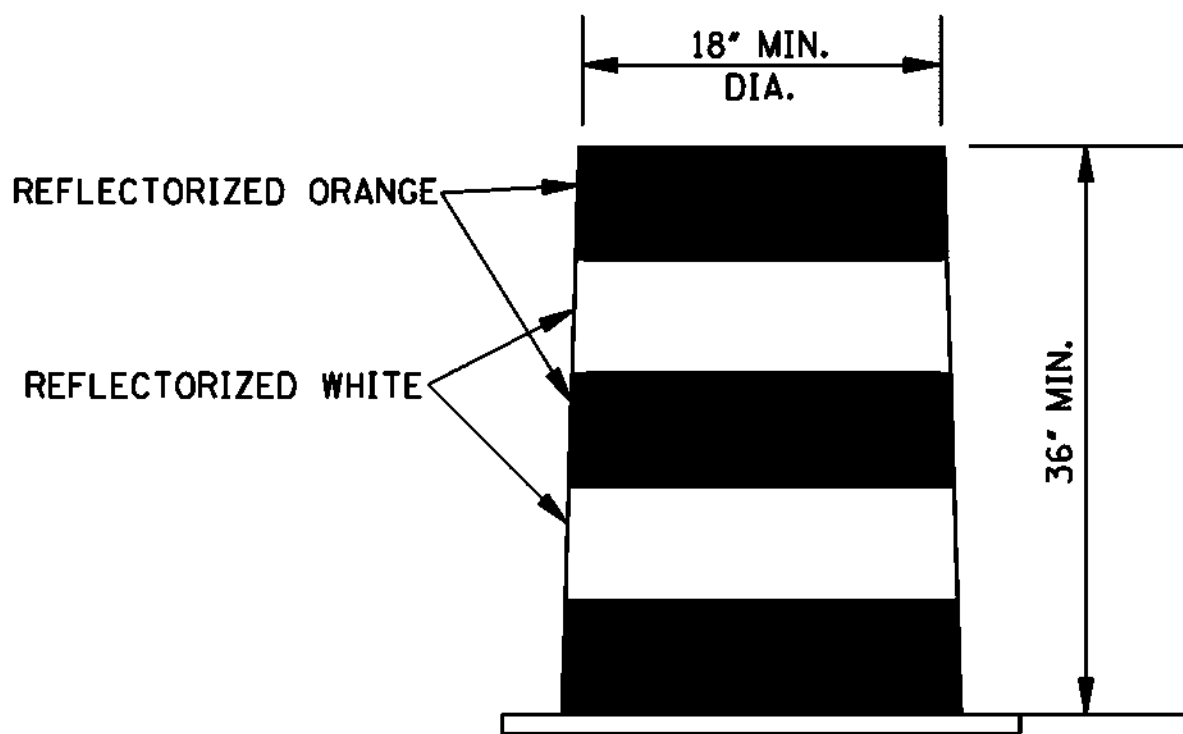
GENERAL NOTES:

1. MARKINGS ON ALL DEVICES SHOWN ON THIS SHEET SHALL BE HIGH INTENSITY REFLECTIVE SHEETING.
2. THE TRAFFIC CONTROL PLAN WILL LIST THE VARIOUS TRAFFIC CONTROL DEVICES REQUIRED FOR EACH PROJECT.



WING BARRICADES

1. WING BARRICADES ARE TYPE III BARRICADES ERECTED ON THE SHOULDER ON ONE OR BOTH SIDES OF THE PAVEMENT TO GIVE THE SENSATION OF A NARROWING OR RESTRICTED ROADWAY. WING BARRICADES MAY BE USED AS A MOUNTING FOR THE ADVANCE WARNING SIGNS OR FLASHERS.
2. WING BARRICADES SHOULD BE USED:
 - A. IN ADVANCE OF A CONSTRUCTION PROJECT EVEN WHEN NO PART OF THE ROADWAY IS ACTUALLY CLOSED.
 - B. IN ADVANCE OF ALL BRIDGE OR CULVERT WIDENING OPERATIONS.



PLASTIC DRUM STRIPING DETAIL

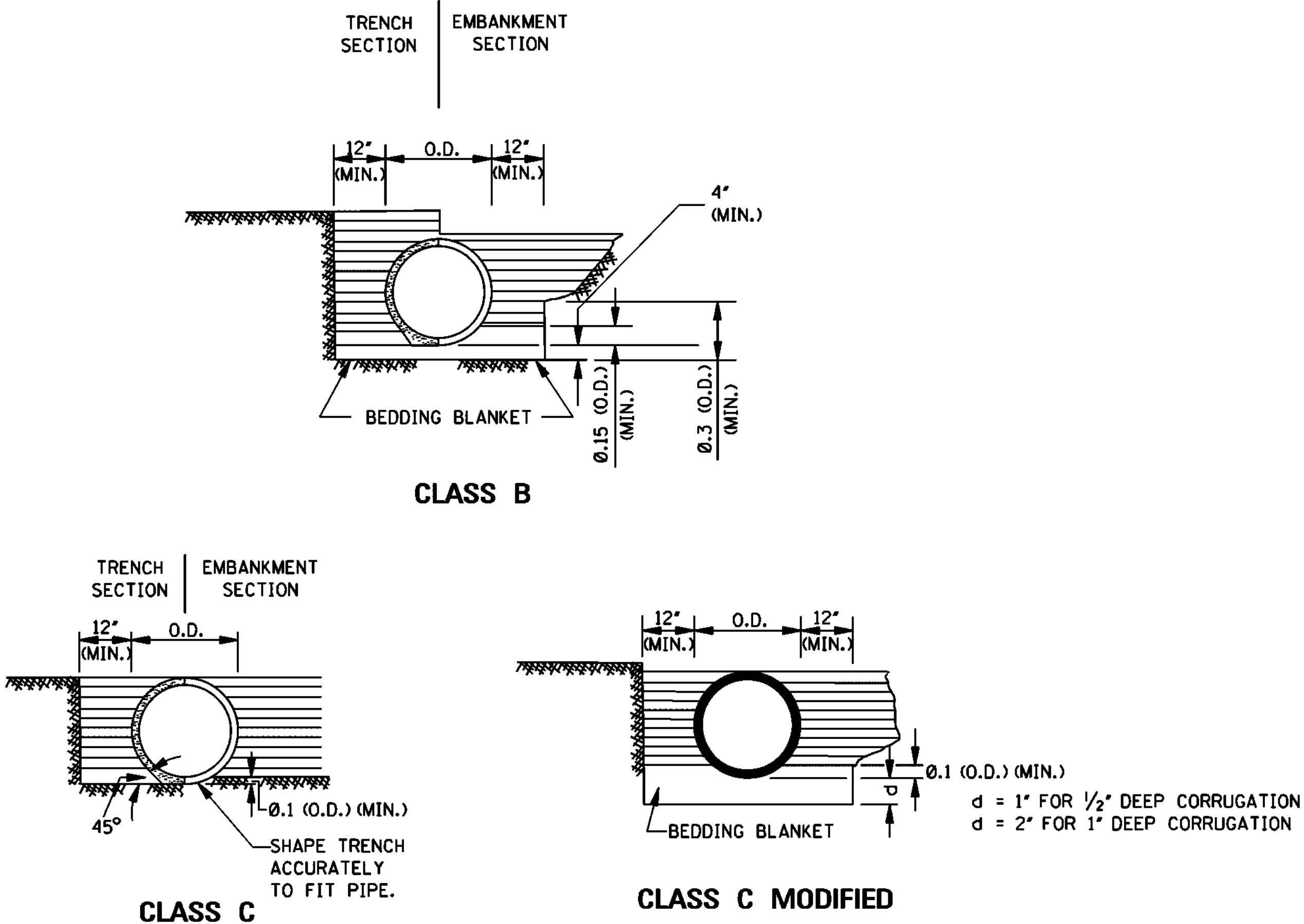
1. PLASTIC DRUMS SHALL BE ON END AND USED AS AN EXPEDIENT METHOD FOR TRAFFIC CHANNELIZATION. THE COLOR AND MARKING OF DRUMS SHALL BE CONSISTENT WITH MARKING STANDARDS FOR BARRICADE. THE PREDOMINANT COLOR ON DRUMS SHALL BE ORANGE WITH FOUR (4) REFLECTORIZED, HORIZONTAL, CIRCUMFERENTIAL STRIPES (2 ORANGE & 2 WHITE) 6" WIDE.
2. DRUMS SHOULD NEVER BE PLACED IN THE ROADWAY WITHOUT WARNING SIGNS.
3. WHERE PRACTICAL PLASTIC DRUMS SHALL BE PLACED NO CLOSER THAN 3'-0" FROM THE EDGE OF TRAVELED LANE.

		BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
		REVISION		HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	
		DATE			
		ISSUE DATE: _____		OCTOBER 1, 1998	
				WORKING NUMBER TCP-10	
				SHEET NUMBER 6259	

STATE	PROJECT NO.
MISS.	

CORRUGATED STEEL AND ALUMINUM PIPE (ROUND) H-20 LOADING						
PIPE DIAMETER (in)	MINIMUM COVER FROM TOP OF PIPE TO TOP OF SUBGRADE (in)	MAXIMUM FILL HEIGHT ABOVE TOP OF PIPE (ft)				
		SHEET THICKNESS (in)				
		0.064 STEEL 0.060 ALUM. 16 GAGE	0.079 STEEL 0.075 ALUM. 14 GAGE	0.109 STEEL 0.105 ALUM. 12 GAGE	0.138 STEEL 0.135 ALUM. 10 GAGE	0.168 STEEL 0.164 ALUM. 8 GAGE
		2 3/4" X 1/2" CORRUGATED STEEL / RIVETED, WELDED OR HELICAL	3" X 1" OR 5" X 1" CORRUGATED STEEL / RIVETED, WELDED, HELICAL OR BOLTED	2 3/4" X 1/2" CORRUGATED ALUMINUM RIVETED OR HELICAL		
12"	12"	84' / - / 45'	91' / - / 45'	- / - / 78'	- / - / 81'	- / - / 84'
15"	12"	67' / - / -	73' / - / -	- / - / -	- / - / -	- / - / -
18"	12"	56' / - / 30'	61' / - / 30'	- / - / 52'	- / - / 54'	- / - / 56'
24"	12"	42' / - / 22'	46' / - / 22'	59' / - / 39'	- / - / 41'	- / - / 42'
30"	12"	34' / - / 18'	36' / - / 18'	47' / - / 31'	- / - / 32'	- / - / 34'
36"	12"	28' / 48' / 15'	30' / 60' / 15'	39' / 78' / 26'	41' / 89' / 27'	- / 101' / 28'
42"	12"	31' / 41' / -	43' / 51' / 26'	46' / 64' / 43'	48' / 71' / 43'	50' / 79' / 44'
48"	12"	27' / 36' / -	37' / 45' / -	45' / 57' / 40'	46' / 61' / 41'	47' / 66' / 43'
54"	12"	- / 32' / -	33' / 40' / -	43' / 52' / 35'	44' / 55' / 37'	45' / 59' / 38'
60"	12"	- / 29' / -	- / 36' / -	43' / 49' / -	43' / 51' / 33'	44' / 54' / 34'
66"	12"	- / 26' / -	- / 33' / -	42' / 47' / -	43' / 49' / 30'	43' / 51' / 31'
72"	12"	- / 24' / -	- / 30' / -	- / 44' / -	41' / 47' / -	43' / 49' / 29'
78"	12"	- / 22' / -	- / 28' / -	- / 41' / -	- / 46' / -	39' / 47' / -
84"	12"	- / 21' / -	- / 26' / -	- / 38' / -	- / 45' / -	35' / 46' / -
90"	12"	- / 19' / -	- / 24' / -	- / 35' / -	- / 43' / -	- / 45' / -
96"	12"	- / 18' / -	- / 22' / -	- / 33' / -	- / 40' / -	- / 44' / -
102"	24"	- / 17' / -	- / 21' / -	- / 31' / -	- / 38' / -	- / 42' / -
108"	24"	- / - / -	- / 20' / -	- / 30' / -	- / 35' / -	- / 39' / -
114"	24"	- / - / -	- / 19' / -	- / 28' / -	- / 34' / -	- / 37' / -
120"	24"	- / - / -	- / - / -	- / 27' / -	- / 32' / -	- / 35' / -

NOTE: THE AVERAGE INSIDE DIAMETER SHALL NOT VARY MORE THAN ONE (1) PERCENT OR 1/2", WHICHEVER IS GREATER, FROM THE NOMINAL DIAMETER WHEN MEASURED ON THE INSIDE CREST OF THE CORRUGATIONS (AASHTO M 36/M 36 & AASHTO M 196/M 196).



MAXIMUM HEIGHT OF FILL OVER REINFORCED CONCRETE PIPE			
CLASS OF PIPE	TYPE OF BACKFILL	MAXIMUM COVER (ft)	
		CLASS "C" BEDDING	CLASS "B" BEDDING
III	NORMAL	16'	-
IV	NORMAL	23'	28'
V	NORMAL	30'	36'
IV	IMPERFECT	-	98'
V	IMPERFECT	-	115'

NOTE: CLASS OF PIPE AND BEDDING TO BE CONSISTENT THROUGHOUT THE PIPE LENGTH.

MAXIMUM HEIGHT OF FILL OVER CLASS 2 NONREINFORCED CONCRETE PIPE, PERFORATED AND/OR PLAIN, FOR UNDERDRAINS				
PIPE SIZE (in)	MAXIMUM COVER (ft) BEDDING CLASS 'C'/CLASS 'B'			
	TRENCH			PROJECTING POSITIVE $p = 0.7; R_{sd} = 0.7$
	B_d (in)	SAND & GRAVEL	DAMP CLAY	
4"	2.00'	*	*	34'/42'
6"	2.00'	*	*	25'/30'
8"	2.25'	*	16'/ *	19'/24'
10"	2.50'	*	12'/20'	16'/19'
12"	2.75'	*	12'/18'	14'/17'

- NOTES:
1. INDICATES NO LIMIT OF FILL HEIGHT (130 lbs/ft³).
 2. TRENCH WIDTH (B_d) NO GREATER THAN 16" PLUS O.D.
 3. FACTOR OF SAFETY IS 1.25 ON MINIMUM ULTIMATE STRENGTH.
 4. MINIMUM COVER FOR HIGHWAY LOADS IS 18".
 5. PERFORATED PIPE SHALL BE TYPE 1.

GENERAL NOTES:

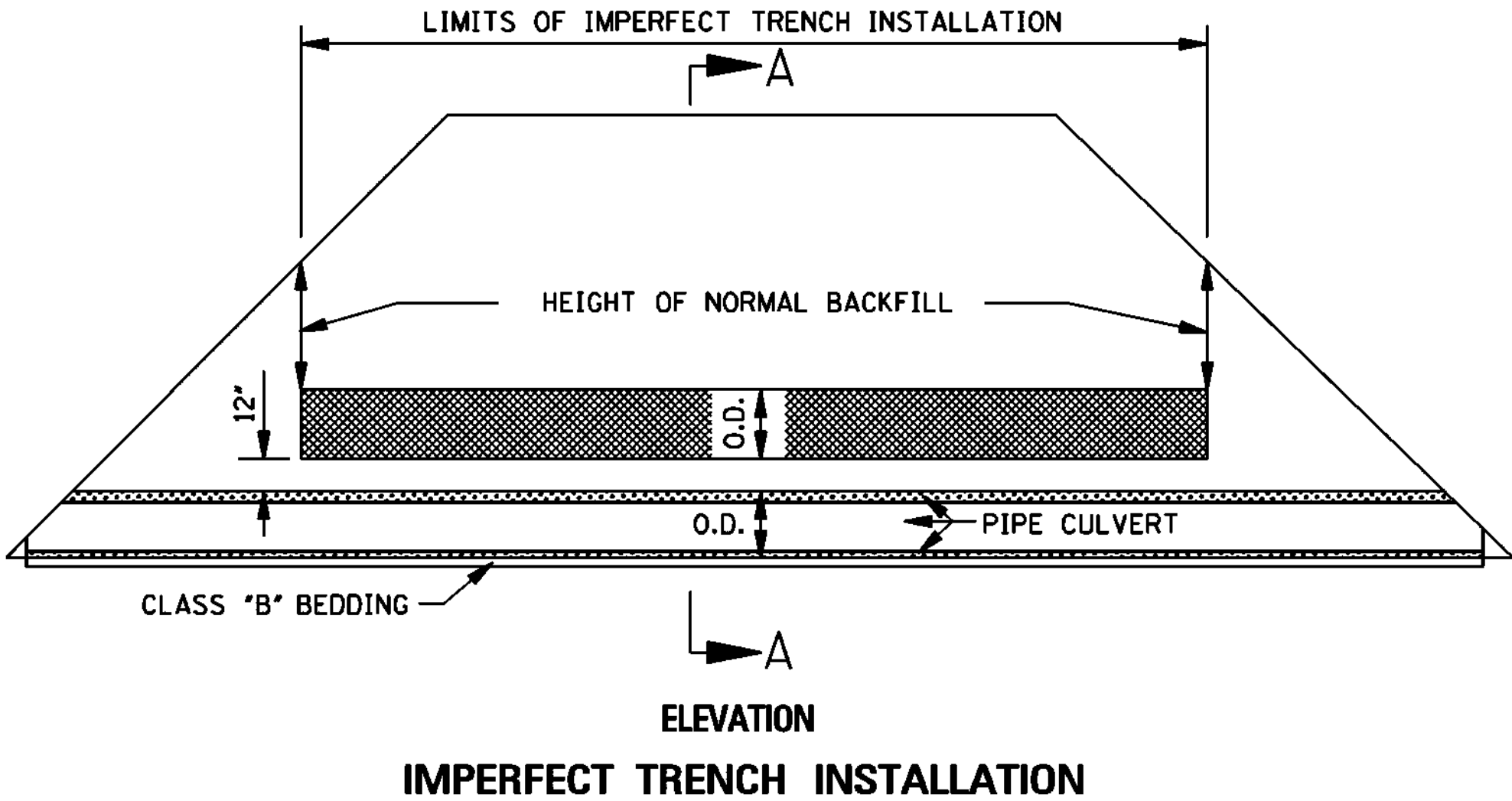
1. MINIMUM SPACING BETWEEN MULTIPLE LINES OF PARALLEL PIPE SHALL BE THE DISTANCE REQUIRED FOR INSTALLING THE ADJACENT FLARED END SECTIONS OR AS SHOWN ON THE HEADWALL DRAWINGS FOR CONDUITS REQUIRING HEADWALLS.
2. UNLESS OTHERWISE INDICATED, THE TOP OF THE PIPE SHALL BE BELOW THE TOP OF THE SUBGRADE, AND A MINIMUM OF 12" OF COVER OVER THE TOP OF THE PIPE SHALL BE MAINTAINED BETWEEN THE SHOULDER LINES.
3. WHERE PRE-BED PIPE IS INSTALLED, FLARED END SECTIONS FROM OTHER MANUFACTURERS MAY BE JOINED TO PRE-BED PIPE PROVIDED A CONCRETE COLLAR IS PLACED AT THE CONTRACTORS EXPENSE AND A DEFORMATION TO THE PIPE'S FLOWLINE IS NOT EVIDENT ON FINAL PLACEMENT.

CORRUGATED METAL PIPE ARCHES H-20 LOADING									
EQUIV. DIAMETER (in)	PIPE DIMENSION (SPAN X RISE) (in)	MINIMUM CORNER RADIUS (in)	MINIMUM COVER FROM TOP OF PIPE TO TOP OF SUBGRADE FOR 2 tons/ft ² (in)	STEEL			ALUMINUM		
				MINIMUM THICKNESS REQUIRED (in)	MAXIMUM FILL HEIGHT ABOVE TOP OF PIPE (ft) FOR THE FOLLOWING CORNER BEARING PRESSURE (tons/ft ²)		MINIMUM THICKNESS REQUIRED (in)	MAXIMUM FILL HEIGHT ABOVE TOP OF PIPE (ft) FOR THE FOLLOWING CORNER BEARING PRESSURE (tons/ft ²)	
					2 tons/ft ²	3 tons/ft ²		2 tons/ft ²	3 tons/ft ²
				2½" x ½" CORRUGATION RIVETED, WELDED OR HELICAL			2½" x ½" CORRUGATION RIVETED OR HELICAL		
15"	17" X 13"	3"	18"	0.064"	13'	15'+	0.060"	15'	-
18"	21" X 15"	3"	18"	0.064"	12'	15'+	0.060"	14'	-
24"	28" X 20"	3"	18"	0.064"	10'	15'	0.060"	10'	15'+
30"	35" X 24"	3"	18"	0.079"	9'	14'	0.060"	9'	14'
36"	42" X 29"	3½"	18"	0.079"	9'	13'	0.075"	9'	13'
42"	49" X 33"	4"	18"	0.079"	8'	12'	0.105"	8'	12'
48"	57" X 38"	5"	18"	0.109"	8'	12'	0.135"	8'	12'
54"	64" X 43"	6"	18"	0.109"	8'	12'	0.135"	8'	12'
60"	71" X 47"	7"	18"	0.138"	8'	12'	0.164"	8'	12'
66"	77" X 52"	8"	18"	0.168"	8'	12'			
72"	83" X 57"	9"	18"	0.168"	9'	13'			
				5" X 1" OR 3" X 1" CORRUGATION RIVETED, WELDED OR HELICAL					
36"	40" X 31"	5"	18"	0.079"	12'	15'+			
42"	46" X 36"	6"	18"	0.079"	12'	15'+			
48"	53" X 41"	7"	18"	0.079"	12'	15'+			
54"	60" X 46"	8"	18"	0.079"	12'	15'+			
60"	66" X 51"	9"	18"	0.079"	12'	15'+			
66"	73" X 55"	12"	18"	0.079"	15'+	-			
72"	81" X 59"	14"	18"	0.079"	15'	-			
78"	87" X 63"	14"	18"	0.079"	14'	15'+			
84"	95" X 67"	16"	18"	0.109"	13'	15'+			
90"	103" X 71"	16"	24"	0.109"	12'	15'+			
96"	112" X 75"	18"	24"	0.109"	11'	15'+			

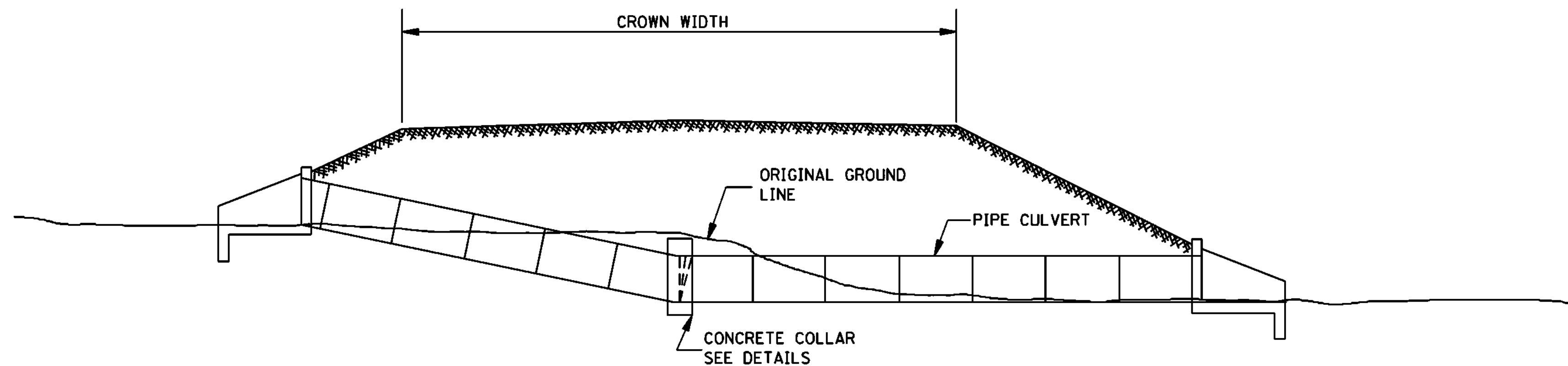
NOTES:

1. THE AVERAGE INSIDE DIAMETER SHALL NOT VARY MORE THAN ONE (1) PERCENT OR 1/2", WHICHEVER IS GREATER, FROM THE NOMINAL DIAMETER WHEN MEASURED ON THE INSIDE CREST OF THE CORRUGATIONS. (AASHTO M 36/M 36 & AASHTO M 196/M 196).

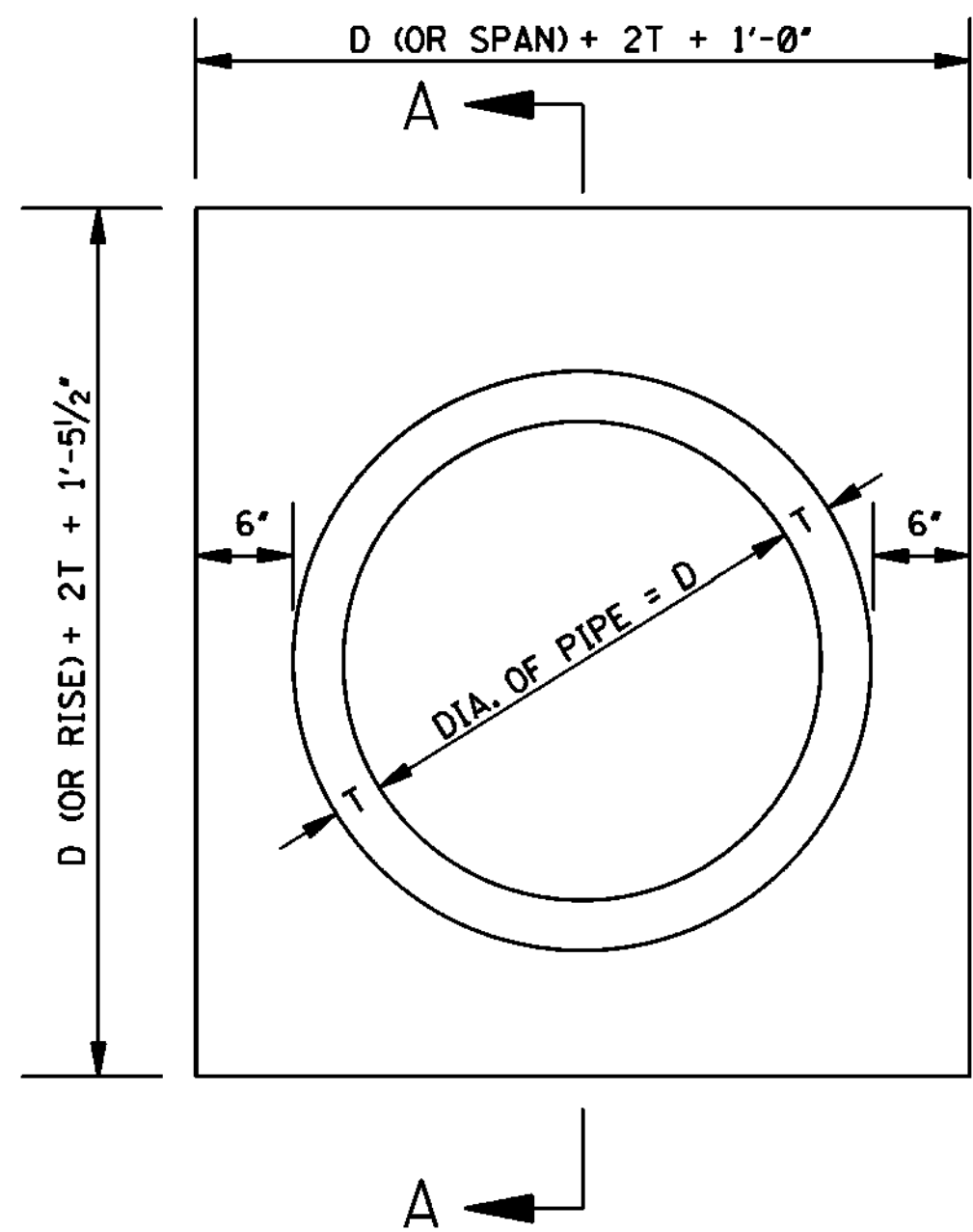
† 2. BEARING PRESSURES EXCEEDING 2 tons/ft² REQUIRED FOR GIVEN FILL HEIGHT SHALL HAVE FOUNDATION MATERIALS INVESTIGATED TO DETERMINE BEARING CAPACITY.



				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN			
				REVISION	PIPE CULVERT INSTALLATION			
				DATE				
					ISSUE DATE: <u>OCTOBER 1, 1998</u>			
					MISSISSIPPI DEPARTMENT OF TRANSPORTATION WORKING NUMBER PI-1 SHEET NUMBER 6300			

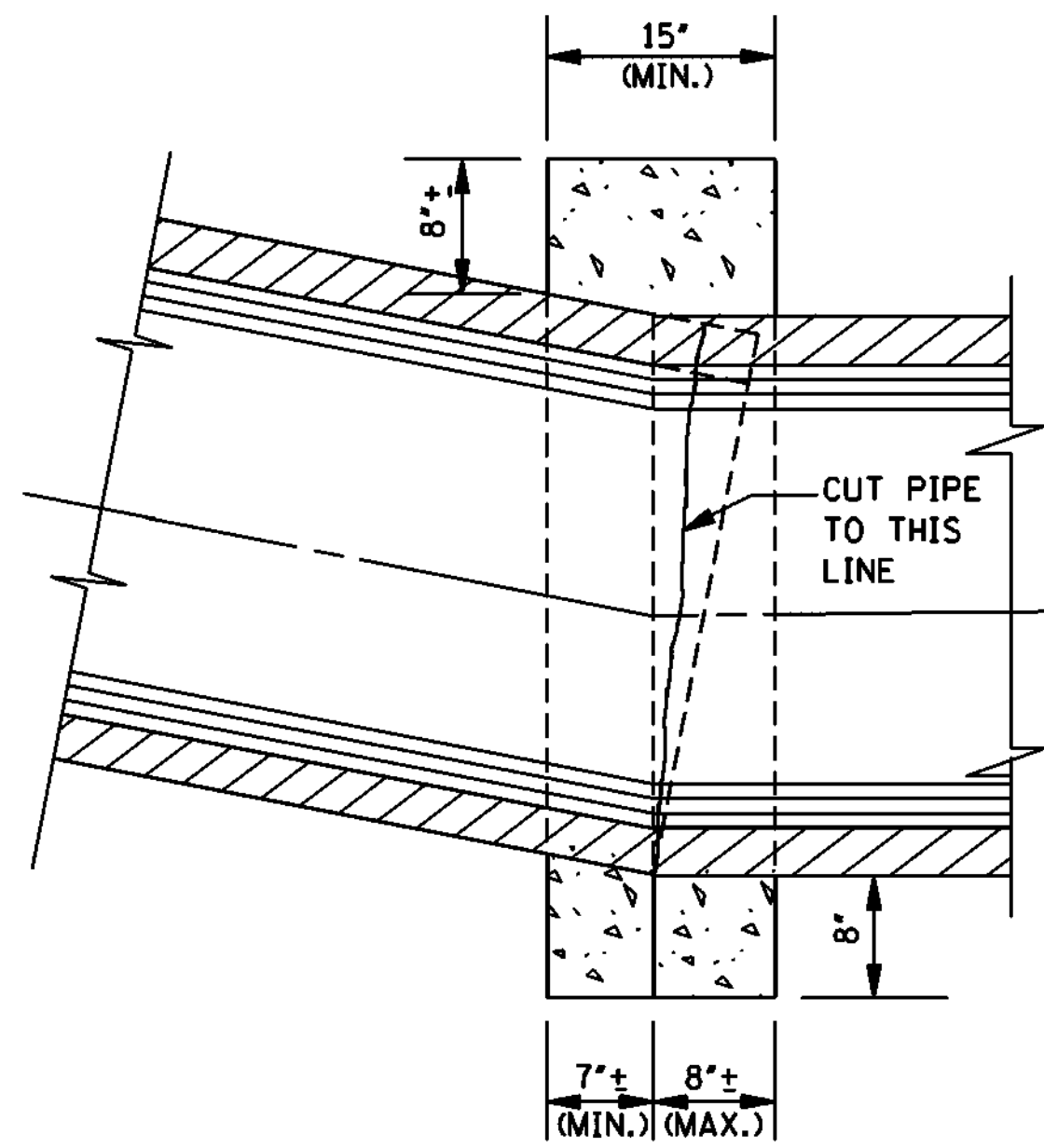


TYPICAL INSTALLATION FOR PIPE CULVERT WITH BROKEN FLOW LINE



ELEVATION OF CONCRETE COLLAR

NOTE: CIRCULAR PIPE IS SHOWN, ARCH PIPE IS SIMILAR.



SECTION A-A

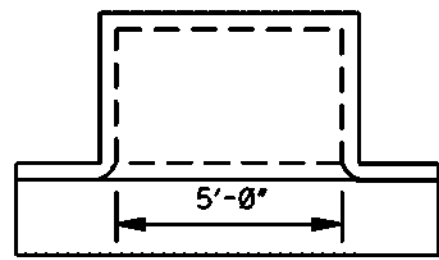
GENERAL NOTE:

1. THE FOLLOWING QUANTITIES SHALL BE THE BASIS FOR PAYMENT
UNLESS AUTHORIZED MODIFICATIONS ARE MADE:

QUANTITIES FOR CONCRETE COLLAR FOR PIPE CULVERTS			
CIRCULAR PIPE		ARCH PIPE	
DIA. OF PIPE	CLASS "B" CONCRETE (yd ³)	SIZE OF PIPE	CLASS "B" CONCRETE (yd ³)
12"	0.240		
15"	0.260	18 x 11	0.280
18"	0.320	22 x 13	0.310
24"	0.410	29 x 18	0.410
30"	0.510	36 x 23	0.490
36"	0.620	44 x 27	0.600
42"	0.730	51 x 31	0.690
48"	0.850	58 x 36	0.820
54"	0.980	65 x 40	0.920
60"	1.110	73 x 45	1.070
66"	1.248	88 x 54	1.366
72"	1.393		

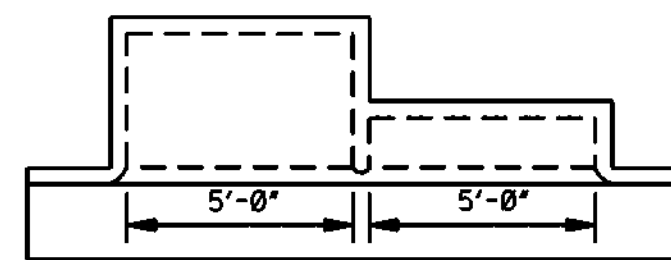
				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
				REVISION	CONCRETE PIPE COLLAR
				DATE	ISSUE DATE: <u>OCTOBER 1, 1998</u>
					WORKING NUMBER PC-1
					SHEET NUMBER 6301

NOTES:
1. W AND H ARE EXPRESSED IN DECIMAL FEET.
2. W' = W ROUNDED TO NEAREST WHOLE FOOT.
3. Y = (H-0.5).
4. H' = (H - 2.08) ROUNDED TO NEAREST WHOLE FOOT.
5. NO DEDUCTIONS ARE MADE FOR PIPE OPENINGS IN FORMULAS.



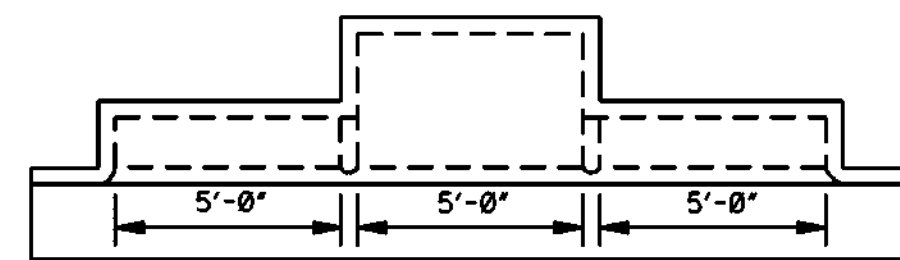
REGULAR INLET

5'-0" INLET
STEEL = $8.68W + 9.35Y + 3.79W' + 7.57H' + 121$
CONC. = $(WY + 5.5W + 6Y + 14.611)/27$



INLET WITH ONE EXTENSION

10'-0" INLET
STEEL = $8.68W + 9.35Y + 3.79W' + 7.57H' + 231$
CONC. = $(WY + 5.5W + 6Y + 38.641)/27$



INLET WITH TWO EXTENSIONS

15'-0" INLET
STEEL = $8.68W + 9.35Y + 3.79W' + 7.57H' + 341$
CONC. = $(WY + 5.5W + 6Y + 62.671)/27$

PLAN OF INLET AND EXTENSIONS

ADD. CONCRETE PER FOOT OF H		ADD. CONCRETE PER FOOT OF W	
W	yd 3/ft	H	yd 3/ft
2'-6"	0.315	3'-6"	0.315
3'-0"	0.333	4'-0"	0.333
3'-6"	0.352	4'-6"	0.352
4'-0"	0.371	5'-0"	0.370
4'-6"	0.389	5'-6"	0.389
5'-0"	0.408	6'-0"	0.408
5'-6"	0.426	6'-6"	0.426
6'-0"	0.445	7'-0"	0.445
6'-6"	0.463	7'-6"	0.463
7'-0"	0.481	8'-0"	0.482
		8'-6"	0.500

QUANTITIES FOR ONE EXTENSION					
BAR	SIZE	LENGTH	SPACING	NUMBER	TWEIGHT
"E"	#4	5'-8"	AS SHOWN	3	11
"G"	#4	SEE SCHEDULE	0'-11"	6	34
"H"	#6	6'-9"	AS SHOWN	5	51
"L"	#6	4'-9"	AS SHOWN	2	14
TOTAL STEEL FOR ONE EXTENSION = 110 lbs					
TOTAL CONCRETE FOR ONE EXTENSION = 0.89 yd ³					

NOTE: WHERE EXTENSION IS USED WITH CONCRETE PAVEMENT, ADD 27 LBS OF STEEL FOR BARS "M".

BAR "G" SCHEDULE	
BAR "G"	LENGTH
"G1"	7'-10"
"G2"	8'-0"
"G3"	8'-2"
"G4"	8'-5"
"G5"	8'-8"
"G6"	8'-10"

W=2'-6"		BILL OF REINFORCING STEEL FOR 1-5'-0" INLET																		
H	BAR "A" L = 4'-2" #4 @ 9"		BAR "C" L = 5'-8" #4 @ 9"		BAR "S" L = 5'-8" #4 @ 12"		BAR "D" L = 5'-8" #4 @ 12"		BAR "F" L=9'-8" #6		BAR "J" L=2'-3" #4		BAR "B" #4 @ 9"		BAR "K" #4 @ 9"		* TOTAL STEEL	TOTAL CONC.		
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	LGTH.	NO.	lbs	LGTH.	NO.	lbs	yd ³	
3'-6"	6	17	7	27	5	19	5	19	5	73	4	6	3'-10"	7	18	2'-7"	7	12	190	1.99
4'-0"	6	17	7	27	5	19	7	26	5	73	4	6	4'-4"	7	20	3'-1"	7	14	202	2.15
4'-6"	6	17	7	27	5	19	7	26	5	73	4	6	4'-10"	7	23	3'-7"	7	17	207	2.31
5'-0"	6	17	7	27	5	19	9	34	5	73	4	6	5'-4"	7	25	4'-1"	7	19	219	2.47
5'-6"	6	17	7	27	5	19	9	34	5	73	4	6	5'-10"	7	27	4'-7"	7	21	224	2.62
6'-0"	6	17	7	27	5	19	11	42	5	73	4	6	6'-4"	7	30	5'-1"	7	24	238	2.78
6'-6"	6	17	7	27	5	19	11	42	5	73	4	6	6'-10"	7	32	5'-7"	7	26	240	2.94
7'-0"	6	17	7	27	5	19	13	49	5	73	4	6	7'-4"	7	34	6'-1"	7	28	253	3.10
7'-6"	6	17	7	27	5	19	13	49	5	73	4	6	7'-10"	7	37	6'-7"	7	31	257	3.25

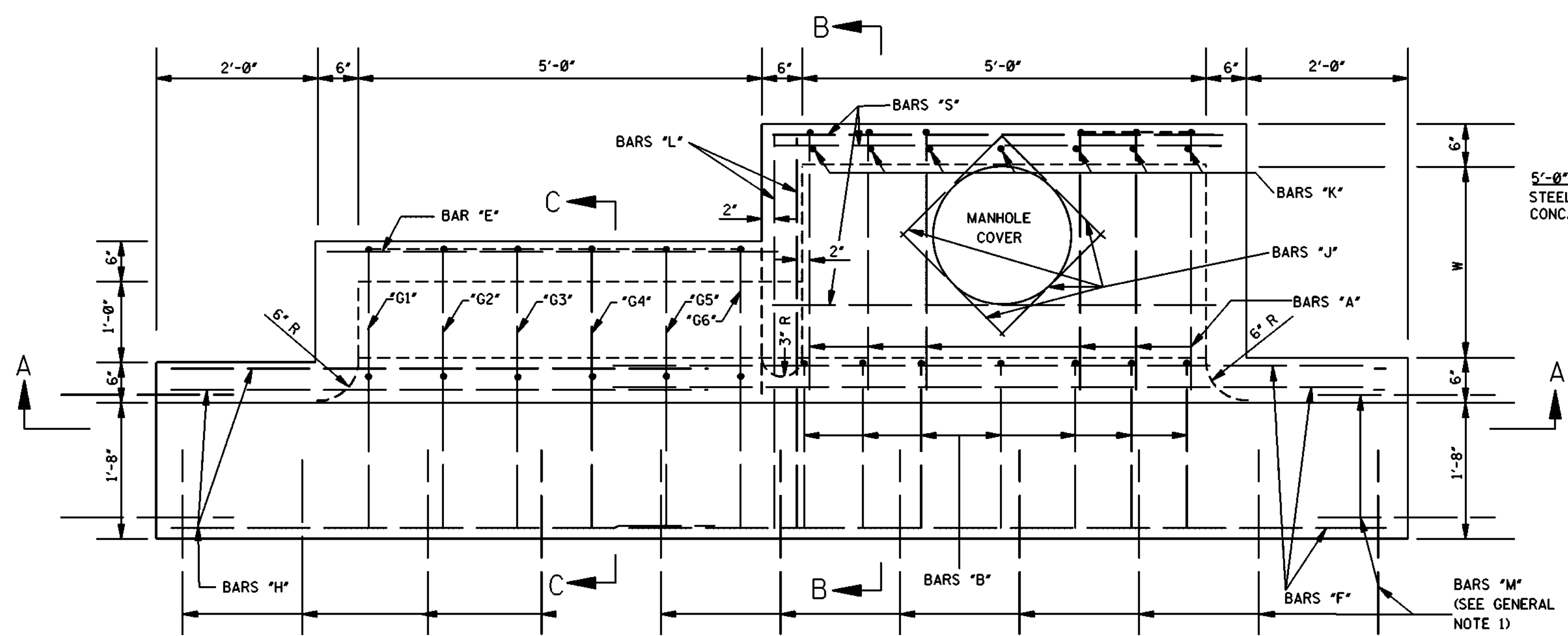
W=3'-0"		BILL OF REINFORCING STEEL FOR 1-5'-0" INLET																		
H	BAR "A" L = 4'-8" #4 @ 9"	BAR "C" L = 6'-2" #4 @ 9"	BAR "S" L = 5'-8" #4 @ 12"	BAR "D" L = 5'-8" #4 @ 12 1/2"	BAR "F" L=9'-8" #6	BAR "J" L=2'-3" #4	BAR "B" #4 @ 9"		BAR "K" #4 @ 9 1/2"		* TOTAL STEEL		TOTAL CONC.							
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	LGTH.	NO.	lbs	LGTH.	NO.	lbs	yd ³					
3'-6"	6	19	7	29	5	19	5	19	5	73	4	6	3'-10"	7	18	2'-7"	7	12	194	2.15
4'-0"	6	19	7	29	5	19	7	26	5	73	4	6	4'-4"	7	20	3'-1"	7	14	206	2.32
4'-6"	6	19	7	29	5	19	7	26	5	73	4	6	4'-10"	7	23	3'-7"	7	17	211	2.49
5'-0"	6	19	7	29	5	19	9	34	5	73	4	6	5'-4"	7	25	4'-1"	7	19	223	2.65
5'-6"	6	19	7	29	5	19	9	34	5	73	4	6	5'-10"	7	27	4'-7"	7	21	228	2.82
6'-0"	6	19	7	29	5	19	11	42	5	73	4	6	6'-4"	7	30	5'-1"	7	24	240	2.99
6'-6"	6	19	7	29	5	19	11	42	5	73	4	6	6'-10"	7	32	5'-7"	7	26	245	3.15
7'-0"	6	19	7	29	5	19	13	49	5	73	4	6	7'-4"	7	34	6'-1"	7	28	257	3.32
7'-6"	6	19	7	29	5	19	13	49	5	73	4	6	7'-10"	7	37	6'-7"	7	31	262	3.49

W=3'-6"			BILL OF REINFORCING STEEL FOR 1-5'-0" INLET																	
H	BAR "A" L = 5'-2" #4 @ 9"		BAR "C" L = 6'-8" #4 @ 9"		BAR "S" L = 5'-8" #4 @ 12"		BAR "D" L = 5'-8" #4 @ 12 1/2"		BAR "F" L = 9'-8" #6		BAR "J" L = 2'-3" #4		BAR "B" #4 @ 9"		BAR "K" #4 @ 9 1/2"		* TOTAL	TOTAL		
	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	LGTH.	NO.	lbs	LGTH.	NO.	lbs	CONC.	
3'-6"	6	21	7	31	5	19	6	23	5	73	4	6	3'-10"	7	18	2'-7"	7	12	202	2.31
4'-0"	6	21	7	31	5	19	8	30	5	73	4	6	4'-4"	7	20	3'-1"	7	14	214	2.49
4'-6"	6	21	7	31	5	19	8	30	5	73	4	6	4'-10"	7	23	3'-7"	7	17	219	2.66
5'-0"	6	21	7	31	5	19	10	38	5	73	4	6	5'-4"	7	25	4'-1"	7	19	231	2.84
5'-6"	6	21	7	31	5	19	10	38	5	73	4	6	5'-10"	7	27	4'-7"	7	21	236	3.01
6'-0"	6	21	7	31	5	19	12	45	5	73	4	6	6'-4"	7	30	5'-1"	7	24	248	3.19
6'-6"	6	21	7	31	5	19	12	45	5	73	4	6	6'-10"	7	32	5'-7"	7	26	253	3.37
7'-0"	6	21	7	31	5	19	14	53	5	73	4	6	7'-4"	7	34	6'-1"	7	28	265	3.54
7'-6"	6	21	7	31	5	19	14	53	5	73	4	6	7'-10"	7	37	6'-7"	7	31	270	3.72

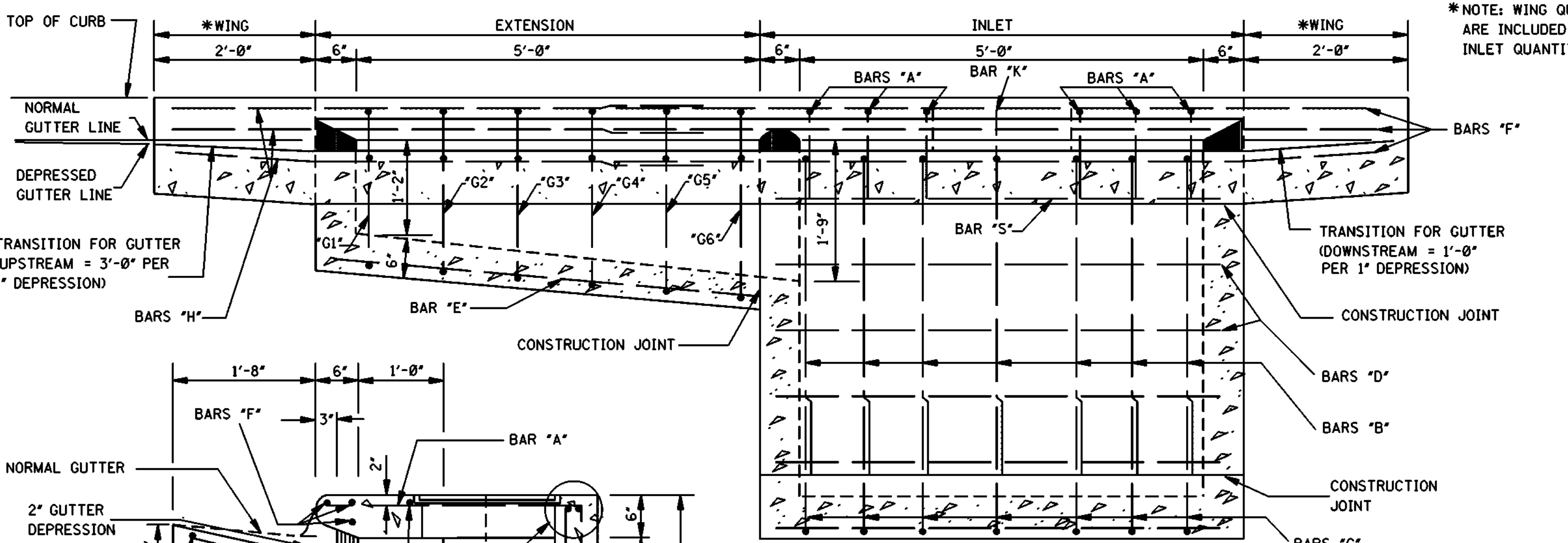
* NOTE: WHERE INLET IS USED WITH CONCRETE PAVEMENT, ADD 73 LBS OF STEEL FOR BARS "M".

GENERAL NOTES:

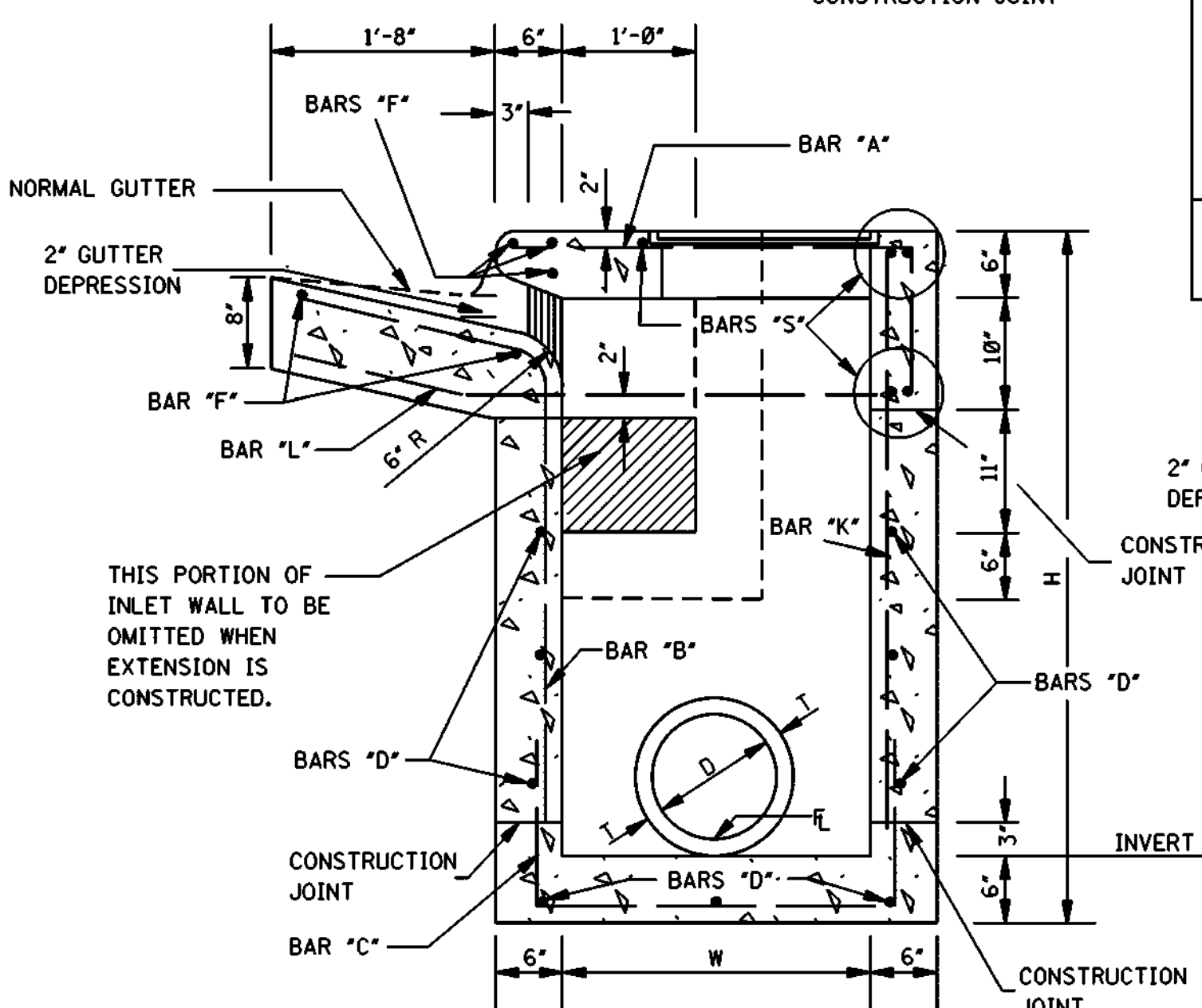
- WHERE INLET OR INLET WITH EXTENSION(S) IS USED WITH CONCRETE PAVEMENT WITH INTEGRAL CURB, THE PAVEMENT IS TO BE BLOCKED OUT TO THE DIMENSIONS AS SHOWN FOR THE GUTTER PORTION OF THE INLET OR INLET WITH EXTENSION(S). THE PORTION BLOCKED OUT SHALL BE PLACED INTEGRAL WITH THE TOP OF THE INLET OR INLET WITH EXTENSION(S). #8 DEFORMED BARS 30" LONG SHALL BE PLACED ON 18" CENTERS AT THE CENTER OF THE PAVEMENT. THESE BARS SHALL EXTEND INTO THE GUTTER PORTION OF THE INLET OR INLET WITH EXTENSION(S) 15". THE CONSTRUCTION JOINT BETWEEN THE CONCRETE PAVEMENT AND THE INLET OR INLET WITH EXTENSION(S) SHALL BE A KEYED JOINT AS SHOWN. A SMOOTH CONSTRUCTION JOINT WILL NOT BE PERMITTED. QUANTITIES FOR BLOCKED OUT AREA OF PAVEMENT SHALL BE INCLUDED IN QUANTITIES FOR INLET OR INLET WITH EXTENSION(S).
- THE STANDARD SPECIFICATIONS ADOPTED BY THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION SHALL APPLY TO ALL ITEMS ON THIS SHEET.
- THE QUANTITIES SHOWN, MINUS VOLUMETRIC DISPLACEMENT OF CONCRETE BY PIPE CULVERTS THROUGH INLET WALLS, WILL BE USED AS THE BASIS OF FINAL PAYMENT UNLESS THIS PLAN IS MODIFIED.
- FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLE ARE INCREMENTS OF 6". BUT ANY DEPTHS OTHER THAN THOSE SHOWN MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS, FALLING WITHIN THE LIMITS OF THE TABLE, MAY BE FOUND BY INTERPOLATION.
- FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMMODATE STORM SEWER. NO DEDUCTIONS ARE TO BE MADE IN STEEL QUANTITIES.



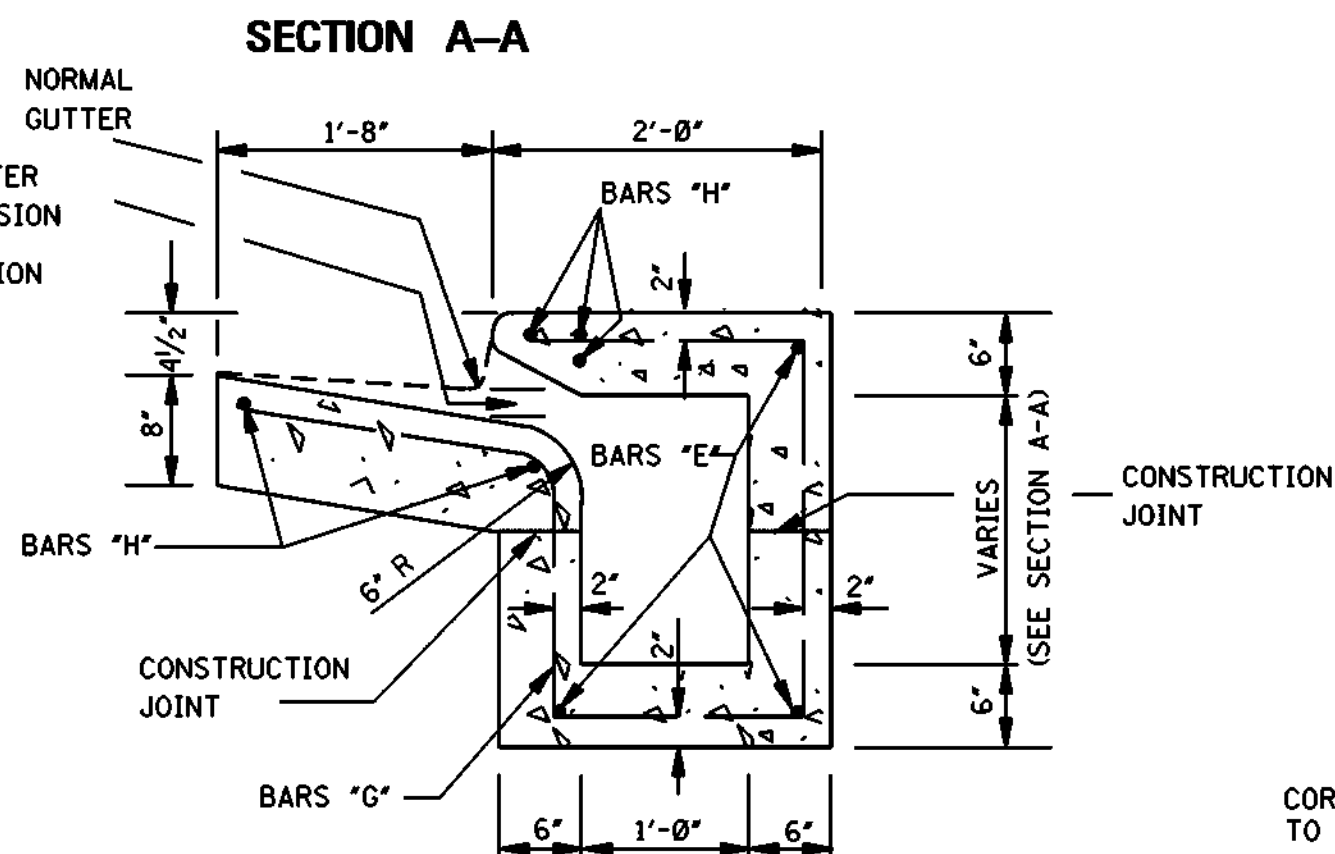
PLAN



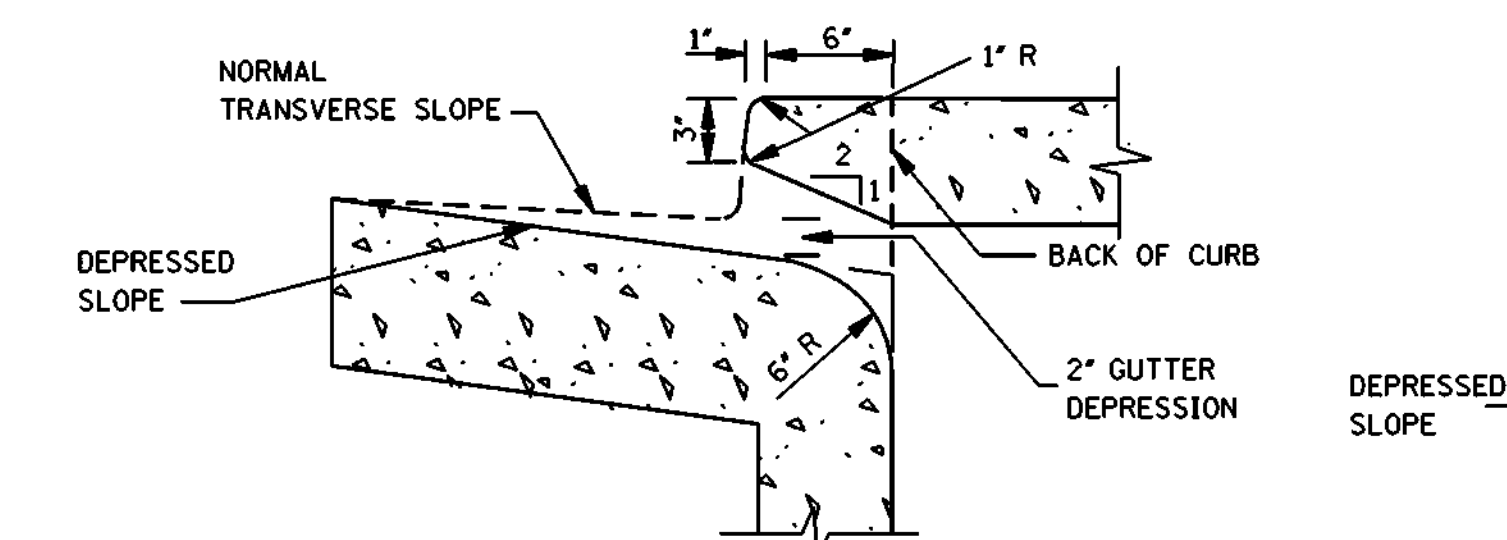
SECTION A-A



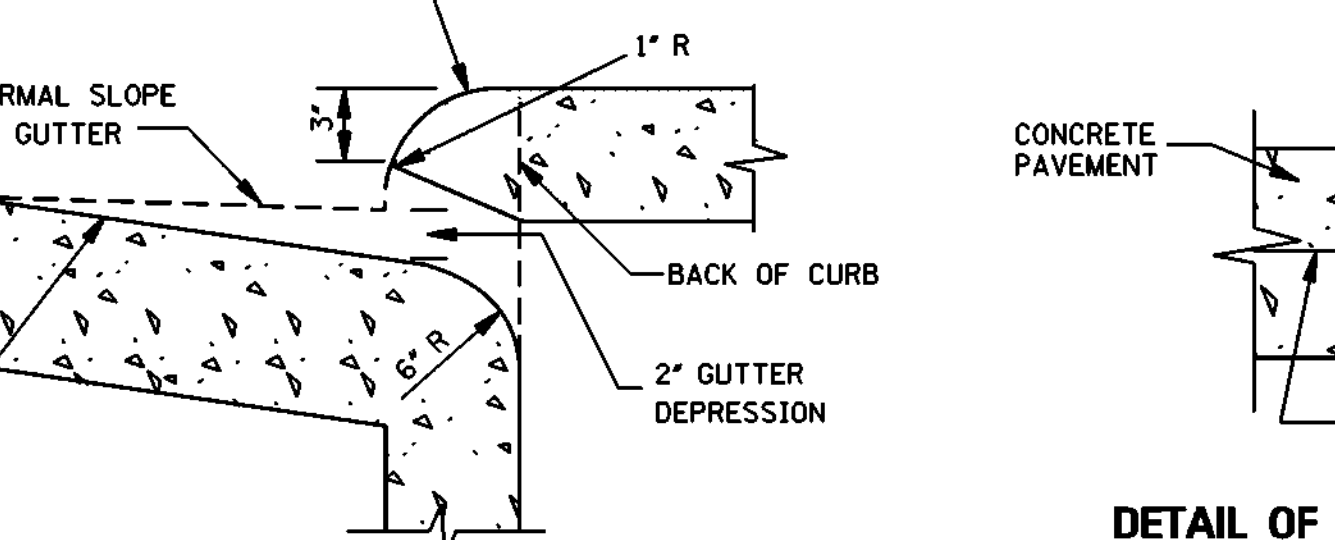
SECTION B-B



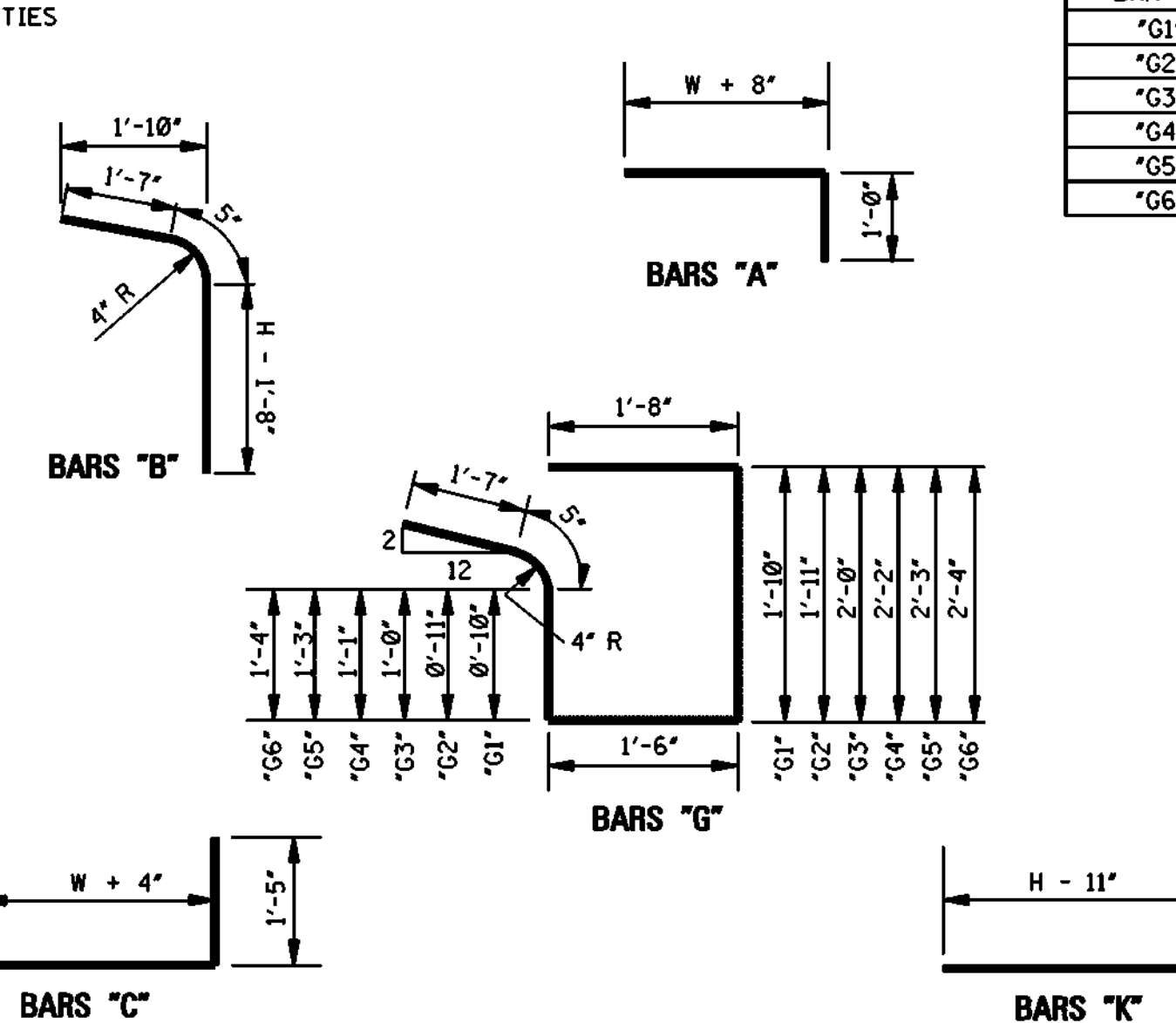
SECTION C-C



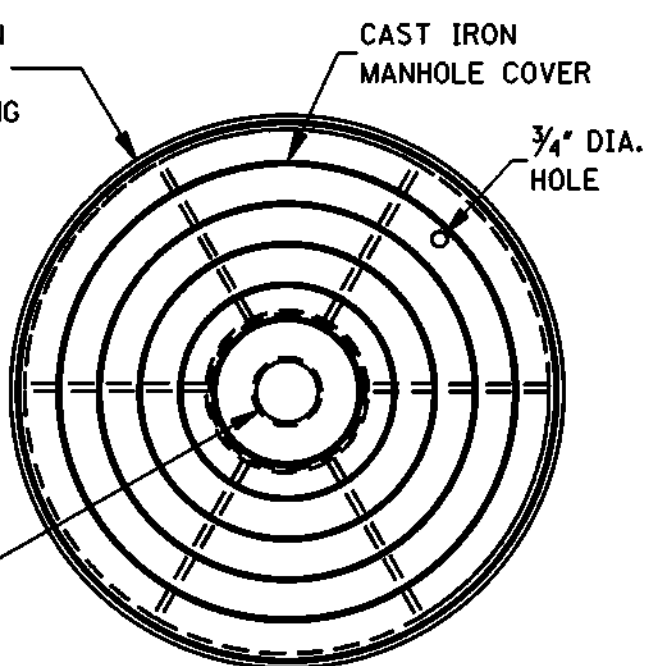
THROAT DETAIL OF BARRIER CURB



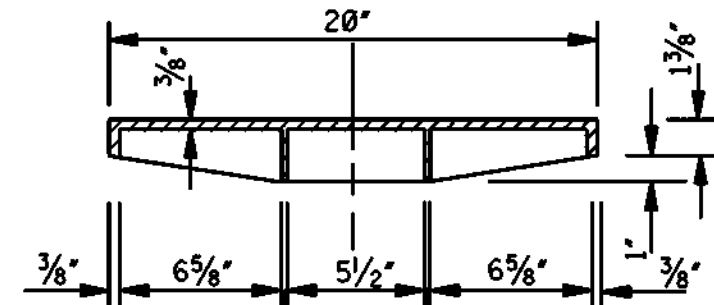
THROAT DETAIL OF ROLLED CURB



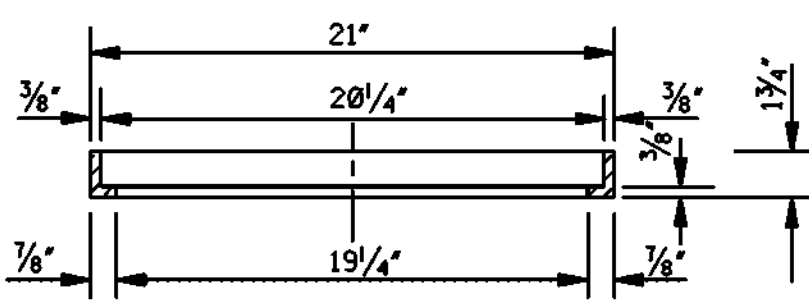
BAR DETAILS



PLAN



SECTION THRU MANHOLE COVER



SECTION THRU MANHOLE COVER RING

NOTE: WEIGHT OF RING & COVER = 79 lbs

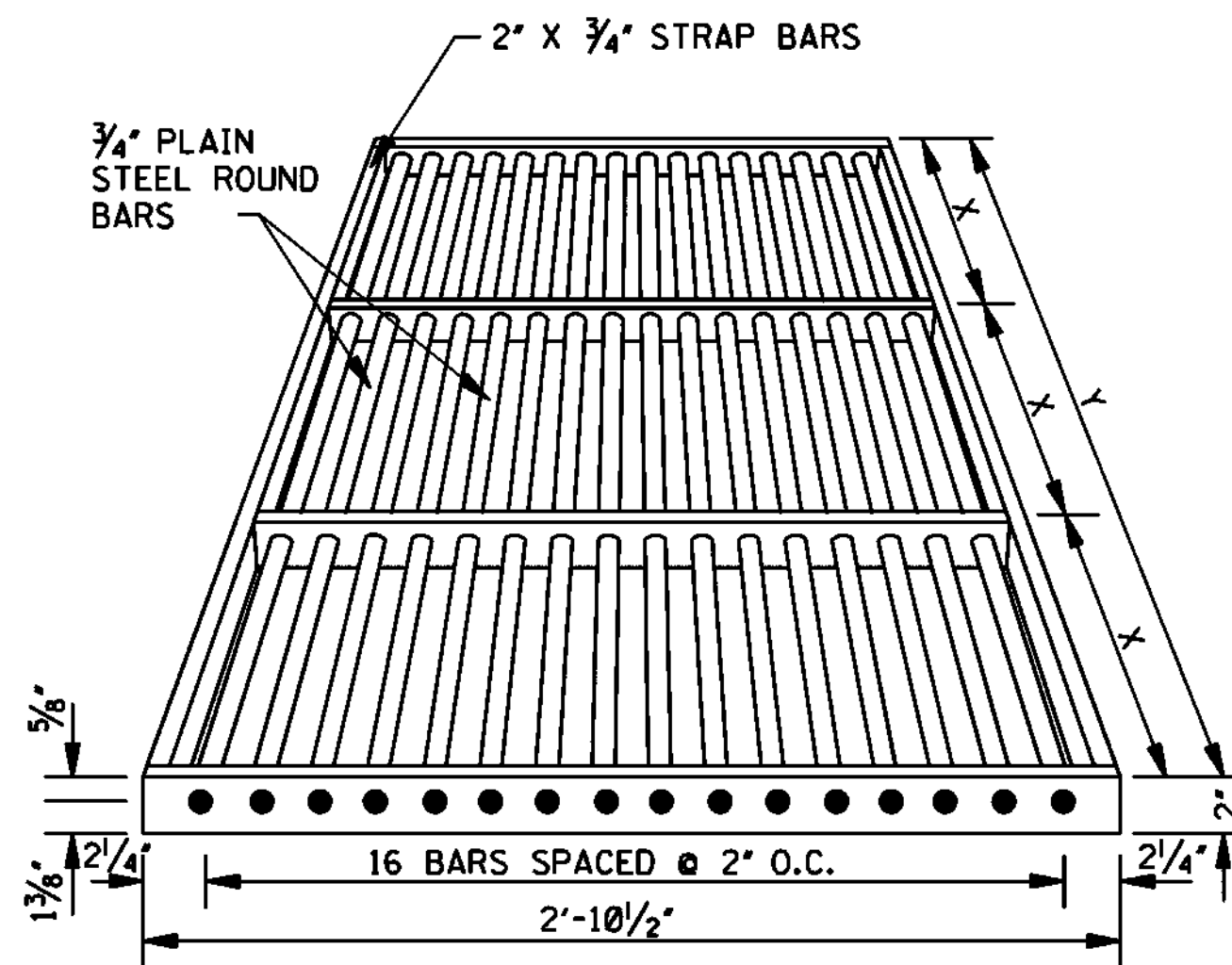
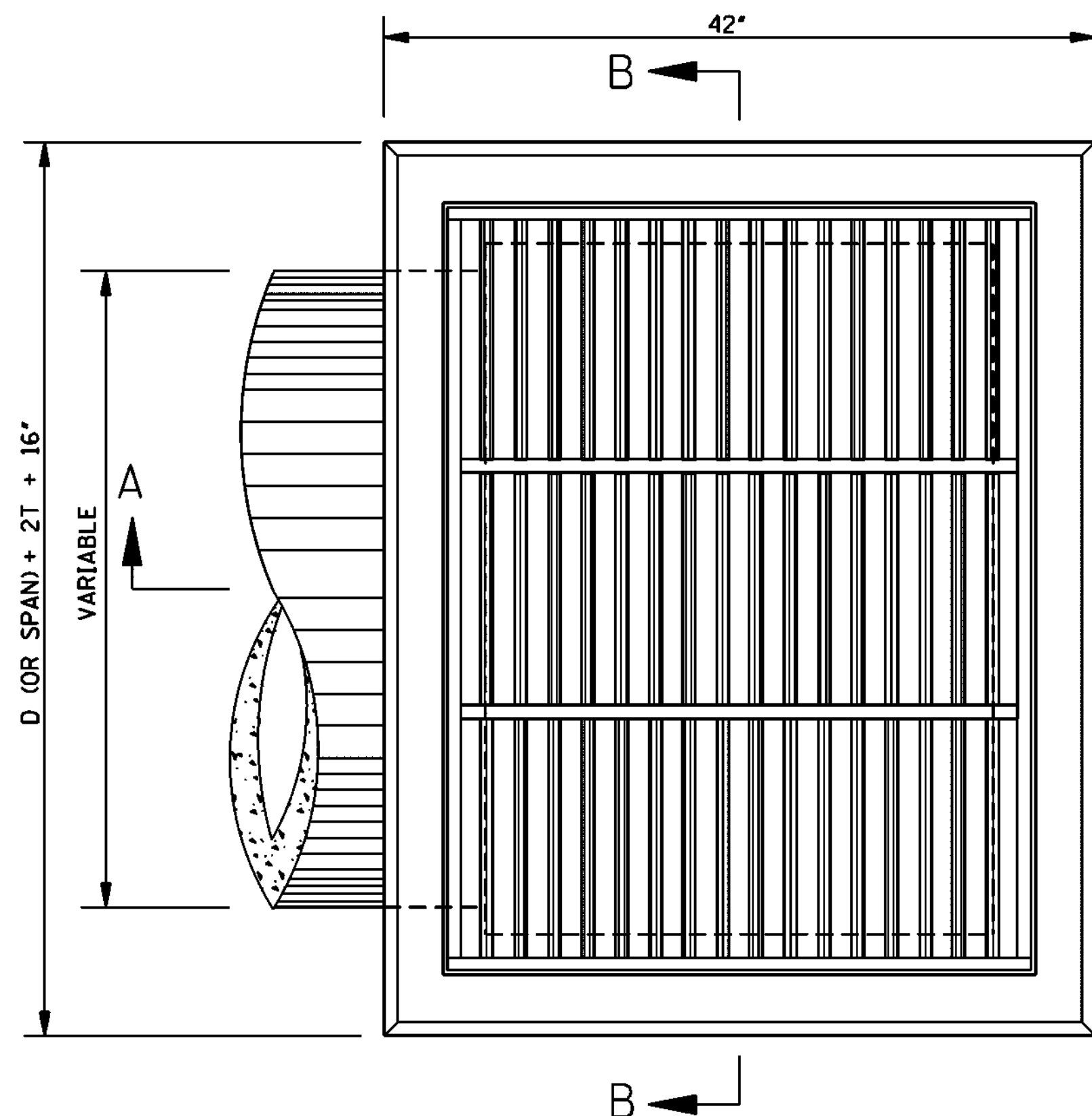
DETAIL OF KEYED CONSTRUCTION JOINTS

NOTE: FIELD BEND BARS "L" TO CENTER OF GUTTER SECTION

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
REVISION	ROADWAY DESIGN DIVISION
DATE	STANDARD PLAN
	STORM SEWER STRUCTURE
	TYPE SS-2
	WORKING NUMBER
	SS-2
	SHEET NUMBER
	6322
	ISSUE DATE: OCTOBER 1, 1998

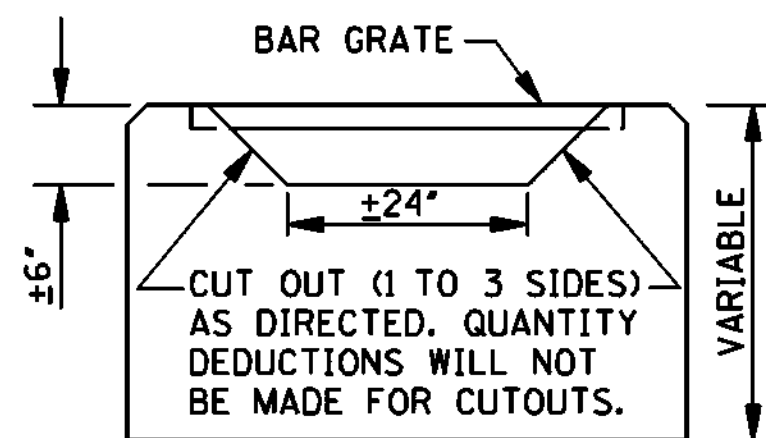
A, #4 BARS	AS PER TABLE
B, #4 BARS	D (OR SPAN) + 2T + 9"
C, #4 BARS	34"
D, #4 BARS	D (OR RISE) + T + 4"

BARS "A", "B", "C" & "D"

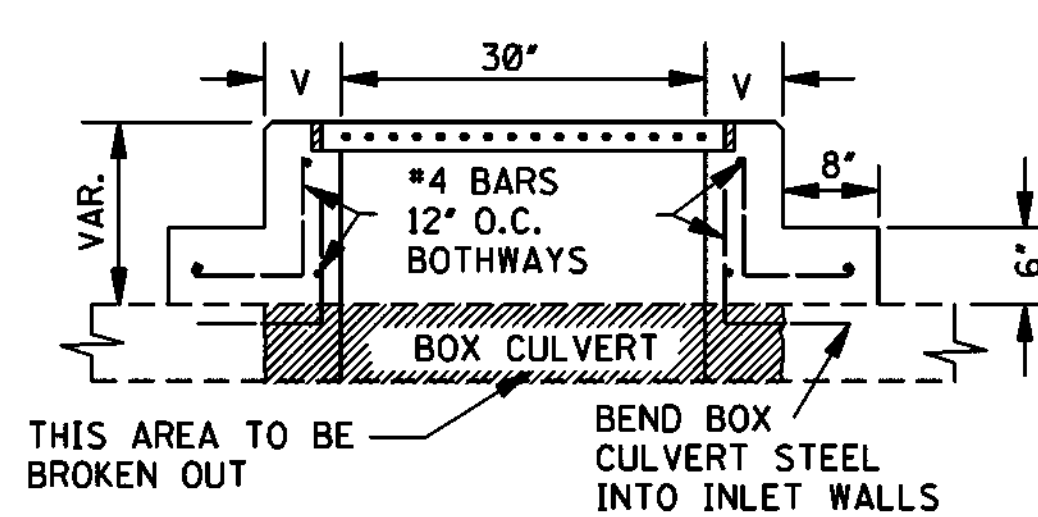


BAR GRATE DETAILS

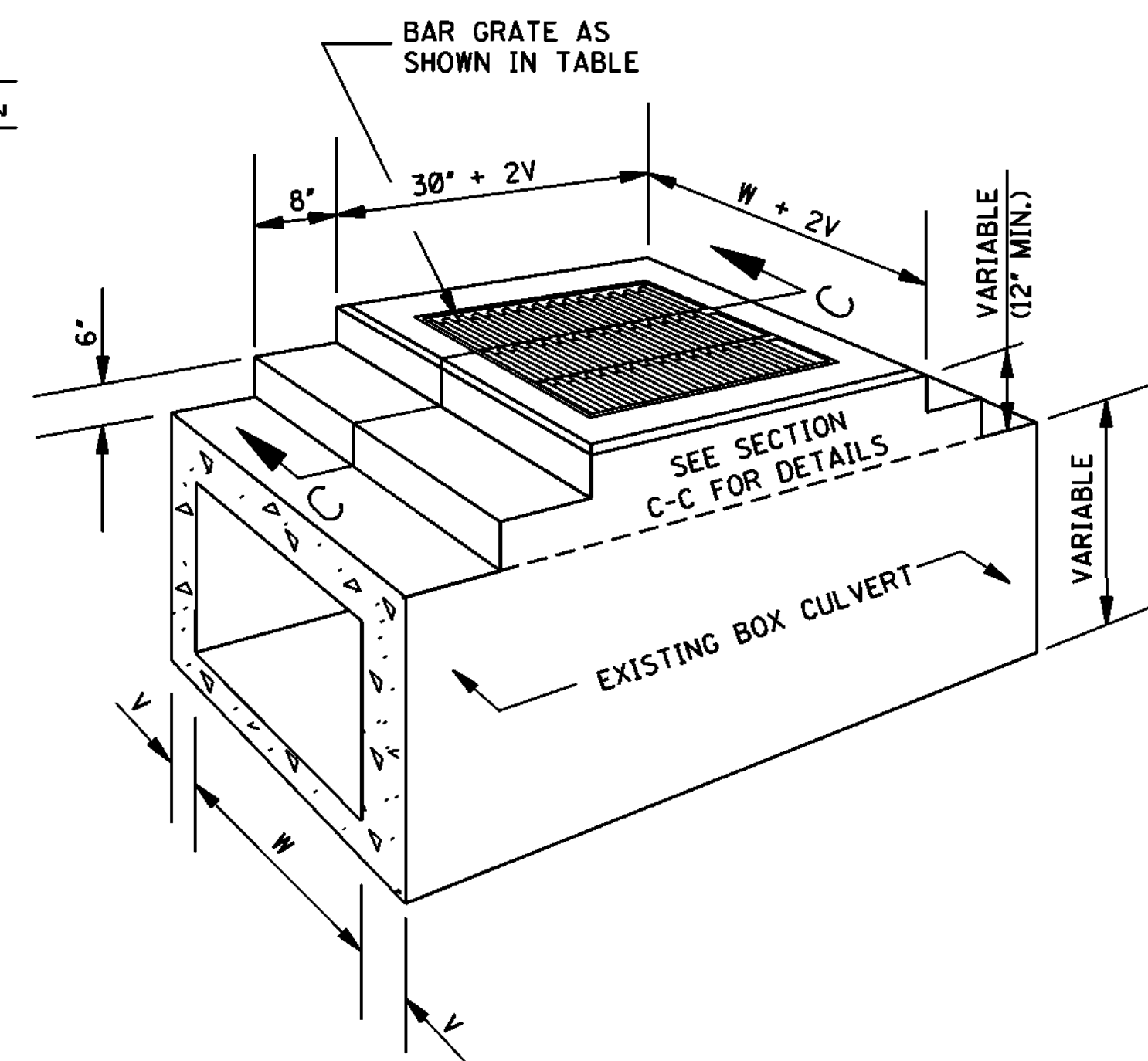
NOTE: JUNCTIONS OF ROUND AND STRAP BARS SHALL BE WELDED. GRATE SHALL BE SHOP COATED WITH APPROVED COAL TAR PITCH VARNISH.



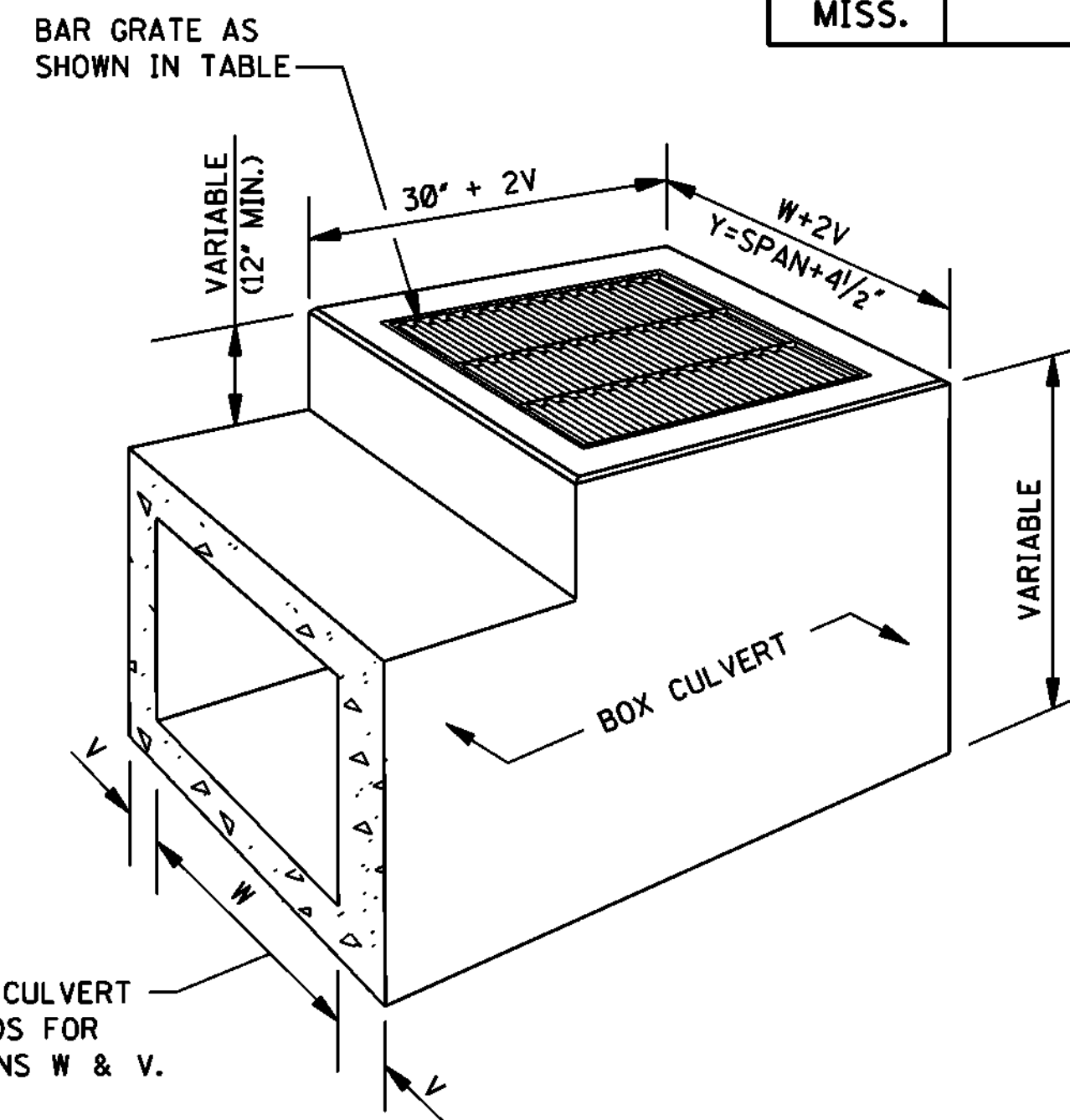
ELEVATION
MODIFIED PIPE OR
BOX CULVERT INLET



SECTION C-C



SECTIONAL PERSPECTIVE
INLET ON EXISTING BOX CULVERT



SECTIONAL PERSPECTIVE
INLET USED IN LIEU OF HEADWALLS

LENGTH AND WEIGHT OF GRATING											
PIPE INLETS						BOX CULVERT INLETS					
PIPE SIZE	Y	X	NO. X-SPANS	WEIGHT (lbs)		BOX CULVERT SIZE	Y	X	NO. X-SPANS	WEIGHT (lbs)	
18"	2'-7 1/2"	1'-3 3/4"	2	127		2' X 2'	2'-4 1/2"	1'-2 1/4"	2	119	
22" X 13"	2'-11 1/2"	1'-5 3/4"	2	139		3' X 2'	3'-4 1/2"	1'-1 1/2"	3	166	
24"	3'-2 1/2"	1'-7 1/4"	2	147		4' X 2'	4'-4 1/2"	1'-5 1/2"	3	200	
29" X 18"	3'-7"	1'-2 1/2"	3	173		5' X 2'	5'-4 1/2"	1'-4 1/8"	4	247	
30"	3'-9 1/2"	1'-3 3/4"	3	180		6' X 2'	6'-4 1/2"	1'-3 3/4"	5	293	
36"	4'-4 1/2"	1'-5 1/2"	3	200		7' X 2'	7'-4 1/2"	1'-5 1/8"	5	328	
42"	4'-11 1/2"	1'-2 1/8"	4	232		8' X 2'	8'-4 3/4"	1'-4 3/4"	6	374	
48"	5'-6 1/2"	1'-4 3/8"	4	252		3' X 3'	3'-4 1/2"	1'-1 1/2"	3	166	
54"	6'-1 1/2"	1'-6 3/8"	4	272		4' X 3'	4'-4 1/2"	1'-5 1/2"	3	200	
60"	6'-8 1/2"	1'-4 3/8"	5	305		5' X 3'	5'-4 1/2"	1'-4 1/8"	4	247	
						6' X 3'	6'-4 1/2"	1'-3 3/4"	5	293	

QUANTITIES															
PIPE SIZE	MIN. DEPTH TO F.L.	MIN. DEPTH INLET		EACH ADDED FOOT		PIPE OPENING DEDUCTION (yd ³)	T	BARS/SIZES							
		CONC * (yd ³)	STEEL (lbs)	CONC (yd ³)	STEEL (lbs)			*A* #4		*B* #4		*C* #4		*D* #4	
								NO. ▽ LGTH.	NO. ▽ LGTH.	NO. ▽ LGTH.	NO. ▽ LGTH.	NO. ▽ LGTH.	NO. ▽ LGTH.		
18"	2.209'	0.623	42	0.213	13	0.053	2 1/2"	2 ▽ 21"	8 ▽ 32"	7 ▽ 34"	9 ▽ 24 1/2"				
22" X 13"	1.833'	0.586	42	0.225	14	0.053	2 1/2"	2 ▽ 25"	8 ▽ 36"	7 ▽ 34"	9 ▽ 20"				
24"	2.750'	0.800	55	0.235	14	0.091	3"	2 ▽ 25"	9 ▽ 39"	9 ▽ 34"	9 ▽ 31"				
29" X 18"	2.250'	0.742	57	0.248	16	0.087	3"	2 ▽ 30"	9 ▽ 43 1/2"	9 ▽ 34"	11 ▽ 25"				
30"	3.292'	0.992	70	0.256	16	0.138	3 1/2"	2 ▽ 30"	9 ▽ 46"	11 ▽ 34"	11 ▽ 37 1/2"				
36"	3.834'	1.198	85	0.278	17	0.196	4"	2 ▽ 33"	10 ▽ 53"	13 ▽ 34"	11 ▽ 44"				
42"	4.375'	1.418	93	0.299	18	0.263	4 1/2"	2 ▽ 36"	10 ▽ 60"	13 ▽ 34"	11 ▽ 50 1/2"				
48"	4.917'	1.653	109	0.321	19	0.340	5"	2 ▽ 39"	11 ▽ 67"	15 ▽ 34"	11 ▽ 57"				
54"	5.458'	1.902	136	0.343	21	0.427	5 1/2"	2 ▽ 42"	12 ▽ 74"	19 ▽ 34"	13 ▽ 63 1/2"				
60"	6.000'	2.165	146	0.364	21	0.524	6"	2 ▽ 47"	12 ▽ 81"	19 ▽ 34"	13 ▽ 70"				

*NOTE: ONE (1) PIPE OPENING HAS BEEN DEDUCTED FROM THE STRUCTURE.

GENERAL NOTES:

- THE MDOT STANDARD SPECIFICATIONS SHALL APPLY TO ITEMS UNLESS OTHERWISE SPECIFIED.
- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
- BOX CULVERTS:
 - UNLESS OTHERWISE SHOWN, THE DETAILS OF THE BOX CULVERT INLETS SHALL CONFORM TO THOSE SHOWN FOR THE PIPE INLETS.
 - BOX CULVERT REINFORCEMENT SHALL BE CONTINUED AND RESHAPED TO ACCOMMODATE THE INLET BOX. ADDITIONAL BARS SHALL BE THE SAME DIAMETER AS THOSE IN THE BOX CULVERT AND THE CONCRETE SHALL BE THE SAME. QUANTITIES ARE TO BE COMPUTED IN CONJUNCTION WITH QUANTITIES FOR BOX CULVERT.

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
REVISION	DROP INLET AND GRATE DETAILS FOR PIPE AND BOX CULVERTS
DATE	ISSUE DATE: OCTOBER 1, 1998
	WORKING NUMBER B-9
	SHEET NUMBER 6325



Engineering Progress

SPECIFICATIONS AND CONTRACT DOCUMENTS

FOR

COMPREHENSIVE SEWER/WATER IMPROVEMENTS- PHASE VIII

FOR THE

CITY OF HATTIESBURG

OCTOBER, 2017



PREPARED BY:

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS



Engineering Progress

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COMPREHENSIVE SEWER/WATER IMPROVEMENTS- PHASE VIII

FOR THE

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OCTOBER, 2017

PREPARED BY:

SHOWS, DEARMAN & WAITS, INC.
CONSULTING ENGINEERS

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ADVERTISEMENT FOR BIDS:

NOTICE is hereby given that the City Clerk of the City of Hattiesburg, MISSISSIPPI, will receive sealed bids until 10:00 A.M. on February 1, 2018 in the City Clerk's Office in the City Hall of said City for furnishing the City's requirements for the following:

COMPREHENSIVE SEWER/WATER IMPROVEMENTS – PHASE VIII HATTIESBURG, MISSISSIPPI

Plans, Specifications and proposal forms may be obtained from www.sd-wprojects.com, upon deposit of \$200.00, non-refundable. All plan holders are required to have a valid email address for registration. Any questions regarding website registration or online orders should be directed to Plan House Printing at 601-336-6378. All bids must be accompanied by bid security equal to 5% of the amount of the bid, in the form of a certified check, cashier's check or a bid bond written by a company properly licensed in Mississippi.

Each BID must be received in a sealed envelope which is marked in the lower left-hand corner EXACTLY as follows:

BID:

COMPREHENSIVE SEWER/WATER IMPROVEMENTS – PHASE VIII HATTIESBURG, MISSISSIPPI

No bid may be withdrawn for a period of sixty (60) days. The lowest and best proposal received will be accepted, subject to the provisions of Section 31-7-13 of the Mississippi Code of 1972, Annotated and Amended, and other applicable State law; but the Council reserves the right to reject any or all proposals received and to waive informalities.

PUBLISHED by Order of the Council on the 19 day of December, 2017.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____
Kermas Eaton, City Clerk

Publish on December 28, 2017 and January 4, 2018
City of Hattiesburg
Return PROOF to SDW, Inc.
301 Second Avenue
Hattiesburg, MS 39401

INFORMATION FOR BIDDERS

BIDS will be received by City of Hattiesburg, MS herein called the "OWNER", at City Hall until 10:00 A.M. on February 1, 2018, and then at said office publicly opened and read aloud.

Each BID must be submitted in sealed envelope, addressed to the City Clerk of said City. Each sealed envelope containing a BID must be plainly marked on the outside as BID for Comprehensive Sewer/Water Improvements – Phase VIII, Hattiesburg, Mississippi and the envelope should bear on the outside the BIDDER'S name, address, and license number if applicable. If forwarded by mail, the sealed BID shall be included in a delivery package addressed to the Owner at 200 Forrest Street, Hattiesburg, MS 39401.

All BIDS must be made on the required BID form. All blank spaces for BID prices must be filled in, in ink or typewritten, and the BID form must be completed and executed when submitted. Only one copy of the BID form is required.

The OWNER may waive any informalities or minor defects or reject any and all BIDS. Any BID may be withdrawn prior to the above scheduled time for the opening of BIDS or authorized postponement thereof. Any BID received after the time and date specified shall not be considered. No BIDDER may withdraw a BID within 60 days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period; the time may be extended by mutual agreement between the OWNER and the BIDDER.

BIDDERS must satisfy themselves of the accuracy of the estimated quantities in the BID Schedule by examination of the site and a review of the drawings and specifications including ADDENDA. After BIDS have been submitted, the BIDDER shall not assert that there was a misunderstanding concerning the quantities of WORK or of the nature of the WORK to be done.

The OWNER shall provide to BIDDERS prior to BIDDING, all information which is pertinent to, and delineates and describes, the land owned and rights-of-way acquired or to be acquired.

The CONTRACT DOCUMENTS contain the provisions required for the construction of the PROJECT. Information obtained from an officer, agent, or employee of the OWNER or any other person shall not affect the risks or obligations assumed by the CONTRACTOR or relieve him from fulfilling any of the conditions of the contract.

Each BID must be accompanied by a BID BOND payable to the OWNER for five percent (5%) of the total amount of the BID. As soon as the BID prices have been compared, the

OWNER will return the BONDS of all except the three lowest responsive, responsible BIDDERS upon request of the BIDDER. When the Agreement is executed the BONDS of the two remaining unsuccessful BIDDERS will be returned upon request of the BIDDER. The BID BOND of the successful BIDDER will be retained until the PAYMENT BOND and PERFORMANCE BOND have been executed and approved, after which it will be returned upon request of the BIDDER. A certified check may be used in lieu of a BID BOND.

A PERFORMANCE BOND and a PAYMENT BOND, each in the amount of 100 percent (100%) of the CONTRACT PRICE, with a corporate surety approved by the OWNER, will be required for the faithful performance of the contract.

Attorneys-in-fact who sign BID BONDS or PAYMENT BONDS and PERFORMANCE BONDS must file with each BOND a certified and effective dates copy of their Power of Attorney.

The party to whom the contract is awarded will be required to execute the Agreement and obtain the PERFORMANCE BOND and PAYMENT BOND within ten (10) calendar days from the date when NOTICE OF AWARD shall be accompanied by the necessary Agreement and BOND forms. In case of failure of the BIDDER to execute the Agreement, the OWNER may consider the BIDDER in default, in which case the BID BOND accompanying the proposal shall become the property of the OWNER.

The OWNER within thirty (30) days of receipt of acceptable PERFORMANCE BOND, PAYMENT BOND and Agreement signed by the party to whom the Agreement was awarded, shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the OWNER not execute the Agreement within such period, the BIDDER may by WRITTEN NOTICE withdraw the signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the OWNER.

The NOTICE TO PROCEED shall be issued within thirty (30) days of the execution of the Agreement by the OWNER. Should there be reasons why the NOTICE TO PROCEED cannot be issued within such period; the time may be extended by mutual agreement between the OWNER and CONTRACTOR. If the NOTICE TO PROCEED has not been issued within the thirty (30) day period or within the period mutually agreed upon, the CONTRACTOR may terminate the Agreement without further liability on the part of either party.

The OWNER may make such investigations as deemed necessary to determine the ability of the BIDDER to perform the WORK, and the BIDDER shall furnish to the OWNER all such information and data for this purpose as the OWNER may request. The OWNER reserves the right to reject any BID if the evidence submitted by, or investigation of, such BIDDER fails to satisfy the OWNER that such BIDDER is properly qualified to carry out the obligations of the Agreement and to complete the WORK contemplated therein.

A conditional or qualified BID will not be accepted.

Award will be made to the lowest and best responsive and responsible BIDDER.

All applicable Laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the PROJECT shall apply to the contract throughout.

Each BIDDER is responsible for inspecting the site and for reading and being thoroughly familiar with the CONTRACT DOCUMENTS. The failure or omission of any BIDDER to do any of the foregoing shall in no way relieve any BIDDER from any obligation in respect to his BID.

FURTHER, the BIDDER agrees to abide by the requirements under Executive Order No. 11246, as amended, including specifically the provisions of the equal opportunity clause.

The BIDDER shall supply the names and addresses of major material SUPPLIERS and SUBCONTRACTORS when required to do so by the OWNER.

The ENGINEER is SHOWS, DEARMAN & WAITS, INC. The address of the ENGINEER is 301 2nd Avenue, HATTIESBURG, MISSISSIPPI.

Notice to Bidders 1

Please note there have been several changes to the City of Hattiesburg standards for various aspects of construction associated with this project.

Notice to Bidders 2

The City of Hattiesburg intends to construct a transportation project along Camp Street in a separate contract. The CONTRACTOR shall maintain a temporary surface throughout the life of this project along the entire limits of the project on Camp Street until the issuance of substantial completion. Further, the CONTRACTOR shall phase work such that the work associated with Camp Street is completed first as to not delay the transportation project.

PROPOSAL FORM

I (we) agree to begin work within (10) calendar days after the issuance of Notice to Proceed, and to complete the work within 420 calendar days thereafter.

It is understood that the quantities of work listed for unit prices bid are approximate, and are intended to merely indicate the general scope of the various items entering into the complete work and for comparison of bids. It is further understood and agreed that the Owner may increase or decrease the quantities listed in the Proposal and that no change in the unit prices proposed shall be occasioned thereby.

The undersigned further agrees that the unit and lump sum prices quoted include all items of work required or necessary for the accomplishment of the projected work and that these items include all work indicated on the Plans and Specifications for which no specific pay items have been established.

The undersigned certifies that the bid prices contained herein have been carefully checked and are submitted as correct and final.

If within sixty (60) days the scheduled closing time for receipt of bids, this Proposal is accepted, the undersigned will execute a formal contract within ten (10) days after official notification thereof, will deliver a surety bond for the faithful performance of this contract, and will complete the work within the time specified from the date of execution of the contract.

Respectfully Submitted,

Authorized by:

ADDRESS

PROPOSAL					
COMPREHENSIVE SEWER/WATER IMPROVEMENTS - PHASE VIII					
CAMP STREET AREA					
Item	Description	Unit	Quantity	Unit Price	Extension
	Sewer Pipe Items				
1	8" SDR 26 PVC Sewer Pipe (0'- 6')	LF	2,109		
2	8" SDR 26 PVC Sewer Pipe (6'- 8')	LF	5,576		
3	8" SDR 26 PVC Sewer Pipe (8'- 10')	LF	2,961		
4	8" SDR 26 PVC Sewer Pipe (10'- 12')	LF	863		
5	8" SDR 26 PVC Sewer Pipe (12'- 14')	LF	249		
6	10" SDR 26 PVC Sewer Pipe (0'- 6')	LF	25		
7	10" SDR 26 PVC Sewer Pipe (6'- 8')	LF	351		
8	10" SDR 26 PVC Sewer Pipe (8'- 10')	LF	325		
9	10" SDR 26 PVC Sewer Pipe (10'- 12')	LF	239		
10	10" SDR 26 PVC Sewer Pipe (12'- 14')	LF	130		
11	10" SDR 26 PVC Sewer Pipe (14'- 16')	LF	67		
12	8" Ductile Iron Sewer Pipe (0'- 6')	LF	384		
13	8" Ductile Iron Sewer Pipe (6'- 8')	LF	20		
14	10" Ductile Iron Sewer Pipe (0'- 6')	LF	25		
15	10" Ductile Iron Sewer Pipe (6'- 8')	LF	30		
16	Removal of Existing Sewer Line	LF	10,650		
17	Abandonment of Existing Sewer Line (All Sizes)	LF	3,220		
18	Tracer Wire System for Sewer	LF	19,153		

	Sewer Manhole Items				
19	48" Precast Concrete Sewer Manhole (0' - 6')	EA	6		
20	48" Precast Concrete Sewer Manhole (6' - 8')	EA	32		
21	48" Precast Concrete Sewer Manhole (8' - 10')	EA	8		
22	48" Precast Concrete Sewer Manhole (10' - 12')	EA	1		
23	48" Precast Concrete Sewer Manhole (12' - 14')	EA	3		
24	48" Precast Concrete Sewer Manhole (0' - 6') (Flat Top)	EA	3		
25	60" Precast Concrete Sewer Manhole (0' - 6')	EA	1		
26	60" Precast Concrete Sewer Manhole (6' - 8')	EA	1		
27	60" Precast Concrete Sewer Manhole (8' - 10')	EA	1		
28	60" Precast Concrete Sewer Manhole (10' - 12')	EA	1		
29	60" Precast Concrete Sewer Manhole (6' - 8') (Doghouse)	EA	2		
30	72" Precast Concrete Splitter Sewer Manhole (10' - 12') (Doghouse)	EA	1		
31	Demolition and Removal of Existing Manholes (All Types)	EA	35		
32	Abandonment of Existing Manhole	EA	12		
33	Drop Manhole Assembly (All Depths)	EA	1		
	Sewer Service Items				
34	4" Sanitary Sewer Service Cleanout	EA	231		
35	4" SDR 26 PVC Pipe Sanitary Sewer Service (Incl Fittings)	LF	316		
36	6" SDR 26 PVC Pipe Sanitary Sewer Service (Incl Fittings)	LF	3,792		
37	8"x8"x6" PVC Service Tee	EA	203		
38	10"x10"x6" PVC Service Tee	EA	20		
39	8"x8"x6" Ductile Iron Service Tee	EA	5		
	Water Pipe Items				
40	2" & Under 150 PSI PVC Water Pipe for Connections (Open Cut)	Lin. Ft.	40		
41	6" Class 350 Ductile Iron Water Pipe (Open Cut)	Lin.Ft	8,340		

42	8" Class 350 Ductile Iron Water Pipe (Open Cut)	Lin. Ft.	4,680		
43	8" 200 PSI, DR9, HDPE (Directional Bore) (Incl. adapter fittings)	Lin. Ft.	500		
44	10" 200 PSI, DR9, HDPE (Directional Bore) (Incl. adapter fittings)	Lin. Ft.	360		
45	Tracer Wire System for Water	LF	22,864		
	Water Connection Items				
46	Cut and Cap Existing Water Line in Place	Each	6		
47	Connection: Proposed 6" to Existing 2" (Straight - Reducer and Coupling)	Each	1		
48	Connection: Proposed 6" to Existing 6" (Straight - Coupling)	Each	2		
49	Connection: Proposed 6" to Existing 6" (Tee & other fittings)	Each	3		
50	Connection: Proposed 6" to Existing 6" (Hot Tap w/ Valve Assembly)	Each	8		
51	Connection: Proposed 6" to Existing 12" (Hot Tap w/ Valve Assembly)	Each	2		
52	Connection: Proposed 6" to Proposed 6" (Tee & other fittings)	Each	1		
53	Connection: Proposed 8" to Existing 6" (Tee & other fittings)	Each	11		
54	Connection: Proposed 8" to Existing 6" (Hot Tap w/ Valve Assembly)	Each	1		
55	Connection: Proposed 8" to Existing 8" (Hot Tap w/ Valve Assembly)	Each	1		
56	Connection: Proposed 8" to Existing 12" (Hot Tap w/ Valve Assembly)	Each	3		
57	Connection: Proposed 8" to Proposed 6" (Tee & other fittings)	Each	5		
58	Connection: Proposed 8" to Proposed 8" (Tee & other fittings)	Each	3		

	Water Valve Items				
59	6" Gate Valve	Each	27		
60	8" Gate Valve	Each	22		
	Water Fire Protection Items				
61	3 Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe, & other fittings)	Each	16		
62	Removal of Existing Fire Hydrant	Each	9		
	Water Service Items				
63	Residential Service Tap (All Sizes) (Incl: Open Cut Service Tubing, Tapping Saddle, Corp Stop, etc)	Each	242		
64	Commercial Service Tap (All Sizes) (Incl: Open Cut Service Tubing, Tapping Saddle, Corp Stop, etc)	Each	33		
65	Service Tubing (Open Cut) (All Sizes)	LF	2,385		
66	Service Tubing (Bored) (All Sizes)	LF	4,480		
67	Water Service Meter (Residential)	Each	15		
	Miscellaneous Construction Items				
68	Crushed Aggregate (Size 825)	Ton	5,250		
69	Select Fill Material (Class 9, Group C), LVM	CY	23,770		
70	Concrete Pavement Repair (All Depths)	SY	1062		
71	Hardy Street Roadway Repair (Special Construction)	SY	50		
72	9.5mm Hot Mix Asphalt	Ton	855		
73	19mm Hot Mix Asphalt	Ton	1970		
74	Concrete Sidewalk Repair (All Depths)	SY	55		
75	Concrete Curb & Gutter (Match Existing Type)	LF	370		
76	Concrete Ditch Repair	SF	95		
77	Class "B" Concrete, Minor Structures	CY	10		
78	Reinforcing Steel	LBS	470		

79	Inlet Gratings	LBS	765		
80	Inlet Castings	LBS	79		
81	12" Corrugated HDPE Pipe (Dual Wall)	LF	64		
82	15" Corrugated HDPE Pipe (Dual Wall)	LF	20		
83	12" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	LF	32		
84	15" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	LF	370		
85	18" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	LF	210		
86	18"x11" Reinforced Concrete Arch Pipe (Class III) (Plastic Gaskets)	LF	76		
87	Removal of Existing Pipe Cross Drains (All Sizes and Depths)	LF	750		
88	Removal of Existing Corrugated HDPE Pipe (All Sizes and Depths) and Reset	LF	20		
89	Remove, Salvage and Reset Existing Wood Fence	LF	335		
90	Remove, Salvage and Reset Existing Net Wire Fence	LF	185		
91	Remove, Salvage and Reset Existing Chain Link Fence	LF	1,435		
92	6" Yellow Thermoplastic Detail Traffic Stripe	LF	1,550		
93	Lengend White Thermoplastic Traffic Marking (6" Equivalent)	LF	1,440		
94	Solid Sod (Incl. Sod, Top Soil, Fertilizer, Watering, etc.)	SY	8,050		
95	Landscape Restoration (Inc. Top Soil, Plants, Mulch, Watering, etc.)	SF	630		
96	Clearing and Grubbing	Acre	2		
97	Temporary Erosion Control	LS	1		
98	Maintenance of Traffic	LS	1		
99	Mobilization	LS	1		
				TOTAL BID:	

Base Bid Respectfully Submitted, Name of Firm or Bidder: _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS: that we, the under signed, _____
_____ Principal, and _____
_____ as Surety, are hereby held and firmly bound unto the City of Hattiesburg as Owner in the penal sum of 5% (Five Percent) for payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns.

Signed, this _____ day of _____, 20_____.

The Condition of the above obligation is such that whereas the Principal has submitted to a certain BID, attached hereto and hereby made a part hereof to enter into a contract in writing, for the following project:

COMPREHENSIVE SEWER/WATER IMPROVEMENTS – PHASE VIII HATTIESBURG, MISSISSIPPI

NOW, THEREFORE,

(a) If said BID shall be rejected, or

(b) If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said BID) and shall furnish a BOND for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any extension of the time within which the OWNER may accept such BID; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year set forth above.

PRINCIPAL

SURETY

BY: _____

IMPORTANT: Surety companies executing BONDS must appear on the Treasure Department's most current line (Circular 570 as amended) and be authorized to transact business in the State where the project is located.

CONTRACT AGREEMENT

THIS AGREEMENT made and entered into this ____ day of _____, 20____ by and between _____ hereinafter called the CONTRACTOR, the City of Hattiesburg hereinafter called the OWNER, Witnesseth that the CONTRACTOR and the OWNER, for the consideration hereafter named and agrees as follows.

ARTICLE 1: SCOPE OF WORK

The CONTRACTOR agrees to furnish all tools, labor, equipment, materials, and supplies required to be furnished, and perform all work required under and in accordance with the plans entitled:

COMPREHENSIVE SEWER/WATER IMPROVEMENTS – PHASE VIII HATTIESBURG, MISSISSIPPI

which are on file at the office of the OWNER, and the Specifications, Proposals, General and Special Conditions, attached hereto and made a part hereof as fully as though copied herein, under the direct supervision and to the entire satisfaction of the OWNER and in accordance with the Laws of the State of Mississippi.

ARTICLE 2: THE CONTRACT SUM

It is further agreed and understood by and between the parties hereunto that the OWNER agrees to pay and the CONTRACTOR agrees to accept full and final compensation for all work done under this agreement, the lump sum amount adjusted for variation of quantities at the unit prices named in the Proposal, which is hereto attached, such payment to be made in lawful money of the United States, at the time and in the manner hereinafter set forth.

ARTICLE 3: TIME OF COMPLETION

The CONTRACTOR agrees, for the consideration above expressed, to begin and complete the work within the time specified in the Proposal. If the CONTRACTOR fails to complete the work in the time specified, he shall pay the OWNER as **liquidated damages**, ascertained and agreed, and not in the nature of a penalty, the sum of **\$1,000.00** for each day delayed, which shall be deducted from the final amount to be paid under the contract; provided that the extension of time with the waiver of liquidation damages may be granted as provided for in the Specifications.

ARTICLE 4: PROGRESS PAYMENTS

The OWNER agrees to make progress payments during the construction as provided herein as follows:

The CONTRACTOR will on or before the tenth (10th) day of each month make an estimate of the value of the work done, based on contract prices, and submit to the ENGINEER, along with an affidavit by the CONTRACTOR that progress payments theretofore received from OWNER have discharged in full all the CONTRACTOR's obligations stated in prior progress payments. ENGINEER will recommend partial payment to the OWNER within a reasonable time of receipt of CONTRACTOR's estimate based on the ENGINEER's estimated quantities.

The OWNER agrees to pay the CONTRACTOR one hundred percent (100%) of the value of the work done each month, less retainage in accordance with MS Code of 1972 Section 31-5-33 until final acceptance of the work has been made. If defective and/or materials are discovered or reasonable doubt arises to the integrity of any part of the work for which partial payment has been allowed, a deduction from subsequent estimates in the amount equal to the work in question will be made until the defects have been remedied or the cause for doubt removed.

ARTICLE 5: ACCEPTANCE AND FINAL PAYMENT

Upon receipt of written notice that the work is ready for final acceptance and inspection, the ENGINEER shall promptly make such inspection, and when he finds the work acceptable under the contract, and the contract fully performed, he shall promptly issue a final certificate, over his own signature, stating that the work provided for in this Contract has been completed and is accepted by him under the terms and conditions thereof. Then, the entire balance shall be due the CONTRACTOR within forty-five (45) days the date of said final acceptance and receipt of the closeout documents required per the Supplement to General Conditions and recommendation of the same to the OWNER.

Before issuance of final certificate, the CONTRACTOR shall submit evidence satisfactory to the ENGINEER that all payrolls, materials, bills, and other indebtedness connected with the work have been paid.

The making and acceptance of the final payment shall constitute a waiver of all claims by the OWNER, other than those arising from unsettled liens, from faulty work or materials appearing within one (1) year after payment, or claims previously made and still unsettled.

If, after the work has been substantially completed, full completion thereof is materially delayed through no fault of the CONTRACTOR, and the ENGINEER, so certifies, the OWNER shall, upon certificate of the ENGINEER and without terminating the Contract, make payment of the balance due for that portion of the work fully completed and accepted. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of claims.

ARTICLE 6: THE PERFORMANCE BOND

The CONTRACTOR agrees to furnish a bond, with an approved surety thereon guaranteeing the performance of this contract, in no less than one hundred percent (100%) of the amount of the Contract. Said Bond shall be conditioned on full and complete performance of the Contract, and for the payment of all labor and materials for a period of one (1) year after completion. The Surety on said Bond shall be a surety company of financial resources satisfactory to the OWNER and authorized to do business in the State of Mississippi.

ARTICLE 7 INSURANCE

The CONTRACTOR agrees to also carry public liability insurance, property damage insurance, and workman's compensation insurance in amounts as required by the specifications.

WITNESSETH: that for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the construction of the project specified herein.
2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor, and other services necessary for the construction and completion of the project described herein.
3. The CONTRACTOR will commence the work required by the "Contract Documents" and complete the project on or before the completion date unless the period for completion is extended otherwise by the "Contract Documents."
4. The CONTRACTOR agrees to perform all of the work described in the "Contract Documents" and comply with the terms therein for the sum as shown in the bid schedule.
5. The term "Contract Documents" means and includes the following:

Advertisement for Bids	Notice of Award
Instructions to Bidders	Notice to Proceed
Bid	Change Order
Bid Bond	General Conditions
Contract Agreement	Supplemental General Conditions
Payment Bond	Technical Specifications
Performance Bond	Drawings
Addenda	

6. The OWNER will pay to the CONTRACTOR in the manner and at such times as set forth in the "General Conditions" such amounts as required by the "Contract Documents."

7. This "Contract Agreement" shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

OWNERS:

SEAL

City of Hattiesburg

Authorized by:

ATTEST _____

(Printed Name & Title)

CONTRACTOR:

SEAL

ATTEST _____

IMPORTANT NOTE: Surety companies executing bonds must appear on the US Treasury Department's most current list (Circular 570, as amended) and be authorized to transact business in the state where the project is located.

PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: THAT WE, the Undersigned _____ (hereinafter called the Principal), a corporation, partnership or individual duly unauthorized by law to do business as a construction contractor in the State of Mississippi, and _____ of _____ (herein called the Surety), a corporation duly authorized to do surety business under the laws of the State of Mississippi, are held and firmly bound unto the City of Hattiesburg, MS (hereinafter called the Obligee), a Municipality existing under the laws of the State of Mississippi, in the penal sum of _____ Dollars (_____) lawful money of the United States, for the payment of which well and truly to be made, the said Principal and the said Surety do hereby bind ourselves, our heirs, executors, administrators and assigns, jointly and severally, by these presents, as follows:

The Condition of this obligation is such that; whereas Principal by an instrument in writing attached hereto and bearing date of _____ has agreed with said Obligee to do all work necessary and to furnish labor, materials, tools, supplies and services to construct **COMPREHENSIVE SEWER/WATER IMPROVEMENTS – PHASE VIII, HATTIESBURG, MISSISSIPPI** as shown on Plans and specified thereby in the Specifications, Proposal and other Contract Documents hereto attached.

NOW THEREFORE, if said Principal shall well and truly in good, sufficient and workmanlike manner, and to the satisfaction of Obligee perform and complete the work required, and shall defend, indemnify and save harmless said Obligee against all damages, claims, demands, expense and charge of every kind (including claims of patent infringement) arising out of injury or damage to persons or property by reason or arising from any act, omission or neglect of said Principal, his agent, servants or employees with relation to said work; and shall pay all cost, charges, rentals and expenses for labor, material, supplies and equipment and deliver the said improvement to Obligee completed and ready for occupancy or operation, and free from all liens, encumbrances or claims for labor, material or otherwise; and shall pay all other expenses lawfully chargeable to Obligee by reason of any default or neglect of the said Principal in the relation of said agreement and said work, then this obligation shall be void, otherwise to remain in full force and effect.

PROVIDED FURTHER, that the said surety for value received hereby stipulates and agrees that no charge, extension of time, alteration or addition to the terms of the Contract, or the work to be performed thereunder, or the Specifications accompanying the same, shall in any way affect its obligation on this bond and does hereby waive notice of any change, extension of time, alteration or addition to the terms of the Contract, or to the work, or to the Specifications.

PROVIDED FURTHER, that if Principal, or his, or its subcontractor or subcontractors fail to duly pay for any labor, materials, team hire, sustenance provisions or any other supplies or materials used or consumed by such Principal or his, their or its subcontractors in performance of the work contracted to be done, the Surety will pay the same in any amount not exceeding the sum specified in the bond, together with interest as provided by law.

IN WITNESS THEREOF: Said Principal and Surety have hereunto set their hands and seals at _____ this _____ day of _____, 20__.

(SEAL)

WITNESSES:

PRINCIPAL

ADDRESS

Name of person executing for Principal

TITLE

SURETY

ADDRESS

WITNESSES:

Name of person executing for Surety

TITLE

GENERAL CONDITIONS

ARTICLE 1 - DEFINITIONS

Wherever used in these General Conditions or in the other Contract Documents, the following terms shall have the meaning indicated which shall be applicable to both the singular and plural thereof.

ACCEPTANCE: By the OWNER of the Work as being fully complete in accordance with the Contract Documents.

AGREEMENT: The written agreement between the OWNER and the CONTRACTOR covering the Work to be performed: The Contract Documents are attached to and made a part of the Agreement. Also designated as the Contract.

ADDENDA: Written or graphic instruments issued prior to the execution of the Agreement which modify or interpret the Contract Documents, Drawings and Specifications, by addition, deletions, clarifications or corrections.

APPLICATION FOR PAYMENT: The form furnished by the ENGINEER which is to be used by the CONTRACTOR in requesting progress payments and an affidavit of the CONTRACTOR that progress payments theretofore received from the OWNER on account of the WORK have been applied by the CONTRACTOR to discharge in full all of the CONTRACTOR'S obligations stated in prior Applications for Payment.

APPROVAL: Accept as satisfactory.

BID: The offer or proposal of the Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

BIDDER: Any person, firm or corporation submitting a Bid for the Work.

BONDS: Bid, performance and payment bonds and other instruments of security furnished by the CONTRACTOR and his surety in accordance with the Contract Documents and in accordance with the law of the place of the project.

CHANGE ORDER: A written order to the CONTRACTOR signed by the OWNER authorizing an addition, deletion or revision in the Work, or an adjustment in the Contract Price or the Contract Time issued after execution of the Agreement.

CONTRACT DOCUMENTS: The Agreement, Addenda, Instruction's to Bidders, CONTRACTOR'S BID, the Bonds, the Notice of Award, these General Conditions,

the Supplementary conditions, Special Conditions, Technical Conditions, the Specifications, Drawings and Modifications, and Notice to Proceed.

CONTRACT PRICE: The total moneys payable to the CONTRACTOR under the Contract Documents.

CONTRACT TIME: The number of calendar days stated in the Agreement for the completion of the Work.

CONTRACTING OFFICER: The OWNER (Grantee) - The individual who is authorized to sign the contract documents on behalf of the OWNER'S governing body.

CONTRACTOR: The person, firm or corporation with whom the OWNER has executed the Agreement.

DAY: A calendar day of twenty-four hours measured from midnight to the next midnight.

DRAWINGS: The drawings which show the character and scope of the Work to be performed and which have been prepared or approved by the ENGINEER and are referred to in the Contract Documents.

ENGINEER: The person, firm or corporation named as such in the Contract Documents.

FIELD ORDER: A written order issued by the ENGINEER which clarifies or interprets the Contract Documents in accordance with Paragraph 9.3 or orders minor changes in the Work in accordance with paragraph 10.2.

HE, HIS, AND HIM: These are several pronouns that shall represent both male and female genders.

MODIFICATION: (a) A written amendment of the Contract Documents signed by both parties, (b) a Change Order (c) a written clarification or interpretation issued by the ENGINEER in accordance with paragraph 9.3 or (d) a written order for a minor change or alteration in the Work issued by the ENGINEER pursuant to paragraph 10.2. A modification may only be issued after execution of the Agreement.

NOTICE OF AWARD: The written notice by OWNER to the apparent successful Bidder stating that upon compliance with the conditions precedent to be fulfilled by him within the time specified, OWNER will execute and deliver the Agreement to him.

NOTICE TO PROCEED: A written notice given by OWNER to CONTRACTOR (with a copy to ENGINEER) fixing the date on which the Contract Time will commence to run and on which CONTRACTOR shall start to perform his obligations under the Contract Documents.

OWNER: A public body or authority, corporation, association, partnership, or individual for whom the Work is to be performed.

PROJECT: The entire construction to be performed as provided in the Contract Documents.

CONSTRUCTION OBSERVER, RESIDENT INSPECTOR, CONSTRUCTION INSPECTOR, PROJECT REPRESENTATIVE: An authorized representative of the ENGINEER assigned to observe the Work performed and materials furnished by the CONTRACTOR or such other person as may be appointed by the OWNER as his representative. The CONTRACTOR shall be notified in writing of the identity of this representative.

SHOP DRAWINGS: All drawings, diagrams, illustrations, brochures, schedules and other data which are prepared by the CONTRACTOR, a Subcontractor, manufacturer, supplier or distributor and which illustrate the equipment, material or some portion of the Work and as required by the Contract Documents.

SAMPLES: Physical examples which illustrate materials, equipment or workmanship and establish standards by which the Work will be judged.

SPECIFICATIONS: Those portions of the Contract Documents consisting of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work.

SUBCONTRACTOR: An individual, firm or corporation having a direct contract with CONTRACTOR or with any other Subcontractor for the performance of a part of the Work at the site.

SUBSTANTIAL COMPLETION: Substantial completion may be granted for all or portions of the work prior to final completion and stopping of contract time. Substantial completion is defined as the date when the construction is sufficiently completed in accordance with the contract documents so that the project or specified part of the project can be utilized for the purpose for which it was intended. The contract provides that the retainer may be reduced for that portion of the work which substantial completion is granted, but the granting of substantial completion will not stop contract time or liquidated damages.

SUPPLEMENTARY GENERAL CONDITIONS: Federal and State conditions in effect at time of submission of Bid in addition to those Supplementary General

Conditions attached here to.

SUPPLIER: Any person or organization who supplies materials or equipment for the Work, including that fabricated to a special design, but who does not perform labor at the site.

SPECIAL CONDITIONS: When included as a part of the Contract Documents, Special Conditions refer only to the Work under this Contract.

SURETY: The corporate body which is bound with the CONTRACTOR and which engages to be responsible for the CONTRACTOR and his acceptable performance of the Work.

WORK: Any and all obligations, duties and responsibilities necessary to the successful completion of the Project assigned to or undertaken by CONTRACTOR under the Contract Documents, including all labor, materials, equipment and other incidentals, and the furnishing thereof.

WRITTEN NOTICE: The term "Notice" as used herein shall mean and include all written notices, demands, instructions, claims, approvals, and disapprovals required to obtain compliance with Contract requirements. Written notice shall be deemed to have been duly served if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or to an authorized representative of such individual, firm or corporation, or if delivered at or sent by registered mail to the last business address known to him who gives the notice. Unless otherwise stated in writing, any notice to or demand upon the OWNER under this Contract shall be delivered to the OWNER through the ENGINEER.

ARTICLE 2 - PRELIMINARY MATTERS:

AWARD:

2.2 The award of the Contract, if it is awarded, will be to the lowest and best responsible, responsive Bidder. No Notice of Award will be given until the OWNER has concluded such investigations as he deems necessary to establish the responsibility, qualifications, and financial ability of the Bidders to do the Work in accordance with the Contract Documents to the satisfaction of the OWNER within the time prescribed. The OWNER reserves the right to reject the BID of any Bidder who does not pass such investigation to the OWNER'S satisfaction. In analyzing Bids, the OWNER may take into consideration alternates and unit prices, if requested by the Bid Form. If the Contract is awarded, the OWNER will issue the NOTICE of AWARD and give the successful Bidder a contract for execution within sixty (60) days after the opening of Bids.

EXECUTION OF AGREEMENT:

2.3 At least three counterparts of the Agreement and such other Contract Documents will be executed and delivered by CONTRACTOR to the ENGINEER within 10 days of receipt from the OWNER.

FORFEITURE OF BID SECURITY:

2.4 Failure of the successful Bidder to execute and deliver the Agreement and deliver the required Bonds as stipulated in paragraph 2.3 shall be just cause for the OWNER to annul the Notice of Award and declare the Bid and any security therefore forfeited.

The quantities appearing in the bid schedule are approximate and have been prepared for comparison of bids. The OWNER does not guarantee or assume any responsibility that quantities shown on the plans will not vary during actual construction of the contract. The CONTRACTOR further acknowledges the possibility of variation of quantities, shall be precluded from claiming in the construction of the project, and the CONTRACTOR shall not claim deception or misunderstanding because of any variation in quantities, location, character of work, or any other condition. Payment will be made only for actual quantities of work performed and accepted.

The OWNER makes no guarantees regarding the character or extent of water levels, soil, rock, utilities, or any other subsurface condition the BIDDER may encounter during work. The OWNER requires BIDDERS to make their own evaluation of subsurface soil conditions and to determine how these conditions may affect methods of construction.

CONTRACTOR'S PRE-BID REPRESENTATIONS:

2.1 CONTRACTOR represents that he has familiarized himself with, and assumes full responsibility for having familiarized himself with, the nature and extent of the Contract Documents, Work, Locality, and local conditions and will obey all federal, state, and local laws, ordinances, rules and regulations that may in any manner affect performance of the Work, and represents that he has correlated his study and observations with the requirements of the Contract Documents. CONTRACTOR also represents that he has studied all surveys and investigation reports of subsurface and latent physical conditions referred to in the Specifications and made such additional surveys and investigations as he deems necessary for the performance of the Work at the Contract Price in accordance with the requirements of the Contract Documents and that he has correlated the results of all such data with the requirements of the Contract Documents.

COMMENCEMENT OF CONTRACT TIME:

2.5 The Contract Time will commence to run in accordance with the Notice to Proceed.

STARTING THE PROJECT:

2.6 CONTRACTOR shall start to perform his obligations under the Contract Documents on the date when the Contract Time commences to run. No Work shall be done at the site prior to the date on which the Contract Time commences to run, except with the written consent of the OWNER.

BEFORE STARTING CONSTRUCTION:

2.7 Before undertaking each part of the Work, CONTRACTOR shall carefully study and compare the Contract Documents and check and verify pertinent figures shown thereon and all applicable field measurements. He shall at once report in writing to ENGINEER any conflict, error or discrepancy which he may discover; however, he shall not be liable to OWNER or ENGINEER for his failure to discover any conflict, error or discrepancy in the Drawings or Specifications. CONTRACTOR shall pot-hole existing utilities to ascertain exact location throughout the entire project. CONTRACTOR shall notify the ENGINEER any such locations of utilities which will prevent the work from being performed as designed, any work performed in which conflicts with an existing utility shall be remedied by the CONTRACTOR at his sole expense.

SCHEDULE OF COMPLETION:

2.8 Within ten (10) days after delivery of the Notice to Proceed by OWNER to CONTRACTOR, CONTRACTOR shall submit to ENGINEER an estimated progress schedule with earnings indicating the starting and completion dates of the various stages of the Work, and a preliminary schedule of Shop Drawing submissions. (See paragraphs 6.22 through 6.26.) The ENGINEER shall review and return this schedule or require revisions thereto within 14 days of its submittal. If there is more than one CONTRACTOR involved in a project, the responsibility for coordinating the Work of all CONTRACTORS shall be as provided in the Special Conditions.

2.9 At a time deemed appropriate by the OWNER to but before starting the Work at the site, a preconstruction conference may be held to review the above schedules, to establish procedures for handling shop drawings and other submissions and for processing Applications for Payment, and to establish a working understanding between the parties as to the project. Present at the conference will be the OWNER or his representative, ENGINEER, Resident Project Representatives, CONTRACTOR and his Superintendent.

QUALIFICATION OF SUBCONTRACTORS MATERIALMEN AND SUPPLIERS:

2.10 Within ten (10) working days after bid opening, the CONTRACTOR will (if required) submit to the OWNER and the ENGINEER, for acceptance, a list of the names of Subcontractors and such other persons and organizations (including those who are to furnish principal items of material or equipment) proposed for those portions of the Work as to which the identity of the Subcontractors and other person and organizations must be submitted as specified in the Contract Documents. Within thirty (30) working days after receiving the list, the ENGINEER will notify the CONTRACTOR in writing if either the OWNER or the ENGINEER, after due investigation, has reasonable objection to any Subcontractor, person or organization on such list. The failure of the OWNER or the ENGINEER to make objection to any Subcontractor, person or organization on the list within thirty days of receipt shall constitute an acceptance of such Subcontractor, person or organization. Acceptance of any such Subcontractor, person or organization shall not constitute a waiver of any right of the OWNER or the ENGINEER to reject defective Work, material or equipment, or Work, material or equipment not in conformance with the requirements of the Contract Documents.

ARTICLE 3 - CORRELATION, INTERPRETATION AND INTENT OF CONTRACT DOCUMENTS:

3.1 It is the intent of the Specifications and Drawings to describe a complete Project to be constructed in accordance with the Contract Documents. The Contract Documents comprise the entire Agreement between the OWNER and the CONTRACTOR. They may be altered only by a Modification.

3.2 The Contract Documents are complementary; what is called for by one is as binding as if called for by all. If CONTRACTOR finds a conflict, error or discrepancy in the Contract Documents, he shall call it to the ENGINEER'S attention in writing at once and before proceeding with the Work affected thereby; however, he shall not be liable to OWNER or ENGINEER for his failure to discover any conflict, error or discrepancy in the Specifications or Drawings. The various Contract Documents shall be given precedence, in case of conflict, error or discrepancy, as follows: Agreement Modifications, Addenda, Special Conditions, and Instruction's to Bidders, General Conditions, Technical Specifications and Drawings. If the requirements of one are more stringent than the other, the more stringent requirements shall apply.

3.3 The words "furnish", "furnish and install", "install", and "provide" or words with similar meaning shall be interpreted, unless otherwise specifically stated, to mean "furnish and install complete in place and ready for service."

3.4 Miscellaneous items and accessories which are not specifically mentioned, but which are essential to produce a complete and properly operating installation, or usable structure or plant providing the indicated function, shall be furnished and installed without change in the Contract Price. Such miscellaneous items and accessories shall be of the same quality standards including material, style, finish, strength, class, weight and other applicable characteristics, as specified for the major component of which the miscellaneous item or accessory is an essential part, and shall be approved by the ENGINEER before installation. The above requirement is not intended to include major components not covered by or inferable from the Drawings and Specifications.

3.5 The Work of all trades under this Contract shall be coordinated by the CONTRACTOR in such a manner as to obtain the best workmanship possible for the entire Project, and all components of Work shall be installed or erected in accordance with the best practices of the particular trade.

3.6 Manufacturer's literature, when referenced, shall be dated and numbered and is intended to establish the minimum requirements acceptable. Whenever reference is given to codes or standard specifications or other data published by regulating agencies or accepted organizations, including but not limited to National Electrical Code, applicable State Building Code, Federal Specifications, ASTM Specifications, various institute specifications, and the like, it shall be understood that such reference is to the latest edition including addenda in effect on the date of Bid.

3.7 Brand names where used in the Technical Specifications, are intended to denote the standard of quality required for the particular material or product. The use of a brand name item is to set a standard of quality and is not intended to restrict the Contractor from offering an equal item from other source(s) of supply. The term "equal" or "equivalent" when used in connection with brand names, shall be interpreted to mean a material or product that is similar and equal in type, quality, size, capacity, composition, finish, color and other applicable characteristics to the material or product specified by trade name, and that is for the same use and capable of performing the same function, in the opinion of the ENGINEER, as the material or product so specified. Proposed equivalent items must be approved by ENGINEER before they are purchased or incorporated in the Work.

ARTICLE 4 - AVAILABILITY OF LANDS; SUBSURFACE CONDITIONS; REFERENCE POINTS:

Availability of Lands

4.1 The OWNER will furnish, as indicated in Contract Documents, the lands upon which the Work is to be done, rights-of-way for access thereto, and such other

lands which are designated for use of the CONTRACTOR. Easements for permanent structures or permanent changes in existing facilities will be obtained and paid for by the OWNER, unless otherwise specified in the Contract Documents. Other access to such lands or rights-of-way for the CONTRACTOR'S convenience shall be the responsibility of the CONTRACTOR. The CONTRACTOR will provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

4.2 The OWNER will, upon request, furnish to the BIDDERS copies of all available boundary surveys.

Subsurface Conditions:

4.3 The CONTRACTOR acknowledges that he has investigated prior to bidding and satisfied himself as to the conditions affecting the Work, including but not restricted to those bearing upon transportation, disposal, handling and storage of materials, availability of labor, water, electric power, roads and uncertainties of weather, river stages, tides, water tables or similar physical conditions at the site, the conformation and conditions of the grounds, the character of equipment and facilities needed preliminary to and during prosecution of the Work. The CONTRACTOR further acknowledges that he has satisfied himself as to the character, quality and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information is reasonably ascertainable from an inspection of the site, including all exploratory work done on behalf of the OWNER on the site or any contiguous site, as well as from information presented by the Drawings and Specifications made a part of this Contract, or any other information made available to him prior to receipt of Bids. Any failure by the CONTRACTOR to acquaint himself with the available information will not relieve him from responsibility for estimating properly the difficulty or cost of successfully performing the Work. Any additional information necessary to ascertain subsurface soil conditions, including test holes and soil borings, not provided by the OWNER shall be undertaken by the BIDDER prior to bidding at his cost. Such exploration shall be adequate to satisfy the BIDDER of the materials expected to be encountered on the project. The OWNER assumes no responsibility for any conclusions or interpretations made by the CONTRACTOR on the basis of the information made available by the OWNER.

Differing Site Conditions

4.4 (a) The CONTRACTOR shall promptly, and before such conditions are disturbed, notify the OWNER in writing of: (1) subsurface or latent physical conditions at the site differing materially from those indicated in this contract, or (2) unknown physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this contract. The OWNER shall promptly

investigate the conditions, and if he finds that such conditions do materially so differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performance of any part of the work under this contract, whether or not changed as a result of such conditions, an equitable adjustment shall be made and the contract modified in writing accordingly.

(b) No claim of the CONTRACTOR under this clause shall be allowed unless the CONTRACTOR has given the notice required in (a) above.

(c) No claim by the CONTRACTOR for an equitable adjustment hereunder shall be allowed if asserted after final payment under this contract.

ARTICLE 5 - BONDS AND INSURANCE:

Performance and Payment Bonds:

5.1 The contractor's attention is directed to the Information for Bidders and Supplement to General Conditions.

Contractor's Liability Insurance:

5.2 The CONTRACTOR shall provide the OWNER with insurance certificates certifying that all required insurance is in force; and such insurance certificates shall include provisions that the insurance shall not be canceled, allowed to expire or be materially changed without giving the OWNER advance notice by registered mail.

5.3 The CONTRACTOR agrees that if any part of the Work under the contract is sublet, he will require the Subcontractor(s) to carry insurance as required, and that he will require the Subcontractor(s) to furnish to him insurance certificates similar to those required by the OWNER in 5.1 and 5.2 above.

5.4 The CONTRACTOR agrees to add ENGINEER to insurance policy as additional insured.

Owner's Liability Insurance

5.4 The OWNER will be responsible for purchasing and maintaining his own liability insurance and, at his option, may purchase and maintain such insurance as will protect him against claims which may arise from operations under the Contract Documents.

Fire and Extended Coverage Insurance (Builders' Risk):

5.5 The CONTRACTOR shall maintain, as applicable, in an Insurance Company or Insurance Companies acceptable to the OWNER, Fire, Extended Coverage and

Vandalism & Malicious Mischief Insurance on buildings and structures, while in the course of construction, including foundations, additions, attachments and all permanent fixtures belonging to and constituting a part of said buildings or structures. The policy or policies shall also cover machinery, if the cost of machinery is included in the Contract. The amount of insurance should at all times be at least equal to the actual cash value of the insured property. The policy shall be in the name of the OWNER and the CONTRACTOR, as their interests may appear, and shall also cover the interests of all Subcontractors performing work.

5.6 The CONTRACTOR shall provide the OWNER with satisfactory evidence certifying that the foregoing insurance is in force; and such evidence shall include provisions that the insurance shall not be canceled, allowed to expire or be materially changed without giving the OWNER advance notice by registered mail.

Cancellation and Re-Insurance:

5.7 If any insurance should be canceled or changed by the insurance company or should any insurance expire during the period of this Contract, the CONTRACTOR shall be responsible for securing other acceptable insurance to provide the coverage specified in this section to maintain continuous coverage during the life of this Contract.

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES:

Supervision and Superintendence:

6.1 The CONTRACTOR will supervise and direct the Work. He will be solely responsible for the means, methods, techniques, safety, sequences and procedures of construction. The CONTRACTOR will employ and maintain on the Work a qualified supervisor or superintendent who shall have been designated in writing by the CONTRACTOR as the CONTRACTOR'S representative at the site. The supervisor shall have full authority to act on behalf of the CONTRACTOR and all communications given to the supervisor shall be as binding as if given to the CONTRACTOR. The supervisor shall be present on the site at all times as required to perform adequate supervision and coordination of the Work. (Copies of written communications given to the Superintendent shall be mailed to the Contractor's home or office.)

Labor, Materials and Equipment:

6.2 The CONTRACTOR will provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. He will at all times maintain good discipline and order at the site.

6.3 The CONTRACTOR will furnish all materials, equipment, labor, transportation,

construction equipment and machinery, tools, appliances, fuel, power, light, heat, local telephone, water and sanitary facilities and all other facilities and incidentals necessary for the execution, testing, initial operation and completion of the Work.

6.4 All materials and equipment will be new, except as otherwise provided in the Contract Documents. When special makes or grades of material which are normally packaged by the supplier or manufacturer are specified or approved, such materials shall be delivered to the site in their original packages or container with seals unbroken and labels intact.

6.5 All materials and equipment shall be applied, handled, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable manufacturer, fabricator or processors and industry standards, except as otherwise provided in the Contract Documents.

Materials, Equipment, Products and Substitutions:

6.6 Materials, equipment and products incorporated in the Work must be approved for use before being purchased by the CONTRACTOR. The CONTRACTOR shall submit to the ENGINEER a list of proposed materials, equipment or products, together with such samples as may be necessary for him to determine their acceptability and obtain his approval, within ninety (90) calendar days after award of Contract. No request for payment for "or equal" equipment will be approved until this list has been received and approved by the ENGINEER.

6.6.1 Whenever a material, article or piece of equipment is identified on the drawings or Specifications by reference to brand names or catalogue number, it shall be understood that this is referenced for the purpose of defining the performance or other salient requirements and that other products of equal capacities, quality and function shall be considered. The CONTRACTOR may recommend the substitution of a material, article, or piece of equipment of equal substance and function for those referred to in the Contract Documents by reference to brand names or catalog number, and if, in the opinion of the ENGINEER, such material, article, or piece of equipment is of equal substance and function to that specified, the ENGINEER may approve its substitution and use by the CONTRACTOR. Incidental charges or extra component parts required to accommodate the substitute will be made by the CONTRACTOR without a change in the Contract Price, or Contract Time.

6.6.2 No substitute shall be ordered or installed without the written approval of the ENGINEER who shall be the judge of equality.

6.6.3 Delay caused by obtaining approvals for substitute materials will not be considered justifiable grounds for an extension of construction time.

6.6.4 Should any work or materials, equipment or products not conform to requirements of the Drawings and Specifications or become damaged during the process of the Work, such Work or materials shall be removed and replaced, together with any work disarranged by such alterations, at any time before completion and acceptance of the Project. All such work shall be done at the expense of the CONTRACTOR. (See paragraph 7.10)

6.6.5 No materials or supplies for the Work shall be purchased by the CONTRACTOR or by any Subcontractor subject to any chattel mortgage or under a conditional sale or other agreement by which an interest is retained by the Seller. The CONTRACTOR warrants that he has good title to all materials and supplies used by him in the Work.

Concerning Subcontractors:

6.7 The CONTRACTOR will not employ any Subcontractor, other person or organization of the types referred to in paragraph 2.10 (whether initially or as a substitute) against whom the OWNER or the ENGINEER may have reasonable objection, nor will the CONTRACTOR be required to employ any Subcontractor against whom he has reasonable objection. The CONTRACTOR will not make any substitution for any Subcontractor who has been accepted by the OWNER and the ENGINEER, unless the ENGINEER determines that there is good cause for doing so.

6.8 The CONTRACTOR shall be fully responsible for all acts and omissions of his Subcontractors and of persons and organizations directly or indirectly employed by them and of persons and organizations for whose acts any of them may be liable to the same extent that he is responsible for the acts and omissions of persons directly employed by him. Nothing in the Contract Documents shall create any contractual relationship between OWNER or ENGINEER and any Subcontractor or other person or organization having a direct contract with CONTRACTOR, nor shall it create any obligation on the part of OWNER or ENGINEER to pay or to see to the payment of any moneys due any Subcontractor or other person or organization, except as may otherwise be required by law. OWNER or ENGINEER may furnish to any Subcontractor or other person or organization, to the extent practicable, evidence of amounts paid to CONTRACTOR on account of specific Work done in accordance with the schedule of values.

6.9 The divisions and sections of the Specifications and the identifications of any drawings shall not control the CONTRACTOR in dividing the work among Subcontractors or delineating the Work to be performed by any specific trade.

6.10 The CONTRACTOR agrees to bind specifically every Subcontractor to the applicable terms and conditions of the Contract Documents for the benefit of the OWNER.

6.11 All Work performed for the CONTRACTOR by a Subcontractor shall be pursuant to an appropriate agreement between the CONTRACTOR and the Subcontractor.

6.12 The CONTRACTOR shall be responsible for the coordination of the trades, Subcontractors and material men engaged upon his Work.

6.12.1 The CONTRACTOR shall cause appropriate provisions to be inserted in all subcontracts relative to the Work to bind Subcontractors to the CONTRACTOR by the terms of these General Conditions and other Contract Documents insofar as applicable to the Work of Subcontractors, and to give the CONTRACTOR the same power as regards terminating any subcontract that the OWNER may exercise over the CONTRACTOR under any provisions of the Contract Documents.

6.12.2 The OWNER or ENGINEER will not undertake to settle any differences between the CONTRACTOR and his Subcontractors or between Subcontractors.

6.12.3 If in the opinion of the ENGINEER, any Subcontractor on the project proves to be incompetent or otherwise unsatisfactory, he shall be replaced if and when directed in writing.

Patent Fees and Royalties:

6.13 The CONTRACTOR will pay all license fees and royalties and assume all costs incident to the use of any invention, design, process or device which is the subject of patent rights or copyrights held by others. He will indemnify and hold harmless the OWNER and ENGINEER and anyone directly or indirectly employed by either of them from and against all claims, damages, losses, and expenses (including attorneys' fees) arising out of any infringement of such rights during or after completion of the Work, and shall defend all such claims in connection with any alleged infringement of such rights.

6.14 The CONTRACTOR shall be responsible for determining the application of patent rights and royalties on materials, appliances, articles or systems prior to bidding. However, he shall not be responsible for such determination on systems which do not involve purchase by him of materials, appliances, and articles.

Permits:

6.15 The CONTRACTOR will secure and pay for all construction permits and licenses and will pay all governmental charges and inspection fees necessary for the prosecution of the Work, which are applicable at the time of his Bid. When such charges are normally made by the OWNER, there will be no charges to the CONTRACTOR. The OWNER shall assist the CONTRACTOR, when necessary, in obtaining such permits and licenses. The CONTRACTOR will also pay all public

utility charges.

Laws and Regulations:

6.16 The CONTRACTOR will give all notices and comply with all laws, ordinances, rules and regulations applicable to the Work. If the CONTRACTOR observes that the Specifications or Drawings are at variance therewith, he will give the ENGINEER prompt written notice thereof, and any necessary changes shall be adjusted by an appropriate Modification. If the CONTRACTOR performs any Work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the ENGINEER, he will bear all costs arising wherefrom; however, it shall not be his primary responsibility to make certain that the Drawings and Specifications are in accordance with such laws, ordinances, rules and regulations.

Taxes:

6.17 Cost of all sales and other taxes for which the CONTRACTOR is liable under the Contract shall be included in the Contract Price stated by the CONTRACTOR.

Record Drawings:

6.18 The CONTRACTOR will keep one record copy of all Specifications, Drawings, Addenda, Modifications, and Shop Drawings at the site in good order and annotated to show all changes made during the construction process. These shall be available to the Engineer and shall be delivered to him for the OWNER upon completion of the Project. It shall be used for this purpose only.

Safety and Protection:

6.19 The CONTRACTOR will be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. He will take all necessary precautions for the safety of, and will provide the necessary protection to prevent damage, injury or loss to:

6.19.1 All employees on the work and other persons who may be affected thereby.

6.19.2 All the Work and all materials or equipment to be incorporated therein, whether in storage on or off the site.

6.19.3 Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction.

6.20 The CONTRACTOR will designate a responsible member of his organization at

the site whose duty shall be the prevention of accidents. This person shall be the CONTRACTOR'S superintendent unless otherwise designated in writing by the CONTRACTOR to the OWNER.

Emergencies:

6.21 In emergencies affecting the safety of persons or the Work or property at the site or adjacent thereto, the CONTRACTOR, without special instruction or authorization from the ENGINEER or OWNER, is obligated to act, at his discretion, to prevent threatened damage, injury or loss. He will give the ENGINEER prompt written notice of any significant changes in the Work or deviations from the Contract Documents caused thereby, and a Change Order shall be issued covering the changes and deviations involved. If the CONTRACTOR believes that additional work done by him in an emergency which arose from causes beyond his control entitles him to an increase in the Contract Price or an extension of the Contract Time, he may make a claim therefore as provided in Articles 11 & 12.

Shop Drawing and Samples:

6.22 After checking and verifying all field measurements, the CONTRACTOR will submit to the ENGINEER for review, in accordance with the accepted schedule of Shop Drawing submissions (see paragraph 2.9) three (3) copies (or at the ENGINEER'S option, one reproducible copy) of all Shop Drawings, which shall have been checked by and stamped with the approval of the CONTRACTOR. The data shown on the Shop Drawings will be complete with respect to dimensions, design criteria, materials of construction and the like to enable the ENGINEER to review the information as required.

6.23 The CONTRACTOR will also submit to the ENGINEER for review, with such promptness as to cause no delay in Work, all samples required by the Contract Documents. All samples will have been checked by and stamped with the approval of the CONTRACTOR, identified clearly as to material, manufacturer, any pertinent catalog numbers and the use for which intended.

6.24 At the time of each submission, the CONTRACTOR will in writing call the ENGINEER'S attention to any deviations that the Shop Drawings or sample may have from the requirements of the Contract Documents.

6.25 The ENGINEER will review with reasonable promptness Shop Drawings and samples, but his review shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents. The review of a separate item as such will not indicate review of the assembly in which the item functions. The CONTRACTOR will make any corrections required by the ENGINEER and will return the required number of corrected copies of Shop Drawings and resubmit new samples until the review is

satisfactory to the ENGINEER. The CONTRACTOR shall direct specific attention in writing or on resubmitted Shop Drawings to revisions other than the corrections called for by the ENGINEER on previous submissions. The CONTRACTOR'S stamp of approval on any Shop Drawings or sample shall constitute a representative to the OWNER and the ENGINEER that the CONTRACTOR has either determined and verified all quantities, dimensions, field construction criteria, materials, catalogue numbers and similar data or he assumes full responsibility for doing so, and that he has reviewed or coordinated each Shop Drawings or sample with the requirements of the Work and the Contract Documents.

6.26 No Work requiring a Shop Drawing or sample submission shall be commenced until the submission has been reviewed by the ENGINEER. A copy of each Shop Drawing and each approved sample shall be kept in good order by the CONTRACTOR at the site and shall be available to the ENGINEER.

6.27 The ENGINEER'S review of Shop Drawings or samples shall not relieve the CONTRACTOR from his responsibility for any deviations from the requirements of the Contract Documents unless the CONTRACTOR has in writing called the ENGINEER'S attention to such deviation at the time of submission and the ENGINEER has given written approval to the specific deviation, nor shall any review by the ENGINEER relieve the CONTRACTOR from responsibility for errors or omission in the Shop Drawings.

Cleaning Up:

6.28 The CONTRACTOR shall clean up behind the Work as much as is reasonably possible as the Work progresses. Upon completion of the Work, and before acceptance of and final payment for the Project by the OWNER, the CONTRACTOR shall remove all his surplus and discarded materials excavated material and rubbish from the roadways, sidewalks, parking areas, lawns and all adjacent property; shall clean his portion of Work involved in any building under this Contract, so that no further cleaning by the OWNER is necessary prior to his occupancy; shall restore all property, both public and private, which has been disturbed or damaged during the prosecution of the Work; and shall leave the whole in a neat and presentable condition.

6.29 Clean-up operations shall consistently be carried on by the CONTRACTOR at all times to keep the premises free from accumulation of waste materials and rubbish. Upon completion of the Work he shall remove all rubbish, tools, scaffolding, surplus materials, etc., and shall leave his work "broom clean", or its equivalent, unless more exactly specified elsewhere in the Contract. The CONTRACTOR shall do the cleaning for all trades upon completion of the Work.

6.30 General. In case of dispute, the OWNER may remove the rubbish and charge the cost to the CONTRACTOR as the ENGINEER shall determine to be just.

Public Convenience and Safety:

6.31 The CONTRACTOR shall, at all times, conduct the Work in such a manner as to insure the least practicable obstruction to public travel. The convenience of the general public and of the residents along and adjacent to the area of the Work shall be provided for in a satisfactory manner, consistent with the operation and local conditions. "Street Closed" signs shall be placed immediately adjacent to the Work, in a conspicuous position at such locations as traffic demands in accordance with the MUTCD. At any time that streets are required to be closed, the CONTRACTOR shall notify law enforcement agencies, fire departments, and parties operating emergency vehicles before the street is closed and again as soon as it is opened. Access to fire hydrants and other fire extinguishing equipment shall be provided and maintained at all times. The CONTRACTOR shall keep the portion of the project being used by the public in satisfactory condition. It may become necessary for the CONTRACTOR to sweep the roadway surface to completely remove debris.

Sanitary Provisions:

6.32 The CONTRACTOR shall furnish necessary toilet conveniences, secluded from public observation, for use of all personnel on the Work, whether or not in his employ. They shall be kept in a clean and sanitary condition and shall comply with the requirements and regulations of the Public Authorities having jurisdiction. He shall commit no public nuisance. Temporary sanitary facilities shall be removed upon completion of the Work and the premises shall be left clean.

Indemnification:

6.33 The CONTRACTOR will indemnify and hold harmless the OWNER and the ENGINEER and their agents and employees from and against all claims, damages, losses, and expenses including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss, or expense (a) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than Work itself) including the loss of use resulting wherefrom and (b) is caused in whole or in part by any negligent act or omission of the CONTRACTOR, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder.

6.34 In any and all claims against the OWNER or the ENGINEER or any of their agents or employees, by any employee of the CONTRACTOR, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under paragraph 6.33 shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the CONTRACTOR or any

Subcontractor under workmen's compensation acts, disability benefit acts or other employee benefit acts.

6.35 The obligations of the CONTRACTOR under paragraph 6.33 shall not extend to the liability of the Engineer's negligent acts, errors or omissions or those of his employees or agents.

Responsibility for Connecting to Existing Work:

6.36 It shall be the express responsibility of the CONTRACTOR to connect his Work to each part of the existing work or work previously installed as required by the Drawings and Specifications to provide a complete installation.

Work in Street, Highway and Other Rights-of-Way:

6.37 Excavation, grading, fill, storm drainage, paving and any other construction or installations in rights-of-way of streets, highways, public carrier lines, utility lines (either aerial, surface or subsurface), etc., shall be done in accordance with requirements of the Contract Documents. The CONTRACTOR will be responsible for obtaining all permits necessary for the work. Upon completion of the Work, CONTRACTOR shall present to ENGINEER certificates, in triplicate, from the proper authorities stating that the Work has been done in accordance with their requirements.

6.37.1 The OWNER will cooperate with the CONTRACTOR in obtaining action from any utilities or public authorities involved in the above requirements.

6.37.2 The ENGINEER shall be responsible for obtaining elevations of curbs and gutters, pavement, storm drainage structures, and other such items which must be established by governmental departments as soon as grading operations are begun on the site and, in any case, sufficiently early in the construction period to prevent any adverse effect on the Project.

Cooperation with Governmental Departments, Public Utilities, Etc.:

6.38 The OWNER shall be responsible for making all necessary arrangements with governmental departments, public utilities, public carriers, service companies and corporations owning or controlling roadways, railways, water, sewer, gas, electrical, telephone, and telegraph facilities such as pavements, tracks, piping, wires, cables, conduits, poles, guys, etc., including incidental structure connected therewith, that are encountered in the work in order that such items may be properly shored, supported and protected, or the CONTRACTOR may relocate them if he so desires. The CONTRACTOR shall give all proper notices, shall comply with requirements of such parties in the performance of his Work, shall permit entrance of such parties on the Project in order that they may perform their necessary work, and shall pay

all charges and fees made by such parties for this work.

6.38.1 The CONTRACTOR'S attention is called to the fact that there may be delays on the Project due to work to be done by governmental departments, public utilities, and others in repairing or moving poles, conduits, etc. The CONTRACTOR shall cooperate with the above parties, in every way possible, so that the construction can be completed in the least possible time.

6.38.2 The CONTRACTOR shall have made himself familiar with all codes, laws, ordinances and regulations which in any manner affect those engaged or employed in the Work, or materials and equipment used in or upon the Work, or in any way affect the conduct of the Work, and no plea of misunderstanding will be considered on account of his ignorance thereof.

Use of Premises:

6.39 CONTRACTOR shall confine his apparatus, storage of materials, and operations of his workmen to limits indicated by law, ordinances, permits, and directions of ENGINEER and OWNER, and shall not unnecessarily encumber any part of site.

6.39.1 CONTRACTOR shall not overload or permit any part of any structure to be loaded with such weight as will endanger its safety, nor shall he subject any part of the Work to stresses or pressures that will endanger it.

6.39.2 CONTRACTOR shall enforce OWNER'S instructions in connection with signs, advertisements, fires and smoking.

6.39.3 CONTRACTOR shall arrange and cooperate with OWNER in routing and parking of automobiles of his employees, subcontractors and other personnel and in routing material delivery trucks and other vehicles to the Project Site.

Protection of Existing Property Improvements:

6.40 Any existing surface or subsurface improvements, such as pavements, curbs, sidewalks, pipes or utilities, footings or structures (including portions thereof), trees, and shrubbery not indicated on the Drawings or noted in the Specifications as being removed or altered shall be protected from damage during construction of the Project. Any such improvements damaged during construction of the Project shall be restored to a condition equal to that existing at time of award of Contract.

Temporary Heat:

6.41 The General CONTRACTOR shall provide heat, fuel and services as necessary

to protect all work and materials, within all habitable areas of permanent building construction, for all contracts against injury from dampness and cold until final acceptance of all work and materials for the Project, unless building is fully occupied by the OWNER prior to such acceptance, in which case the OWNER shall assume all expenses of heating from date of full occupancy. In areas outside those covered above, each prime contractor shall be responsible for providing such temporary heat, fuel and services as required to protect his work or shall make all necessary arrangements with the General CONTRACTOR for providing such temporary heat, fuel and services. Unless otherwise specifically permitted by Special Conditions, the permanent heating system shall not be used to provide temporary heat. CONTRACTOR'S proposed methods of heating shall be submitted for approval.

ARTICLE 7 - WORK BY OTHERS:

7.1 The OWNER may perform additional work related to the Project by himself, or he may let other direct contracts therefore which shall contain General Conditions similar to these. The CONTRACTOR will afford the other contractors who are parties to such direct contracts (or the OWNER, if he is performing the additional work himself), reasonable opportunity for the introduction and storage of materials and equipment and the execution of work, and shall properly connect and coordinate his Work with theirs.

7.2 If any part of the CONTRACTOR'S work depends for proper execution or results upon the work of any such other CONTRACTOR (or the OWNER), the CONTRACTOR will promptly report to the ENGINEER in writing any defects or deficiencies in such work that render it unsuitable for such proper execution and results.

7.3 The CONTRACTOR will do all cutting, fitting, and patching of his Work that may be required to make its several parts come together properly and fit it to receive or be received by such other work. The CONTRACTOR will not endanger any work of others by cutting, excavating or otherwise altering their work and will only cut or alter their work with the written consent of the ENGINEER and of the other contractors whose work will be affected.

7.4 If the performance of additional work by other contractors or the OWNER is not noted in the Contract Documents prior to the execution of the Contract, written notice thereof shall be given to the CONTRACTOR prior to starting any such additional work. If the CONTRACTOR believes that the performance of such additional work by the OWNER or others involves him in additional expense or entitles him to an extension of the Contract Time, he may make a claim therefore as provide in Articles 11 and 12.

7.5 Where practicable, the CONTRACTOR shall build around the work of other

separate contractors or shall leave chases, slots and holes as required to receive and to conceal within the general construction work the work of such other separate contractors as directed by them. Where such chases, slots, etc., are impracticable, the work shall require specific approval of the ENGINEER.

7.6 Necessary chases, slots and holes not built or left by the CONTRACTOR shall be cut by the separate contractor requiring such alterations after approval of the CONTRACTOR. The CONTRACTOR shall do all patching and finishing of his Work where cut by other contractors at the expense of such other contractors.

7.7 Cooperation is required in the use of site facilities and in the detailed execution of the Work. Each contractor shall coordinate his operations with those of the other contractors for the best interest of the Work in order to prevent delay in the execution thereof.

7.8 Each contractor shall keep himself informed of the progress of the work of other contractors. Should lack of progress or defective workmanship on the part of other contractors interfere with his operations, the CONTRACTOR shall notify the ENGINEER immediately. Lack of such notice to the ENGINEER will be construed as acceptance by the CONTRACTOR of the status of the work of other contractors as being satisfactory for proper coordination of his own work.

7.9 Each contractor shall give notices of the progress of his work so as to allow other contractors adequate opportunity to properly direct and coordinate their work. The CONTRACTOR shall give notices of the progress of his Work so that work of other contractors, when required to be concealed, may be placed before the general construction Work. All such notices shall be submitted to the ENGINEER with copies to other prime contractors on the Project sufficiently ahead of job progress to permit adequate time for the other prime contractors to coordinate their work.

7.10 The cost of extra work resulting from lack of notices, untimely notices, failure to respond to notices, defective work or lack of coordination shall be borne by the CONTRACTOR responsible for such lack of notices, etc.

ARTICLE 8 - OWNER'S RESPONSIBILITIES:

8.1 The OWNER will issue all communications to the CONTRACTOR through the ENGINEER.

8.2 In case of termination of the employment of the ENGINEER, the OWNER will appoint an engineer against whom the CONTRACTOR makes no reasonable objection, whose status under the Contract Documents shall be that of the former ENGINEER. Any dispute in connection with such appointment shall be subject to arbitration, if mutually agreeable.

8.3 The OWNER will furnish the data required of him under the Contract Documents promptly and shall make payments to the CONTRACTOR promptly after they are due as provided in Article 14.

8.4 OWNER'S duties in respect of providing lands and easements and providing engineering surveys to establish reference points are set forth in paragraphs 4.1, 4.4 and the Special Conditions. Paragraphs 4.2 and 4.3 refer to OWNER'S identifying and making available to CONTRACTOR copies of surveys and investigation reports of subsurface and latent physical conditions at the site or otherwise affecting performance of the Work which have been relied upon by ENGINEER in preparing the Drawings and Specifications.

8.5 The OWNER'S responsibilities in respect of liability and property insurance are set forth in paragraph 5.4.

8.6 In addition to his rights to request changes in the Work in accordance with Article 10, the OWNER (especially in certain instances as provided in paragraph 10.4) will be obligated to execute Change Orders.

8.7 In connection with the OWNER'S right to stop Work or suspend Work; see paragraph 15.1. Paragraph 15.3 deals with the OWNER'S right to terminate services of the CONTRACTOR under certain circumstances.

8.8 The OWNER shall have the right to take possession of and use any completed or partially completed portions of the Work, notwithstanding the fact that the time for completing the entire Work or any portion thereof may not have expired; but such taking possession and use shall not be deemed an acceptance of any Work not completed in accordance with the Contract Documents. If such prior use increases the cost of or delays the Work, the CONTRACTOR shall be entitled to such extra compensation or extension of time or both, except by prior agreement, as the ENGINEER may determine. See paragraph 14.11.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION:

Owner's Representative:

9.1 The ENGINEER shall be the OWNER'S representative during the construction period. The duties and responsibilities and the limitations of authority of the ENGINEER as the OWNER'S representative during construction are set forth in Articles 1 through 17 of these General Conditions and shall not be extended without written consent of the OWNER and the ENGINEER.

9.1.1 The ENGINEER'S decision, in matters relating to aesthetics shall be final, if within the terms of the Contract Documents.

9.1.2 Except as may be otherwise provided in this contract all claims, counter-claims, disputes and other matters in question between the OWNER and the CONTRACTOR arising out of or relating to this agreement or the breach thereof will be decided by arbitration if the parties hereto mutually agree, or in a court of competent jurisdiction within the State in which the OWNER is located.

Visits to Site:

9.2 The ENGINEER will make periodic visits to the site to observe the progress and quality of the executed Work and to determine, in general, if the Work is proceeding in accordance with the Contract Documents. He will not be required to make continuous on-site observations to check the quality or quantity of the Work. His efforts will be directed toward ascertaining on behalf of the OWNER that the completed Project will conform to the requirements of the Contract Documents. On the basis of his on-site observations as an experienced and qualified design professional, he will keep the OWNER informed of the progress of the Work and will endeavor to guard the OWNER against defects and deficiencies in the Work of contractors.

Clarifications and Interpretations:

9.3 The ENGINEER will issue with reasonable promptness such written clarification or interpretations of the Contract Documents (in the form of Drawings or otherwise) as he may determine necessary, which shall be consistent with or reasonably inferable from the overall intent of the Contract Documents. If the Contractor believes that a written clarification and interpretation entitles him to an increase in the Contract Price or extension of Contract Time, he may make a claim therefore as provided in Articles 11 and 12.

Measurement of Quantities:

9.4 All Work completed under the Contract will be measured by the CONTRACTOR according to the United States Standard Measures. All linear surface measurements will be made horizontally or vertically as required by the item measured.

Rejecting Defective Work:

9.5 The ENGINEER will have authority to disapprove or reject Work which is "defective" (which term is hereinafter used to describe Work that is unsatisfactory, faulty or defective, or does not meet the requirements of any inspection, test or approval or has been damaged prior to final acceptance). He will also have authority to require special inspection or testing of the Work whether or not the Work is fabricated, installed or completed.

Shop Drawings, Change Orders and Payments:

9.6 In connection with the ENGINEER'S responsibility as to Shop Drawings and samples, see paragraphs 6.22 through 6.27, inclusive.

9.7 In connection with the ENGINEER'S responsibility for Change Orders; see Articles 10, 11, and 12.

9.8 In connection with the ENGINEER'S responsibilities in respect of Application for Payment, etc., see Article 14.

Resident Project Representative:

9.9 The OWNER or the ENGINEER will provide on-site representation sufficient to guarantee that construction is in general compliance with the construction drawings and the contract specifications.

Decisions on Disagreements:

9.10 The ENGINEER will be the initial interpreter of the terms and conditions of the Contract Documents and the judge of the performance hereunder. In his capacity as interpreter and judge, he will exercise his best efforts to insure faithful performance by both the OWNER and the CONTRACTOR. He will not show partiality to either and shall not be liable for the result of any interpretation or decision rendered in good faith. Claims, disputes and other matters relating to the execution and progress of the Work or the interpretation of or performance under the Contract Documents shall be referred initially to the ENGINEER for decision; which he shall render in writing within a reasonable time.

9.11 Either the OWNER or the CONTRACTOR, if the other agrees, may request legal action with respect to any such claim, dispute or other matter that has been referred to the ENGINEER, except any which have been waived by the making or acceptance of final payment as provided in paragraph 14.11, such legal action to be in accordance with Article 16. However, no request for legal action of any such claim, dispute or other matter shall be made until the earlier of (a) the date on which the ENGINEER has rendered his decision or (b) the tenth day after the parties have presented their evidence to the ENGINEER if he has not rendered his written decision before that date. No request for legal action shall be made later than thirty (30) days after the date on which the ENGINEER rendered his written decision in respect of the claim, dispute or other matter as to which legal action is sought; and the failure to request legal action within said thirty (30) days period shall result in the ENGINEER'S decision being final and binding upon the OWNER and the CONTRACTOR. If the ENGINEER renders a decision after legal proceedings have been initiated, such decision may be entered as evidence but shall not supersede

the legal proceedings, except where the decision is acceptable to the parties concerned.

Limitations on Engineer's Responsibilities:

9.12 Neither the ENGINEER'S authority to act under this Article 9 nor any decision made by him in good faith either to exercise or not exercise such authority shall give rise to any duty or responsibility of the ENGINEER to the CONTRACTOR, any Subcontractor, any of their agents or employees or any other person performing any of the Work.

9.13 The ENGINEER will not be responsible for the construction means, methods, techniques, sequences or procedures, or the safety precautions and programs incident thereto, and he will not be responsible for the CONTRACTOR's failure to perform the Work in accordance with the Contract Documents.

9.14 The ENGINEER will not be responsible for the acts or omissions of the CONTRACTOR, or any Subcontractors, or any of his or their agents or employees, or any other person performing any of the Work.

ARTICLE 10 - CHANGES IN THE WORK:

10.1 Without invalidating the Agreement, the OWNER may, at any time or from time to time, order additions, deletions or revisions in the Work; these will be authorized by Change Orders. Upon receipt of a Change Order, the CONTRACTOR will proceed with the Work involved. All such Work shall be executed under the applicable conditions of the Contract Documents. If any Change Order causes an increase or decrease in the Contract Price or an extension or shortening of the Contract Time, an equitable adjustment will be made as provided in Article 11 or Article 12. A Change Order signed by the CONTRACTOR indicates his agreement therewith.

10.2 The ENGINEER may authorize minor changes or alterations in the Work not involving extra cost and not inconsistent with the overall intent of the Contract Documents. These may be accomplished by a Field Order. If the CONTRACTOR believes that any minor change or alteration authorized by the ENGINEER entitles him to an increase in the Contract Price or extension of Contract Time, he may make a claim therefore as provided in Articles 11 and 12.

10.3 Additional Work performed by the CONTRACTOR without authorization of a Change Order will not entitle him to an increase in the Contract Price or an extension of the Contract Time, except in the case of an emergency as provided in paragraph 6.21 and except as provided in paragraph 10.2.

10.4 The OWNER will execute appropriate Change Orders prepared by the

ENGINEER covering changes in the Work to be performed as provided in paragraph 4.4, and Work performed in an emergency as provided in paragraph 6.21 and any other claim of the CONTRACTOR for a change in the Contract Time or the Contract Price which is approved by the ENGINEER.

10.5 It is the CONTRACTOR'S responsibility to notify his surety of any changes affecting the general scope of the Work or change in the Contract Price and the amount of the applicable bonds shall be adjusted accordingly. The CONTRACTOR will furnish proof of such adjustment to the OWNER.

ARTICLE 11 - CHANGE OF CONTRACT PRICE:

11.1 The Contract Price constitutes the total compensation payable to the CONTRACTOR for performing the Work. All duties, responsibilities and obligations assigned to or undertaken by the CONTRACTOR shall be at his expense without changing the Contract Price.

11.2 (a) The OWNER may, at any time, without notice to the sureties, by written order designated or indicated to be a change order, make any change in the Work within the general scope of the contract, including but not limited to changes:

- (1) In the specifications (including drawings and designs);
- (2) In the method or manner of performance of the work;
- (3) In the Owner-furnished facilities, equipment, materials, services, or site; or
- (4) Directing acceleration in the performance of the work.

(b) Any other written order or an oral order (which terms as used in this paragraph (b) shall include direction, instruction, interpretation or determination) from the OWNER, which causes any such change, shall be treated as a change order under this clause, provided that the CONTRACTOR gives the OWNER written notice stating the date, circumstances, and source of the order and that the CONTRACTOR regards the order as a change order.

(c) Except as herein provided, no order, statement, or conduct of the OWNER shall be treated as a change under this clause or entitle the Contractor to an equitable adjustment hereunder.

(d) If any change under this clause causes an increase or decrease in the CONTRACTOR'S cost of, or the time required for, the performance of any part of the work under this contract, whether or not changed by any order, an equitable adjustment shall be made and the contract modified in writing accordingly: PROVIDED, HOWEVER, that except for claims based on defective specifications, no claim for any change under (b) above shall be allowed for any costs incurred more than 20 days before the CONTRACTOR gives written notice as therein required. And provided further, that in the case of defective specifications for which the

OWNER is responsible, the equitable adjustment shall include any increased cost reasonably incurred by the CONTRACTOR in attempting to comply with such defective specifications.

(e) If the CONTRACTOR intends to assert a claim for an equitable adjustment under this clause, he must, within 30 days after receipt of a written change order under (a) above or the furnishing of a written notice under (b) above, submit to the OWNER a written statement setting forth the general nature and monetary extent of such claim, unless this period is extended by the OWNER. The statement of claim hereunder may be included in the notice under (b) above.

(f) No claim by the CONTRACTOR for an equitable adjustment hereunder shall be allowed if asserted after final payment under this contract.

11.3 The value of any Work covered by a Change Order or of any claim for an increase or decrease in the Contract Price shall be determined in one of the following ways:

11.3.1 Where the Work involved is covered by unit prices contained in the Contract Documents by application of unit prices to the quantities of the items involved.

11.3.2 By negotiated lump sum.

11.3.3 The actual cost for labor, direct overhead, materials, supplies, equipment, and other services necessary to complete the work plus a fixed amount to be agreed upon to cover the cost of general overhead and profit to be negotiated.

11.4 The term Cost of the Work means the sum of all costs necessarily incurred and paid by the CONTRACTOR in the proper performance of the Work. Except as otherwise maybe agreed to in writing by OWNER, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall include only the following items and shall not include any of the costs itemized in paragraph 11.5:

11.4.1 Payroll costs for employees in the direct employ of CONTRACTOR in the performance of the Work under schedules of job classifications agreed upon by OWNER and CONTRACTOR. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to salaries and wages plus the costs of fringe benefits which shall include social security contributions, unemployment, excise and payroll taxes, workmen's compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. Such employees shall include superintendents and foremen at the site. The expenses of performing work after regular working hours, on Sunday or legal holidays shall be included in the above to the extent authorized by OWNER.

11.4.2 Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and manufacturer's field services required in connection therewith. All cash discounts shall accrue to CONTRACTOR unless OWNER deposits funds with CONTRACTOR with which to make payments, in which case the cash discounts shall accrue to OWNER. All trade discounts, rebates and refunds, and all returns from sale of surplus materials and equipment shall accrue to OWNER, and CONTRACTOR shall make provisions so that they may be obtained.

11.4.3 Payments made by CONTRACTOR to the Subcontractors for Work performed by Subcontractors. If required by OWNER, CONTRACTOR shall obtain competitive bids from Subcontractors acceptable to him and shall deliver such Bids to OWNER who will then determine with the advice of ENGINEER, which Bids will be accepted. If a subcontract provides that the Subcontractor is to be paid on the basis of Cost of Work plus a Fee, the cost of the Work shall be determined in accordance with paragraphs 11.4 and 11.5.

11.4.4 Costs of special consultants (including but not limited to, engineers, architects, testing laboratories, surveyors, lawyers and accountants) employed for services specifically related to the Work.

11.4.5 Supplemental costs including the following:

11.4.5.1 The proportion of necessary transportation, travelling and subsistence expenses of CONTRACTOR'S employees incurred in discharge of duties connected with the Work.

11.4.5.2 Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office and temporary facilities at the site and hand tools not owned by the workmen, which are consumed in the performance of the Work, and cost less market value of such items used but not consumed which remain the property of CONTRACTOR.

11.4.5.3 Rentals of all construction equipment and machinery and the parts thereof whether rented from CONTRACTOR or other in accordance with rental agreements approved by OWNER with the advice of ENGINEER, and the cost of transportation, loading, unloading, installation, dismantling and removal thereof--all in accordance with terms of said rental agreements. The rental of any such equipment, machinery or parts shall end when the use thereof is no longer necessary for the Work.

11.4.5.4 Sales, use or similar taxes related to the Work, and for which CONTRACTOR is liable imposed by any governmental authority.

11.4.5.5 Deposits lost for causes other than CONTRACTOR'S negligence, royalty payments and fees for permits and licenses. Costs for permits and licenses must be

shown as a separate item.

11.4.5.6 Losses, damages and expenses, not compensated by insurance or otherwise, sustained by CONTRACTOR in connection with the execution of, and to, the Work, provided they have resulted from causes other than the negligence of CONTRACTOR, any Subcontractors, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and approval of OWNER. No such losses, damages and expenses shall be included in the Cost of Work for the purpose of determining CONTRACTOR'S fee. If, however, any such loss or damage requires reconstruction and CONTRACTOR is placed in charge thereof, he shall be paid for his services a fee proportionate to that stated in paragraph 11.6.2.

11.4.5.7 The cost of utilities, fuel and sanitary facilities at the site.

11.4.5.8 Minor expenses such as telegrams, long distance telephone calls, telephone service at the site, expressage and similar petty cash items in connection with the Work.

11.4.5.9 Cost of premiums for additional Bonds and Insurance required because of changes in the Work.

11.5 The term cost of the Work shall not include any of the following:

11.5.1 Payroll costs and other compensation of CONTRACTOR'S officers, executives, principals, (of partnership and sole proprietorships), general managers, engineers, architects, estimators, lawyers, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks and other personnel employed by CONTRACTOR whether at the site or in his principal or a branch office for general administration of the Work and not specifically included in the schedule referred to in subparagraph 11.4.1 -- all of which are to be considered administrative costs covered by the CONTRACTOR'S Fee.

11.5.2 Expenses of CONTRACTOR'S principal and branch offices other than his office at the site.

11.5.3 Any part of CONTRACTOR'S capital expenses, including interest on CONTRACTOR'S capital employed for the Work and charges against CONTRACTOR'S for delinquent payments.

11.5.4 Cost of premiums for all bonds and for all insurance policies whether or not CONTRACTOR is required by the Contract Documents to purchase and maintain the same (except as otherwise provide in subparagraph 11.4.5.9.)

11.5.5 Costs due to the negligence of CONTRACTOR, any Subcontractors, or anyone

directly or indirectly employed by any of them or for whose acts any of them may be liable including but not limited to, the correction of defective work, disposal of materials or equipment wrongly supplied and making good any damage to property.

11.5.6 Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in paragraph 11.4.

11.6 The CONTRACTOR'S Fee which shall be allowed to CONTRACTOR for his overhead and profit shall be determined as follows;

11.6.1 A mutually acceptable firm fixed price; or if none can be agreed upon,

11.6.2 A mutually acceptable fixed fee based on the estimate of the various portions of the Cost of the Work.

11.7 The amount of credit to be allowed by CONTRACTOR to OWNER for any such change which results in a net decrease in cost will be the amount of the actual net decrease. When both additions and credits are involved in any one change, the net shall be computed to include overhead and profit, identified separately, for both additions and credits.

11.8 Whenever the cost of any Work is to be determined pursuant to paragraphs 11.4 and 11.5, CONTRACTOR will submit in form prescribed by ENGINEER an itemized cost breakdown together with supporting data.

11.9 Allowances: It is understood that the CONTRACTOR has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be done by such material men, suppliers, or Subcontractors and for such sums within the limit of the allowances as the ENGINEER may approve. Upon final payment, the Contract Price shall be adjusted as required and an appropriate Change Order issued. The CONTRACTOR agrees that the original Contract Price includes such sums as he deems proper for costs and profit on account of cash allowances. No demand for additional cost or profit in connection therewith will be allowed.

11.9.1 These allowances shall cover the cost to the CONTRACTOR less any applicable trade discount, of the materials and equipment required by the allowance delivered at the site, and all applicable taxes.

11.9.2 The CONTRACTOR'S costs for unloading and handling on site, labor, installation costs, overhead, profit and other expenses contemplated for the original allowance shall be included in the Contract Price and not in the allowance.

11.9.3 Whenever the cost, as described in 11.9.1 above, is more than or less than the allowance, the Contract Price shall be adjusted accordingly by Change Order. The amount of the Change Order will recognize changes, if any, in handling costs on the site, labor, installation costs, overhead, profit and other expenses, except that whenever unit price allowances are stipulated for brick, the Change Order will not include any cost as described in 11.5 above.

ARTICLE 12 - CHANGE OF THE CONTRACT TIME:

12.1 The Contract Time may only be changed by a Change Order. Any claim for an extension in the Contract Time shall be based on written notice delivered to OWNER and ENGINEER within ten days of the occurrence of the event giving rise to the claim. Notice of the extent of the claim with supporting data shall be delivered within forty-five days of such occurrence unless ENGINEER allows an additional period of time to ascertain more accurate data. All claims for adjustment in the Contract Time shall be determined by ENGINEER if OWNER and CONTRACTOR cannot otherwise agree. Any change in the Contract Time resulting from any such claim shall be incorporated in a Change Order.

12.2 The Contract Time will be extended in an amount equal to time lost due to delays beyond the control of CONTRACTOR if he makes a claim therefore as provided in paragraph 12.1. Such delays shall include, but not be restricted to, acts or neglect by any separate contractor employed by OWNER, fires, floods, labor disputes, epidemics, or acts of God.

12.3 All time limits stated in the Contract Documents are of the essence of the Agreement. The provisions of the Article 12 shall not exclude recovery for damages (including compensation for additional professional services) for delay by either party.

12.4 No claim for delay shall be allowed because of failure to furnish Drawings until two weeks after demand for such drawings and not then unless such claim be reasonable.

12.5 This article does not exclude the recovery of damages for delay by either party under other provisions in the Contract Documents.

ARTICLE 13 - GUARANTY:

13.1 The CONTRACTOR shall guarantee all materials and equipment furnished and Work performed for a period of one (1) year from the date of SUBSTANTIAL COMPLETION. The CONTRACTOR warrants and guarantees for a period of one (1) year from the date of SUBSTANTIAL COMPLETION of the system that the completed system is free from all defects due to faulty materials or workmanship

and the CONTRACTOR shall promptly make such corrections as may be necessary by reason of such defects including the repairs of any damage to other parts of the system resulting from such defects. The OWNER will give notice of observed defects with reasonable promptness. In the event that the CONTRACTOR should fail to make such repairs or adjustments, in the Work that may be made necessary by such defects, the OWNER may do so and charge the CONTRACTOR the cost thereby incurred. The Performance Bond shall remain in full force and effect through the guarantee period.

ARTICLE 14 - PAYMENTS AND COMPLETION:

Payments to Contractors:

14.1 At least ten (10) days before each progress payment falls due (but not more often than once a month), the CONTRACTOR will submit to the ENGINEER a partial payment estimate filled out and signed by the CONTRACTOR covering the WORK performed during the period covered by the partial payment estimate and supported by such data as the ENGINEER may reasonably require. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at or near the site, the partial payment estimate shall also be accompanied by such supporting data, satisfactory to the OWNER. The ENGINEER will, within ten (10) days after receipt of each partial payment estimate, either indicate in writing his approval of payment and present the partial payment estimate to the OWNER, or revise the partial payment estimate provides the same to the CONTRACTOR indicating in writing his reasons for refusing or revising payment. In the latter case, the CONTRACTOR may make the necessary corrections and resubmit the partial payment estimate. The OWNER will, within forty-five (45) days of presentation to him of an approved partial payment estimate, pay the CONTRACTOR a progress payment on the basis of the approved partial payment estimate. The OWNER may retain a portion of the amount otherwise due the CONTRACTOR. Except as State law otherwise provides, the amount the OWNER retains shall be limited to the following:

14.1.1 Withholding of not more than 5 percent of the payment claimed until work is 50 percent complete;

14.1.2 When Work is 50 percent complete, reduction of the withholding to 2.5 percent of the dollar value of all Work satisfactorily completed to date, provided that the CONTRACTOR is making satisfactory progress and there is no specific cause for greater withholding and the same is requested by the CONTRACTOR in writing;

14.1.3 When the Work is substantially complete (operational or beneficial occupancy), the withheld amount shall be further reduced below 5 percent to only that amount necessary to assure completion.

14.1.4 The OWNER may reinstate up to 5 percent withholding if the OWNER determines, at its discretion, that the CONTRACTOR is not making satisfactory progress or there is other specific cause for such withholding.

Contractor's Warranty of Title:

14.2 The CONTRACTOR warrants and guarantees that title to all work, materials and equipment covered by an Application for Payment, whether incorporated in the Project or not, will have passed to the OWNER prior to the making of the Application for payment, free and clear of all liens, claims, security interests and encumbrances (hereafter in these General Conditions referred to as "Liens") and that no work, materials or equipment covered by an Application for Payment will have been acquired by the CONTRACTOR or by any other person performing the Work at the Site or furnishing materials and equipment for the Project, subject to an agreement under which an interest therein or encumbrance thereon is retained by the seller or otherwise imposed by the CONTRACTOR or such other person.

Approval of Payments:

14.3 The ENGINEER'S approval of any payment requested in an Application for Payment shall constitute a representation by him to the OWNER, based on the ENGINEER'S on-site observations of the Work in progress as an experienced and qualified design professional and on his review of the Application of Payment and the supporting data, that the Work has progressed to the point indicated; That, to the best of his knowledge, information and belief, the quality of the Work is in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning Project upon Substantial Completion, to the results of any subsequent tests called for in the Contract Documents and any qualifications stated in his approval), and that the CONTRACTOR is entitled to payment of the amount approved. However, by approving any such payment, the ENGINEER shall not thereby be deemed to have represented that he made exhaustive or continuous on-site observations to check the quality or the quantity of the Work, or that he has reviewed the means, methods, techniques, sequences, and procedures of construction or that he has made any examination to ascertain how or for what purpose the CONTRACTOR has used the moneys paid or to be paid to him on account of the Contract Price, or that title to any Work, materials, or equipment has passed to the OWNER free and clear of any Liens.

14.4 The CONTRACTOR shall make the following certification on each request for payment:

"I hereby certify that the labor and materials listed on this request for payment has been used in the construction of this work or that all materials included in this request for payment and not yet incorporated into the construction are now on the site or stored at an approved location; and payment received from the last request for payment has been used to make payments to all first-tier subcontractors and suppliers except as listed below."

14.5 The ENGINEER'S approval of final payment shall constitute an additional representation by him to the OWNER that the conditions precedent to the CONTRACTOR'S being entitled to final payment as set forth in paragraph 14.11 have been fulfilled.

14.6 The ENGINEER may refuse to approve the whole or any part of any payment if, in his opinion, he is unable to make such representations to the OWNER. He may also refuse to approve any such payment, because of subsequently discovered evidence or the results of subsequent inspections or tests nullify any such payment previously approved, to such extent as may be necessary in his opinion to protect the OWNER from loss because:

14.6.1 The Work is defective, reasonable doubt exists to the integrity, or completed Work has been damaged requiring correction or replacement,

14.6.2 The Work for which payment is request cannot be verified,

14.6.3 Claims or Liens have been filed or there is reasonable evidence indicating the probable filing thereof,

14.6.4 The Contract Price has been reduced because of Modifications,

14.6.5 The OWNER has been required to correct defective Work or complete the Work in accordance with paragraph 13.1,

14.6.6. Of unsatisfactory prosecution of the Work, including failure to clean up as required by paragraphs 6.29 and 6.30,

14.6.7. Of persistent failure to cooperate with other contractors on the Project and persistent failure to carry out the Work in accordance with the Contract Documents,

14.6.8. Of liquidated damages payable by the CONTRACTOR or,

14.6.9. Of any other violation of, or failure to comply with, the provisions of the Contract Documents.

14.7 Prior to Substantial Completion, the OWNER, with the approval of the ENGINEER and with the concurrence of the CONTRACTOR, may use any completed

or substantially completed portions of the Work. Such use shall not constitute and acceptance of such portions of the Work.

14.8 The OWNER shall have the right to enter the premises for the purpose of doing work not covered by the Contract Documents. This provision shall not be construed as relieving the CONTRACTOR of the sole responsibility for the care and protection of the Work, or restoration of any damaged Work, except such as may be caused by agents or employees of the OWNER.

14.9 Upon completion and acceptance of the Work, the ENGINEER shall issue a certificate attached to the final payment request that the Work has been accepted by him under the conditions of the Contract Documents. The entire balance found to be due the CONTRACTOR, including the retained percentages, but except such sums as may be lawfully retained by the OWNER, shall be paid to the CONTRACTOR within forty-five (45) days of completion and acceptance of the Work.

14.10 The CONTRACTOR will indemnify and save the OWNER or the OWNER'S agents harmless from all claims growing out of the lawful demands of Subcontractors, laborers, workmen, mechanics, material men, and furnishers of machinery and parts thereof, equipment, tools, and all supplies, incurred in the furtherance of the performance of the Work. The CONTRACTOR shall, at the OWNER'S request, furnish satisfactory evidence that all obligations of nature designated above have been paid, discharged, or waived. If the CONTRACTOR fails to do so the OWNER may, after having notified the CONTRACTOR, either pay unpaid bills or withhold from the CONTRACTOR'S unpaid compensation a sum of money deemed reasonably sufficient to pay any and all such lawful claims until satisfactory evidence is furnished that all liabilities have been fully discharged whereupon payment to the CONTRACTOR shall be resumed, in accordance with the terms of the Contract Documents, but in no event shall the provisions of this sentence be construed to impose any obligations upon the OWNER to either the CONTRACTOR, any payment so made by the OWNER shall be considered as a payment made under the Contract Documents by the OWNER to the CONTRACTOR and the OWNER shall not be liable to the CONTRACTOR for any such payments made in good faith.

Acceptance of Final Payment as Release:

14.11 When all items of work are completed to the satisfaction of the ENGINEER and the ENGINEER has been advised by the CONTRACTOR that a final inspection is desired, time will be suspended until final inspection is conducted and for an additional 14 calendar days after the CONTRACTOR has been notified in writing of the results of the inspection. If after the end of the 14-day suspension all necessary items of work have not been completed, time changes will resume. If the specified completion date had not been reached at the time the CONTRACTOR called for a

final inspection, the calendar day difference between the specified completion date and the date the CONTRACTOR called for a final inspection will be added after the 14-day period before starting liquidated damages. If a project is on liquidated damages at the time a final inspection is scheduled, liquidated damages will be suspended until the final inspection is conducted and for seven (7) calendar days after the CONTRACTOR has been notified in writing of the results of the inspection. If after the end of the 7-day suspension all necessary items of work have not been completed, liquidated damages will resume. When final inspection has been made by the ENGINEER and all items of work have been completed, the daily time charge will cease.

14.12 The acceptance by the CONTRACTOR of final payment shall be and shall operate as a release to the OWNER of all claims and liability to the CONTRACTOR other than claims in stated amounts as may be specifically excepted by the CONTRACTOR for all things done or furnished in connection with this Work and for every act and neglect of the OWNER and others relating to or arising out of this Work. Any payment however, final or otherwise, shall not release the CONTRACTOR or his sureties from any obligations under the Contract Documents or the Performance Bond and Payment Bonds.

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION:

Owner May Suspend Work:

15.1 The OWNER may, at any time and without cause, suspend the Work or any portion thereof for a period of not more than ninety days by notice in writing to the CONTRACTOR and the ENGINEER which shall fix the date on which Work shall be resumed. The CONTRACTOR will be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to any suspension if he makes a claim therefore as provided in Articles 11 and 12.

Work During Inclement Weather:

15.2 No Work shall be done under these Specifications except by permission of the OWNER when the weather is unfitting for good and careful work to be performed. Should the severity of the weather continue, the CONTRACTOR, upon the direction of the OWNER, shall suspend all work until instructed to resume operations by the OWNER and the Contract Time shall be extended to cover the duration of the order. Work damaged during periods of suspension due to inclement weather shall be repaired and/or replaced by the CONTRACTOR. Any compensation for repairs or replacements shall be subject to approval of the OWNER.

Owner May Terminate:

15.3 If the CONTRACTOR is adjudged bankrupt or insolvent, or if he makes a

general assignment for the benefit of his creditors, or if a trustee or receiver is appointed for the CONTRACTOR or for any of his property; or if he files a petition to take advantage of any debtor's act, or to reorganize under the bankruptcy or similar laws, or if he repeatedly fails to supply sufficient skilled workmen or suitable materials or equipment, or if he repeatedly fails to make prompt payments to Subcontractors or for labor, materials or equipment or he disregards laws, ordinances, rules regulations or orders of any public body having jurisdiction, or if he disregards the authority of the ENGINEER, or if he otherwise violates any provision of the Contract Documents, then the OWNER may without prejudice to any other right or remedy and after giving the CONTRACTOR and his surety seven days written notice, terminate the services of the CONTRACTOR and take possession of the Project and of all materials, equipment, tools, construction equipment and machinery thereon owned by the CONTRACTOR, and finish the Work by whatever method he may deem expedient. In such case the CONTRACTOR shall not be entitled to receive any further payment until the Work is finished. If the unpaid balance of the Contract Price exceeds the direct and indirect costs of completing the Project, including compensation for additional professional services, such excess shall be paid to the CONTRACTOR. If such costs exceed such unpaid balance, the CONTRACTOR or the Surety will pay the difference to the OWNER. Such costs incurred by the OWNER will be determined by the ENGINEER and incorporated in a Change Order.

15.4 Where the CONTRACTOR'S services have been so terminated by the OWNER, said terminations shall not affect any rights of the OWNER against the CONTRACTOR then existing or which may thereafter accrue. Any retention or payment of moneys by the OWNER due the CONTRACTOR will not release the CONTRACTOR from liability.

15.5 Upon seven days written notice to the CONTRACTOR and the ENGINEER, the OWNER may, without cause and without prejudice to any other right or remedy, elect to abandon the Project and terminate the Agreement. In such case, the CONTRACTOR shall be paid for all Work executed and any expense sustained plus a reasonable profit.

Removal of Equipment:

15.6 In the case of termination of this Contract before completion, for any cause whatever, the CONTRACTOR if notified to do so by the OWNER, shall promptly remove any part or all of his equipment and supplies from the property of the OWNER. Should the CONTRACTOR not remove such equipment and supplies, the OWNER shall have the right to remove them at the expense of the CONTRACTOR. Equipment and supplies shall not be construed to include such items for which the CONTRACTOR has been paid in whole or in part.

Contractor May Stop Work or Terminate:

15.7 If, through no act or fault of the CONTRACTOR, the Work is suspended for a period of more than ninety (90) days by the OWNER or under an order of court or other public authority, or the ENGINEER fails to act on any Application for Payment within sixty (60) days after it is submitted, or the OWNER fails to pay the CONTRACTOR any sum approved by the ENGINEER or awarded by court ruling within forty-five (45) days of its approval and presentation, then the CONTRACTOR may, upon seven (7) days written notice to the OWNER and the ENGINEER, and if the OWNER or ENGINEER fails to reasonable respond in writing, terminate the Agreement and recover from the OWNER payment for all Work executed and any expense sustained plus a reasonable profit. In addition, and in lieu of terminating the Agreement, if the ENGINEER has failed to act on an Application for Payment or the OWNER has failed to make any payment as aforesaid, the CONTRACTOR may upon seven (7) days' notice to the OWNER and the ENGINEER stop the Work until he has been paid all amounts then due.

Owner Furnished Equipment:

15.8 In case the OWNER furnishes equipment to the CONTRACTOR to install, but fails to deliver it to the CONTRACTOR as required and in case such failure causes the CONTRACTOR additional expense or need for extension of time, the CONTRACTOR may make such claims upon the OWNER and obtain adjustments as provided herein.

Liquidated Damages:

15.9 If the CONTRACTOR shall fail to complete the work within the contract time, or extension of time granted by the OWNER, then the CONTRACTOR will pay to the OWNER the amount for liquidated damages as specified in the Contract Documents for each calendar day that the CONTRACTOR shall be in default after the time stipulated in the Contract Documents.

ARTICLE 16 - DISPUTE SETTLEMENT:

16.1 All claims, disputes and other matters in question arising out of, or relating to, this Agreement or the breach thereof except for claims which have been waived by the making or acceptance of final payment as provided by paragraph 14.11, shall be decided in a court of competent jurisdiction.

ARTICLE 17 - MISCELLANEOUS:

17.1 Whenever any provision of the Contract Documents requires the giving of written notice it shall be deemed to have been validly given if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or if delivered at or sent by registered or certified mail,

postage prepaid, to the last business address known to him who gives the notice.

17.2 If the OWNER fails to make payment forty-five (45) days after payment is due, in addition to other remedies available to the CONTRACTOR, there shall be added to each such progress payment, interest at 1% per month commencing on the first day after said payment is due and continuing until the payment is received by the CONTRACTOR.

17.3 All Specifications, Drawings and copies thereof furnished by the ENGINEER shall remain his property. They shall not be used on another Project, and, with the exception of those sets which have been signed in connection with the execution of the Agreement, shall be returned to him on request upon completion of the Project.

17.4 The duties and obligations imposed by these General Conditions, and the rights and remedies available hereunder, and, in particular but without limitation, the warranties, guarantees and obligations imposed upon CONTRACTOR by paragraphs 6.36 and 14.3 and the rights and remedies available to OWNER and ENGINEER there under, shall be in addition to, and shall not be construed in any way as a limitation of, any rights and remedies available by law, by special guarantee or by other provisions of the CONTRACT DOCUMENTS.

17.5 Should the OWNER or the CONTRACTOR suffer injury or damage to its person or property because of any error, omission or act of the other or of any of his employee or agents or others for whose acts he is legally liable, claim shall be made in writing to the other party within a reasonable time of the first observance of such injury or damage.

17.6 The CONTRACT DOCUMENTS shall be governed by the law of the place of the Project.

Progress Charts and Requirements for Overtime Work

17.7 The CONTRACTOR shall within 5 days or within such time as determined by the OWNER after date of commencement of work prepare and submit to the OWNER for approval a practicable schedule, showing the order in which the CONTRACTOR proposes to carry on the work, the date on which he will start the several salient features (including procurement of materials, plans and equipment) and the contemplated dates for completing the same. The schedule shall be in the form of a progress chart of suitable scale to indicate appropriately the percentage of work scheduled for completion at any time. The CONTRACTOR shall enter on the chart the actual progress at such intervals as directed by the OWNER and shall immediately deliver to the OWNER three (3) copies thereof. If the CONTRACTOR fails to submit a progress schedule within the time herein prescribed, the owner may withhold approval of progress payment estimates until such time as the CONTRACTOR submits the required progress schedule.

17.8 If, in the opinion of the OWNER, the CONTRACTOR falls behind the progress schedule, the CONTRACTOR shall take such steps as may be necessary to improve his progress and the OWNER may require him to increase the number of shifts, or overtime operations, days of work, or the amount of construction plant, or update the progress schedule to reflect increased production for meeting the completion date, or all of them, and to submit for approval such supplementary schedule or schedules in chart form as may be deemed necessary to demonstrate the manner in which the agreed rate of progress will be regained, all without additional cost to the OWNER.

17.9 Failure of the CONTRACTOR to comply with the requirements of the OWNER under this provision shall be grounds for determination by the OWNER that the CONTRACTOR is not prosecuting the work with such diligence as will insure completion within the time specified. Upon such determination the OWNER may terminate the CONTRACTOR'S right to proceed with the work or any separable part thereof in accordance with the clause of the contract entitled, "Termination for Default-Damages for Delay - Time Extensions.

17.10 Should the Contractor fail to complete the work within the specified time, or within any extra time allowed under these specifications, a sum of money, determined by the following schedule, shall be deducted from any funds due the Contractor, the Owner shall have the right recover the said sum or sums from the Contractor or from the surety, or from both. The amounts of these deductions are to cover the liquidated damages to the Owner incurred by additional or other expenses due to the failure of the Contractor to complete the work or any part of the work within the time specified, and such deductions are not to be considered penalties.

17.11 The damages indicated above shall be considered as liquidated damages for the loss to the OWNER on account of the expense due to the employment of Engineers and their assistants and to any others expenses incurred after the expiration of the Contract time as determined by the ENGINEER in section 14.11

17.12 Work requiring the presence or services of the ENGINEER, based-solely on the opinion of the ENGINEER, will not be permitted on Sunday or holidays observed by the State unless the ENGINEER determines that an emergency or necessity exists. Work on these days solely to complete the project within the contract time will not be considered a necessity or emergency.

17.13 The ENGINEER will prepare and submit to the CONTRACTOR one (1) preliminary punch list of items that do not meet the contract requirements after the final inspection and one (1) final punch list immediately before final completion and final payment.

SUPPLEMENTAL GENERAL CONDITIONS

ARTICLE 1 - SPECIAL CONDITIONS

SCOPE AND INTENT

Special conditions shall prevail over General Conditions in case of conflict. The Contractor shall furnish all labor, materials, equipment (including fuel), tools, appliances, transportation and perform all operations in connection with the construction of, alterations to, or repair of, the building, including utilities, complete, in strict accordance with the specifications and the plans governing the construction of, alterations to, or repair of, the project.

EXAMINATION OF PREMISES

Before submitting a proposal for his work, each bidder shall be held responsible to have examined the site and satisfied himself as to the conditions under which work is to be performed.

PERMITS, TAXES, AND ORDINANCES

The Contractor shall pay for all required permits, give legal notices, and pay taxes and assessments levied in connection with this contract. Building regulations shall be strictly adhered to and the contractor shall be responsible for knowledge thereof.

INSURANCES, ETC.

In addition to the requirements of the General Conditions, insurance coverage specified herein constitutes the minimum requirements and said requirements shall in no way lessen or limit the liability of the **CONTRACTOR** under the terms of the Contract. The **CONTRACTOR** shall procure and maintain at his own expense any additional kinds and amounts of insurance that, in his own judgment, may be necessary for his proper protection in the prosecution of the Work.

The **CONTRACTOR** shall carry insurance as prescribed herein and all policies shall be with companies satisfactory to the **OWNER**.

If a part of this Contract is sublet, the **CONTRACTOR** shall require each Subcontractor to carry insurance of the same kinds and in like amounts as carried by the **CONTRACTOR**. Certificates of insurance shall state that 30 days written notice will be given to the **OWNER** before the policy is canceled or changed. No **CONTRACTOR** or Subcontractor

will be allowed to start any construction work on this Contract until certificates of all insurance required herein are filed and approved by the **OWNER**. The certificates shall show the type, amount, class of operations covered, effective dates and the dates of expiration of policies.

The **CONTRACTOR** shall secure and maintain in effect for the period of the Contract and pay all premiums for the following kinds and amounts of insurance.

A. Workers' Compensation and Employer's Liability Insurance

This insurance shall protect the **CONTRACTOR** against all claims under applicable State Worker's Compensation Laws. The **CONTRACTOR** shall also be protected and shall cause each Subcontractor to be protected against claims for injury, disease, or death of employees which, for any reason, may not fall within the provisions of a Worker's Compensation Law. The liability limits shall not be less than the required statutory limits for Worker's Compensation and Employer's Liability or the amount of ONE HUNDRED THOUSAND DOLLARS (\$100,000.00) for each person whichever is more. This policy shall include an all states endorsement.

B. **CONTRACTOR'S** Comprehensive Public Liability and Property Damage Insurance, covering all operations in connection with the performance of this Contract in amounts not less than the following:

Bodily injury liability in the amount of FIVE HUNDRED THOUSAND DOLLARS (\$500,000) for each person and ONE MILLION DOLLARS (\$1,000,000) for each accident and property damage liability in the amount of TWO HUNDRED FIFTY THOUSAND DOLLARS (\$250,000) for all damages arising out of the injury or destruction of property in any one accident and subject to that limit per accident a total for aggregate limit of FIVE HUNDRED THOUSAND DOLLARS (\$500,000) for all damages arising out of injury to or destruction of property during the policy period.

The Comprehensive Public Liability and Property Damage policies carried by both the **CONTRACTOR** and the Subcontractors shall contain an endorsement to include the coverage of the following hazards:

- a. Explosion, collapse, and underground property damage to include any damage or destruction of property below the surface of the ground, such as wires, conduits, pipes, mains, sewers, etc., caused by the **CONTRACTOR'S** operations.
- b. The collapse of and structural injury to any building, structure or property on or adjacent to the **OWNER'S** premises or right-of-way caused by the **CONTRACTOR'S** operations in the removal of other buildings, structures, or supports, or by excavation below the surface of the ground.

- c. Contractual Liability Coverage for the Hold Harmless segments of the Contract Documents.

C. **CONTRACTOR'S Contingent or Protective Liability and Property Damage:**

In case part of this Contract is sublet, the **CONTRACTOR** shall secure contingent or protective liability and property damage insurance to protect him from any and all claims arising from the operation of his Subcontractors in the execution of Work included in the Contract. In no case shall the amount of such protection be less than the limits of \$500,000/\$1,000,000 for Public Liability Insurance and \$500,000/\$1,000,000 for Property Damage Insurance. The coverage in each case shall be acceptable to the **OWNER**.

D. **Automotive Public Liability and Property Damage**

The **CONTRACTOR** shall maintain automobile public liability insurance in the amount of not less than FIVE HUNDRED THOUSAND DOLLARS (\$500,000) for injury to one person and ONE MILLION DOLLARS (\$1,000,000) for one accident; and automobile property damage insurance in the amount of not less than FIVE HUNDRED THOUSAND DOLLARS (\$500,000) for one accident to protect him from any and all claims arising from the use of the following:

- a. **CONTRACTOR'S** own automobiles and trucks.
- b. Hired automobiles and trucks.
- c. Automobiles and trucks owned by Subcontractors.

The aforementioned is to cover use of automobiles and trucks on and off the site of the Project.

E. **OWNER'S Protective Liability Policy**

The **CONTRACTOR** shall maintain **OWNER'S** Protective Liability Insurance with the **OWNER** as the named insured, and the **ENGINEER**, and their servants, agents and employees as additional insureds in amounts not less than the following:

- a. Bodily Injury in the amount of ONE MILLION DOLLARS (\$1,000,000) for each person and ONE MILLION DOLLARS (\$1,000,000) for each accident and property damage liability in the amount of FIVE HUNDRED

THOUSAND DOLLARS (\$500,000) for all damages arising out of an injury or destruction of property in any one accident and subject to that limit per accident a total (or aggregate) limit of ONE MILLION DOLLARS (\$1,000,000) for all damages arising out of injury to or destruction of property during the policy period.

CLEANING UP

The CONTRACTOR shall, at all times, keep the premises free from accumulations of waste materials and at the completion of the work, be shall remove all his rubbish, tools, temporary buildings, etc. from and about the site and shall leave his work “broom” clean unless more exactly specified elsewhere. All glass shall be washed and left free from stains of any nature.

SPECIAL INSTRUCTIONS

LIMITATIONS

During construction, care is to be taken to prevent damage to the work in place. As soon as work is completed, all work is to be thoroughly cleaned. Before completion, all damaged work is to be repaired and left in perfect condition. The CONTRACTOR will be responsible for all clean up of the premises. All trash, etc. will be hauled away from the site, and the site left in a clean and neat condition. Alcoholic beverages of any type will not be permitted on job site.

PRODUCT/MATERIALS SUBSTITUTION

CONTRACTOR will submit prior to starting work on project any changes to materials specified. CONTRACTOR will submit all specification data, company name, and supplier of material that he wishes to substitute. All material will be evaluated. CONTRACTOR will be given approval/disapproval by OWNER. No substitutes will be taken into consideration after work has begun, no substitutes will be allowed if CONTRACTOR does not submit specification data within time allowed.

INSPECTION

All work covered by these specifications shall be subject to inspection by OWNER or his authorized representative. CONTRACTOR will coordinate with OWNER for inspections as required during construction, and furnish to the OWNER in writing a project schedule prior to mobilization of work at the job site.

SPECIFICATIONS AND DRAWINGS ARE RECIPROCAL

The specifications and drawings are intended mutually to explain each other and anything which is referred to in the specifications and not shown on the drawings shall be considered as being shown and mentioned and referred to in both of these documents. Such work shall be done and performed accordingly. Any drawing attached to this specification form is an integral part thereof and where such drawings, if any, differ from these specifications, the specifications shall govern.

AS-BUILT DRAWINGS

Occasionally, during the course of construction, modifications and changes may occur due to site conditions, unforeseen circumstances and problems encountered. This may result in a modification of construction as originally depicted on drawings. Contractor will furnish the OWNER a marked-up set of prints in red line of all changes and/or modifications that pertain to this contract. Drawings will be labeled. "AS-BUILT DRAWINGS".

GUARANTEES, WARRANTIES AND BONDS

1. All work will be guaranteed by the CONTRACTOR for a period of one (1) year from the date of substantial completion.
2. Wording for the notarized guarantee shall be as follows:
"We hereby guarantee all work performed by us on the above captioned project to be free from defective materials and workmanship for a period of one (1) year, or such longer period of time as may be called for in the Contract Documents for such portions of the work."
3. Guarantee Compliance:
Except as otherwise specified, all work shall be guaranteed by the CONTRACTOR and through him each sub-contractor against defects resulting from the use of inferior materials, equipment or workmanship for one (1) year from the date of substantial completion of the Contract. In case of work performed by his sub-contractors, the CONTRACTOR shall secure warranties from said sub-contractors and deliver copies of the same to the OWNER upon completion of the work. If, within any guarantee period, repairs or changes are required in connection with guaranteed work which, in the OWNER'S opinion, are rendered necessary as the result of use of materials, equipment or workmanship which are inferior, defective or not in accordance with terms of the Contract: CONTRACTOR shall promptly upon receipt of OWNER'S written notice, and without expense of the OWNER;
 - a. Place in satisfactory condition in every particular all such guaranteed work, correct all defects therein.

- b. Make good all damage to the building, site, equipment or building contents which in the OWNER'S opinion is the result of the use of materials, equipment or workmanship which are inferior, defective, or not in accordance with terms of the Contract.
- c. Make good any work or material or the equipment and contents of building or site disturbed in fulfilling such guarantee.

In any case where fulfilling the requirements of the Contract, or any guarantee embraced in or required thereby, the CONTRACTOR disturbs any work guaranteed under another's Contract, he shall restore such disturbed work to condition satisfactory to the OWNER and guarantee such restored work to the same extent as it was guaranteed under such other contract. If the CONTRACTOR, after notice, fails to proceed promptly to comply with terms of the guarantee, the OWNER may have the defects corrected and the CONTRACTOR and his surety shall be liable for all expense incurred. All special guarantees applicable to definite parts of the work that may be stipulated in the specification or other Contract Documents shall be subject to the terms of this Specification Section during the first year of the life of such special guarantees. All guarantees and warranties shall be obtained in the OWNER'S name and evidence thereof shall be promptly delivered to the OWNER'S Representative for transfer to the OWNER.

CLOSE-OUT DOCUMENTS

In general documents for close out, to be submitted by the CONTRACTOR to the OWNER, prior to final payment, shall be; but not limited to the following:

1. APPLICATION FOR PAYMENT: AIA Document G-702
2. CERTIFICATE OF SUBSTANTIAL COMPLETION: AIA Document G-704
3. CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBTS AND CLAIMS:
AIA Documents G-706 and G-706A: The Contractor shall furnish these AIA Documents complete with attached notarized full release of liens, damages, and a guarantee that all materials and labor are paid in accordance with Contract Documents with the following wording:
"WE HEREBY CERTIFY THAT ALL BILLS FOR LABOR AND MATERIALS INCORPORATED INTO THE ABOVE CAPTIONED PROJECT UNDER OUR CONTRACT HAVE BEEN PAID AND THAT THE OWNER IS RELEASED FROM ANY AND ALL CLAIMS AND/OR DAMAGES UNDER THIS CONTRACT."
4. CONSENT OF SURETY COMPANY TO FINAL PAYMENT: AIA Document G-707
To be completed in full by the Bonding Company.
5. CONTRACTOR'S NOTARIZED STATEMENT:
Notarized statement that project has been constructed in accordance with Contract Documents.
6. CONTRACTOR'S NOTARIZED STATEMENT OF GUARANTEE/S:
All work will be guaranteed by the Contractor for a period of one (1) year from the date of substantial completion. Wording will be as follows:

"WE HEREBY GUARANTEE ALL WORK PERFORMED BY US ON ABOVE CAPTIONED PROJECT TO BE FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR, OR SUCH LONGER PERIOD OF TIME AS MAY BE CALLED FOR IN THE CONTRACT DOCUMENTS FOR SUCH PORTIONS OF THE WORK."

In the case of work performed by his sub-contractors, the Contractor shall secure warranties from said sub-contractors and deliver copies of same to the Owner upon completion of work.

7. OPERATING AND MAINTENANCE MANUALS:

All manufacturer's operating instructions and maintenance manuals will be compiled in a tabbed and labeled 3-ring binder. (Furnish Owner with two (2) sets).

8. FORM W-9, PAYER'S REQUEST FOR TAXPAYER IDENTIFICATION NUMBER AND CERTIFICATION (IRS):

Form W-9 is to be completed by non-corporation contractors. Non-applicable if Contractor's firm is Incorporated.

9. FINAL CLEANING:

At close out time clean and re-clean entire work to normal level for "FIRST CLASS" maintenance/cleaning.

MEASUREMENT AND PAYMENT

Measurement and payment for the following bid items shall be as described and shall include all material equipment, labor and testing to install and make operational a complete sewer system as detailed on the contract drawings and in these specifications.

SEWER MAIN (SDR-26), HDPE, DUCTILE IRON, OR OTHER

Payment for all sewer mains will be per linear foot for various diameter pipe measured from centerline of manhole to centerline of manhole in relation to the diameter of the pipe and the depth of cut as shown in the individual bid items. The item shall be paid per linear foot.

REMOVAL OF EXISTING SEWER LINE

Payment for removal of existing sewer line shall be as indicated on the construction plans. The item shall include all labor, materials and equipment necessary to complete the item. The item shall be paid per linear foot.

ABANDONMENT OF EXISTING SEWER LINE

Payment for abandonment of existing sewer line shall be as indicated on the construction plans. The item shall include all labor, materials and equipment necessary to complete the item. The item shall be paid per linear foot.

TRACER WIRE SYSTEM

Installation requirements for tracer wire shall be as indicated on the construction plans. The item shall include all labor, materials and equipment necessary to provide a complete tracer system for the sewer infrastructure with proper grounding and connection points as shown in the plans and specifications. Grounding and hook-up locations shall be absorbed in the price of the tracer wire. The item shall be paid per linear foot.

MANHOLES

Payment for manholes will be per each and depth of manhole in appropriate depth bracket measured from lid of manhole to downstream invert. Depth shall be based on individual bid items.

DEMOLITION AND REMOVAL OF EXISTING MANHOLE

Payment for demolition and removal of existing manhole shall be as indicated on the construction plans. The item shall include the removal of the manhole frame and lid assembly with storage and delivery to City of Hattiesburg, demolition of the remainder of the manhole as indicated on the construction plans removal of the manhole as indicated. The item shall include all labor, equipment and materials necessary to demolish and remove an existing manhole. Bypass pumping shall be an absorbed portion of this item should it be necessary for the removal. The item shall be paid per each.

ABANDONMENT OF EXISTING MANHOLE

Payment for abandonment of existing manhole shall be as indicated on the construction plans. The item shall include all labor, materials and equipment necessary to complete the item. The item shall be paid per each.

DROP MANHOLE ASSEMBLY

Payment for drop manhole assembly shall include furnishing and installing all hardware required to assemble a drop as detailed in the plans and specifications. Payment shall be per each.

SANITARY SEWER SERVICE CLEANOUT

Payment for sewer cleanout will be per each to include all labor, materials and equipment at the bid size. Price shall reflect each necessary cleanout as determined by the ENGINEER to provide sanitary sewer service to project area.

SANITARY SEWER SERVICE

Payment for sanitary sewer service will be per linear foot for various diameter pipe. Item shall include pvc pipe, fittings, and other items necessary for a functioning service. Item shall include all labor, equipment and materials necessary to install all equipment. The item shall be per linear foot.

SANITARY SEWER SERVICE TEE

Payment for sanitary sewer service tee will be per each at the bid size and type. Price shall include all labor, materials and equipment necessary to install sanitary sewer service tee based on plans and specifications.

DUCTILE IRON, PVC and HDPE WATER SYSTEMS

Payment for item shall include furnishing and installing all pipe, trenching, compaction of required bedding and backfill excavation, disposal of excess excavated material sheeting, shoring, bracing, dewatering, testing, fittings, reducers, flushing the system and related items not specifically covered under other pay items. The contract price shall be determined by the measured distance of pipe installed and accepted per linear foot.

TRACER WIRE SYSTEM

Installation requirements for tracer wire shall be as indicated on the construction plans. The item shall include all labor, materials and equipment necessary to provide a complete tracer system for the sewer infrastructure with proper grounding and connection points as shown in the plans and specifications. Grounding and hook-up locations shall be absorbed in the price of the tracer wire. The item shall be paid per linear foot.

CONNECTION ITEMS

Payment for connection items shall include installation of reducers, fittings, valve boxes,

trenching, excavation, compaction of backfill, blocking, disposal of excess excavated material, sheeting, shoring bracing, dewatering, testing, flushing and related items not specifically covered under other pay items as depicted on the construction plans. Pay shall be determined per each.

GATE VALVES

Payment for installation of gate valves shall include furnishing gate valves, valve boxes, trenching, excavating, compaction of backfill, disposal of excess excavated material, sheeting, shoring, bracing, dewatering, testing, flushing and related items not specifically covered under other pay items as depicted on the construction plans. Pay shall be determined per each.

FIRE HYDRANT WITH APPURTENANCES

Payment for installation of fire hydrant with appurtenance shall include furnishing fire hydrant, gate valve, valve box, piping, trenching, excavating, compaction of backfill, blocking, disposal of excess excavated material, sheeting, shoring, bracing, dewatering, testing, flushing and related items not specifically covered under other pay items. Pay shall be determined per each to include fire hydrant, tees, gate valve, valve box, pipe and other miscellaneous items as required to provide an operational hydrant. Pay shall be determined per each.

REMOVAL OF EXISTING FIRE HYDRANT

Payment for removal of fire hydrant shall include capping/plugging existing service line and removal of the hydrant. Item shall be paid per each.

SERVICE TAP

Payment for service tap shall include all fittings, tubing, tapping saddle, corporation stop, materials, labor and equipment to provide a new water service. Item shall be paid per each.

SERVICE TUBING

Payment for installation of service tubing shall include furnishing and installing service tubing as directed by the ENGINEER. Item shall include all boring, trenching, excavating, compaction of backfill, disposal of excess excavated material etc. to install service tubing as directed. Payment shall be per linear foot measured from each connection point.

RESIDENTIAL METER

Payment for residential meter shall include all components, labor and equipment for a fully operational water meter. Meter shall meet the requirements of the plans and specifications and function fully within the existing system. Item shall include meter, box and any necessary fittings and shall be paid per each.

CRUSHED AGGREGATE

Payment for crushed aggregate shall include furnishing and installing material as specified in the plans and specifications. Crushed aggregate shall be installed as a base material for the

pavement repairs. Crushed aggregated may be used for a temporary riding surface and will be the surface of Camp Street throughout the life of the project. Temporary riding surface will be removed prior to pavement repairs and moved to another location as directed by the engineer at no additional cost to the project. Payment shall be per ton from certified scales.

SELECT FILL MATERIAL

Payment for select fill material will be based on loose vehicular measurement. Haul vehicles shall be measured and volumes calculated. It shall be the discretion of ENGINEER as to the overall percentage full of haul material and that determination shall be final. Item shall include material, haul, placement and testing necessary to meet the plans and specifications.

CONCRETE PAVEMENT REPAIR

Payment for concrete pavement repair shall include furnishing and installing concrete pavement as specified in the plans and specifications. Item shall include forming, material, haul, placement, finishing and testing necessary to meet the plans and specifications. Payment shall be per square yard.

HARDY STREET ROAD REPAIR

Payment for Hardy Street Road repair shall include furnishing and installing concrete pavement and asphalt as specified in the plans and specifications. Item shall include forming, material, haul, placement, finishing compaction, and testing necessary to meet the plans and specifications. Payment shall be per square yard.

CONCRETE

Payment for concrete shall include furnishing and installing concrete with specified class as specified in the plans and specifications. Item shall include forming, material, haul, placement compaction and testing necessary to meet the plans and specifications. Item shall include reinforcing steel, grates, etc. as necessary and required. Payment shall be per cubic yard.

HOT MIX ASPHALT

Payment for hot mix asphalt shall include furnishing and installing asphalt pavement as specified in the plans and specifications. Item shall include material, haul, placement compaction and testing necessary to meet the plans and specifications. Payment shall be per ton.

CONCRETE SIDEWALK REPAIR

Payment for concrete sidewalk repair shall include furnishing and installing sidewalk to match removed concrete sidewalk. Item shall include saw cutting, forming, material, haul, placement, compaction and testing necessary to meet the plans and specifications. Item

shall not be used for damage to sidewalk as a result of poor construction methods or neglect from the contractor. Payment shall be per square yard.

CONCRETE CURB AND GUTTER

Payment for concrete curb and gutter shall include removal, grading, forming, materials, placement, compaction and testing necessary to match existing curb and gutter. Item shall be paid per linear foot.

CONCRETE DITCH REPAIR

Payment for concrete ditch repair shall include removal, grading, forming, materials, placement, compaction and testing necessary to match existing paved ditch. Item shall be paid per square yard.

CLASS "B" CONCRETE, MINOR STRUCTURES

Payment for Class "B" Concrete, Minor Structures shall include grading, forming, materials, placement, compaction and testing necessary to complete the construction as defined in the plans and specification and in accordance with the Mississippi Standard Specifications for Road and Bridge Construction, 2017 edition. Item shall be paid per cubic yard.

REINFORCING STEEL

Payment for reinforcing steel shall include grading, forming, materials, tying, spacing and testing necessary to complete the construction as defined in the plans and specification and in accordance with the Mississippi Standard Specifications for Road and Bridge Construction, 2017 edition. Item shall be paid per pound.

INLET GRATINGS

Payment for inlet gratings shall include casting, materials, installation and testing necessary to complete the construction as defined in the plans and specification and in accordance with the Mississippi Standard Specifications for Road and Bridge Construction, 2017 edition. Item shall be paid per pound.

INLET CASTINGS

Payment for inlet castings shall include casting, materials, installation and testing necessary to complete the construction as defined in the plans and specification and in accordance with the Mississippi Standard Specifications for Road and Bridge Construction, 2017 edition. Item shall be paid per pound.

DRAINAGE PIPE

Payment for all drainage pipe will be per linear foot for various diameter pipe and material type measured from end of pipe to end of pipe installed in relation to the diameter of the pipe.

REMOVAL OF EXISTING PIPE CROSS DRAINS

Payment for removal of existing pipe cross drains shall include removal of all pipe materials from project site. Item shall be as authorized by the engineer. Item shall be paid per linear foot.

REMOVAL OF EXISTING CORRUGATED HDPE PIPE AND RESET

Payment for removal of existing corrugated HDPE pipe and reset shall include removal of all pipe materials, storing materials, and installation of materials in a new location as directed by the ENGINEER. Item shall be paid per linear foot.

REMOVAL, SALVAGE, AND RESET EXISTING FENCE

Payment for removal, salvage, and reset of existing fence shall include removal of all fence materials, storing materials, and installation of materials in a new location as directed by the ENGINEER. Item shall be paid per linear foot.

6" YELLOW THERMOPLASTIC DETAIL TRAFFIC STRIPE

Payment for 6" Yellow Thermoplastic Detail Stripe shall include materials, labor, and equipment for the installation of striping at locations directed by the ENGINEER and in accordance with the Mississippi Standard Specifications for Road and Bridge Construction, latest edition. Item shall be paid per linear foot.

LEGEND WHITE THERMOPLASTIC TRAFFIC MARKING

Payment for Legend White Thermoplastic Traffic Marking shall include materials, labor, and equipment for the installation of striping at locations directed by the ENGINEER and in accordance with the Mississippi Standard Specifications for Road and Bridge Construction, latest edition. Item shall be paid per linear foot.

SOLID SOD

Payment for solid sod shall include furnishing and installing sod, fertilizer, lime and other components required to establish permanent grassing matching existing conditions. Solid Sod shall include final grading prior to installation of sod materials. The unit measurement shall be per square yard.

LANDSCAPE RESTORATION

Payment for Landscape Restoration shall include furnishing and installing of top soil, mulch, plants, fertilizer, watering, final grading and other components required to re-establish landscaping to matching existing conditions. The unit measurement shall be per square foot.

CLEARING AND GRUBBING

Payment for clearing and grubbing shall include removal of all items within the required limits of construction necessary to complete the project based on the construction plans and specifications. Payment shall include off site removal of all items removed during clearing and grubbing. Item shall include all materials, labor and equipment necessary to meet the plans and specifications. Payment shall be per acre.

TEMPORARY EROSION CONTROL

Payment for Temporary Erosion Control shall include furnishing, installing and maintaining hay bales or silt fence as required by current Mississippi Department of Environmental Quality standards. Hay bales and silt fence shall be installed and maintained to prevent erosion under or excess siltation within 24 hours of a rain event. The unit measurement shall be lump sum and includes any required maintenance.

MAINTENANCE OF TRAFFIC

Payment for maintenance of traffic will be lump sum. Item shall include all materials, labor and equipment to maintain traffic based on the current MUTCD or as required by the ENGINEER.

MOBILIZATION

Payment for mobilization shall enable contractor to assemble materials, equipment, etc. on site, to prepare for construction. The unit measurement shall be lump sum. Mobilization shall be paid 50 percent at 5 percent of construction complete and 100 percent at 25 percent of construction complete.

SANITARY SEWERAGE SYSTEMS

1.0 GENERAL

This item shall consist of furnishing all of the necessary materials, supervision, labor, tools, equipment and incidentals, and the installation of various types and sizes of sewer pipe and related items in accordance with the Contract Drawings and Specifications, as stated in the Proposal.

2.0 APPLICABLE PUBLICATIONS

The following publications form a part of this Specifications and where referred to by basic designation only, are applicable to the extent indicated. The latest editions of the publications referenced shall apply to the work.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- A 139/139M Electric-Fusion (Arc) Welded Steel Pipe (HPS 4 inch and over).
- A 252 Welded and Seamless Steel Pipe Piles.
- C 31/C 31M Making and Curing Concrete Compressive and Flexural Strength Test Specimens in the Field.
- C 33 Specifications for Concrete Aggregate
- C 39/C 39M Compressive Strength of Cylindrical Concrete Specimens.
- D 1248 Polyethylene Plastics Extrusion Materials for Wire and Cable
- D 1784 Rigid Poly(Vinyl Chloride)(PVC) Compounds and Chlorinated Poly (Vinyl Chloride)(CPVC) Compounds.
- D 2412 Determination of External Loading Characteristics of Plastic Pipe by Parallel Plate Loading.
- D 2922 Density of Soil and Soil Aggregate in place by Nuclear Methods (Shallow Depths).
- D 3034 Specifications for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings.
- D 3212 Joints for Drain and Sewer Plastic Pipes using Flexible Elastomeric Seals.
- F 477 Specifications for Elastomeric Seals (Gaskets) for Joining Plastic Pipe.

F 794 Poly (Vinyl Chloride)(PVC) Profile Gravity Sewer Pipe and Fittings Based on Controlled Inside Diameter.

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

A21.10 Ductile Iron Fittings, 3 inch through 48 inch for Water and other Liquids.

A21.11 Rubber Gasket Joints for Ductile Iron Pressure Pipe and Fittings.

A21.50 Ductile Iron Pipe, Design Requirements

A21.51 Ductile Iron Pipe, Centrifugally Cast in Metal Molds or Sand-lined Molds, for Water or other Liquids.

AMERICAN WATER WORKS ASSOCIATION (AWWA)

C 104 Cement-Mortar Lining for Ductile Iron Pipe and Fittings for Water and Other Liquids.

C 106 Cast Iron Pipe Centrifugally Cast in Metal Molds, for water and other Liquids.

C 110 Ductile Iron Fittings, 3 inch through 48 inch, for Water and Other Liquids.

C 111 Rubber Gasket Joints for Ductile Iron Pressure Pipe and Fittings.

C 151 Ductile Iron Pipe, Centrifugally Cast in Metal Molds or Sand-Lined Molds, for Water or other Liquids.

AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS (AASHTO)

T-88 Particle Size Analysis of Soils.

T-89 Determining the Liquid Limit of Soils.

T-90 Determining the Plastic Limit and Plasticity Index of Soils.

T-99 Moisture Density Relations of Soils Using a 5.5 lb. Rammer and 12 inch Drop.

T-191 Density of Soil In-Place by the Sand-Cone Method.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Standard Specifications for Road and Bridge Construction Current Edition.

3.0 SUBMITTALS

The following submittals shall be required for the respective materials used in the work. All submittals shall be submitted through the Contractor to the Engineer and bear on the submittal a certification from the Contractor the submittal is in conformance with the specifications.

3.1 Ductile Iron Pipe: The following submittals shall be required for ductile iron pipe systems utilized on the project. The Contractor shall furnish manufacturer's certificates certifying that the pipe and fittings conform to the requirements as specified hereinafter under Article 4.0, Materials. In addition, the submittals shall include the following:

A. Joints: The following shall be required for ductile iron joints.

1. Drawings or Manufacturer's Catalogue data indicating dimensions and tolerance.
2. Gaskets shall be tested in accordance with the respective standards as indicated in ANSI 21.11 and results shall be included in the submittals. Test shall be for similar materials on the gaskets and be not more than one year old.
3. Mechanical Joints: Should the Contractor elect to use mechanical joints in lieu of push-on joints, manufacturer's data shall be submitted in accordance with the "Special Requirements for the Mechanical Joint" as stated in ANSI 21.11 (AWWA C 111).

B. Ductile Iron Pipe Submittal Shall Include the Results of:

1. Tension Test
2. Impact Test
3. Low Temperature Impact Test

Sampling procedure shall be as indicated in ANSI 21.51.

3.2 PVC Pipe: The Contractor shall submit manufacturer's certificate which certifies the pipe and fittings conform to the requirements as specified hereinafter under Article 4.0, Materials. In addition, the Contractor shall submit the following:

A. PVC Piping: PVC Pipe shall be sampled, tested, and inspected in accordance with the provisions of ASTM D3034. Copies of test results shall be attached. Test results shall be similar material and not be more than one year old from the date of material delivery.

B. Joints: The following submittals shall be required for PVC joints.

1. Certificate with test results for joints for compliance to ASTM D 3212. Gaskets shall conform to ASTM F 477. Test results shall be for similar material and not be more than one year old.

4.0 MATERIALS

4.1 Gravity Sewer Pipe: Where the type of gravity sewer piping is not indicated on the plans, the Contractor shall furnish polyvinyl chloride (PVC) pipe.

The Contractor shall be restricted to furnishing the exact type of pipe material where indicated on the Contract Drawings.

The Contractor shall be limited to the use of only one type of pipe (so selected by the Contractor and indicated on the Proposal Form) and shall not change the type of gravity sewer pipe except as follows:

1. Where indicated on the plans, or
2. If permitted in writing by the Engineer.

A. **Ductile Iron Pipe:** Ductile iron shall be designed in accordance with the latest revision of ANSI/AWWA C150/A21.50 for a minimum 50psi.

Ductile Iron Pipe shall be manufactured in accordance with the latest revision of ANSI/AWWA C151/A21.51. Each pipe shall be subjected to a hydrostatic pressure test of at least 500 psi at the point of manufacture.

Pipe shall be standard asphaltic coating on the exterior. Pipe shall also have 40 mils of Protecto 401 Ceramic Epoxy on the interior per "Standard Specification for Lining Ductile Iron Pipe for Sewer Service".

The class or nominal thickness, net weight without lining, and casting period shall be clearly marked on each length of pipe. Additionally, the manufacturer's mark, country where cast, year in which the pipe was produced, and the letters "DI" or "Ductile" shall be cast or stamped on the pipe.

All pipe shall be furnished with Push-On Type Joints, such as Tyton or Fastite. Joints shall be in accordance with ANSI/AWWA C111/A21.11, of latest revision, and be furnished complete with all necessary accessories.

Fittings shall be ductile iron. Fittings shall conform to the latest revision of either ANSI/AWWA C600.

B. **PVC Pipe :** PVC gravity sewer pipe and fittings shall conform to the requirements of ASTM D 3034 with an SDR of 26 and a minimum stiffness of 46 lb./in. - in and 115 lb./in. - in, respectively. Joints for sewer pipe shall be either push-up or mechanical conforming to the requirements of ASTM 3212. Gaskets for sewer pipe shall conform to the requirements of ASTM F 477.

Approved adaptors shall be used for making connections between PVC pipe and

concrete manholes. Pipe connections to new manholes shall be made using a flexible synthetic rubber boot mechanically clamped to the manhole and to the pipe to provide a watertight seal.

C. Service Laterals: Service laterals for local services shall consist of fittings, pipe lengths, and connections of 6 inch or 4 inch pipe. The fittings, pipe lengths and plugs shall be of the same material as the run pipe unless otherwise indicated on the Contract Drawings. The modified sewer tees shall be an integral part of the run pipe. The remainder of the branch shall consist of standard fittings (elbows, reducers, and lengths of pipe) in accordance with the manufacturer's standard products and as specified. Pipe lengths and joint connections shall meet the specified requirements for the type materials used.

4.2 Casing Pipe: Steel pipe utilized as casing at locations shown on the Contract Drawings shall be new round piling pipe conforming to the requirements of ASTM A 252 or A 139. Casing diameter shall be adequate to allow pushing of the specified diameter of sewer pipe or force main and make proper connections at the ends. Minimum Wall Thickness for steel casing is 0.25 inch. (Hwy) and 0.28 inch (RR). Contractor shall verify the I.D. of the casing pipe is adequate for the carrier pipe prior to installation.

4.3 Wash Gravel Bedding Material: Select Granular material for pipe bedding shall be coarse concrete aggregate. The coarse concrete aggregate shall conform to the gradation sizing Number 467 specified in Table 2 of ASTM Standard Specification C-33. (See Following Table:)

SIZE NO. 467

<u>Nominal Size</u> <u>(Sieves w/Square Openings)</u>	<u>Percent Passing by Weight</u>
2"	100
1 - ½"	95 - 100
¾"	35 - 70
⅜"	10 - 30
No. 4	0 - 5

4.4 Stabilization Material: Stabilization Material shall be a pit run mixture of sand and gravel. The sand shall be hard, sharp and durable particles. All gravel shall pass a 1 - ½" sieve.

4.5 Clay Gravel Material: Clay Gravel Material shall meet MDOT Specifications, Group

4.6 Concrete: Concrete shall be in accordance with the requirements of Technical Specifications - CONCRETE

4.7 Select Fill Material: General : The select material shall be composed of a natural or artificial mixture of sand, silt, clay or soil binder or other material of satisfactory cementing value. The sand shall be hard, sharp, and durable particles, preferably siliceous. The binder shall be a grade of clay or other material having satisfactory cementing qualities and shall be homogenous in

character, free from vegetable matter, clay balls or other deleterious substances that cannot be classed as serviceable base material. Material shall meet the Standard Specifications for Road and Bridge Construction, Latest Edition for Class 9 Group C and modified to consist of a P.I of between 5 and 15.

4.8 Backfill: All other backfill shall consist of excavated material removed from the trench unless otherwise directed by the Engineer. CONTRACTOR shall separate poor and acceptable material during excavation. Failure to separate material shall require CONTRACTOR to furnish acceptable backfill at no additional cost to the project. Unacceptable material shall be disposed of off-site at the Contractor's expense.

5.0 CONSTRUCTION:

5.1 Earthwork:

A. Site Preparation: Topsoil shall be stripped and stockpiled in accordance with Technical Specifications - Restoration of Roads, Driveways, Fences, Lawns, and other Grassed Areas.

All vegetation such as brush, heavy sod, heavy growth of grass, decayed vegetative matter, rubbish and any other unsuitable material within the area of trenching shall be stripped or otherwise removed before the trenching is started, and in no case shall such objectionable material be allowed in the trench.

Stripping operation shall be to a depth of not less than 6 inches in all cases.

Where possible, Contractor shall remove turf in sections, keep damp, and replace upon completion of backfilling.

B. Asphalt or Concrete Removal: Before trenching operations begin, the existing asphalt or concrete pavement shall be scored or cut to a proper depth to give a straight vertical edge when removed. The asphalt or concrete shall be disposed of offsite by the Contractor at his expense. While removing the asphalt or concrete in the trench line, never shall the adjacent asphalt be raised or pulled from its base.

C. Trenching: The Contractor shall determine all requirements for trench dimensions, alignment, and grades. The trench shall be excavated in conformance with all federal, state and local regulations for the protection of the workmen. Shoring, sheeting and/or a moveable form shall be used as required to provide earth stability during the laying operations.

The final excavation of the trench for the pipe installation shall be as indicated on the Plans. Minor variations in horizontal (within the permanent easement) or vertical alignment during construction shall be made during construction (with the Engineer's approval) to facilitate ease of installation and operation (due to potential conflicts; i.e., utility conflict) at no additional cost to the Owner except for additional piping, if any. The trench from the top of the pipe down to the bottom of the bedding shall be of a consistent width as indicated on the plans. Should

the excavated width of the trench be larger than the design width, the Engineer may direct that a higher type or class of bedding be used; or other adjustments be made to increase the load carrying capacity of the pipe. In the event trench width is wider than allowed on the plans, Contractor shall absorb the cost of additional wash gravel bedding based on neat line quantity calculations.

The Contractor shall not excavate more trench in advance of pipe laying than is necessary to perform the work efficiently. No more than 100 feet of open trench shall be allowed unless approved by the Engineer.

Excavated material shall be placed in a manner that will not obstruct sidewalks, driveways, or other structures. Excavated material shall not be placed so as to surcharge the walls and jeopardize trench stability.

If adequate area is not available on the construction site, the Contractor will be required to stockpile material off site. Owner shall not bear any additional expense.

Ledge Rock, boulders and large stones shall be removed to provide a minimum clearance of 4 inches (10 cm) below and on each side of all pipes.

It is the intention of these specification that there shall be a minimum interruption to traffic and all traffic control shall be in accordance with the MUTCD.

D. Disposal: The Contractor shall satisfactorily dispose of all excess earth from excavations either in approved (by the Engineer) areas within the construction limits or away from the project in disposal sites obtained by the Contractor.

The Contractor will be permitted to mound excess earth over the trench to a maximum depth of 12 inches above the original ground surface or finished grade where the trench is located in unimproved property. Wasting of excess excavated material will not be permitted within any road ROW. All material within the construction limits shall be placed so that natural drainage is maintained and the surface shall be graded to a smooth and uniform appearance. The disposal of waste and excess excavating materials, including hauling, handling, grading, and surfacing shall be subsidiary obligation of the contractor and no separate payment will be made. Therefore, the cost of such work shall be included in the Contract Unit Price for installation of sewer pipe.

E. Dewatering: The site shall be kept free of surface water at all times. The Contractor shall install drainage ditches and dikes and shall perform all pumping and other work necessary to divert or remove rainfall and other accumulations of surface water from the excavations. The diversion and removal of surface water shall be performed in a manner that will prevent the accumulation of water behind temporary structures or at any other locations within the construction area where it may be detrimental. The Contractor shall provide, install, and operate sufficient trenches, sumps, pumps, hoses, piping, well points, deep wells, etc., necessary to depress and maintain the ground water level at least one foot below the base of the excavation during all stages of construction operations. The ground water table shall be lowered in advance of excavation and maintained a minimum of one foot below the lowest excavation subgrade

made until the structure has sufficient strength and weight to withstand horizontal and vertical soil and water pressures.

Where groundwater is encountered, the Contractor shall make the effort necessary to secure a dry trench bottom before laying pipe. In sandy and in other suitable type soils, dewatering shall be done by well pointing. If, in the opinion of the Engineer, the Contractor has failed to obtain an absolutely dry trench bottom by insufficient use of all known methods of trench dewatering, the Engineer may order the Contractor to excavate below grade and place not less than 6 inches of graded crushed stone fill material over the trench bottom to form trench drains to suitably located sumps and to remove the water by bailing or pumping. The graded crushed stone fill material shall be placed at the Contractor's own expense and shall be of such depth that there shall be not water in bell holes at the time of coupling pipe. All costs of equipment, labor, and materials required for dewatering shall be included in the pipe laying operation.

F. Bedding: The Contractor shall satisfactorily shape the trench area (to specified line, grade and cross section) to receive bedding material. The bottom of the trench shall be undisturbed soil. Should the Contractor over excavate the trench without direction from the Engineer, the trench shall be brought up to grade with wash gravel bedding and compacted to at least 90% of maximum laboratory density as measured by AASHTO T 99. Such additional work and materials for over excavation, without direction of the Engineer, shall be at the expense of the Contractor.

Holes for the bells shall be provided at each joint in the subgrade or in the granular fill bedding material as required. The holes shall be no larger than necessary for joint assembly and assurance that the pipe barrel will lie flat on the material. The Contractor shall install the proper bedding for the respective type of pipe and depth of installation as shown in the details and schedules on the plans. When depths vary in a particular manhole run, the Contractor shall change bedding systems in accordance with the depth installation requirements.

1. Stabilization Materials: When the subgrade is found to be unstable or to include ashes, refuse, organic material, or other unsuitable material, the Engineer may direct that the subgrade be over excavated to remove such material. The depths of over excavation shall be as directed by the Engineer. Stabilization material shall be placed into the over excavated area of the trench and shall be paid for in accordance with these specifications. Stabilization shall be compacted to at least 90% of maximum laboratory density in six inch lifts.

2. Bedding Materials: As detailed in the plans, bedding material shall be placed to the specified depth below the pipe and tamped to a minimum of 90% of maximum laboratory density as determined in accordance with AASHTO T 99. Following placement of pipe, additional bedding material shall be placed and consolidated under the haunches of the pipe. Special tools shall be required to work the material into place and leave no voids beneath the pipe. The bedding material shall be tamped along the spring line (or along the top of the bedding material as indicated) of the pipe to sufficiently compact the material insofar as practical.

The Engineer may direct additional moisture be added to the bedding material to aid in

the compaction effort. Mechanical tampers may be employed to aid the process. Depending on the particular bedding required, additional bedding shall be added and tamped to a minimum of 90% of maximum laboratory density, with AASHTO T-99.

3. Select Backfill: Select backfill shall be placed in 6 inch lifts and tamped to a minimum laboratory density with AASHTO T-99. Overall depth of the select backfill shall be as directed by the Engineer.

4. Normal Condition Bedding: Under normal conditions the trench bottom shall be undisturbed earth shaped to the specified line, grade, and cross section with proper bell holes at each joint to ensure that pipe barrel lies flat on trench bottom. The bedding material will be selected native materials excavated from the trench and placed in two lifts. The first lift being placed up to the spring line of the pipe and extending out to the trench walls and hand tamped to a minimum of 90% of maximum laboratory density. Special care shall be used in placing and tamping bedding to insure no voids under the haunches of the pipe. The second lift shall extend to approximately 6" above pipe (Material permitting) and hand tamped to 90% density.

5. Backfilling: Upon completion of placement of select material the excavated materials shall be immediately placed back into the trench. Specific requirements are:

- a Backfill requirements for road crossings, parking lots, driveways, and sidewalks shall be in accordance with Technical Specifications - RESTORATION OF ROADS, DRIVEWAYS, FENCES, LAWNS, AND OTHER GRASSED AREAS.
- b. Backfill requirements for unimproved areas (pastures, wooded areas) shall consist of placement and shaping of the soil in such a manner as to allow maximum natural consolidation. No compaction of the general backfill in the unimproved areas will be required, except that caused by conventional shaping equipment.
- c. No debris shall be used as backfill which has a volume in excess of one-half of one cubic foot or a weight excess of 75 pounds.

6. Sheeting Removal: Wooden sheeting or other thick sheeting or shoring members which have been driven or otherwise placed along the trench walls to an elevation below the spring line of the pipe shall be cut off at the spring line or higher and left in place.

7. Grading and Grassing: Final grading and grassing shall be in accordance with Technical Specifications - RESTORATION OF ROADS, DRIVEWAYS, FENCES, LAWNS, AND OTHER GRASSED AREAS.

5.2 PIPE HANDLING AND STORAGE: Pipe shall be handled, staked, and stored in accordance with manufacturer's printed literature. The Contractor shall provide security as required to prevent damage by vandals. PVC pipe shall be shaded from sunlight for extended lengths of time. Pipe damaged during storage and handling shall be rejected.

5.3 PIPE LAYING: Pipe laying shall proceed upgrade with the spigot ends of the bell-and-spigot pipe and tongue ends of the tongue and groove pipe jointing in the direction of flow. Each pipe shall be laid true to line and grade and in such a manner as to form a close concentric joint with the adjoining pipe and to prevent sudden offsets of the flow line. As the work progresses, the interior of the sewer shall be cleared of all dirt and superfluous materials of every description. Where cleaning after laying is difficult because of small pipe size, a suitable swab or drag shall be kept in the pipe and pulled forward past each joint immediately after the jointing has been completed. Trenches shall be kept free of water and pipe shall not be laid when the condition of the trench or the weather is unsuitable for such work. At times when work is not in progress, open ends of pipe and fittings shall be securely and satisfactorily closed so that no trench water, earth, or other substance will enter the pipe or fittings.

Pipe laying shall be performed in such a manner that no foreign material enters the pipe. The Engineer may require that before lowering pipe, heavy canvas bags be placed over each end, and left in place until joints are ready to be made. If water is in the trench, the seals shall remain in place until the trench is pumped completely dry. If conditions are unsuitable, no pipe shall be laid until satisfactory laying conditions are obtained in accordance with the above specified requirements.

The Contractor shall utilize a commercial grade laser beam specifically manufactured to aid in maintaining grade and alignment of pipelines during installation. The primary unit shall be mounted on a heavy duty base and firmly anchored in the downstream manhole of the reach under construction. The maximum distance shall not exceed four hundred feet (400') per set-up without the approval of the Engineer.

Each joint of pipe shall be installed using an approved target to align the pipe with the projected laser beam. The methods and procedures shall be in strict accordance with the manufacturer's recommendations and instructions. Proper ventilation shall be maintained at all times. Care shall be exercised in order to prevent bumping or misalignment of the projected beam. Sewer lines shall be laid such that the installed variation of invert elevations when compared with the construction plans does not exceed 0.05 feet. Sewer lines in which said variation exceeds 0.05 feet may be rejected. Sewer pipe shall be visually inspected for alignment by lamping, televising or by other appropriate means to determine alignment.

Whenever a movable steel box is used in place of sheeting, the Contractor shall take care to prevent the pipe from moving when the steel box is moved.

5.4 PIPE JOINTING: Piping shall be jointed in accordance with the manufacturer's printed recommendations. Gaskets shall be firmly set within the bells and grooves as required. The manufacturer's recommended lubricant or an approved equal shall be applied for slip type joints.

A. PVC Pipe Joint Construction: The bell and spigot ends of PVC sewer pipe shall be cleaned of all foreign material that could interfere with proper assembly of the joints. The spigot

ends shall be cleaned one inch (1") beyond the joint assembly reference mark.

The spigot end of the pipe shall be thoroughly lubricated in accordance with the manufacturer's recommendations. The coating should be the equivalent of a brush coat of enamel paint and may be applied by hand, cloth, pad sponge or glove.

The lubricated spigot end shall be inserted into the bell keeping the pipe length in proper alignment. The bell shall be braced while the spigot end is pushed in under the rubber ring, so that previously completed joints in the line will not be closed up. The spigot end shall be pushed into the bell until the reference mark is flush with the end of the bell. Pipe shall be pushed by use of a bar or other means approved by the Engineer. Hydraulic excavators, backhoes, or other machinery shall not be used to push slip-joint pipe together.

Generally, the installation and jointing of PVC Pipe shall conform to the requirement so the latest edition of ASTM D-2321, "Underground Installation of Flexible Thermoplastic Sewer Pipe".

Any pipe cuts shall be of neat line. Pipe shall have bevel edges according to the manufacturer's recommendations.

B. Ductile Iron Pipe Joint Construction: The installation and jointing of ductile iron pipe and shall generally conform to the applicable provisions of AWWA Standard Specifications C-600 for pipe laying.

Where mechanical joint pipe is used, the surfaces which come in contact with the gasket shall be thoroughly brushed with a wire brush just prior to assembly. The gasket should be brushed with soapy water prior to installation to remove loose dirt and to lubricate gasket as it is forced into its retaining space.

When tightening bolts, it is essential that the gland be brought up toward the pipe flange evenly. The bolts should be partially tightened; the bottom bolt first; then the top; next the bolts on either side; and last, the remaining bolts. Overstressing of bolts to compensate for poor installation will not be permitted. Bolt torque shall be in accordance with manufacturer's specifications.

All joints of whatever type shall be completely water tight after being subjected to the required tests.

C. Jointing Dissimilar Pipes: Suitable adaptor couplings are required for connecting dissimilar pipes. The couplings shall be approved by the Engineer before installation.

5.5 STREAM CROSSING: Ductile iron pipe Class 50 shall be used as shown on the Drawings. Granular fill, concrete, and concrete collars shall be placed or constructed as shown on the contract drawings.

5.6 SERVICE LATERALS (LINES): Modified sewer tees shall be installed on the run pipe at the appropriate field locations. Service lines of the sizes specified shall be laid to a uniform grade so that the customer being served can be tied-in using good construction practices. All tamping and backfilling operations shall be performed the same as on main line pipe. Removable plugs shall be securely installed in pipe ends and a 2" x 2" treated post extending 12" above the ground line shall mark the pipe end location if the lateral is not connected to an existing sewer. For service laterals in which a connection to an existing service is required, the Contractor shall make the connection. Contractor shall verify the location of all service laterals within the project area prior to construction.

5.7 BORINGS: Borings shall be accomplished in accordance with Mississippi Standard Specifications for Road and Bridge Construction or Railway Standards. The contractor shall provide all necessary sheeting, bracing, cribbing, supports and appurtenances to insure the proper line and grade throughout the entire length of the crossing.

A. Casing Pipe: Casing Pipe shall be installed as indicated on the Contract Drawings. Joints shall be completely welded to provide structural integrity and shall be water tight.

B. Carrier Pipe: Carrier pipe may be any of the allowed options of piping. However, the piping and joints shall be capable of withstanding the stress exerted by pushing the pipe within the casing.

C. Carrier Pipe Supports: Supports for the carrier pipe shall be as recommended by the manufacturer for such installation. Supports shall be spaced to adequately support the piping under surcharged sewage conditions.

D. Casing Seal: The annulus between the casing and carrier pipe shall be sealed at each end with a quick setting grout.

5.8 RELATION TO WATER MAINS:

A. Horizontal Separation: Whenever possible, sewers should be laid at least 10 feet, horizontally, from any existing or proposed water main. Should local conditions prevent a lateral separation of 10 feet, a sewer may be laid closer than 10 feet to a water main if:

1. It is laid in a separate trench.
2. It is laid in the same trench with the water mains located at one side on a bench of undisturbed earth.
3. In either case the elevation of the crown of the sewer is at least 18 inches below the bottom of the water main.

B. Vertical Separation: Whenever sewers must cross under water mains, the sewer shall be

laid at such an elevation that the top of the sewer is at least 18 inches below the bottom of the water main. When the elevation of the sewer cannot be buried to meet the above requirement, the water main shall be relocated to provide this separation or reconstructed with slip-on or mechanical-joint ductile iron pipe, or prestressed concrete cylinder pipe for a distance of 10 feet on each side of the sewer. One full length of water main should be centered over the sewer so that both joints will be as far from the sewer as possible.

C. Special Conditions: When it is impossible to obtain proper horizontal and vertical separation as stipulated above, the water main should be constructed of slip-on or mechanical-joint ductile iron pipe, or prestressed concrete cylinder pipe and the sewer constructed of mechanical-joint ductile iron pipe and both services should be pressure tested to assure water tightness.

5.9 CONTINUATION OF SERVICE

The existing wastewater system shall remain in operation during the duration of the project until such time it is no longer needed. Should removal of facilities from operation become necessary, a plan which will avoid or minimize pollution effects on any receiving stream and provide alternate service for wastewater facilities shall be reviewed and approved in advance by the Mississippi Department of Environmental Quality and shall be adhered to during construction.

Where shown on the plans or directed by the Engineer, new sewers shall be connected to existing sewers either by constructing a manhole over an existing line (doghouse) or by coring through the wall of an existing manhole.

6.0 TESTING

6.1 Ductile Iron Pipe:

A. Field Inspection: The Engineer shall perform visual inspection of the material prior to placement by the Contractor. The Engineer may make non-destructive tests to determine the soundness of the pipe. The Contractor shall assist the Engineer in handling and moving the pipe as required.

B. Material Test: Material test shall be conducted during the manufacturing process and the results shall be included as part of the submittals. No other material test shall be required.

6.2 PVC PIPING: Material test shall be conducted during the manufacturing process and the results shall be included as part of the submittal. No other material test shall be required.

6.3 STEEL CASING PIPE: Material test shall be included as part the submittal. No other material test shall be required.

6.4 BEDDING MATERIAL AND STABILIZATION MATERIAL: Test for gradation and

test for material passing the No. 40 sieve shall be as follows:

Gradation	- AASHTO T 88
Liquid Limit	- AASHTO T 89
Plasticity Index	- AASHTO T 90

One set of each test listed above will be required for every 500 cubic yards or major fraction thereof.

6.5 COMPACTION TESTS: Compaction tests shall be performed in accordance with AASHTO T191 and ASTM D 2922. Maximum compaction shall be determined in accordance with AASHTO T99.

CONTRACTOR shall establish a compaction method or pattern which results in the proper density for the material utilized in the backfill operation. CONTRACTOR shall verify the compaction method by testing each lift for density in the first run of pipe to be laid. Upon satisfactory performance and approval of the ENGINEER the established compaction method shall be used for compaction of each lift of similar material.

The CONTRACTOR shall provide additional density testing to verify the compaction effort; twice in random locations as selected by the ENGINEER every 1,500 linear feet of pipe, if there is a change in material, or if in the sole opinion of the ENGINEER the compaction effort is not yielding the proper results.

(Number of Compaction Tests)

AASHTO T-99	
AASHTO T-191	or
ASTM D 2922	
Select Backfill Material OR	
Stabilization Material	1
One per 100 CY	
Bedding Material	2
One per 600 LF	
Tamped Backfill	2
One per 600 LF	

6.6 INFILTRATION/EXFILTRATION/LAMP TEST: The Contractor shall provide all plugs, water supply, measuring devices, and all other equipment, material, labor and supervision to measure the infiltration and exfiltration tests as specified below. The Contractor shall perform the test in the presence of the Engineer. All gravity sewer pipe shall be tested in

accordance with the following applicable requirements.

A. Infiltration Test: The infiltration test shall be conducted between adjacent manholes. The outlet pipe on the downstream manhole shall be plugged and tested for water tightness to the satisfaction of the Engineer. The accumulated depth of water in the downstream manhole shall be read at 12 hour intervals for two (2) days and the infiltration rate calculated from the data obtained. Any section exceeding an infiltration rate of 200 gallons/day/inch diameter/mile shall be relayed at the Contractor's expense. This means that the Contractor shall locate and repair leaks as necessary to pass the infiltration test. Infiltration test shall be utilized only when ground water is above pipe.

B. Low Pressure Air Test: Air test shall be conducted in strict accordance with the manufacturer's instructions, including all recommended safety precautions. Equipment used for air testing shall be specifically designed for such and include a monitoring gauge with 0 to 5 psi with a minimum division of 0.1 psi and an accuracy of no less than 0.05 psi

1. Air testing shall be conducted for completed gravity sewer mains
2. After an internal pressure of 4.0 psi is obtained, allow at least 2 minutes for pressure to stabilize, adding only the amount of air necessary to maintain pressure. After stabilization period, adjust the pressure to 3.5 psi and valve off air supply.
3. Determine the minimum pressure holding time allowed for pressure to drop from 3.5 psi to 3.0 psi as shown on the table below.

Minimum Holding Time for Low Pressure Air Test

Nominal Pipe Size (inches)	Time per 100 ft.
6	42 sec.
8	1 min. - 12 sec.
10	1 min. - 30 sec.
12	1 min. - 48 sec.
15	2 min. - 6 sec.
18	2 min. - 24 sec.
21	3 min.
24	3 min. - 36 sec.
27	4 min. - 12 sec.
30	4 min. - 48 sec.
33	5 min. - 24 sec.
36	6 min.

C. Visual Test: Gravity sewer lines will be lamped and shall show a true line between manholes without defects in conditions, grade, or alignment. Any defective lines shall be subject to a closed-circuit television inspection performed at the Contractor's expense.

6.7 DEFLECTION TESTS: 100% of the PVC gravity sewer mains shall be tested 30 days after the final backfill has been in place by the following method:

Use a "Go-, no-go" mandrel which is sized to such dimensions that it will not "go" when encountering a deflection greater than 5%. The instructions for its use are as follows:

A. Completely flush the line making sure the pipe is clean of any mud or debris that would hinder the passage of the mandrel.

B. During the final flushing of the line, attach a floating block or ball to the end of the mandrel, pull rope and float the rope through the line. (A nylon ski rope is recommended)

C. After the rope is threaded through the line, connect the pull rope to the mandrel and place the mandrel in the entrance of the pipe.

D. Connect a retrieval rope to the back of the mandrel to pull it back if necessary.

E. By hand, remove all the slack in the pull rope and place a tape marker on the top at the end of the pipe where the mandrel will exit, determining the location of the mandrel in the line.

F. By hand, draw mandrel through the sewer lines. If any irregularities or obstructions are encountered in the line, they shall be corrected by the Contractor.

G. If a section with excessive deflection is found, locate it; dig down and uncover the pipe; if any damaged pipe is found, replace it; if pipe is not damaged, realign and thoroughly tamp haunching and initial backfill; replace remainder of backfill.

H. Re-test this section for deflection after 30 days from initial testing.

STANDARD SPECIFICATION
FOR LINING DUCTILE IRON PIPE
FOR SEWER SERVICE

1.0 Condition of Ductile Iron Prior to Surface Preparation

All ductile pipe and fittings shall be delivered to the application facility without asphalt, cement lining, or any other lining on the interior surface. Because removal of old linings may not be possible, the intent of this specification is that the entire interior of the ductile iron pipe and fittings shall not have been lined with any substance prior to the application of the specified lining material and no coating shall have been applied to the first six inches of the exterior of the spigot ends.

2.0 Lining Material

The Standard of Quality is Protecto 401 Ceramic Epoxy. The material shall be an amine cured novalac epoxy containing at least 20% by volume of ceramic quartz pigment. Any request for substitution must be accompanied by a successful history of lining pipe and fittings for sewer service, a test report verifying the following properties, and a certification of the test results.

A permeability rating of 0.00 when tested according to Method A of ASTM E-96-66, Procedure A with a test duration of 30 days.

The following test must be run on coupons from factory lined ductile iron pipe:

ASTM B-117 Salt Spray (scribed panel) - Results to equal 0.0 undercutting after two years.

ASTM G-95 Cathodic Disbondment 1.5 volts @ 77°F. Results to equal no more than 0.5mm undercutting after 30 days.

Immersion Testing rated using ASTM D-714-87.

20% Sulfuric Acid - No effect after two years.

140°F 25% Sodium Hydroxide - No effect after two years.

160°F Distilled Water - No effect after two years.

120°F Tap Water (scribed panel) - 0.0 undercutting after two years with no effect.

An abrasion resistance of no more than 3 mils (.075mm) loss after one million cycles using European Standard EN 598: 1994 Section 7.8 Abrasion Resistance.

3.0 Application

Applicator

The lining shall be applied by a certified firm with a successful history of applying linings to the interior of ductile iron pipe and fittings.

Surface Preparation

Prior to abrasive blasting, the entire area to receive the protective compound shall be inspected for oil, grease, etc. Any areas with oil, grease, or any substance which can be removed by solvent, shall be solvent cleaned to remove those substances. After the surface has been made free of grease, oil or other substances, all areas to receive the protective compounds shall be abrasive blasted using sand or grit abrasive media. The entire surface to be lined shall be struck with the blast media so that all rust, loose oxides, etc., are removed from the surface. Only slight stains and tightly adhering oxide may be left on the surface. Any area where rust reappears before lining must be reblasted.

Lining

After the surface preparation and within 8 hours of surface preparation, the interior of the pipe shall receive 40 mils nominal dry film thickness of Protecto 401. No lining shall take place when the substrate or ambient temperature is below 40 degrees Fahrenheit. The surface also must be dry and dust free. If flange pipe or fittings are included in the project, the lining shall not be used on the face of the flange.

Coating of Bell Sockets and Spigot Ends

Due to the tolerances involved, the gasket area and spigot end up to 6 inches back from the end of the spigot end must be coated with 6 mils nominal, 10 mils maximum using Protecto Joint Compound. The Joint Compound shall be applied by brush to ensure coverage. Care should be taken that the Joint Compound is smooth without excess buildup in the gasket seat or on the spigot ends. Coating of the gasket seat and spigot ends shall be done after the application of the lining.

Number of Coats

The number of coats of lining material applied shall be as recommended by the lining manufacturer. However, in no case shall this material be applied above the dry thickness per coat recommended by the lining manufacturer in printed literature. The maximum or minimum time between coats shall be that time recommended by the lining material manufacturer. **To prevent delamination between coats, no material shall be used for lining which is not indefinitely recoatable with itself without roughening of the surface.**

Touch-Up & Repair

Protecto Joint Compound shall be used for touch-up or repair in accordance with manufacturer's recommendations.

4.0 **Inspection and certification**

Inspection

All ductile iron pipe and fitting linings shall be checked for thickness using a magnetic film thickness gauge. The thickness testing shall be done using the method outlined in SSPC-PA-2 Film Thickness Rating.

The interior lining of all pipe barrels and fittings shall be tested for pinholes with a nondestructive 2,500 volt test. Any pinholes found shall be repaired prior to shipment.

Each pipe joint and fitting shall be marked with the date of application of the lining system along with its numerical sequence of application on that date and records maintained by the applicator of his work.

Certification

The pipe or fitting manufacturer must supply a certificate attesting to the fact that the applicator met the requirements of this specification, and that the material used was as specified.

5.0 **Handling**

Protecto 401 lined pipe and fittings must be handled only from the outside of the pipe and fittings. No forks, chains, straps, hooks, etc. shall be placed inside the pipe and fittings for lifting, positioning, or laying. The pipe shall not be dropped or unloaded by rolling. Care should be taken not to let the pipe strike sharp objects while swinging or being off loaded. Ductile iron pipe should never be placed on grade by use of hydraulic pressure from an excavator bucket or by banging with heavy hammers.

MANHOLES

1.0 GENERAL:

This item shall consist of furnishing all materials, labor, supervision, tools, equipment and incidentals for the construction of standard manholes, in accordance with the Contract Drawings and Specifications. Included in the work are structural excavation, backfill, and disposal of excess material.

2.0 APPLICABLE DOCUMENTS:

The following publications form a part of this specification and where referred to by basic designation only, are applicable to the extent indicated. The latest editions of the publications referenced shall apply to the work.

American Society for Testing and Materials (ASTM)

A 48/A48M	Standard Specification for Gray Iron Casting
C 39/C39M	Standard Specification for Test for Compressive Strength of Cylindrical Concrete Specimens
C 443	Standard Specification for Joints for Circular Concrete Pipe and Manholes Using Rubber Gaskets
C 478	Standard Specification for Precast Reinforced Concrete Manhole Sections
C 497	Standard Test Methods for Concrete Pipe, Manhole Sections, or Tile
C 2922	Density of Soil and Soil Aggregate in Place by the Nuclear Method (Shallow Depths)

American Association of State Highway and Transportation Officials (AASHTO):

M-198	Standard Specifications for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants.
T-99	Standard Method of Test for the Moisture-Density Relations of Soils Using a (2.5kg) Rammer and (305 mm) Drop.
T-191	Standard Method of Test for Density of Soil In-Place by the Sand-Cone Method.

3.0 SUBMITTALS

The following tests or data shall be submitted to the Engineer from the Contractor for approval prior to incorporation into the work:

3.1 Certificates: The Contractor shall furnish certificates from supplier certifying the products conform to the required specifications included herein for the following items:

- 3.1.1. Flexible Plastic Gaskets
- 3.1.2. Precast Manhole Bases
- 3.1.3. Precast Manhole Riser Sections
- 3.1.4. Manhole Steps
- 3.1.5. Manhole Frames and Covers (ASTM A 48)
- 3.1.6. Epoxy Grout

3.2 Catalogue Cuts or Brochures: The Contractor shall also submit catalogue cuts or product brochures providing descriptive data, recommended application and use, and installation procedure for the following items:

- 3.2.1. Manhole Frames and Covers
- 3.2.2. Epoxy Grouts
- 3.2.3. Manhole Steps

4.0 MATERIALS

4.1 Manhole Riser Sections: Manhole riser sections shall be precast reinforced sections conforming to ASTM C 478 and as shown on the Contract Drawings.

4.2 Joints: Joints for precast riser sections shall be concrete pipe type flexible plastic gaskets. Joint material shall be pre-formed conforming the requirements of AASHTO M-198. Installation shall be in accordance with manufacturer's recommendations.

4.3 Concrete Manhole Bases: Concrete manhole bases shall be precast or cast-in-place as follows:

4.3.1 Cast-In-Place Manhole Bases and Box Type Bases (if used): Concrete and reinforcing steel shall conform to the requirements of Technical Specifications - CONCRETE.

4.3.2 Precast Concrete Bases: Precast concrete bases shall conform to the requirements of ASTM 478 with reinforcing steel (size and spacing as indicated on the plans).

4.4 Manhole Steps: Manhole steps shall be plastic coated corrosion resistant with a minimum

design load of 300 pounds and shall be installed as shown on the Contract Drawings.

4.5 Cement Grout: Cement grout shall be high strength, non-metallic conforming to Corps of Engineers CRD-C-588. The grout shall be V-3 by W. R. Meadows, Inc., Masterflow 713 by Master Builders or equal.

4.6 Manhole Frame and Covers: Manhole frame and covers shall conform to ASTM A 48 as well as to the following requirements. All frame and covers shall be new when installed for the project and shall meet AASHTO H-20 loading condition.

4.6.1 Standard Manhole Cover and Frame - shall be as manufactured by Dews Foundry, Jackson Standard, Model DF-25 (7) or Vulcan Foundry, Model V-1115, 420 Pounds, marked "CITY OF HATTIESBURG SEWER", domestic origin, or equal.

4.6.2 Water Tight Manhole Cover and Frame - shall be as manufactured by Vulcan Foundry, Model V2357, or Dews Foundry, Model DF-25(7)W.T., 410 pounds with neoprene gasket, four 5/8 inch stainless steel bolts recessed into cover. Cover labeled "CITY OF HATTIESBURG SEWER", domestic origin, or approved equal.

4.7 Epoxy Grout: Epoxy Grout shall be high strength non-metallic, non-shrinking. The grout shall be as by EMBECO, Inc., SEAL-COAT or approved equal.

4.8 Drop Manholes: Concrete for drop manholes shall conform to the requirements of Technical Specifications - CONCRETE. Pipe and fittings shall be the same material and size as the incoming gravity sewer.

4.9 Flexible Connection: At all sewer connections to manholes, provide gasket flexible watertight connection that allows for differential settlement of the pipe and manhole wall. Bands, clamps and other metal accessories shall be of Series 304 stainless steel.

4.10 All manholes: All manholes shall be lined inside with a twenty (20) mil dry film thickness of an acceptable coal tar epoxy system.

5.0 CONSTRUCTION

5.1 Earthwork

5.1.1 General: Excavation shall be to the extent required to allow proper construction of the manhole. Shoring and sheeting shall be utilized where required by Federal, State and local codes and regulations for safe working conditions. In addition, shoring and sheeting shall be required to protect the integrity of adjacent structures or prevent adverse effects on surrounding areas. Dewatering shall be employed to the extent required to allow dry working conditions.

5.1.2 General Excavation: The Contractor shall "lay back" or employ shoring and sheeting as required to assure stability of the excavation. Material shall be stockpiled so as not to surcharge adjoining pipe trenches. Topsoil shall be separated so as to allow the maximum reuse in grassing operations.

5.1.3 Structural Excavation: The area immediately beneath the manhole bases shall be graded and compacted. Compaction shall be to 96% of maximum laboratory density as determined by AASHTO T 99. Should unsuitable material be encountered, the Engineer may direct that the area be over excavated and filled with stabilization material. Specification for stabilization material and payment for such shall be in accordance with Technical Specifications.

5.1.4 Backfilling: Backfill material shall consist of select backfill in accordance with Technical Specifications. Backfilling shall be uniformly placed around the structure in 10-inch layers and be compacted to 90% of maximum density to full depth in unimproved areas. Backfill in paved areas and within five feet to any edge of pavement shall be compacted to 95% of maximum laboratory density in 6-inch layers to the subgrade line. Refer to Technical Specifications.

5.1.5 Salvage: Manhole frames and covers removed during excavation shall remain the property of the Owner and shall be delivered to a location designated by the Owner. All other items removed shall be disposed of by the CONTRACTOR at his expense.

5.2 Riser Installation: Precast concrete riser sections shall be installed plumb and in accordance with the details shown on the Contract Drawings. Joints shall be installed in accordance with manufacturer's recommendations.

The manhole invert channels shall be formed in the bases, smooth and semi-circular in shape conforming to the inside of the adjacent sewer section. Changes in the direction of flow shall be made with a smooth curve of as large a radius as the size of the manhole will permit. Changes in size and grade of the channels shall be formed directly in the concrete of the manhole base. The joint between the base and riser section shall be sealed with epoxy grout. Clean pea gravel shall be used as the epoxy grout filler.

Standard manhole cut-outs and lifting holes shall be sealed with epoxy grout.

5.3 Cast-In-Place Concrete: Bases, flat tops, and drop manhole risers shall be constructed in accordance with Technical specifications - CONCRETE.

5.4 Manhole Steps: Manhole steps shall be installed during the manufacturing of the riser or cone sections. Risers and cones shall be joined so the steps are vertically aligned.

5.5 Manhole Frame and Covers: Manhole frame and covers shall be set and grouted in place

with cement grout. For manholes located in roads or streets, the manhole cover shall be flush with pavement or surface course.

6.0 TESTING

6.1 General: The Contractor shall conduct (and bear the cost of) all testing (Laboratory Approved by the Owner) as directed by the Engineer and furnish results of such tests prior to incorporating the material into the work. All testing is subsidiary to Manhole Payment Items.

6.1.1 Cast-In-Place Concrete Items: The concrete quality testing for manhole bases, drop manholes, and valve boxes shall be tested in accordance with Technical specifications - CONCRETE.

6.1.2 Manhole Risers and Precast Concrete Bases: Manhole risers and precast concrete bases shall be tested for concrete compressive strength. If the place of manufacture is local and reasonably available to the Engineer, Paragraph (a) shall be followed for testing requirements. Should the place of manufacture not be available, Paragraph (b) shall apply.

The contractor shall prepare (in the presence of the Engineer) standard rodded concrete cylinder or cylinders compacted and cured in a similar manner to the manhole sections. Concrete for such cylinders shall be typical fresh concrete mix drawn from the actual casting operation of a riser or base. Cylinders shall be tested in accordance with ASTM C 39. The average compressive strength shall be equal to or greater than the specified design strength (4000 psi). Not more than 10% of the cylinders shall fall below the design strength (4000 psi). In no case shall any cylinder tested fall below 3200 psi. Number of such cylinder tests shall be as follows:

6.1.2.1 One set of cylinders for each day's run castings or

6.1.2.2 One set of cylinders for each 200 linear feet of riser sections manufactured.

6.1.2.3 One set of cylinders per 20 bases or flat tops manufactured.

The Engineer may require additional tests should compressive test results fail.

6.1.3 Earthwork Test: Maximum laboratory density shall be measured in accordance with AASHTO T-99. Field densities shall be determined in accordance with AASHTO T-191 or ASTM D 2992. Standard proctors and field densities shall be performed in accordance with the following schedule.

Standard proctor tests shall be required for earthwork associated with manhole construction. At least two (2) field density tests shall be conducted for earth work associated with each manhole construction.

6.1.4 Inspection for Watertightness: All manholes shall be inspected for watertightness prior to placing into service.

RESTORATION OF ROADS, DRIVEWAYS, FENCES

LAWNS AND OTHER GRASSED AREAS

1.0 GENERAL

The work under this item of work shall consist of furnishing all necessary materials, labor, supervision, tools, equipment and incidentals for the restoration of roads, driveways, fences, lawns and other grassed areas so as to provide satisfactory repair to all damage caused by general construction work. It is the intent of this Specifications to restore all such features to the general conditions that existed prior to construction activity insofar as practical. It is not the intention of this Specification that trees, which must be cut and removed, be restored. The Contractor is expected to be familiar with the overall area and be satisfied as to the materials required and level of effort needed to accomplish such restoration in accordance with this Specification.

2.0 APPLICABLE PUBLICATIONS

The following publications form a part of this specification and where referred to by basic designation only, are applicable to the extent indicated. The latest editions of the publications referenced shall apply to the work:

American Association of State Highway and Transportation Officials (AASHTO).

- T 99 Standard Method of Test for the Moisture Density Relations of Soils Using a 5.5 lg. (2.5 kg) Rammer and a 12-inch (305 mm) Drop.
- T 167 Compressive Strength of Bituminous Mixture
- T 191 Standard Method of Test for Density of Soil In-Place by the Sand-Cone Method
- T 230 Determining Degree of Pavement Compaction of Bituminous Aggregate Mixtures

American Society for Testing and Materials (ASTM)

- D 2922 Density of Soil and Soil Aggregate in Place by the Nuclear Method (Shallow Depths)

Mississippi Department of Transportation (MDOT)

Standard Specifications for Road and Bridge Construction, Current Edition.

Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD)

3.0 SUBMITTALS

3.1 Mix Designs: Design mix will be provided by Contractor and approved by Engineer prior to production of asphalt.

4.0 MATERIALS

4.1 Subbase and Base Courses: Subbase and base courses under paved areas shall be as specified in MDOT Specification Section 301.

4.2 Prime Coat: Prime coat shall consist of Grade MC-30 or Grade MS-70 in accordance with the applicable requirements of MDOT Specification Section 702.

4.3 Bituminous Pavement: Bituminous Pavement for roadway and parking areas, wearing and binder courses, shall consist of a mix in accordance with MDOT Specifications Section 403. Materials shall conform to the following subsection of MDOT Specifications Sections 702 and 703.

A. **Hot Mix Asphalt All Sizes:** Mississippi Standard Specifications for Road and Bridge Construction, Latest Edition

B. **Topsoil:** Topsoil shall be in accordance with Technical Specifications – SEEDING AND SODDING.

C. **Seeding and Sodding:** Seeding and sodding operations shall be in accordance with Technical Specifications - SEEDING AND SODDING.

5.0 CONSTRUCTION

5.1 Maintenance of Traffic: Prior to limiting or restricting traffic on any street or road, the Contractor shall obtain permission from the Engineer. Through or local traffic shall at all times be accommodated by the use of temporary approaches, crossings or detours (if allowed by the Engineer). Satisfactory (to the Property Owner) ingress and egress to any public or private property shall be properly maintained. Proper barricades, signs and detour signs shall be provided by the Contractor to adequately warn motorists of obstructions ahead. Lighted (flashing) barricades shall be used at night.

Flagmen shall be provided to direct traffic around equipment and for one way movement of

traffic around equipment and for one way movement of vehicles. The Contractor may have to stop construction and restore full traffic during certain rush hours.

The Contractor shall at all times (unless otherwise permitted in writing by the Engineer) maintain open one lane to traffic during construction operations and restore roadways to two-way traffic during non-construction hours. All traffic shall be maintained in accordance with the MUTCD, current Edition.

5.2 Repair of Asphalt/Concrete Streets/Driveways/Parking Lots:

A. Removal and Earthwork: The existing asphalt pavement shall be uniformly saw cut on straight lines and the material shall be removed. Other methods of cutting the existing asphalt surface which will result in a uniform straightedge similar to a sawed cut may be acceptable. Upon completion of the pipe laying, select backfill shall be placed in the excavation in maximum 8-inch lifts and compacted to at least 90% of maximum laboratory density to within one foot of the top subgrade and to 95% of maximum laboratory density in the upper one foot of the subgrade.

Maximum density of typical select backfill material shall be determined in accordance with AASHTO T 191 or ASTM D 2922. Portable mechanical tampers or vibratory compactors shall be used in the trenches. Rollers may be used at street level. Existing base and asphalt surfaces which become undermined during construction shall be removed until firm undisturbed subgrade is reached.

A. Select Fill: Class 9, Group “C” Modified for a PI of between 5 and 15 as per latest Edition of Mississippi standard specifications for Road and Bridge construction

B. Asphalt Repair: Temporary Asphalt repair shall be made using 3" thickness of 825 crushed stone.

C. Concrete Repair: Concrete repair shall be made using 3,000 psi concrete meeting Technical Specifications - CONCRETE

D. Prime Coat: Prime coat shall be applied to exposed existing base material prior to overlay with asphaltic base course in accordance with MDOT Specification Section 408.

F. Tack Coat: Tack coat shall be applied to existing or new asphaltic wearing course and asphaltic base, or concrete which is to require asphalt wearing course.

G. Asphalt Wearing Course: Placement and compaction of the bituminous pavement shall be in accordance with MDOT Specification Section 403.03.

E. Utilities: All utility covers excavated during removal of streets, driveways, parking lots shall be restored to finished grade.

5.3 Driveways and Sidewalks: Driveways and sidewalks shall be repaired in similar manner to the original construction. Asphalt drives shall be saw cut where required and repaired in accordance with Paragraph (b) of this Specification. Concrete drives shall be saw cut or removed to the next joint. The minimum thickness for concrete driveway repair is 7 inches and for sidewalks is 4 inches.

Concrete surfaces shall be properly tooled and receive a broom finish. Installation (if required) of new driveway drainage culvert shall be made only at the direction of the Engineer. The Contractor shall take all reasonable precautions to allow for reuse of existing drainage culverts.

5.4 Repair to Gravel Roads: Gravel roads shall be backfilled and compacted in accordance with Paragraph (B) of this Specification. The final surface shall consist of 12-inch in-place compacted clay gravel. Compaction shall be to 100% of maximum laboratory density in accordance with AASHTO T99.

5.5 Repair to Lawns:

A. General: The Contractor shall exercise extreme care to minimize damage to improved lawns. Trees and shrubs within the limits of work shall be removed only for essential construction requirements. Any shrubs, which are removed or damaged, shall be replaced by satisfactory (to the Property Owner) planting by the contractor. Any grass seed areas, roads, streets, driveways, culverts, fences, water lines, metal boxes or other items (excluding trees unavoidably cut) which are damaged by the Contractor, shall be satisfactorily restored by Contractor. Acceptance of improved lawn repairs shall be based on the firm establishment of live stand of grasses and live growth of any replanted and acceptable shrubs. The Contractor shall water and fertilize such areas until healthy growth of grass (and shrubs, if applicable) are attained.

B. Grading: The surface areas shall receive finish grading so the finish topsoil surface (after settlement) will meet the existing contour grade of the area prior to construction. The natural drainage during and after construction shall not be altered so as to cause adverse effects to adjoining properties.

C. Topsoil: The Contractor shall strip topsoil and sod and stockpile for later use. Upon completion of trenching over the area. Additional topsoil shall be furnished if required (at no additional cost) to provide a uniform thickness of 3 inches. Lime at a rate of 1 - ½ tons per acre and fertilizer (13-13-13) at a rate of 800 pounds per acre shall be applied as needed to further establish grass growth.

D. Grassing: Grass seed, sprigs, or sod similar to the existing lawn grasses shall be planted in accordance with the supplier's recommendations. Winter cover grasses such as rye grass shall be applied (in addition to planting the permanent grasses) if seeding, sprigging, or sodding is done at a time of year when the permanent grasses will not actively grow. The type (s) of permanent grasses shall be the same as the grass (es) in the damaged lawns. If the lawn repairs are accomplished between September 1 and March 1, the Contractor shall continue the restoration

work during the next period of March 15 and April 5 and mow the grass and continue the restoration until satisfactory growth of the permanent grass (es) is obtained. Such additional restoration work shall include the 1 - ½ tons of lime per acre, application of 13-13-13 fertilizer at a rate of 800 pounds per acre and replanting and watering permanent grass as necessary to obtain satisfactory (to Engineer) growth. No time will be charged against the Contract Time for any such additional restoration work.

Sodding: Sodding shall be in accordance with Technical Specifications: - Seeding and Sodding

5.6 Erosion Control: During all phases of construction, the Contractor shall adequately protect all work from adverse erosion. Soil shall not be allowed to flow off the limits of work area. The Contractor shall employ the use of ditch checks, matting, temporary grass cover, blankets, or other measures to control erosion. The Contractor shall be responsible to correct damage caused by erosion. During the construction of this project, all work areas will be strictly monitored. All trench lines will be kept in excellent condition, all streets and drives will receive careful maintenance, keeping potholes and settled areas filled in. Dust control is essential and will also be strictly monitored.

5.7 General Grassing of Unimproved Areas

A. General: The Contractor shall seed and establish grass growth in all disturbed areas in unimproved areas (to include pastures and roadsides). Acceptance of the grass cover shall be based upon the firm establishment of a live stand of grass. The contractor shall water such grass if natural rainfall fails to adequately provide moisture. On slopes and other areas subject to erosion, grassing shall be accomplished as soon as practical (within 48 hours unless weather is prohibiting) after finish grading operations.

B. Grading: The surface area shall receive finish grading so the finish topsoil surface (after settlement) will meet the existing contour grade of the area prior to construction. The natural drainage during and after construction shall not be altered so as to cause adverse effects to adjoining properties.

C. Topsoil: The Contractor shall remove existing topsoil and stockpile for later use. Upon completion of backfilling (to establish contours as before construction), the topsoil shall be uniformly spread back over the area. The Engineer may require additional topsoil be furnished by the Contractor at no expense to the project, if in the opinion of the Engineer, adequate provisions and efforts were not made by the Contractor to stockpile and re-use existing topsoil material.

D. Fertilizer and Agricultural Limestone: The Contractor shall uniformly apply 800 lbs. per acre of 13-13-13 fertilizer and also apply two (2) tons per acre of agricultural limestone to the area to be seeded. The fertilizer and limestone shall be tilled into the soil to a depth of four (4) inches.

E. Mulch Cover: Erosion prone areas such as steep slopes and highway shoulders shall receive a layer of loose straw mulch or equivalent at the rate of one and one-half (1-1/2) tons per acre. The mulch cover shall be established by the application of an emulsified asphalt or by "crimping" parts of the material into the soil.

5.8 Miscellaneous Items: Items such as fences, gates, paved ditches, and other items shall be replaced or repaired as required for restoration. Should additional fencing material be required, new post and new wire of similar size, type and gauge shall be provided and installed.

5.9 General Care: Reasonable care shall be taken during construction to avoid damage to vegetation. Ornamental shrubbery and tree branches shall be temporarily tied back, where appropriate, to minimize damage. Trees, which do not have to be removed in the opinion of the Engineer, and which receive damage to branches shall be trimmed of those branches to improve the appearance of the tree. Tree trunks receiving damage from equipment shall be treated with a tree dressing.

6.0 TESTING

6.1 General: All sampling and testing shall be accomplished by the testing laboratory approved by the Owner and employed by the Contractor to perform such services. Results shall be immediately forwarded to the Engineer by the Contractor.

6.2 Earthwork: Earthwork directly involved with road and street repair shall be tested as follows:

A. Moisture Density Relationship (Standard Proctors): Two tests of sampled native material shall be required. Tests shall be in accordance with AASHTO T 99.

B. Field Density: A minimum of two and a maximum of four field density tests shall be required. Density tests shall be in accordance with AASHTO T 191 or ASTM D 2922.

C. Topsoil: Two pH tests and two organic content tests (wet combustion method) will be required.

SEEDING AND SODDING

1.0 DESCRIPTION

This item consists of furnishing all labor, supervision, materials, tools, incidentals and equipment and performing all work for topsoiling, tilling, fertilizing, seeding, watering, and otherwise establishing, protecting and maintaining seeded and sodded areas as required by the Contract Drawings and these specifications, and including repair, refertilizing and reseeding as required until final inspection and acceptance of the project.

2.0 SUBMITTALS

Certificates for fertilizer, limestone, seed.

3.0 MATERIAL

3.1 Topsoil: Topsoil shall be the surface layer of soil that is stockpiled by the Contractor during stripping and/or excavation on the site. The topsoil shall be free of subsoil, clay, lumps, stones, brush or seed. Topsoil shall have a pH value of not less than 4.5 nor more than 8.0.

3.2 Lime: Lime shall be ground limestone containing not less than 80% of total carbonates and shall be ground to such fineness that 80% will pass through a No. 10 mesh sieve and 40% will pass through a No. 40 mesh sieve.

3.3 Fertilizer: Fertilizer shall be water soluble commercial carriers of available plant food elements or combinations thereof, as stated herein and shall conform to the applicable state fertilizer laws. They shall be uniform in composition, dry, and free flowing materials in condition for application by suitable equipment. The fertilizer shall be delivered in standard bags or other convenient standard containers, each fully labeled with manufacturer's guaranteed analysis. Any fertilizer shall contain not less than the percentages by weight of the ingredients set out as follows: (1) Nitrogen, 13% (2) Phosphorous P O, 13%, (3) Potash K C, 13%. Invoices for fertilizer will show the kind and have analysis furnished.

3.4 Seed: Seeds with a minimum pure live seed content of 90% shall be used. They shall be of the best grade and of known vitality, purity, and germination and shall be delivered in containers bearing seed tags as required by law showing percentages of germination content and purity of seed as well as percentages of weed seed content.

All seeds shall be free of wild onion, Canadian thistle, Johnson grass, crab grass or other seeds of noxious weeds. All seeds shall be furnished in standard containers, or as acceptable to the Engineer. Seed which has become wet, moldy or otherwise damaged in transit or storage will not be acceptable.

Purity, Germination and Planting Schedule

Spring and Summer Seeding (March 1 to September 1)

<u>Name</u>	<u>Percent Purity</u>	<u>Percent Germination</u>	<u>Mix (Dry Wt. Lbs.) Per Acre</u>
Hulled Bermuda	95	90	20
Pensacola Bahia	95	90	30

TOTAL 50
Fall and Winter Seeding (September 1 to March 1)

<u>Name</u>	<u>Percent Purity</u>	<u>Percent Germination</u>	<u>Mix (Dry Wt. Lbs.) Per Acre</u>
Unhulled Bermuda	95	90	20
Pensacola Bahia	95	90	30
Rye	95	85	15
Crimson Clover	95	85	8

TOTAL 73

Seeding in Existing Lawns: Grass seeds for existing lawns shall be the same as the existing grass.

3.5 Leguminous Inoculants: Inoculation media containing live nitrogen-fixing bacteria shall be supplied with all legume seed. The inoculants shall be standard, pure culture of nitrogen-fixing bacteria. Each kind of legume will require a cultural bacteria that is adapted to that particular kind of seed. The bacteria shall be supplied in convenient containers of a proper size to treat the amount of seed to be planted. The legume seeds shall be treated according to the directions, and before the expiration date for use of the media shown on the container.

3.6 Soil for Repairs: For fills or areas to be repaired, soil shall be topsoil of a least equal quality to that which exists in areas adjacent to the area to be repaired.

3.7 Water: Water shall be free from oil, acid, alkali, salt, and other substances harmful to growth of grass, and shall be from a source accepted prior to use.

3.8 Solid Sod: Bermuda or Carpet Grass and shall be native to the locality of the work and shall, when placed be live, fresh, growing grass with at least two and one-half (2 ½) inches of soil adhering firmly to the roots. The sod shall be reasonably free from obnoxious weeds or other

grasses, and shall not contain any matter deleterious to its growth; or which might affect its subsistence or hardness when transplanted. The sod shall be in blocks at least 3" x 8", and free from ragged edges.

4.0 INSPECTION AND TESTS

4.1 Fertilizer and Limestones: Duplicate copies of material invoices shall be furnished to the Engineer. Invoices shall show quantities and grade of fertilizer, quantity of limestone, percentages of calcium carbonate and magnesium carbonate, as applicable, and the percentages of limestone that pass the No. 40 and the No. 10 mesh sieves. Samples of each lot of fertilizer and limestone shall be furnished for testing. Upon completion of project a final check of total quantities of fertilizer and limestone used will be made against total area treated, and if minimum rates of application have not been met, additional quantities of these materials to make up minimum application specified shall be distributed.

4.2 Seed: Contractor shall furnish to the Engineer duplicate signed copies of statement(s) from vendor(s), certifying that each container of seed delivered is labeled in accordance with Federal Seed Act and is at least equal to requirements specified therein. This certification shall be obtained from vendor and shall be furnished before application.

5.0. PREPARATION OF GROUND SURFACE

5.1 General: Equipment, in good operating condition, shall be used for the proper preparation of the ground and for handling and placing all materials. Equipment shall be acceptable before work is started.

5.2 Topsoiling: Topsoil shall be obtained from job site stockpiles formed during stripping and/or excavation operations and shall be free from subsoil, clay lumps, stones, brush, grasses or weeds, excess acids or alkali, or any other material to subsequent, smooth, grading, planting, and maintenance operations.

The topsoil shall be evenly spread on tilled areas to a uniform depth of at least 3 inches after compaction. Spreading shall be performed so that seeding can proceed with a minimum of soil preparation or tilling. After preplanting fertilization is completed, the topsoil shall be compacted by rolling with a cultipacker or by other approved means.

Rehabilitation of the stockpile areas shall include returning the area to near pre-construction conditions, including seeding of the area to re-establish the growth of grass.

5.3 Grading: Previously established grades shall be maintained on the areas to be treated in a true and even condition; necessary repairs shall be made to previously graded areas by means of graders or other approved equipment.

5.4 Tillage: After the areas required to be treated have been brought to the grades shown, the

soil shall be tilled to a depth of at least 4 inches by plowing, disking, harrowing, or other acceptable operations until the condition of the soil is acceptable. The work shall be performed only during period when beneficial results are likely to be obtained. When drought, excessive moisture, or other unsatisfactory conditions prevail, the work shall be stopped when directed. Undulations or irregularities in the surface shall be leveled before the next specified operation.

6.0 APPLICATION OF FERTILIZER AND LIMESTONE

6.1 Preplanting fertilization of areas to be seeded: Fertilizer shall be distributed uniformly at a rate of 800 pounds per acre over areas to be seeded and shall be mixed into the soil to a depth of at least 4 inches by disking, harrowing, or other acceptable methods. Application of fertilizer may be part of the operation specified in Section 5.4: TILLAGE of this specifications.

6.2 Liming: Immediately following or simultaneously with incorporation of fertilizer, limestone shall be distributed uniformly at a rate of 4000 pounds per acre, and shall be mixed into the soil to a depth of at least 4 inches by disking , harrowing, or other acceptable methods. Application of limestone along with fertilizer may be part of the operation specified in Section 5.4: TILLAGE of this specifications.

6.3 Leveling: Surface irregularities resulting from tillage, fertilizing, liming, or other operations shall be leveled before seeding.

6.4 Postplanting fertilization: From 40 to 60 days after seeding, ammonium nitrate or its nitrogen equivalent shall be applied uniformly at a rate of 225 pounds per acre over areas seeded. Fertilizer shall be applied when grass blades are dry to minimize burning. The planted area shall be watered to thoroughly moisten the upper 6 inches of the soil surface after the fertilizer is applied.

7.0 PLANTING SEED

7.1 General : A satisfactory method of sowing shall be employed, using approved mechanical power-drawn drills or seeders, or other approved methods. When drills are used, markers or other means shall be provided to insure that the successive seeded strips will overlap or be separated by a space no greater than 6 inches. When delays in operations extend the work beyond the most favorable planting season for species designated or when conditions are such by reason of drought, high winds, excessive moisture, or other factors that satisfactory results are not likely to be obtained, work shall be halted as directed and resumed only when conditions are favorable or when approved alternate or corrective measure and procedures have been effected. If inspection during or after seeding operations indicates that strips wider than 6 inches have been left unplanted or other areas skipped, additional seed shall be sown.

7.2 Broadcast Seeding: Seeding shall be broadcast either by hand or with acceptable seeding equipment, in combination with fertilizer, or with other acceptable sowing equipment. Seed shall be distributed uniformly over designated areas. Half of the seed shall be sown with sower moving

at right angles to first sowing. Seed shall be covered to an average depth of 1/4 inches by brush harrow, spiketooth harrow, chain harrow, cultipacker, hand rake with wood tines, or other approved device. Seed shall not be broadcast during windy weather.

7.3 Drill Seeding: Drill seeding shall be accomplished with approved equipment with drills set not more than 6 inches apart. Seed shall be sown uniformly over designated areas to average depth of 1/4 inch.

7.4 Sodding: All solid sod shall be procured areas where the soil is fertile and contains a high percentage of loamy topsoil, and from areas that have been grazed or mowed sufficiently to form a dense turf.

Mechanical devices, such as sod cutter, may be used for cutting the sod into strips or blocks. Care shall be exercised at all times to retain the native soil on the roots of the sod during the process of excavating, hauling and planting.

The solid sod blocks shall be transplanted within 24 hours from the time of cutting, unless they are stacked, to their destination in a manner satisfactory to the Engineer. All solid sod in stacks shall be kept moist and protected from exposure to the air and sun, and from freezing. In no event shall more than two (2) days elapse between the cutting and planting of the solid sod.

Solid sod shall be planted during the period between March 1st and December 15th, unless written permission is given by the Engineer to extend the planting season. The solid sod shall be placed on the prepared surface with the edges in close contact. All cracks between blocks of solid sod shall be closed with small pieces of fresh sod, and all cracks too small for sod shall be filled by a light dressing of topsoil. The entire sodded area shall then be compacted and watered to the satisfaction of the Engineer. Rollers, hand tamps or other approved equipment may be used for compacting.

Surfaces of solid sodding which, in the opinion of the Engineer, may slide due to the height and slope of the surface or nature of the soil, shall, upon direction of the Engineer, be "pegged" with wooden pegs driven through the sod blocks into firm earth, sufficiently close to hold the sod in place.

8.0 MAINTENANCE

Seeded areas shall be maintained until all work or designated portions thereof have been completed and accepted. Tall grass and weeds that tend to impede the desired grass species shall be mowed, and any damage resulting from these operations shall be repaired at the Contractor's expense.

9.0 ESTABLISHMENT OF GROWTH

9.1 General : The Contractor shall be responsible for proper care of seeded areas while grass is becoming established for three (3) months after completion of treatment on the entire project, unless desired cover is established in a shorter period of time and the Owner shortens responsibility period. The Contractor shall be responsible for providing a satisfactory stand of grass. A satisfactory stand of grass is determined as a cover of living grass in which gaps larger than 12 inches square do not occur as determined by an acceptance inspection made at the end of the maintenance period. Maintenance work shall be performed at the Contractor's expense.

9.2 Mowing: Seeded and sodded areas shall be mowed with acceptable mowing equipment to a height of about 4 inches when average height of grass becomes about 8 inches. When amount of cut grass is heavy, grass shall be removed to prevent destruction of underlying turf. If weeds or other undesirable vegetation threatens to impede the growth of planted species, such vegetation shall be mowed, or in case of excessive growth, shall be uprooted, raked and removed from area.

9.3 Refertilizing: The Contractor will determine areas needing refertilization at least 15 days before application is required. Fertilization shall be distributed on designated area during periods when grass is dry. 13-13-13 grade fertilizer shall be applied uniformly at a rate of 800 pounds per acre. Fertilizer conforming to physical condition, packaging and marking as specified herein before shall be provided.

9.4 Reseeding: The Contractor will determine areas requiring reseeding at least 15 days before period specified for reseeding. Seed specified hereinbefore shall be drilled at rates hereinbefore specified, in a manner that will cause minimum disturbance to existing stand of grass, and at an angle of not less than 15 degrees from direction of previously seeded rows.

CONCRETE

1.0 GENERAL

- A. This item shall consist of furnishing all materials, labor, supervision, tools, equipment and incidentals and performing all forms of work; furnishing and placing reinforcement, inserts and anchors; mixing, placing, curbing, and furnishing of portland cement concrete.
- B. The work includes, but is not necessarily limited to manholes, pumping stations, lift stations, driveways, and minor concrete work.

2.0 APPLICABLE DOCUMENTS

The following publications form a part of this Specification and where referred to by basic designation only, are applicable to the extent indicated. The latest editions of the publication referenced shall apply to the work.

A. American Society for Testing and Materials (ASTM):

- A 615 Billet Steel for Concrete Reinforcement
- C 31 Making and Curing Concrete Compressive and Flexural Strength Test Specimens in the Field
- C 33 Concrete Aggregates
- C-39 Compressive Strength of Molded Concrete Cylinders
- C 143 Slump of Portland Cement Concrete
- C 150 Portland Cement

B. Mississippi Department of Transportation (MDOT):

Standard Specifications for Road and Bridge Construction, Latest Edition.

3.0 SUBMITTALS:

The following data shall be submitted to the Engineer for review prior to incorporation into the work:

- A. Letter from the manufacturer certifying the concrete mix conforms to the requirements for Class B concrete as defined in Section 804 of the MDOT Standard Specifications for Road and Bridge Construction.

B. Letter of certificate from the manufacturer certifying that the reinforcing steel conforms to the herein specified requirements.

4.0 MATERIALS:

A. General: The concrete shall be ready-mix concrete manufactured by a plant for delivery to the site of the work in a plastic state. The Contractor may batch the concrete at the work site by use of portable mixers providing the following requirements are met:

1. Facilities shall be provided to properly weight, proportion and control the components of the concrete mix.

2. The mixer(s) shall be of such capacity so as to allow the complete placement of the plastic concrete mix prior to the initial set of any portion of the particular concrete pour.

B. Concrete Mix: The concrete materials and mix design, shall conform to the requirements for Class B concrete Section 804, MDOT Standard Specifications for Road and Bridge Construction. The compressive strength of the concrete shall be a minimum of 3000 psi at 28 days, or earlier. Type I Portland Cement shall be used in the mix, except where otherwise specified or permitted. Prior to producing any concrete for cast-in-place construction on the project, the Contractor shall submit to the Engineer the proposed mix design and shall obtain Engineer's approval of the mix design.

C. Reinforcing Steel - shall be new stock, deformed bars conforming to ASTM A 615, Grade 40 or Grade 60.

D. Curing Material - shall consist of wetted burlap, wetted cotton mats, plastic sheeting, or an approved liquid membrane material which will satisfactorily keep the new concrete in a moist condition for at least seven (7) days.

5.0 CONSTRUCTION:

A. Weather Limitations: Concrete shall be placed when the atmospheric temperature is a Minimum of thirty-five (35) degrees F. and rising. Newly placed concrete shall be protected from cold temperatures for at least four (4) days at a temperature of not less than forty (40) degrees F.

B. Forms: Forms shall be securely anchored in place and properly aligned. Wood forms shall be oiled prior to placement of fresh concrete mix.

C. Reinforcement: Reinforcing bars shall be securely mounted by the use of chairs or other approved methods so as to not become displaced during placement of concrete mix. The positioning of reinforcing by working the bars into the newly placed concrete mix shall not be allowed.

D. Placement: The plastic concrete mix shall be worked (and vibrated if required) into the formwork. The mix shall be consolidated so as to remove all voids and finished to form a true and level surface.

E. Curing: The hardened concrete shall be kept moist by the use of curing materials for a minimum of seven (7) days.

F. Slump Requirements: The following slump requirement shall apply:
Class B Concrete 2-4 Inches

G. Chamfered Corners: All exposed corners shall be chamfered one (1) inch or as indicated.

H. Finish:

1. All surfaces shall be "floated" to provide a uniform and level surface. Defects (honeycombs, ties, etc.) shall be repaired. No rubbing shall be required.

2. Sidewalks, driveways and other surfaces subject to pedestrian traffic shall be floated as noted in paragraph 1 above and shall receive a "broom" finish.

6.0 TESTING

The following test shall be required:

A. Slump: The Contractor shall test the concrete mix for conformance to the slump requirements as required. Test shall be in accordance with ASTM C 143.

B. Compressive Strength: The Contractor shall sample the concrete mix and prepare test cylinders for conformance to the compressive strength requirements. The Contractor shall transport the cylinders to the testing laboratory (employed by the Contractor) and have the cylinders tested in accordance with ASTM C 31 and C 39. The results of such test shall be forwarded to the Engineer. Test shall be performed at the following schedule.

One test per 15 cubic yards or major fraction thereof. A minimum of one test for each day of mixing shall be performed.

DUCTILE IRON WATER SYSTEMS

1.0 GENERAL

This item shall consist of furnishing all of the necessary materials, supervision, labor, tools, equipment and incidentals, and the installation of various types and sizes of water pipe and related items in accordance with the Contract Drawings and Specifications, as stated in the Proposal.

2.0 APPLICABLE PUBLICATIONS

The following publications form a part of these Specifications and where referred to by basic designation only, are applicable to the extent indicated. The latest editions of the publications referenced shall apply to the work.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

- A 139 Electric-Fusion (Arc) welded steel pipe (sizes 4 inch and over).
- A 252 Welded and Seamless steel pipe piles.
- C 31 Making and Curing Concrete Compressive and Flexural Strength Test Specimens in the Field.
- C 33 Concrete Aggregates
- C 39 Test for Compressive Strength of Cylindrical Concrete Specimens.
- D 2922 Density of Soil Aggregate in place by the clear Method (shallow depths).

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

- 21.10 Gray Iron and Ductile Iron Fittings, 3 inch through 48 inch for Water and other Liquids.
- 21.11 Rubber Gasket Joints for Cast Iron and Ductile Iron Pressure Pipe and Fittings.
- 21.50 Ductile Iron Pipe, Centrifugally Cast in Metal Molds or Sand-line Molds, for Water or other Liquids.

AMERICAN WATER WORKS ASSOCIATION (AWWA)

- C 104 Cement-Mortar Lining for Cast Iron Pipe and Fittings for Water and Other Liquids.
- C 106 Cast Iron Pipe Centrifugally Cast in Metal Molds, for water and other Liquids.

C 110 Gray Iron and Ductile Iron Fittings, 3 inch through 48 inch, for Water and Other Liquids.

C 111 Rubber Gasket Joints for Cast Iron and Ductile Iron Pressure Pipe and Fittings.

C 150 Ductile Iron Pipe, Centrifugally Cast in Metal Molds or Sand-Lined Molds, for Water or other Liquids.

AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS (AASHTO)

T-88 Particle Size Analysis of Soils.

T-89 Determining the Liquid Limit of Soils.

T-90 Determining the Plastic Limit and Plasticity Index of Soils.

T-99 Moisture Density Relations of Soils Using a 5.5 lb. Rammer and 12 inch Drop.

T-191 Density of Soil In-Place by the Sand-Cone Method.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Standard Specifications for Road and Bridge Construction, Latest Edition.

3.0 SUBMITTALS

The following submittals shall be required for the respective materials used in the work. All submittals shall be submitted through the Contractor to the Engineer.

3.1 Ductile Iron Pipe: The following submittals shall be required for ductile iron pipe systems utilized on the project. The Contractor shall furnish manufacturer's certificates certifying that the pipe and fittings conform to the requirements as Specified hereinafter under Article 4.0, Materials. In addition, the submittals shall include the following:

A. Joints: The following shall be required for ductile iron joints.

1. Drawings or Manufacturer's Catalogue data indicating dimensions and tolerance.
2. Gaskets shall be tested in accordance with the respective standards as indicated in ANSI 21.11 and results shall be included in the submittals. Test shall be for similar materials on the gaskets and be not more than one year old.
3. Mechanical Joints: Should the Contractor elect to use mechanical joints in lieu of push-on joints, manufacturer's data shall be submitted in accordance with the "Special Requirements for the Mechanical Joint" as stated in ANSI 21.11 (AWWA C 111).

B. Ductile Iron Pipe Submittal Shall Include the Results of:

1. Tension Test
2. Impact Test
3. Low Temperature Impact Test

Sampling procedure shall be as indicated in ANSI 21.51.

4.0 MATERIALS

WATER SYSTEM:

A. Ductile Iron Pipe: Ductile iron pipe shall be designed in accordance with the latest revision of ANSI/AWWA C 151/A21.51), rated working pressure of 350 psi plus a 100 psi surge allowance; a 2 to 1 safety factor on the sum of working pressure plus surge pressure in Type 3 Laying condition with a depth of cover as required per plans.

Pipe shall have standard asphaltic coating on the exterior. Pipe also shall have a cement mortar lining on the interior in accordance with the latest revision of ANSI/AWWA C104/A21.4. If corrosion protection is required, polyethylene encasement shall be installed prior to the pipes installation in accordance with ANSI/AWWA C105/A21.5-88.

All non-restrained pipe shall be furnished with push-on type joints such as "Fastite", or equal. Joints shall be in accordance with the latest revision of ANSI/AWWA C111/A21.11 and shall be furnished complete with all necessary accessories.

Where restrained joint pipe is required, "Fast Grip", "Flex-Ring", or "Field Flex-Ring" or approved equal shall be used. The length of restrained pipe shall be as tabulated or noted on the plans.

Ductile iron fittings shall conform to the latest revisions of either ANSI/AWWA C110/A21.10 or ANSI/AWWA C153/A21.53. Fittings, linings, and coatings shall be as specified for the pipe above.

All pipe, fittings and accessories shall be installed and tested in accordance with the latest revision of AWWA C600. Newly installed ductile iron water mains shall be disinfected in accordance with the latest revision of AWWA C651 prior to placing in service.

B. Gate Valves: Where indicated on the Plans or directed by the ENGINEER, the CONTRACTOR shall furnish and install gate valves as hereinafter specified.

All gate valves shall be cast iron mechanical joint, M.J., Mueller A-2380-20, equivalent or better.

All gate valves shall be furnished with O-ring packing and 2" square operating nut, AWWA 200lb., for cast iron water main.

Valve boxes shall be cast iron top and bottom. Extension pieces shall be provided as required.

All valves will be set at a perfect 90 degree angle from level pipe, (perpendicular) so as to be easily accessible through properly set valve box as per specifications above.

The CONTRACTOR shall furnish and install either a two-piece or three-piece, slip type, cast iron valve box over each gate valve. Valve boxes will be set over valve operating nut, centered so as to be easily accessible with a valve operating wrench or key. They will be set to correspond with the finished grade of street, lot, or easement. No dirt will be left in box; box will not rest directly on valve body.

C. Fittings, Valves and Hydrants, Etc.: All fittings, valves and valve boxes, hydrants, and other appurtenances are to be set at the points indicated on the plans, or as directed by the ENGINEER, and omission to do so shall be corrected by the CONTRACTOR without extra cost to the OWNER.

All fittings shall either be Ductile Iron Compact (ANSI/AWWA C153/A21.53) or Cast Iron (ANSI/AWWA-C110/A21-10) and shall have mechanical joint ends and mechanical joint restraints (Series 1120) and shall be incorporated in the design of the follower gland and shall include a restraining mechanism which, when actuated, imparts multiple wedging action against the pipe, increasing its resistance as the pressure increases. Flexibility of the joint shall be maintained after burial. Glands shall be manufactured of ductile iron conforming to ASTM A 536-80. Restraining devices shall be of ductile iron heat treated to a minimum hardness of 370 BHN. Dimensions of the gland shall be such that it can be used with the standardized mechanical joint bell and tee-head bolts conforming to ANSI/AWWA A21.11 and ANSI/AWWA C153/A21.53 of latest revision. Twist-off nuts shall be used to insure proper actuating of the restraining devices.

The mechanical joint restraint device shall have a working pressure of a least 250 psi with a minimum safety factor of 2:1 and shall be EBAA Iron., MEGALUG or equal.

To improve the sealing capacity, the gaskets for all mechanical joints conforming to the requirements of ANSI/AWWA C110/A/21.10, C111/A21.11, or C153/A21.53 shall be of a design that causes the gasket to deflect approximately 30% during assembly of the mechanical joint. The gasket material shall conform to the requirements of ANSI/AWWA C111/A21.11, Section 1-6.4 of the latest revision. Mechanical joint gaskets shall be EBAA Iron's EBAA Seal-Improved Mechanical Joint Gasket or approved equal.

Fittings (bends, tees, plus, and caps) shall be securely braced by mechanical joint restraints, as indicated on the Plans, to prevent the possibility of blowing off under pressure. And a full length of pipe shall be installed on each end of the fitting. Then cut pieces can be installed beyond the full lengths of pipe.

D. Plugs and Caps: Where indicated on the Plans, or as directed by the ENGINEER, the CONTRACTOR shall install plugs for anticipated future extensions by placing a branch fitting

(tee or cross) in the line and plugging the unused branch or branches. In general, such plugs will be located at street intersections where present plans provided lines running in only two or three directions from the intersections and where, in the opinion of the ENGINEER, a connection may be required for future extension. Where "dead end" lines are installed, the ends of such lines shall be plugged or capped as required.

For the various hot taps required according to the plans, and up to 12 inches, the JCM 432, stainless Tapping Sleeve, or approved equal, shall be required. The CONTRACTOR shall furnish all materials for these various taps.

E. Casing Pipe: Steel pipe utilized as casing at locations shown on the Contract Drawings shall be new round piling pipe conforming to the requirements of ASTM A 252 or A 139. Casing diameter shall be adequate to allow pushing of the specified diameter of water pipe and make proper connections at the ends. Minimum Wall Thickness for steel casing is 0.25 inch.

F. Stabilization Material: Stabilization Material shall be a pit run mixture of sand and gravel. The sand shall be hard, sharp and durable particles. All gravel shall pass a 1" sieve.

G. Wash Gravel Bedding Material: Select Granular material for pipe bedding shall be coarse concrete aggregate. The coarse concrete aggregate shall conform to the gradation sizing Number 467 specified in Table 2 of ASTM Standard Specification C-33. (See Following Table)

H. Meter: Water meter shall be Badger "Radio Read" and all fittings shall be Ford brand consistent with current City Standards.

I. Polyethylene Pipe: Shall be in accordance with AWWA C906, ASTM D3035, PE4710, C200 (DR11), with ductile iron outside diameter (DIOD)

J. Fittings for Polyethylene Pipe: Shall be in accordance with AWWA C906, AWWA D3035, molded and manufactured to comply with ASTM F714. AWWA C906, AWWA M55, ASTM D3261 for butt fusion fittings ANSI Class 150 or as necessary to provide minimum pressure rating.

K. Joints and Jointing Materials

a. Mechanical Joint: DIOD Mechanical joint adapter and gaskets for mechanical joints for joint connections between pipe and metal fittings, valves, and other accessories, AWWA C111/A21.11.

b. Butt Fusion: Jointing is to comply with ASTM D2657, Butt Fusion. No offset in alignment between adjacent pipe joints or fittings is permitted.

SIZE NO. 467

<u>Nominal Size</u> <u>(Sieves w/Square Openings)</u>	<u>Percent Passing by Weight</u>
2"	100
12"	95 - 100
3/4"	35 - 70
3/8"	10 - 30
No. 4	0 - 5

H. Select Backfill: General: The select material shall be composed of a natural or artificial mixture of sand, silt, clay or soil binder or other material of satisfactory cementing value. The sand shall be hard, sharp, and durable particles, preferably siliceous. The binder shall be a grade of clay or other material having satisfactory cementing qualities and shall be homogenous in character, free from vegetable matter, clay balls or other deleterious substances that cannot be classed as serviceable base material.

Gradation: Any coarse aggregate contained in the material shall pass the one and one-half (1-1/2), sieve and not more than thirty-five percent (35%) shall be retained in the Number 10 sieve. The plasticity index (P.I.) shall not exceed 12, nor shall the liquid limit exceed 30.

The composite selected sand-clay material passing the Number 10 sieve shall conform to the following minimum and maximum gradation limits:

<u>Sieve</u>	<u>Percent Passing by Weight</u>
Number 40	40 - 85
Number 60	30 - 70
Number 270	8 - 30
Silt (.05 to .005 mm)	3 - 15
Clay (Passing .005 mm)	3 - 15

I. Backfill: All other backfill shall consist of excavated material removed from the trench.

5.0 CONSTRUCTION:

Earthwork:

A. Site Preparation: Topsoil shall be stripped and stockpiled in accordance with Technical Specifications - Restoration of Roads, Driveways, Fences, Lawns, and other Grassed Areas and Excavation, Trenching and Backfilling.

All vegetation such as brush, heavy sod, heavy growth of grass, decayed vegetative matter, rubbish and any other unsuitable material within the area of trenching shall be stripped or otherwise removed before the trenching is started, and in no case shall such objectionable material be allowed in the trench.

Stripping operation shall be to a depth of not less than 6 inches in all cases.

B. Asphalt or Concrete Removal: Before trenching operations begin, the existing asphalt or concrete pavement shall be scored or cut to a proper depth to give a straight vertical edge when removed. The asphalt or concrete shall be disposed of offsite by the Contractor. While removing the asphalt or concrete in the trench line, never shall the adjacent asphalt be raised or pulled from its base.

C. Trenching: The Contractor shall determine all requirements for trench dimensions, alignment, and grades. The trench shall be excavated in conformance with all federal, state and local regulations for the protection of the workmen. Shoring, sheeting and/or a moveable form shall be used as required to provide earth stability during the laying operations.

The final excavation of the trench for the pipe installation shall be as indicated on the Plans. Minor variations in horizontal (within the permanent easement) or vertical alignment during construction shall be made during construction (with the Engineer's approval) to facilitate ease of installation and operation (due to potential conflicts; i.e., utility conflict) at no additional cost to the Owner except for additional piping, if any. The trench from the top of the pipe down to the bottom of the bedding shall be of a consistent width as indicated on the plans. Should the excavated width of the trench be larger than the design width, the Engineer may direct that a higher type or class of bedding be used; or other adjustments be made to increase the load carrying capacity of the pipe.

The Contractor shall not excavate more trench in advance of pipe laying than is necessary to perform the work efficiently. No more than 100 feet of open trench shall be allowed unless approved by the Engineer.

Excavated material shall be placed in a manner that will not obstruct sidewalks, driveways, or other structures. Excavated material shall not be placed so as to surcharge the walls and jeopardize trench stability.

D. Disposal: The Contractor shall satisfactorily dispose of all excess earth from excavations either in approved (by the Engineer) areas within the construction limits or away from the project in disposal sites obtained by the Contractor.

The Contractor will be permitted to mound excess earth over the trench to a maximum depth of 12 inches above the original ground surface or finished grade where the trench is located in unimproved property. Wasting of excess excavated material will not be permitted within any road ROW. All material within the construction limits shall be placed so that natural drainage is maintained and the surface shall be graded to a smooth and uniform appearance. The disposal of waste and excess excavating materials, including hauling, handling, grading, and surfacing shall be subsidiary obligation of the contractor and no separate payment will be made. Therefore, the cost of such work shall be included in the Contract Unit Price for installation of water pipe.

E. Dewatering: The site shall be kept free of surface water at all times. The Contractor shall

install drainage ditches and dikes and shall perform all pumping and other work necessary to divert or remove rainfall and other accumulations of surface water from the excavations. The diversion and removal of surface water performed in a manner that will prevent the accumulation of water behind temporary structures or at any other locations within the construction area where it may be detrimental. The Contractor shall provide, install, and operate sufficient trenches, sumps, pumps, hoses, piping, well points, deep wells, etc., necessary to depress and maintain the ground water level at least one foot below the base of the excavation during all stages of construction operations. The ground water table shall be lowered in advance of excavation and maintained a minimum of one foot below the lowest excavation subgrade made until the structure has sufficient strength and weight to withstand horizontal and vertical soil and water pressures.

Where groundwater is encountered, the Contractor shall make the effort necessary to secure a dry trench bottom before laying pipe. In sandy and in other suitable type soils, dewatering shall be done by well pointing. If, in the opinion of the Engineer, the Contractor has failed to obtain an absolutely dry trench bottom by insufficient use of all known methods of trench dewatering, the Engineer may order the Contractor to excavate below grade and place not less than 6 inches of graded crushed stone fill material over the trench bottom to form trench drains to suitably located sumps and to remove the water by bailing or pumping. The graded crushed stone fill material shall be placed at the Contractor's own expense and shall be of such depth that there shall be not water in bell holes at the time of coupling pipe. All costs of equipment, labor, and materials required for dewatering shall be included in the bid price.

F. Bedding: The Contractor shall satisfactorily shape the trench area (to specified line, grade and cross section) to receive bedding material. The bottom of the trench shall be undisturbed soil. Should the Contractor over excavate the trench without direction from the Engineer, the trench shall be brought up to grade with select backfill and compacted to at least 90% of maximum laboratory density as measured by AASHTO T 99. Such additional work and materials for over excavation without direction of the Engineer shall be at the expense of the Contractor.

Holes for the bells shall be provided at each joint in the sub-grade or in the granular fill bedding material as required. The holes shall be no larger than necessary for joint assembly and assurance that the pipe barrel will lie flat on the material. The Contractor shall install the proper bedding for the respective type of pipe and depth of installation as shown in the details and schedules on the plans. When depths vary in a particular manhole run, the Contractor shall change bedding systems in accordance with the depth installation requirements.

1. Stabilization Materials: When the sub-grade is found to be unstable or to include ashes, refuse, organic material, or other unsuitable material, the Engineer may direct that the sub-grade be over excavated to remove such material. The depths of over excavation shall be as directed by the Engineer. Stabilization material shall be placed into the over excavated area of the trench and shall be paid for in accordance with these specifications. Stabilization shall be compacted to at least 90% of maximum laboratory density in six inch lifts.

2. Bedding Materials: As detailed in the plans, bedding material shall be placed to the specified depth below the pipe and tamped to a minimum of 90% of maximum laboratory density

as determined in accordance with AASHTO T 99. Following placement of pipe, additional bedding material shall be placed and consolidated under the haunches of the pipe. Special tools shall be required to work the material into place and leave no voids beneath the pipe. The bedding material shall be tamped along the spring line (or along the top of the bedding material as indicated) of the pipe to sufficiently compact the material insofar as practical.

The Engineer may direct additional moisture be added to the bedding material to aid in the compaction effort. Mechanical tampers may be employed to aid the process. Depending on the particular bedding required, additional bedding shall be added and tamped to minimum of 90% of maximum laboratory density, with AASHTO T-99.

3. Select Backfill: Select backfill shall be placed in 6 inch lifts and tamped to a minimum laboratory density with AASHTO T-99. Overall depth of the select backfill shall be as directed by the Engineer.

4. Normal Condition Bedding: Under normal conditions the trench bottom shall be undisturbed earth shaped to the specified line, grad, and cross section with proper bell holes at each joint to insure the pipe barrel lies flat on trench bottom. The bedding material will be selected native materials excavated from the trench and placed in two lifts. The first lift being placed up to the spring line of the pipe and extending out to the trench walls and hand tamped to a minimum of 90% of maximum laboratory density. Special care shall be used in placing and tamping bedding to insure no voids under the haunches of the pipe. The second lift shall extend to approximately 6" above pipe (Material permitting) and hand tamped to 90% density.

5. Backfilling: Upon completion of placement of select material the excavated materials shall be immediately placed back into the trench. Specific requirements are:

a. Backfill requirements for road crossings, parking lots, driveways, and sidewalks shall be in accordance with Technical Specifications - RESTORATION OF ROADS, DRIVEWAYS, FENCES, LAWNS AND OTHER GRASSED AREAS AND EXCAVATION, TRENCHING AND BACKFILLING.

b. Backfill requirements for unimproved areas (pastures, wooded areas) shall consist of placement and shaping of the soil in such a manner as to allow maximum natural consolidation. No compaction of the general backfill in the unimproved areas will be required, except that caused by conventional shaping equipment.

c. No debris shall be used as backfill which has a volume in excess of one-half of one cubic foot or a weight excess of 75 pounds.

6. Sheeting Removal: Wooden sheeting or other thick sheeting or shoring members which have been driven or otherwise placed along the trench walls to an elevation below the spring line of the pipe shall be cut off at the spring line or higher and left in place.

7. Grading and Grassing: Final grading and grassing shall be in accordance with Technical Specifications - RESTORATION OF ROADS, DRIVEWAYS, FENCES, LAWNS, AND

OTHER GRASSED AREAS AND EXCAVATION, TRENCHING AND BACKFILLING.

F. PIPE HANDLING AND STORAGE: Pipe shall be handled, staked, and stored in accordance with manufacturer's printed literature. The Contractor shall provide security as required to prevent damage by vandals. PVC pipe shall be shaded from sunlight for extended lengths of time. Pipe damaged during storage and handling shall be rejected.

G. PIPE LAYING: Each pipe shall be laid true to line and grade and in such manner as to form a close concentric joint with the adjoining pipe and to prevent sudden offsets of the flow line. As the work progresses, the interior of the water shall be cleared of all dirt and superfluous materials of every description. Where cleaning after laying is difficult because of small pipe size, a suitable swab or drag shall be kept in the pipe and pulled forward past each joint immediately after the jointing has been completed. Trenches shall be kept free of water and pipe shall not be laid when the condition of the trench or the weather is unsuitable for such work. At times when work is not in progress, open ends of pipe and fittings shall be securely and satisfactorily closed so that no trench water earth, or other substance will enter the pipe or fittings. The minimum depth of water mains shall be 30 inches below finished grade to the top of the water main.

Pipe laying shall be performed in such a manner that no foreign material enters the pipe. The Engineer may require that before lowering pipe, heavy canvas bags be placed over each end, and left in place until joints are ready to be made. If water is in the trench, the seals shall remain in place until the trench is pumped completely dry. If conditions are unsuitable, no pipe shall be laid until satisfactory laying conditions are obtained in accordance with the above specified requirements.

H. PIPE JOINTING: Piping shall be jointed in accordance with the manufacturer's printed recommendations. Gaskets shall be firmly set within the bells and grooves as required. The manufacturer's recommended lubricant or an approved equal shall be applied for slip type joints.

Ductile Iron Pipe Joint Construction: The installation and jointing of ductile iron pipe shall generally conform to the applicable provisions of AWWA Standard Specifications C-600 for pipe laying.

Where mechanical joint pipe is used, the surfaces which come in contact with the gasket shall be thoroughly brushed with a wire brush just prior to assembly. The gasket should be brushed with soapy water prior to installation to remove loose dirt and to lubricate gasket as it is forced into its retaining space. When tightening bolts, it is essential that the gland be brought up toward the pipe flange evenly. The bolts should be partially tightened; the bottom bolt first, then the top; next the bolts on either side; and last, the remaining bolts. Overstressing of bolts to compensate for poor installation will not be permitted. Bolt torque shall be in accordance with manufacturer's specifications.

All joints of whatever type shall be completely water tight after being subjected to the required tests.

I. BORINGS: Borings shall be accomplished in accordance with Mississippi Department of Transportation Standards. The contractor shall provide all necessary sheeting, bracing, cribbing, supports and appurtenances to insure the proper line and grade throughout the entire length of the crossing.

1. Casing Pipe: Casing Pipe shall be installed as indicated on the Contract Drawings. Joints shall be completely welded to provide structural integrity and shall be watertight.

2. Carrier Pipe: Carrier pipe may be any of the allowed options of piping. However, the piping and joints shall be capable of withstanding the stress exerted by pushing the pipe within the casing.

3. Carrier Pipe Supports: Supports for the carrier pipe shall be as recommended by the manufacturer for such installation. Supports shall be spaced to adequately support the piping under all conditions.

4. Casing Seal: The annulus between the casing and carrier pipe shall be sealed at each end by installing WMSON Type U end seals, as manufactured by T.D. Williamson, Inc. Tulsa, Oklahoma, or equal, in accordance with the instructions of the manufacturer of the seals.

J. Separation of Water and Sewer Mains:

1. Water mains shall be laid at least 10 feet horizontally and 18 inches vertically from any sanitary sewer or manhole. The bottom of the water line shall be a minimum of 18 inches from the top of the sewer line.

K. INCIDENTAL CONCRETE:

1. GENERAL: The following specifications shall apply to any and all items of incidental work with Portland Cement with or without reinforcement, including such items as concrete piers to support cast iron pipe above ground, erosion control bulkheads or structures, cradles and encasement, blocking and the like.

All concrete used in the construction of this project shall comply with the requirements herein specified for its particular class and kind.

2. MATERIALS: All materials used in this work shall consist of (a) Portland Cement, (b) Sand, (c) Gravel, and (d) Clean Water.

(a) The cement used shall be domestic manufacture, either "Standard" or "high Early Strength" Portland Cement, which shall meet all the requirements of the current A.S.T.M. Specifications for the type used at the time it is incorporated in the work.

(b) The fine aggregate shall consist of clean, sharp sand, well graded from coarse to fine, consisting of hard, durable particles, free from coarse to fine, consisting of hard, durable particles, free from silt, salt or organic matter. It shall meet all the requirements of the ASTM

Specifications C33, Paragraph 1, 2 and 3, and ASTM C-40.

(c) The coarse aggregate used shall consist of clean washed gravel, free from particles of wood or lumps of clay. Not more than 10% shall pass the No. 4 sieve, and it shall conform with the requirements of ASTM Specifications C33, Paragraph 5 to 8 inclusive.

(d) The water used for mixing concrete shall be clear, free from oil, salt, strong acid, alkali organic matter, and shall be approved by the Engineer.

(e) Reinforcing steel shall conform to the requirements of the "Standard Specifications for Billet-Steel Concrete Reinforcing Bars" of intermediate grade (Serial Designation: A 15-39) or the Standard Specifications for Rail-Steel Concrete Reinforcement Bars (Serial Designation; A-16-35) of the American Society for Testing Materials.

3. CONSTRUCTION METHODS:

All concrete materials shall be as handled and stored that they will not become damaged after delivery at the site. The cement shall be thoroughly protected from the weather, and the sand and gravel, shall be so stored that they will not become intermixed, and so as to prevent the admixture with either of any foreign materials. Reinforcing steel shall be so stored that it will not come in contact with the ground, shall be protected from the weather, and shall be clean and free from rust when incorporated in the work.

Concrete materials shall be mixed in the proportions and in a manner that will produce concrete of the class and strength specified to its use.

Unless indicated otherwise, all concrete shall be Class A which shall have a crushing strength of not less than 3,000 pounds per square inch at 28 days, as determined by the Standard Methods for testing concrete materials.

Class B concrete, which shall have a crushing strength of not less than 2,500 pounds per square inch at 28 days, and shall be used for erosion control bulkheads and blocking pipelines at bends to prevent blowing off under pressure.

Class C concrete, which shall have a crushing strength of not less than 2,000 pounds per square inch at 28 days, shall be used for cradles and encasement and may be used for backfill below grade.

After concrete has been properly mixed, it shall be deposited in the forms in reasonably uniform layers and in such manner as to prevent segregation of the aggregates. It shall be thoroughly spaded or puddled while being placed to insure maximum density and prevent honey-combing.

No concrete shall be deposited when the air temperature is less than 40 degrees F. No material shall be deposited on a frozen sub-grade, nor shall any frozen moisture or material be incorporated into the mixture.

No concrete shall be placed in water, nor shall water be permitted to rise on it or to run over it within a period of 24 hours after it has been placed.

Unsatisfactory concrete, resulting from failure to observe the above requirements or otherwise, shall be removed and replaced as directed by the Engineer.

4. COMPENSATION:

Payment for all concrete, except as may be elsewhere herein provided, shall be included in the prices bid for the construction units with which it is placed and no separate or extra compensation will be allowed directly therefore.

6.0 TESTING

DUCTILE IRON PIPE:

A. Field Inspection: The Engineer shall perform visual inspection of the material prior to placement by the Contractor. The Engineer may make non-destructive tests to determine the soundness of the pipe. The Contractor shall assist the Engineer in handling and moving the pipe as required.

B. Material Test: Material test shall be conducted during the manufacturing process and the results shall be included as part of the submittals. No other material test shall be required.

STEEL CASING PIPE: Material test shall be included as part of the submittal. No other material test shall be required.

COMPACTION TESTS: Compaction tests shall be performed in accordance with AASHTO T191 and ASTM D 2922. Maximum compaction shall be determined in accordance with AASHTO T99.

CONTRACTOR shall establish a compaction method or pattern which results in the proper density for the material utilized in the backfill operation. CONTRACTOR shall verify the compaction method by testing each lift for density in the first run of pipe to be laid. Upon satisfactory performance and approval of the ENGINEER the established compaction method shall be used for compaction of each lift of similar material.

The CONTRACTOR shall provide additional density testing to verify the compaction effort; twice in random locations as selected by the ENGINEER every 1,500 linear feet of pipe, if there is a change in material, or if in the sole opinion of the ENGINEER the compaction effort is not yielding the proper results.

(Number of Compaction Tests)

AASHTO T-99 Select Backfill Material OR Stabilization Material	AASHTO T-191 or ASTM D 2922	
	1	One per 100 CY
Bedding Material	2	One per 600 LF
Tamped Backfill	2	One per 600 LF

HYDROSTATIC TESTING:

The completed system shall be tested as herein stated. The pipe shall be filled with water and all air exhausted. Each section shall be tested under a hydrostatic pressure of 150 pounds per square inch and shall not show leakage exceeding 10 gallons per inch of diameter per mile of pipe per 24 hours when so tested. Whatever shall be measured into a container and refilled to the pre-test level. The pressure shall be maintained for 4 hours by pumping as necessary, and if the pipe has been backfilled, a 24-hour test is required.

All visible leaks at exposed joints and all leaks evident on the surface where joints are covered shall be repaired, and leakage eliminated, regardless of total leakage shown by the tests. Lines which fail to meet tests shall be removed, if necessary, or repaired and retested until compliance with these test requirements is affected.

These tests are to be made at the Contractor's expense, and he is to provide all necessary fittings, equipment, appliances, and any other necessary items to conduct the tests in a manner satisfactory to the Engineer. All costs incidental to conducting these tests are to be included in the prices bid for the various items of construction as no separate or extra compensation is to be allowed therefore.

CLEANING AND DISINFECTION:

Before each section of work is placed in service, it shall be thoroughly flushed to remove any dirt or other foreign material from inside the lines; and the inside of the lines shall be disinfected by pumping into and through them as solution of chlorine of 50mg/l for 24 hours in such manner as to meet the requirements of the State Board of Health.

At least two (2) samples of chlorine free water, taken from each section shall be submitted to the State Board of Health for examination to determine if the system is free from organisms of the

Coli-Aerogenes group. If such samples are not negative from organisms of the Coli-Aerogenes group, the system shall be disinfected and re-disinfected in a manner meeting the requirements of the State Board of Health, until the system is freed of contamination.

All water mains will be flushed, chlorinated and re-chlorinated until two (2) consecutive negative water samples are obtained by the Local Health Department or a representative of the water systems certified as an operator by the Mississippi Department of Health.

The CONTRACTOR shall be responsible for the conduct of all of the above defined activities, and any and all costs incident thereto shall be included in the prices bid for the various items of construction as no separate or extra compensation is to be allowed therefore.

EXISTING DRINKING WATER FACILITIES

The Contractor is required to keep existing drinking water facilities in operation during construction. Should the Contractor require that existing facilities be taken out of operation, a plan to provide for alternative service shall be reviewed and approved in advance by the Health Department and shall be adhered to during construction.

FIRE HYDRANT

1.0 General

Fire hydrants shall comply in all respects with AWWA Standard C-502, latest revision, and shall be M & H or approved equal. Fire hydrants shall be of the compression type with the main valve opening against the pressure and closing with the pressure. The main valve opening shall be 4-1/2", 5-1/4", or 6-1/4" in diameter. Fire hydrant shall be of a dry barrel, dry top design. The main valve on the hydrant shall remain closed should the hydrant nozzle section be broken off by a traffic accident. The nozzle section shall consist of two (2) hose nozzles and one (1) pumper nozzle or other, as specified.

2.0 Rating

Fire hydrants shall be rated at 150 psi water working pressure, tested at 300 pounds hydrostatic for structural soundness in the following manner: 300 pounds hydrostatic test supplied from the inlet side, first with the main valve closed for the testing of the valve seat; second, with the main valve open for testing of the drain valves and the hydrant barrel. Testing is to be completed in accordance with AWWA C-502.

3.0 End Configurations

Hydrants shall be connected to the main by a 4", 6", or 8" mechanical joint, flange shoe, A.C., or hub shoe. Mechanical joint shoes, A.C., and hub shoes shall be fitted with strapping lugs.

4.0 Design

- 4.1 The main valve seat of the hydrant shall be made of rubber and be supported by a one-piece bronze top plate and drain valve mechanism and bottom plate. The bottom stem threads of the main valve rod shall be fitted with a cast iron cap nut (epoxy coated, optional) suitable for sealing the threads from the water. Drain valves shall be faced with rubber.
- 4.2 Changes in size or shape of the waterway shall be accomplished by means of easy curves. Exclusive of the main valve opening, the net area of the waterway of the barrel and the foot piece at the smallest part shall not be less than one hundred twenty percent (120%) of that of the net opening of the main valve.
- 4.3 Hose and steamer nozzles shall be threaded and screwed into the nozzle section and then pinned to prevent turning.
- 4.4 The hydrant shall be so designed that when it is in place, no excavation will be required to remove the main valve and moveable parts of the drain valve. Further, the hydrants shall be of the type that can be extended without excavating. Hydrants shall be so designed that, in the event of accident or breaking of the hydrant above or near grade level, the main valve will remain closed. The main

valve rod shall be made in two parts and fitted with breakable feature at the ground line flange.

- 4.5** The ground line connection between nozzle section and the barrel shall incorporate the use of eight (8) breakable bolts. This connection shall be so designed that the nozzle section can be rotated in increments of forty-five (45) degrees. The ground line connection between the barrel and nozzle section shall be gasketed to provide a seal.
- 4.6** The operating threads of the hydrant shall be so designed as to avoid the working of any iron or steel parts against either iron or steel. The operating stem and operating nut threads shall be square or acme type.
- 4.7** The operating thread shall be grease lubricated at the factory. Access shall be provided to field lubricate the operating mechanism.
- 4.8** The operating thread shall be sealed from water at all items when the valve is either in the opened or closed position. The operating rod shall be bronze sheathed where it passes through the double “O” ring seal plate.
- 4.9** The bonnet shall be weather proof.
- 4.10** The operating nut shall be of bronze and a self-lubricating, anti-friction thrust bearing shall be provided to reduce operating torque.
- 4.11** Hydrants shall be of the dry type and hydrant shoe shall have two positive acting non-corrodible drain valves that shall drain the hydrant completely by opening when the main valve is closed and close tightly in accordance with AWWA C-500 requirements when the valve is open. The main valve assembly shall be seated in the hydrant (with a bronze-to-bronze interface as an option) to facilitate removal of the main valve should maintenance be required. The nozzle section shall consist of two 2” hose nozzles to the specified thread designation (NST or other, as specified) and one pumper nozzle 4-1/2” in diameter to the specified thread designation (NST or other, as specified) or other combination of nozzle outlets including independent hose gate valves as specified.
- 4.12** Two “O” ring seals shall be utilized where the main hydrant rod passes through the seal plate.
- 4.13** Hydrant standpipe shall be ductile or cast iron and single piece for all bury depths.
- 4.14** All like parts of hydrants of the same size and model produced by the same manufacturer shall be interchangeable.
- 4.15** Hydrant shall open by turning to the left.

- 4.16** Threads or hose and streamer nozzles shall be national standard unless otherwise specified.
- 4.17** Auxiliary shut-off (isolation) gate valves, when required, shall be of the same manufacture as the hydrant.
- 4.18** The inside of all hydrants shall be coated in accordance with AWWA standards and federal specification TT-C-494A or equal except for bronze and machined surfaces. Exterior of hydrant shall be painted fire hydrant yellow (or as specified). (The wetted surface of the hydrant shoe shall be epoxy coated to prevent corrosion of the waterway, optional.)

5.0 **Markings**

Hydrant shall be marked with the name of the manufacturer, size of valve opening, and the year of manufacture, all in accordance with AWWA C-502.

Sewer/Water Utility – Trace Wire Specification

1.0 General

All trace wire shall have HDPE insulation intended for direct bury, color coated per APWA standard for the specific utility being marked. THHN is prohibited from use in the tracer wire system.

All trace wire, test stations and accessories shall be supplied by a single manufacturer and domestically made in the USA.

All tracer wire and accessories shall be installed per plan details and per manufacturers recommended installation methods. All wire and connectors shall be rated for direct bury applications.

2.0 Materials

Copper Clad Steel (CCS) Trace Wire

Open Trench – 12 Gauge Copper Clad Steel with a Break Load of 452 pounds

Directional Drilling - 12 Gauge Copper Clad Steel with a Break Load of 1,150 pounds

Connectors

2-Way Splice Connector with Strain Relief

3-Way Connector

Termination/Access/Test Stations

Non-Roadway: Equal to Copperhead LD14TP

Concrete / Driveway: Equal to Copperhead CD14TP

Roadway: Equal to Copperhead RB14TP

Fire Hydrant: Equal to Copperhead T2-FLPKG

Grounding

Magnesium Anode: Equal to Copperhead ANO-12

3.0 Testing

All new trace wire installations shall be located using typical low frequency (512Hz) line tracing equipment, witnessed by the contractor, engineer and facility owner as applicable, prior to acceptance of ownership.

This verification shall be performed upon completion of rough grading and again prior to final acceptance of the project. Continuity testing in lieu of actual line tracing shall not be accepted.

4.0 Connectors

All mainline trace wires must be interconnected in intersections, at mainline tees and mainline crosses. At tees, the three wires shall be joined using a single 3-way lockable connector.

Connectors shall be dielectric silicon filled to seal out moisture and corrosion, and shall be installed in a manner so as to prevent any uninsulated wire exposure.

Non-locking friction fit, twist on or taped connectors are prohibited.

5.0 Termination/Access/Test Stations

All trace wire termination points must utilize an approved tracer wire access box, specifically manufactured for this purpose or as detailed on the plans

All grade level/in-ground access boxes shall be appropriately identified with “sewer” or “water” cast into the cap and be color coded (blue – water / green – sewer).

Test stations at dead ends shall be two-terminal.

Test stations in between dead ends shall be single terminal.

A minimum of 2 ft. of excess/slack wire is required in all trace wire access boxes after meeting final elevation.

Grounding anode wire shall be connected to the identified (or bottom) terminal on all access boxes.

Hydrants – Trace wire must terminate at an approved above-ground trace wire access box, properly affixed to the hydrant grade flange.

6.0 Grounding

Trace wire must be properly grounded at all dead ends/stubs.

Grounding of trace wire shall be achieved by use of a drive-in magnesium grounding anode rod with a minimum of 20ft of #12 red HDPE insulated copper clad steel wire connected to anode specifically manufactured for this purpose, and buried at the same elevation as the utility. Where the anode wire will be connected to a trace wire access box, a minimum of 2 ft. of excess/slack wire is required after meeting final elevation.

7.0 Sanitary Sewer System

A mainline trace wire must be installed, with all service lateral trace wires properly connected to the mainline trace wire, to ensure full tracing/locating capabilities from a single connection point.

Lay mainline trace wire continuously, by-passing around the outside of manholes/structures on the North or East side.

Trace wire on all sanitary service laterals must terminate at the cleanout and located directly above the service lateral at the edge of road right of way as detailed in the plans.

8.0 Water System

A mainline trace wire must be installed, with all service lateral trace wires properly connected to the mainline trace wire, to ensure full tracing/locating capabilities from a single connection point.

Lay mainline trace wire continuously, by-passing around the outside of valves and fittings on the North or East side.

Trace wire on all water service laterals must terminate at an approved trace wire access box color coded blue and located directly above the service lateral at the edge of road right of way.

Above-ground tracer wire access boxes will be installed on all fire hydrants.

All conductive and non-conductive service lines shall include tracer wire.

9.0 Installation

Trace wire systems must be installed as a single continuous wire, except where using approved connectors. No looping or coiling of wire is allowed.

Trace wire shall be installed at the bottom half of the pipe and secured (taped/tied) at 5' intervals.

Trace wire on all service laterals/stubs must terminate directly above the utility, at the edge of the road right-of-way, but out of the roadway.

At all mainline dead-ends, trace wire shall go to ground using an approved connection to a drive-in magnesium grounding anode rod, buried at the same depth as the trace wire.

Mainline trace wire shall not be connected to existing conductive pipes. Treat as a mainline dead-end, ground using an approved waterproof connection to a grounding anode buried at the same depth as the trace wire.

All service lateral trace wires shall be a single wire, connected to the mainline trace wire using a mainline to lateral 3-way connector, installed without cutting/splicing the mainline trace wire.

In occurrences where an existing trace wire is encountered on an existing utility that is being extended or tied into, the new trace wire and existing trace wire shall be connected using approved splice connectors, and shall be properly grounded at the splice location as specified.

Trace wire on all water service laterals must terminate at an approved trace wire access box color coded blue and located directly above the service lateral at the edge of road right of way.

Above-ground tracer wire access boxes will be installed on all fire hydrants.

All conductive and non-conductive service lines shall include tracer wire.

ADVERTISEMENT FOR BIDS:

NOTICE is hereby given that the City Clerk of the **City of Hattiesburg**, MISSISSIPPI, will receive sealed bids until **10:00 A.M.** on **February 1, 2018** in the City Clerk's Office in the City Hall of said City for furnishing the City's requirements for the following:

COMPREHENSIVE SEWER/WATER IMPROVEMENTS – PHASE VIII HATTIESBURG, MISSISSIPPI

Plans, Specifications and proposal forms may be obtained from www.sd-projects.com, upon deposit of \$200.00, non-refundable. All plan holders are required to have a valid email address for registration. Any questions regarding website registration or online orders should be directed to Plan House Printing at 601-336-6378. All bids must be accompanied by bid security equal to 5% of the amount of the bid, in the form of a certified check, cashier's check or a bid bond written by a company properly licensed in Mississippi.

Each BID must be received in a sealed envelope which is marked in the lower left-hand corner EXACTLY as follows:

BID:

COMPREHENSIVE SEWER/WATER IMPROVEMENTS – PHASE VIII HATTIESBURG, MISSISSIPPI

No bid may be withdrawn for a period of sixty (60) days. The lowest and best proposal received will be accepted, subject to the provisions of Section 31-7-13 of the Mississippi Code of 1972, Annotated and Amended, and other applicable State law; but the Council reserves the right to reject any or all proposals received and to waive informalities.

PUBLISHED by Order of the Council on the 19 day of December, 2017.

CITY OF HATTIESBURG, MISSISSIPPI

BY:

Kermas Eaton, City Clerk

Publish on December 28, 2017 and January 4, 2018
City of Hattiesburg
Return PROOF to SDW, Inc.
301 Second Avenue
Hattiesburg, MS 39401



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-908

File ID: 2017-908

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 12/07/2017

Brief Title: Approve plans and specs for Public Safety Complex
Demolition Project; authorize advertisement for bids

Final Action:

Minute Book Number: MB2017-487

Title:

Approve plans and specifications for the Hattiesburg Public Safety Complex
Demolition Project; Authorize advertisement for bids for same.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: VI.-5

Sponsors:

Enactment Date:

Attachments: ADVERTISEMENT FOR BIDS 2017 Hattiesburg
Public Safety Demo, 2017-12-07 HPSC Demo
Package Bid Drawings, 2017-12-07 HPSC Demo
Package Bid Specifications.pdf

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Sharon Waits

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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1	City Council	12/19/2017					
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Text of Legislative File 2017-908

Title

Approve plans and specifications for the Hattiesburg Public Safety Complex Demolition
Project; Authorize advertisement for bids for same.

Summary

Approve plans and specifications for the Hattiesburg Public Safety Complex Demolition
Project; Authorize advertisement for bids for same.

Budget Information

Fund 88

Expenditure Type

Invoices paid through Southern Mississippi Planning and Development District

ADVERTISEMENT FOR BIDS

Sealed bids will be received by the City of Hattiesburg at the Hattiesburg City Council Chambers, located at 200 Forrest Street, Hattiesburg, MS, 39401 until 10 a.m. local time on Thursday, January 25, 2018, at which time all proposals will be opened and read aloud for:

Hattiesburg Public Safety Complex Demolition Package
701 James Street
Hattiesburg, Mississippi 39401

Bid documents may be obtained from Albert & McCleskey Associate Architects via ar-architects.sharefile.com. Login information (username and password) will be provided by Albert & McCleskey Associate Architects (601) 544-1970. Bid documents are also available in hard copy form for a deposit of \$75.00 per set of documents, made payable to Albert & McCleskey Associate Architects. 100% of the deposit will be refunded to all document holders upon the return of the documents to the Architect in good condition no later than 10 calendar days after the bid date. Bid preparation shall be in accordance with Instructions to Bidders bound in the Project Manual.

A Pre-bid meeting will be held on Tuesday, January 16, 2018 at 2:00 p.m. at The Hattiesburg Public Safety Complex site. Attendance by all Bidders is strongly encouraged.

Each bid must be received in a sealed envelope which is marked in the lower left-hand corner with the legend, "Hattiesburg Public Safety Complex Demolition Package".

No bid may be withdrawn for a period of sixty (60) days. The lowest and best proposal received will be accepted, subject to the provisions of Section 31-7-13 of the Mississippi Code of 1972, Annotated and Amended, and other applicable State law; but the Council reserves the right to reject any or all proposals received and to waive informalities or irregularities therein.

Authorized by:
Kermas Eaton
City of Hattiesburg

Publication Dates: December 27, 2017 and January 3, 2018
Publish In: The Post and Clarion Ledger

HATTIESBURG PUBLIC SAFETY COMPLEX

HATTIESBURG POLICE DEPARTMENT ■ HATTIESBURG MUNICIPAL COURT

HATTIESBURGMISSISSIPPI



ARCHITECTURAL SYMBOLS

WINDOW TAG

DOOR TAG

GLAZING TAG

ARCHITECTURAL NOTES

FABRICATED RAILING DESIGNATION

MODIFICATION DESIGNATION

ROOM NAME AND NUMBER

ADDENDA MODIFICATIONS

NOTATION LINES

COLUMN LINES

WALL/PARTITION TYPES

VERTICAL ELEVATION

CENTER LINE

BUILDING SECTION

INTERIOR ELEVATION

INTERIOR ELEVATION

WALL SECTION

EXTERIOR ELEVATION

MISCELLANEOUS SECTION

AREA TO BE ENLARGED ON DRAWINGS

ABBREVIATIONS

A/C	AIR CONDITIONING
ADD'M	ADDENDUM
ADJ	ADJUSTABLE
AFF	ABOVE FIRST FLOOR
BD	BOARD
BLKG	BLOCKING
CJ	CONTROL JOINT
CLG.	CEILING
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTROL OR CONTINUOUS
CPT	CARPET
CTR	CENTER
DIM	DIMENSION
DN	DOWN
DS	DOWN SPOUT
DWGS	DRAWINGS
EA	EACH
EDF	ELECTRIC DRINKING FOUNTAIN
ELEC	ELECTRICAL
EQ	EQUAL
EXP	EXPOSED
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FFE	FINISHED FLOOR ELEVATION
GB	GRAB BAR
GYP	GYPSUM
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HGHT	HEIGHT
INSUL	INSULATION
JAN	JANITOR
JT	JOINT
LAM	PLASTIC LAMINATE
L.A.T.	LAY-IN ACOUSTIC TILE
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MRGB	MOISTURE RESISTANT GYP. BOARD
MTD	MOUNTED OR MOUNTING
METAL	METAL
N	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
O.H.	OPPOSITE HAND
OPNG	OPENING
PL	PLATE OR PLATED
PLYWD	PLYWOOD
PNTD	PAINTED
POR	PORCELAIN TILE
PT	PAINT
PTD	PAPER TOWEL DISPENSER/DISPOSAL
PVR	PORCELAIN PAVER
QT	QUARRY TILE
RB	RUBBER BASE
RD	ROOF DRAIN
RE	REFERENCE
REQ'D	REQUIRED
RM	ROOM
SCH	SCHEDULE
SHT	SHEET
SIM	SIMILAR
S/M	SHEET METAL
S/M AND A/C CONTRACTORS NATIONAL ASSOCIATION, INC.	
SND	SANITARY NAPKIN DISPOSAL SPECIFICATIONS
SS	STAINLESS STEEL
STRUCT.	STRUCTURAL
STN	STAINED WOOD
TPD	TOILET PAPER DISPENSER
TYP	TYPICAL
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VWC	VINYL WALL COVERING
WB	WOOD BASE
WD	WOOD

HISTORIC PRESERVATION

P.1 SCOPE: The following notes apply to all or portions of the project that are considered historically significant or sensitive as described below:

HISTORIC HOSPITAL BUILDING: The Historic Hospital Building was constructed in 1927 and served as the primary building of the Methodist Hospital campus until additional wings were added in subsequent decades --- including a major addition to the front of the building in the 1960's that is scheduled for demolition as part of the this Project. Once this building has been eliminated, the Historical Hospital Building will be once again eligible for Mississippi Landmark Status. Therefore, all work involving this building shall be undertaken under the review of the Mississippi Department of Archives & History and follow the Secretary of the Interior's Standards for Rehabilitation:

The Secretary of the Interior's Standards for Rehabilitation

The Standards (Department of Interior regulations, 36 CFR 67) pertain to historic buildings of all materials, construction types, sizes, and occupancy and encompass the exterior and the interior, related landscape features and the building's site and environment as well as attached, adjacent, or related new construction. The Standards are to be applied to specific rehabilitation projects in a reasonable manner, taking into consideration economic and technical feasibility.

- A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.
- The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.
- Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken.
- Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.
- Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.
- Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.
- Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.
- Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.
- New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.
- New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

P.2 VERIFICATION OF EXISTING CONDITIONS: The construction drawings are based on field measurements and observations made of the existing conditions and accessible building spaces at the time of documentation. Consequently, it is inevitable that the construction drawings will vary slightly from the existing conditions.

P.3 REUSE OF SALVAGED MATERIALS: All historic building materials salvaged during demolition shall be reused. Non-reusable salvage as determined by the Contractor shall be reviewed by the Owner and Architect. Anyone caught removing or discarding salvage and/or material belonging to the original structure or that is considered historic that does not receive permission from both the Owner and Architect shall be prosecuted to the full extent of the law.

P.4 GENERAL DEMOLITION: Remove and dispose of all misc. wood framing, shoring, sheathing, etc. that is non-contributing to the structural integrity of building and is not considered original or historic. Remove all construction required to execute design including but not limited to that shown in drawings.

P.5 SECURING OF VULNERABLE FEATURES: Carefully remove and store in a protected area all original building components including but not limited to windows, doors, decorative wood work, flooring, wainscoting, etc. that are not secure and may be easily damaged in demolition phase. Tag, number, and index components, indicating origin of component. Where removal for the sake of protecting is not feasible the Contractor shall ensure that the element is protected throughout project.

GENERAL NOTES

00 – PROCUREMENT AND CONTRACTING

0.1 REVIEW BY ALL PARTIES: Contractor shall ensure that all Subcontractors and suppliers review and abide by the terms of these General Notes for contract compliance.

0.2 RELATIONSHIP TO CONSTRUCTION DOCUMENTS: General Notes are meant to compliment and/or emphasize information presented in the Contract Documents. The Contractor shall notify the Architect where a conflict arises between the following General Notes and remaining Contract Documents during bidding and for the duration of the project. If a conflict arises during bidding that cannot be legally clarified by the Architect, the Contractor shall base the bid on the most expensive combination of quality and quantity of work indicated.

0.3 KEYED NOTES: Where provided, numbered notes are keyed on the drawings to demonstrate an example of a particular condition at the time of drawing preparation and are not inclusive of all instances of that condition, and thus may also apply as general notes for situations of the same condition.

01 – GENERAL REQUIREMENTS

1.1. FIELD CONDITIONS DURING BIDDING: Contractor shall pay very close attention to field conditions during bidding to ensure that all conditions are accounted for at that time. Known omissions and errors by the a Contractor or a Subcontractor shall be brought to the Architect's attention for clarification prior to bidding.

1.2. PUBLIC SAFETY: The Contractor shall coordinate with the jurisdiction having authority to ensure public safety around the construction limits at all times.

1.3. CONTRACTOR/SUBCONTRACTOR COORDINATION: All Subcontractors (including but not limited to hvac, plumbing, fire sprinkler, and electrical) shall be bound to the design as indicated on architectural drawings, engineering drawings, supplemental instructions and shop drawings. Where a conflict arises between the those documents, the Subcontractor shall coordinate with the General Contractor prior to execution of work to determine a solution and the General Contractor shall involve the Architect as necessary.

1.4. COORDINATION W/ OWNER'S CONTRACTORS: Contractor is responsible for coordinating Owner supplied contractors (security equipment, telephone equip., furniture, etc.) so that conflicts do not occur between trades and scheduling.

1.5. ADA: All physical properties of the building within the Contract limits must comply with the Americans with Disabilities Act – Accessibility Guidelines (ADA-AG).

1.6. MOCK-UPS FOR APPROVAL: The Contractor shall provide mock-ups as directed in the drawings and specifications for review by the Owner, Architect, and applicable Engineers and Consultants, in a single presentation. When possible, measures to correct unapproved samples shall be completed immediately to avoid an additional on-site inspection by the group. The Contractor shall incur any additional costs arising out of the necessity of rescheduling an additional review by said group as a result of the Contractor's failure to provide the requested samples as directed. Ample notice (no less than 5 calendar days) shall be given to the Architect that the samples are ready to be reviewed. In some case, approved mock-ups can remain part of the work. See Specifications for additional sample and mock-up requirements.

1.7. DIMENSIONS: Contractor to verify all dimensions.

1.8. ANGLES: All angles are 45 and 90 degrees, unless noted otherwise.

1.9. CONSTRUCTION LIMITS: The Contractors must keep their employees within the defined, controlled construction limits at all times or as directed by the General Contractor. The General Contractor will be responsible to keep the Owner and Architect informed of any occasions when workers need to be outside the construction limits. A six-foot high chain link construction fence is required around the perimeter of the construction limits. Twelve-foot wide, in-swinging, lockable gates are required at construction limit access points.

1.10. BUILDING LAYOUT: Contractor shall stakeout entire building layout and all improvements for approval by the Architect and Owner before beginning work. All discrepancies to be discussed and adjusted at that meeting.

1.11. FINISH FLOOR ELEVATIONS: Architect and Civil Engineer must approve finish floor elevation/building location prior to setting form work.

02 – EXISTING CONDITIONS

2.1. VERIFY EXISTING CONDITIONS: The Contractor shall verify existing building and site conditions as they relate to the Construction Documents and report any and all discrepancies to the Architect in writing and in a timely manner.

2.2. SITE DEMOLITION: Contractor shall be responsible for the removal or modification of any and all existing conditions required to accomplish work.

2.3. EXISTING TREE PROTECTION: All existing trees noted to remain are to be protected. Contractor shall provide chain link fence at a 15' radius around the tree trunk and paint on the ground, with green surveying paint, an outline of the tree canopy above, should it exceed 15'. Areas inside of the fencing and within the green paint are not to be used for permanent storage of material or equipment or vehicle parking. Should damage occur to trees scheduled to be protected due to inadequate tree protection, the Contractor shall consult with a professional arborist to remedy the situation and/or replace the tree with a new specimen equal in species and size. In the event of replacement, the Contractor shall be responsible for the full establishment of the tree.

2.4. TREE AND STUMP REMOVAL: Remove all trees and stumps within 10' of building unless marked for protection. Review all tress marked for removal with Architect prior to cutting (see site plan).

33 – UTILITIES

32.1. WORK BY PUBLIC UTILITY PROVIDERS: The Contractor is responsible for coordinating with all public utility providers, including but not limited to the those providing water, storm drainage, sanitary sewer, power, gas, cable, and phone as required, to ensure that utilities are provided to the building in a timely manner.

DESIGN TEAM

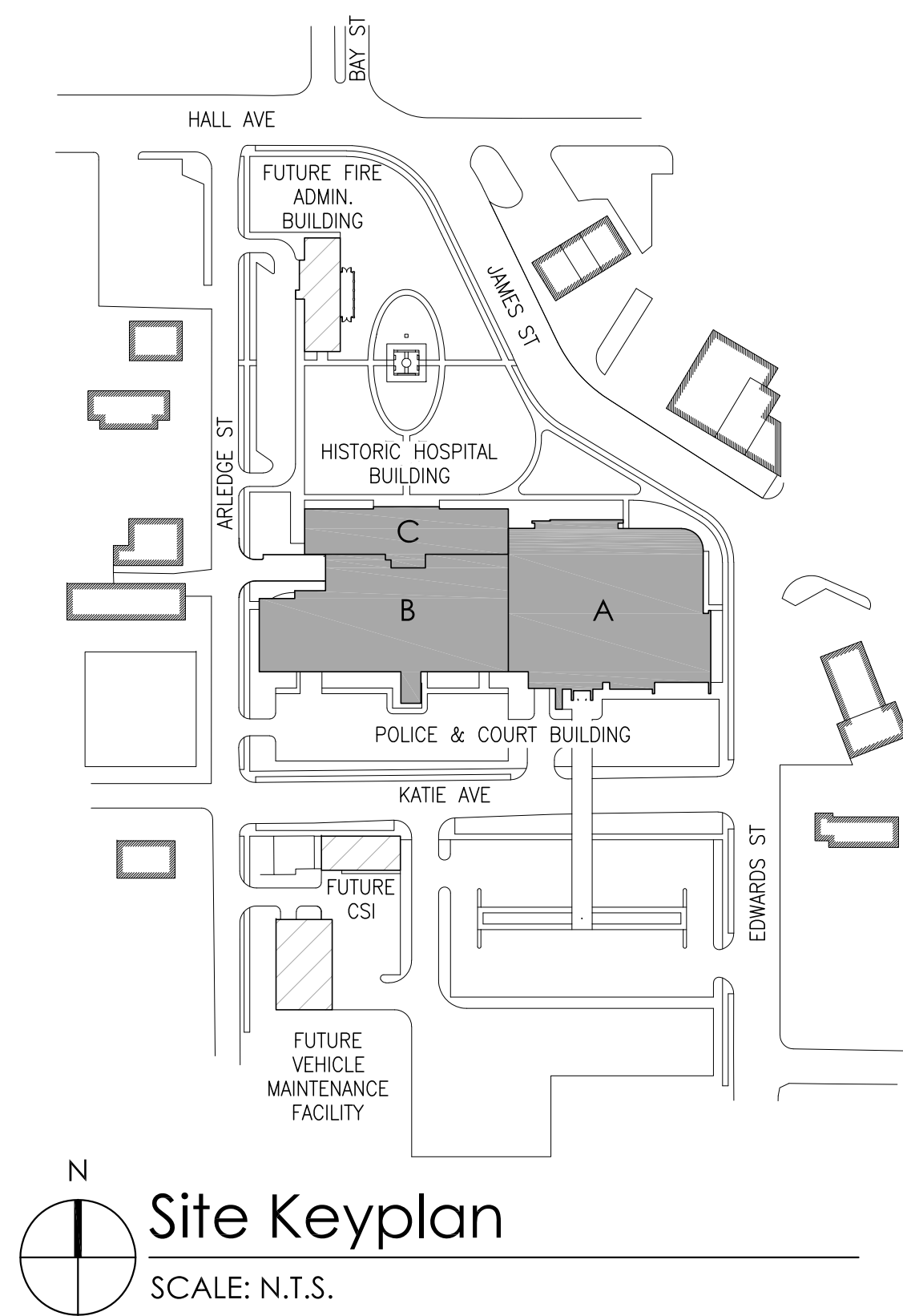
ARCHITECTURAL
ALBERT & McCLESKEY ASSOCIATES ARCHITECTS
P.O. BOX 1567
514 MAIN STREET
HATTIESBURG, MS 39403
601.544.1970 VOICE
601.544.4714 FAX
WWW.ALBERTASSOCIATES.COM

INDEX TO DRAWINGS

T1.0	TITLE SHEET & INDEX
D1.1	DEMO SITE PLAN
D1.2	DEMO SITE PHOTOS
D2.1	SELECTIVE DEMO FLOOR PLANS
D2.2	SELECTIVE DEMO ROOF PLAN
D2.3	SELECTIVE DEMO ELEVATIONS

PROJECT LOCATION

PROJECT SITE: 701 JAMES ST., HATTIESBURG, MS 39401

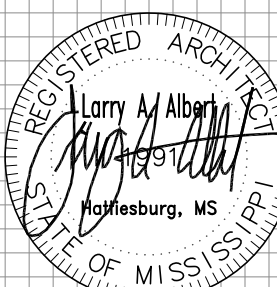


HATTIESBURG PUBLIC SAFETY COMPLEX
HATTIESBURG POLICE DEPARTMENT ■ HATTIESBURG FIRE DEPARTMENT
HATTIESBURG MUNICIPAL COURT ■ HATTIESBURG MUNICIPAL COURT

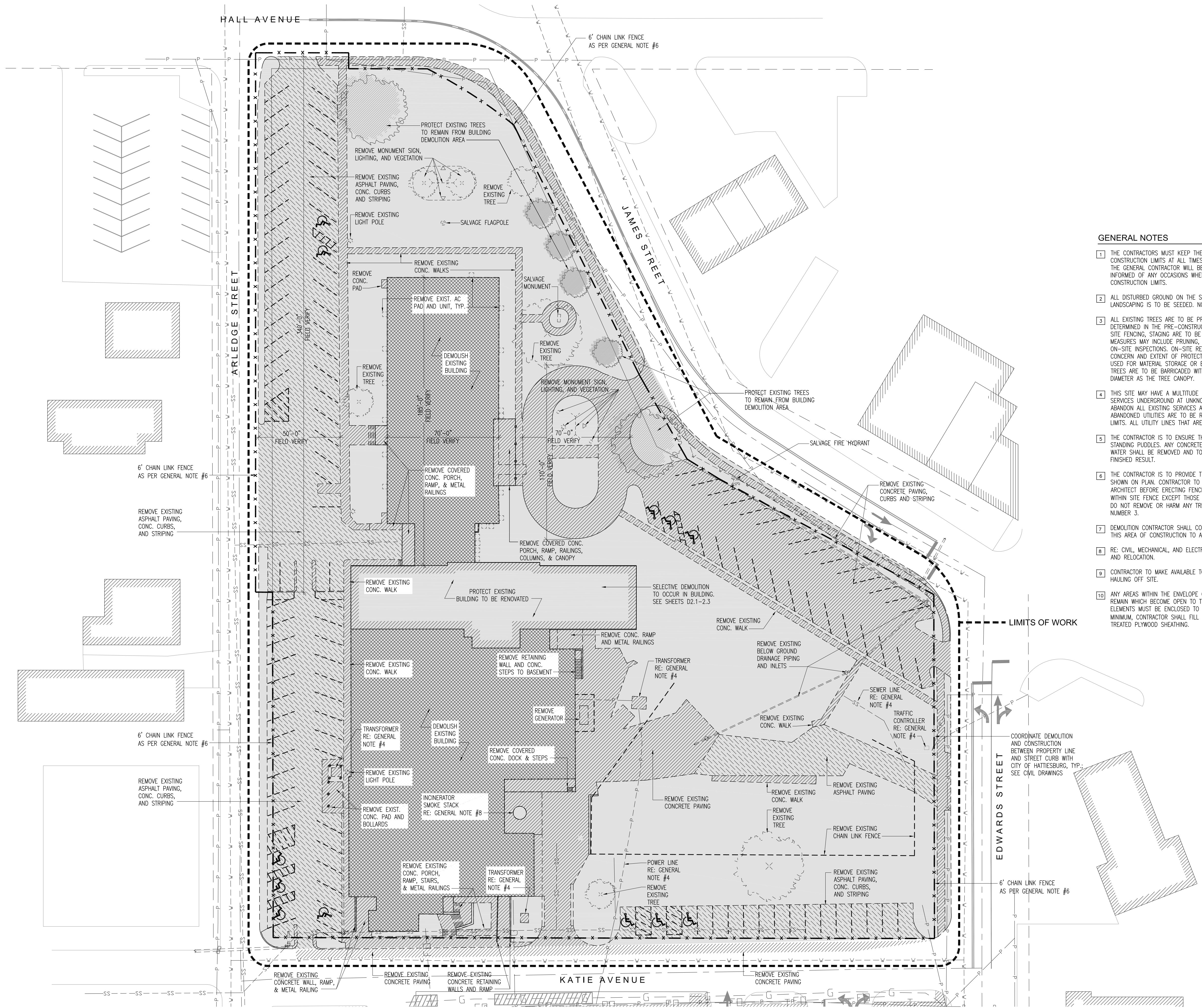
HPSC Demolition Package

Drawing Issued:
Date Rev Description
12-01-2017 100% Bid Docs

Drawn By: CP,AS
Checked By: CR,LA,CP
Client No:
Albert & Associates: 12575



T1.0



Site Demolition Plan
SCALE: 1" = 30'-0"

LEGEND:

- DEMOLISH EXISTING CONCRETE CURBS, GUTTERS, PAVING, WALKS, AND PADS
- DEMOLISH EXISTING ASPHALT PAVING
- DEMOLISH EXISTING HOSPITAL / POLICE STATION

- GENERAL NOTES**
- THE CONTRACTORS MUST KEEP THEIR EMPLOYEES WITHIN THE DEFINED, CONTROLLED CONSTRUCTION LIMITS AT ALL TIMES OR AS DIRECTED BY THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE TO KEEP THE OWNER AND ARCHITECT INFORMED OF ANY OCCASIONS WHEN WORKERS NEED TO BE OUTSIDE THE CONSTRUCTION LIMITS.
 - ALL DISTURBED GROUND ON THE SITE NOT COVERED WITH PAVING OR STRUCTURES OR LANDSCAPING IS TO BE SEEDED. NO STANDING WATER IS PERMITTED ON THE SITE.
 - ALL EXISTING TREES ARE TO BE PROTECTED AS FOLLOWS: MEASURES WILL BE DETERMINED IN THE PRE-CONSTRUCTION MEETING WITH CONTRACTOR. CONSTRUCTION SITE FENCING, STAGING ARE TO BE LOCATED IN ORDER TO MINIMIZE DAMAGE TO TREES. MEASURES MAY INCLUDE PRUNING, ADDITIONAL FENCING, MULCHING ROOT ZONE, AND ON-SITE INSPECTIONS. ON-SITE REVIEWS WILL BE NECESSARY TO DETERMINE AREAS OF CONCERN AND EXTENT OF PROTECTION. AREAS UNDER TREE CANOPIES ARE NOT TO BE USED FOR MATERIAL STORAGE OR EQUIPMENT OR VEHICLE PARKING. ALL PROTECTED TREES ARE TO BE BARRICADED WITH ORANGE CONSTRUCTION FENCE THE SAME DIAMETER AS THE TREE CANOPY.
 - THIS SITE MAY HAVE A MULTITUDE OF ABANDONED WATER, SEWER, ELECTRIC, & OTHER SERVICES UNDERGROUND AT UNKNOWN LOCATIONS. THE PROJECT DEVELOPMENT WILL ABANDON ALL EXISTING SERVICES AND PROVIDE ALL NEW SERVICES. ALL FOUND ABANDONED UTILITIES ARE TO BE REMOVED FROM THE SITE ANYWHERE WITHIN THE SITE LIMITS. ALL UTILITY LINES THAT ARE TERMINATED AT THE SITE LIMITS WILL BE CAPPED.
 - THE CONTRACTOR IS TO ENSURE THAT THE FINISHED SITE CONDITIONS HAVE NO STANDING PUDDLES. ANY CONCRETE, PAVED, OR FINISHED PAVER SURFACES THAT POND WATER SHALL BE REMOVED AND TOTALLY REWORKED TO PROVIDE A NON-PONDING FINISHED RESULT.
 - THE CONTRACTOR IS TO PROVIDE TEMPORARY 6 FOOT CHAIN LINK FENCE AT SITE LIMITS SHOWN ON PLAN. CONTRACTOR TO STAKE OUT FENCE LINE AND VERIFY W/OWNER AND ARCHITECT BEFORE ERECTING FENCE. CONTRACTOR TO DEMOLISH ALL BUILT OBJECTS WITHIN SITE FENCE EXCEPT THOSE ITEMS MARKED AS "SALVAGE" OR "DO NOT DISTURB". DO NOT REMOVE OR HARM ANY TREES, BUT PROTECT ALL TREES AS PER NOTE NUMBER 3.
 - DEMOLITION CONTRACTOR SHALL COORDINATE THROUGH THE OWNER THE SITE LIMITS IN THIS AREA OF CONSTRUCTION TO AVOID POSSIBLE CONFLICTS.
 - RE: CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR UTILITY DEMOLITION, REMOVAL, AND RELOCATION.
 - CONTRACTOR TO MAKE AVAILABLE TO OWNER ALL SALVAGEABLE MATERIAL BEFORE HAULING OFF SITE.
 - ANY AREAS WITHIN THE ENVELOPE OF THE EXISTING HISTORIC HOSPITAL BUILDING TO REMAIN WHICH BECOME OPEN TO THE ELEMENTS DUE TO DEMOLITION OF ADJACENT ELEMENTS MUST BE ENCLOSED TO CREATE A SECURE, WEATHERPROOF BUILDING. AT MINIMUM, CONTRACTOR SHALL FILL OPENINGS WITH TREATED 2x WOOD FRAMING AND 1/2" TREATED PLYWOOD SHEATHING.

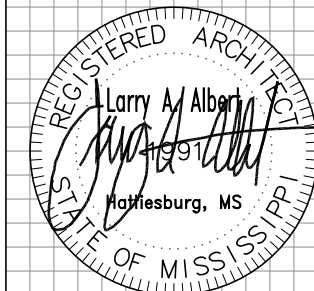


HATTIESBURG PUBLIC SAFETY COMPLEX
HATTIESBURG POLICE DEPARTMENT ■ HATTIESBURG FIRE DEPARTMENT
HATTIESBURG MUNICIPAL COURT ■

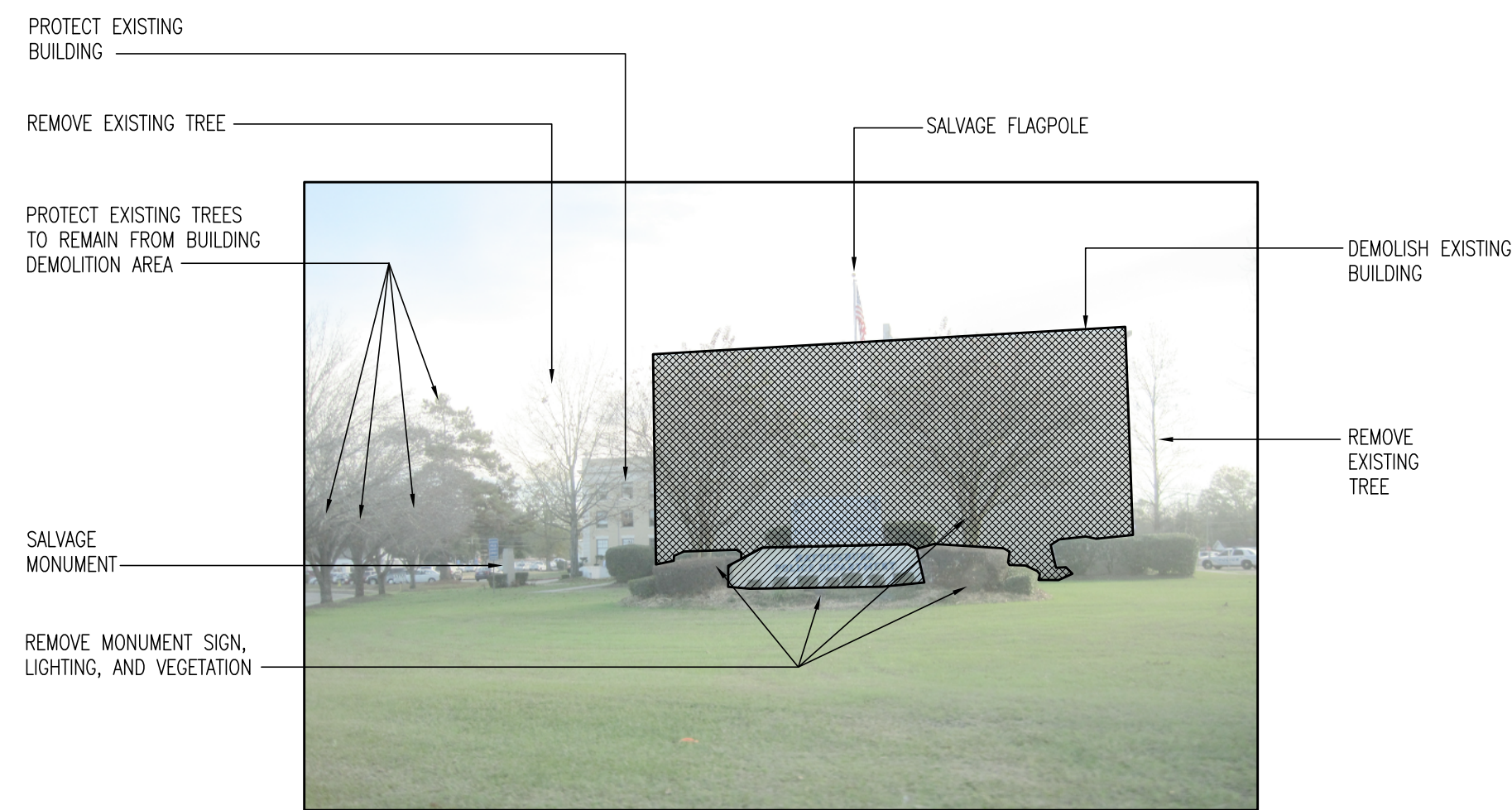
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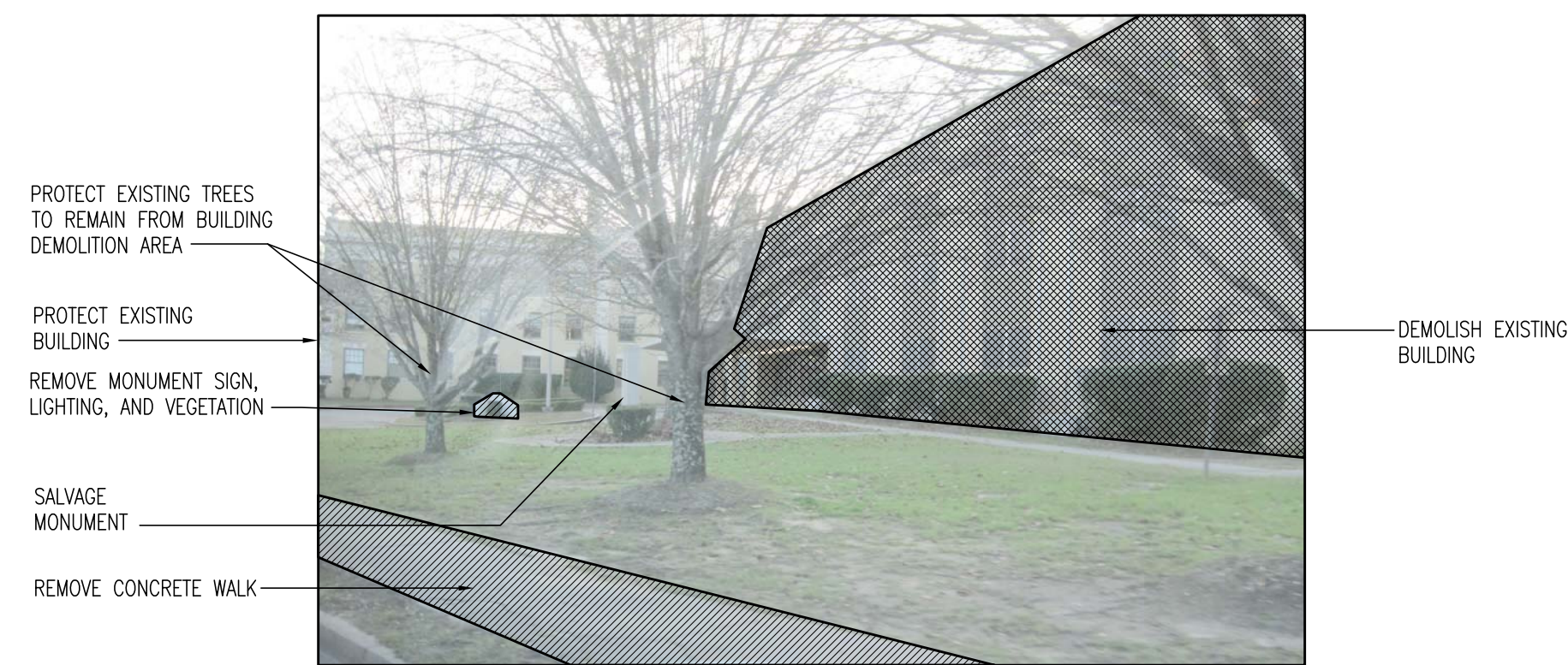
Drawn By: CP,AS
Checked By: CR,LA,CP
Client No: _____
Albert & Associates: 12575



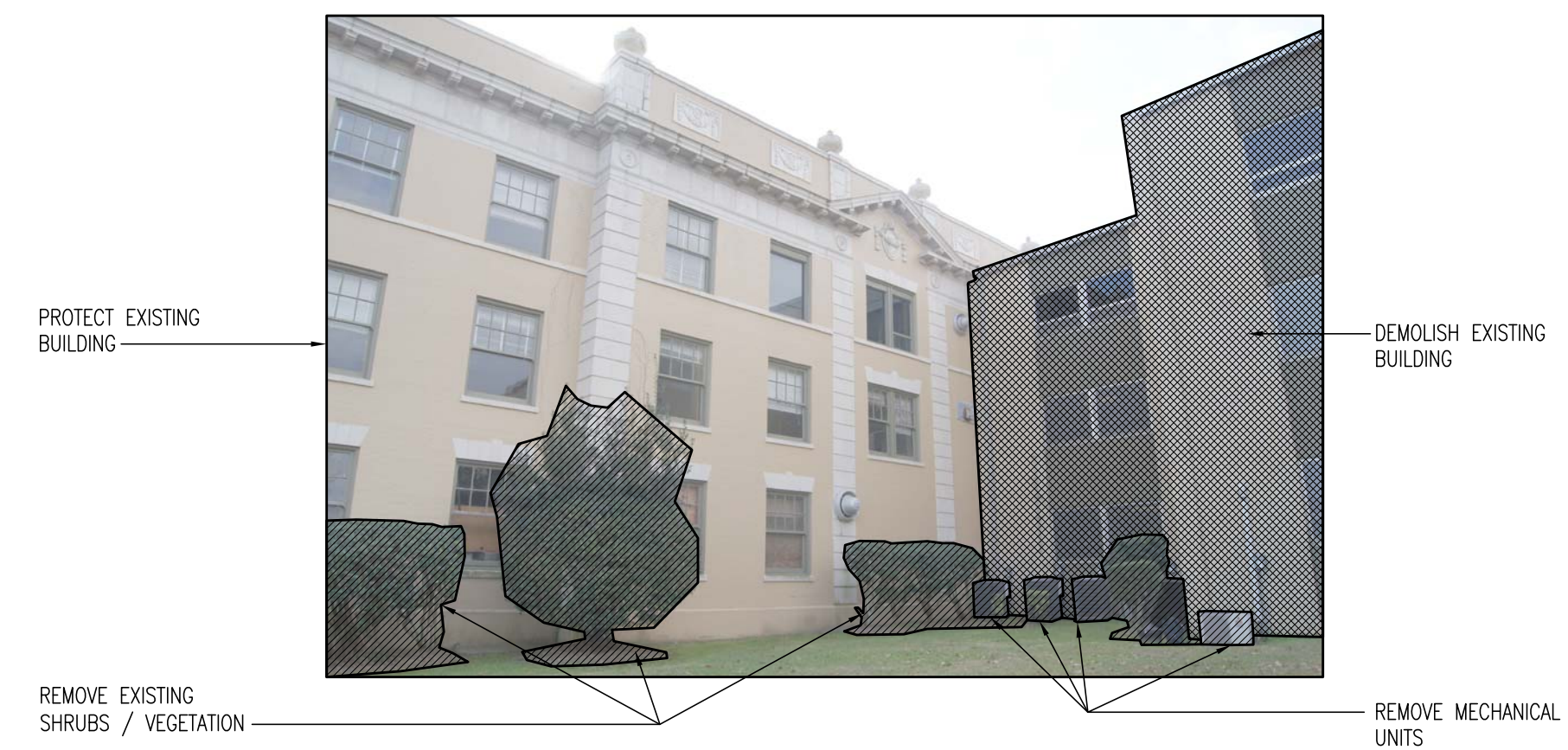
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1 Reference Photo
Date: December 19, 2012



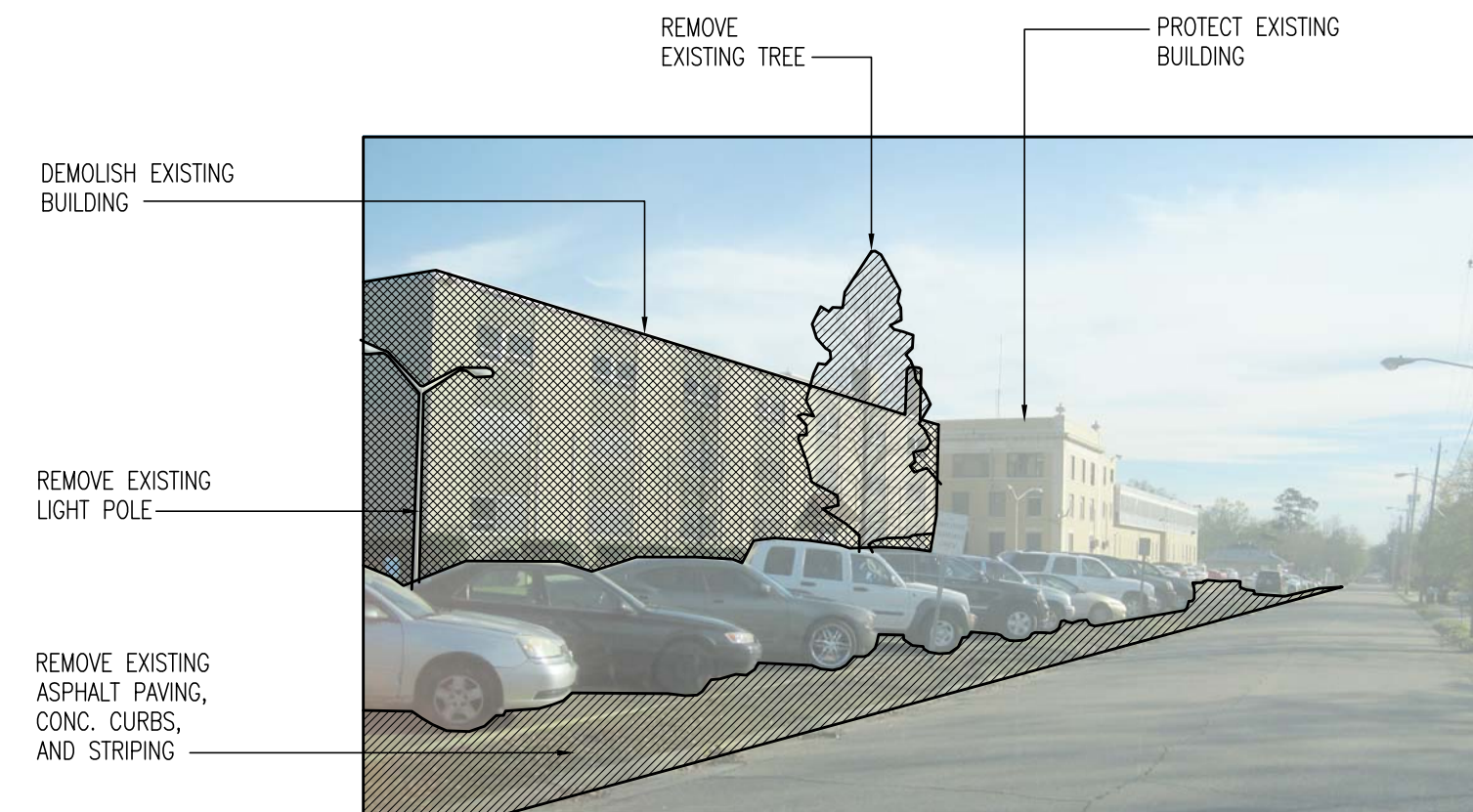
2 Reference Photo
Date: December 19, 2012



3 Reference Photo
Date: January 23, 2013



4 Reference Photo
Date: January 03, 2013



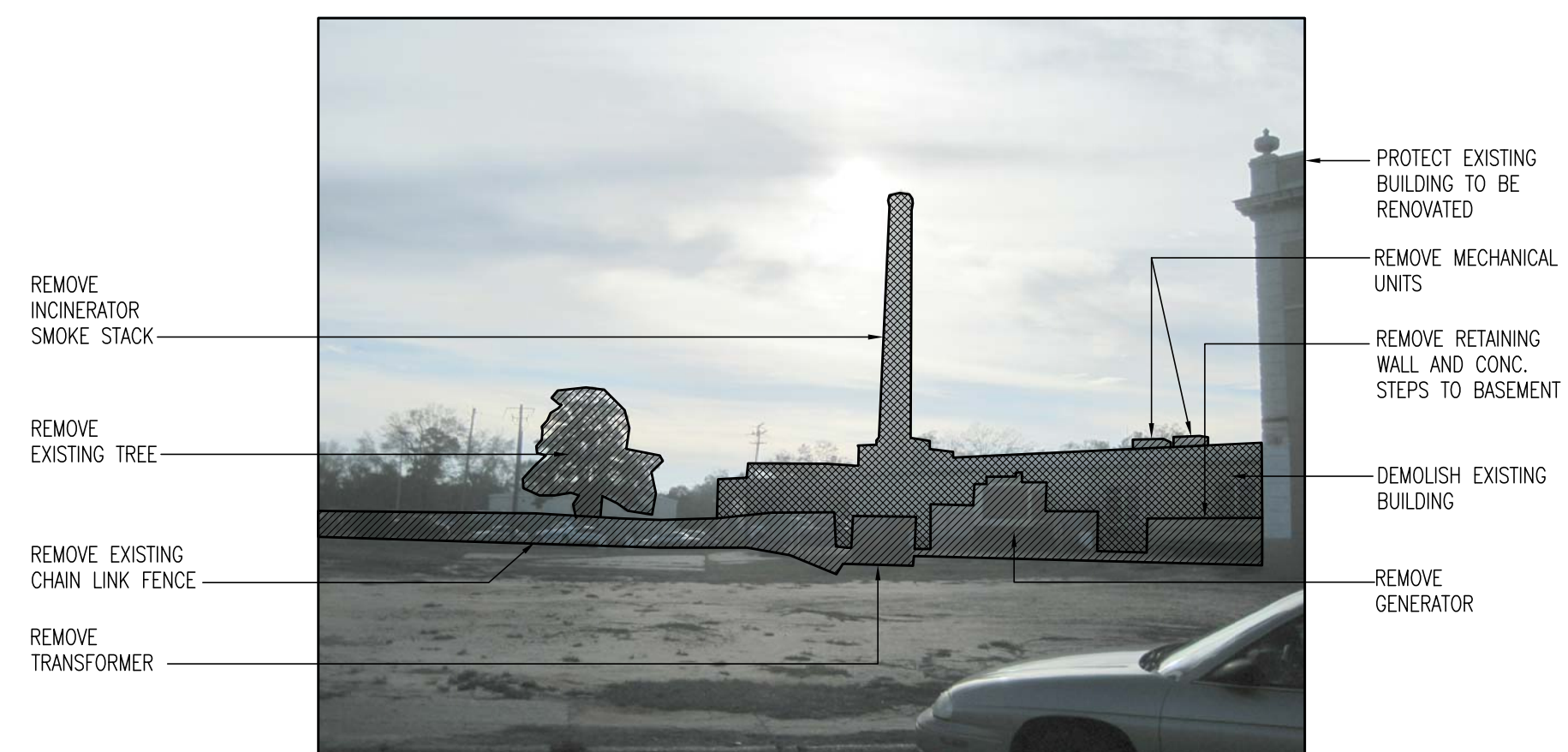
5 Reference Photo
Date: December 19, 2012



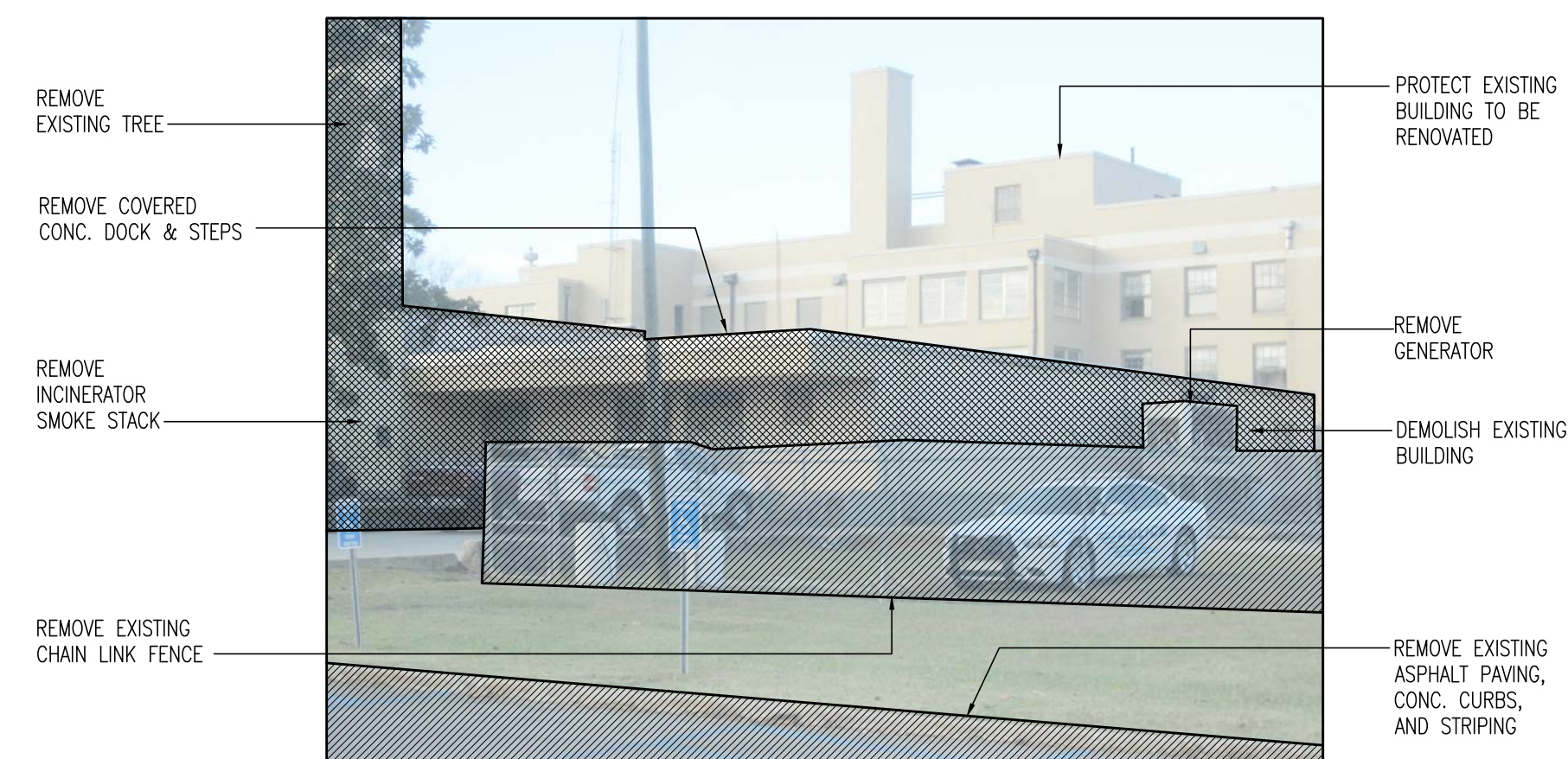
6 Reference Photo
Date: December 19, 2012



7 Reference Photo
Date: December 19, 2012



8 Reference Photo
Date: December 19, 2012



9 Reference Photo
Date: December 19, 2012

LEGEND:

DEMOLISH PHYSICAL SITE ITEMS

DEMOLISH EXISTING HOSPITAL / POLICE STATION

NOTES:

1. RE: CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR UTILITY DEMOLITION, REMOVAL, AND RELOCATION.

2. CONTRACTOR TO MAKE AVAILABLE TO OWNER ALL SALVAGEABLE MATERIAL BEFORE HAULING OFF SITE.



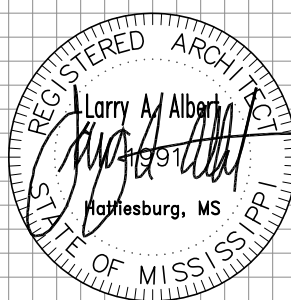
HATTIESBURG PUBLIC SAFETY COMPLEX

HATTIESBURG POLICE DEPARTMENT ■ HATTIESBURG FIRE DEPARTMENT ■ HATTIESBURG MUNICIPAL COURT ■

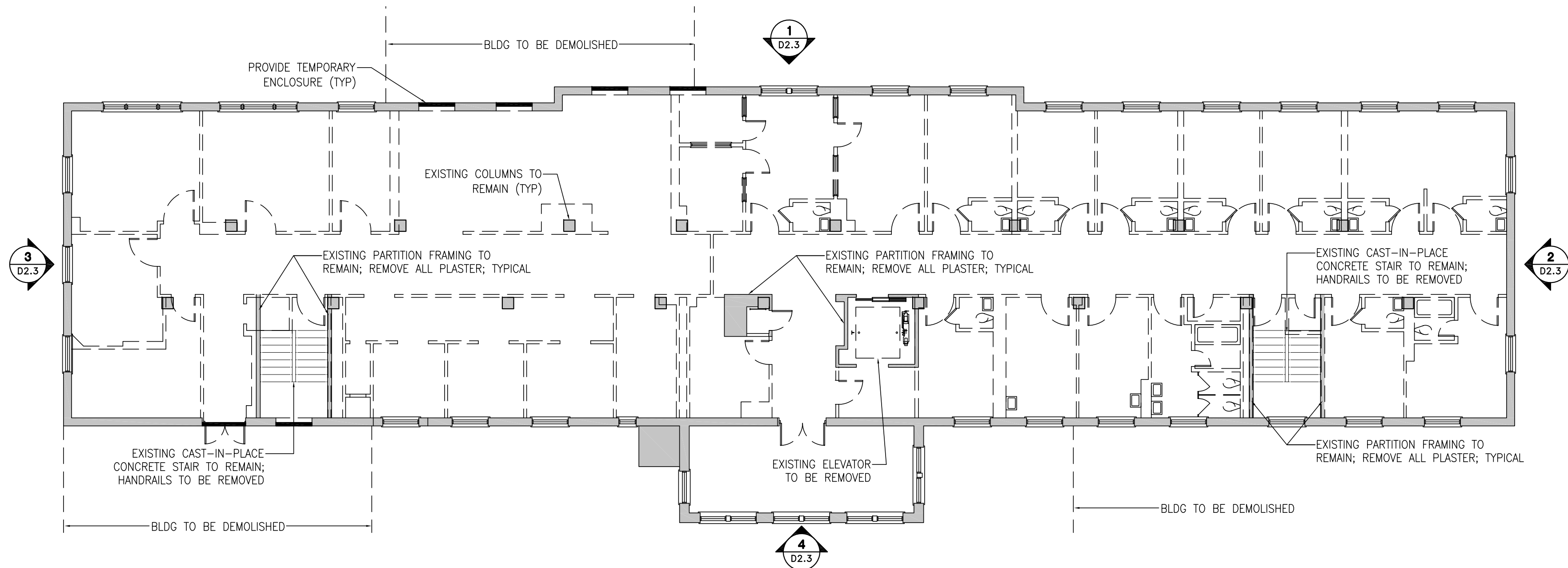
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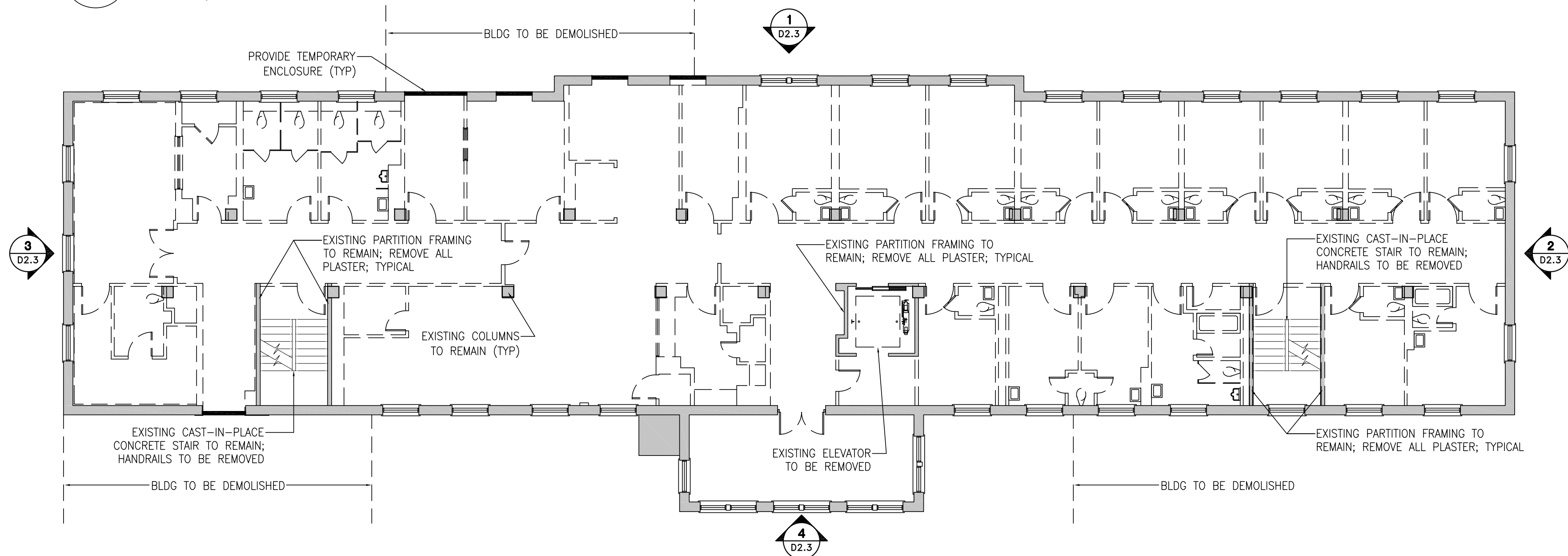


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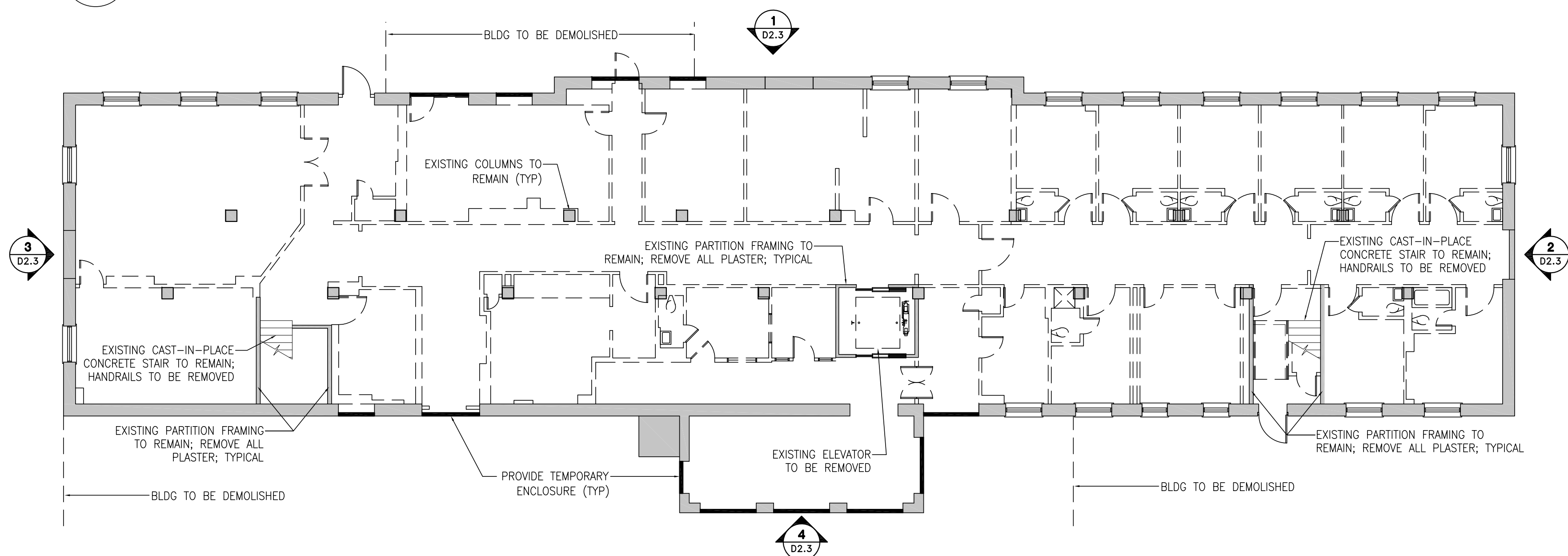
Third Floor Selective Demolition Plan

SCALE: 3/32" = 1'-0"



Second Floor Selective Demolition Plan

SCALE: 3/32" = 1'-0"



First Floor Selective Demolition Plan

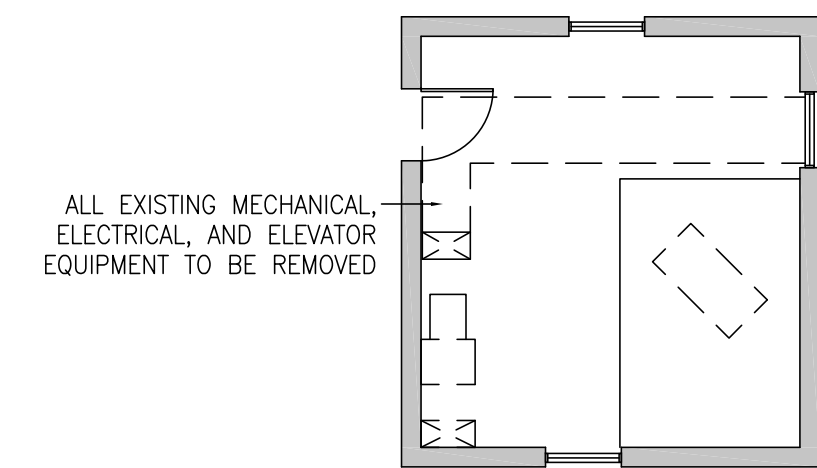
SCALE: 3/32" = 1'-0"

General Demolition Notes

1. THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL THAT IS REQUIRED IN ORDER TO ACCOMPLISH THE NEW WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE ENTIRE BUILDING AND THE SURROUNDING SITE. ENSURE THAT GAS, ELECTRIC, AND WATER SYSTEMS ARE SAFELY MONITORED AND PROTECTED DURING DEMOLITION.
3. THE PUBLIC WALKS AND STREETS TO REMAIN SHALL BE PROTECTED AND THE PROPER MEASURES TAKEN AND COORDINATED WITH THE CITY TO PROTECT PUBLIC SAFETY. THIS SHALL INCLUDE SAFE AND CLEAR LIMITS OF CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE DEMOLITION WORK AREA SAFE BY SHORING AND BRACING THE BUILDING AS REQUIRED DURING DEMOLITION AND DEBRIS REMOVAL. THE ARCHITECT SHALL BE CONTACTED WHENEVER UNCLEAR CONDITIONS EXIST.
5. THE CONTRACTOR SHALL REMOVE ALL EXISTING FLOOR, WALL AND CEILING COVERINGS EXCEPT WHERE NOTED OTHERWISE.
6. THE BUILDING MUST BE KEPT SECURE AND DRY DURING DEMOLITION. WHEN DEMO CONTRACT IS COMPLETE, INSTALL PROTECTIVE MEASURES TO ENSURE THE SECURITY AND CONTINUED WEATHERPROOFING OF THE BUILDING.
7. PROTECT EXISTING FINISHES TO REMAIN INCLUDING BUT NOT LIMITED TO FACE BRICK AND TERRA COTTA FROM DAMAGE DURING DEMOLITION.
8. IF DURING THE COURSE OF DEMOLITION A CONFLICT ARISES AS TO WHAT IS TO BE REMOVED, CONTACT THE ARCHITECT FOR ON-SITE CLARIFICATION BEFORE PROCEEDING.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL SALVAGED MATERIALS THAT ARE TO BE REUSED AND SHALL NEATLY STORE THEM IN A DRY WEATHER PROOF AREA ON SITE. ALL ITEMS TO BE STORED AS APPROVED BY ARCHITECT. CLEAN ALL SALVAGE ITEMS THOROUGHLY BEFORE STORING.
10. EXISTING INTERIOR BUILDING ELEMENTS TO REMAIN SHALL BE PROTECTED AS REQUIRED.
11. ANY AND ALL AREAS OF TERRAZZO FLOORING DISCOVERED DURING DEMOLITION ARE TO REMAIN AND BE PROTECTED.
12. IF ANY ITEM THAT IS TO REMAIN OR BE REUSED IN THE PROJECT IS DAMAGED, ALL EXPENSES INCURRED IN REPRODUCING ANY DAMAGED ITEM WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL REPLACEMENT REPRODUCTIONS SHALL BE APPROVED BY THE ARCHITECT FOR ACCURACY.
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14. ELECTRICAL: THE FINAL PROJECT WILL UTILIZE A COMPLETELY NEW ELECTRICAL SYSTEM. THE DEMOLITION CONTRACTOR IS TO REMOVE ALL EXTERIOR AND INTERIOR ELECTRICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO: WIRING, LIGHT FIXTURES IN AND AROUND BUILDING, BOTH INTERIOR AND EXTERIOR CONDUIT, ETC. UNLESS NOTED OTHERWISE.

Legend

- EXISTING WALL TO REMAIN
- EXISTING WALL, DOOR, WINDOW, PLUMBING FIXTURE TO BE REMOVED
- NEW TEMPORARY PARTITION



Penthouse Demo Plan

SCALE: 3/32" = 1'-0"

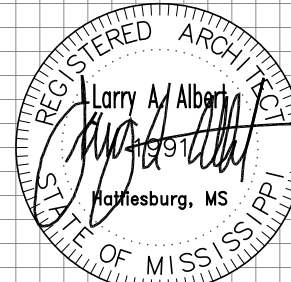


HATTIESBURG PUBLIC SAFETY COMPLEX
HATTIESBURG POLICE DEPARTMENT ■ HATTIESBURG FIRE DEPARTMENT
HATTIESBURG MUNICIPAL COURT ■

HPSC Demolition Package

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Albert & Associates: 12575



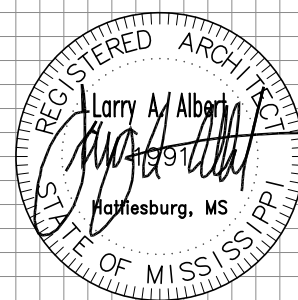
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HPSC Demolition Package

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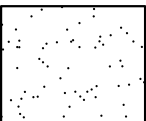
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Albert & Associates: 12575

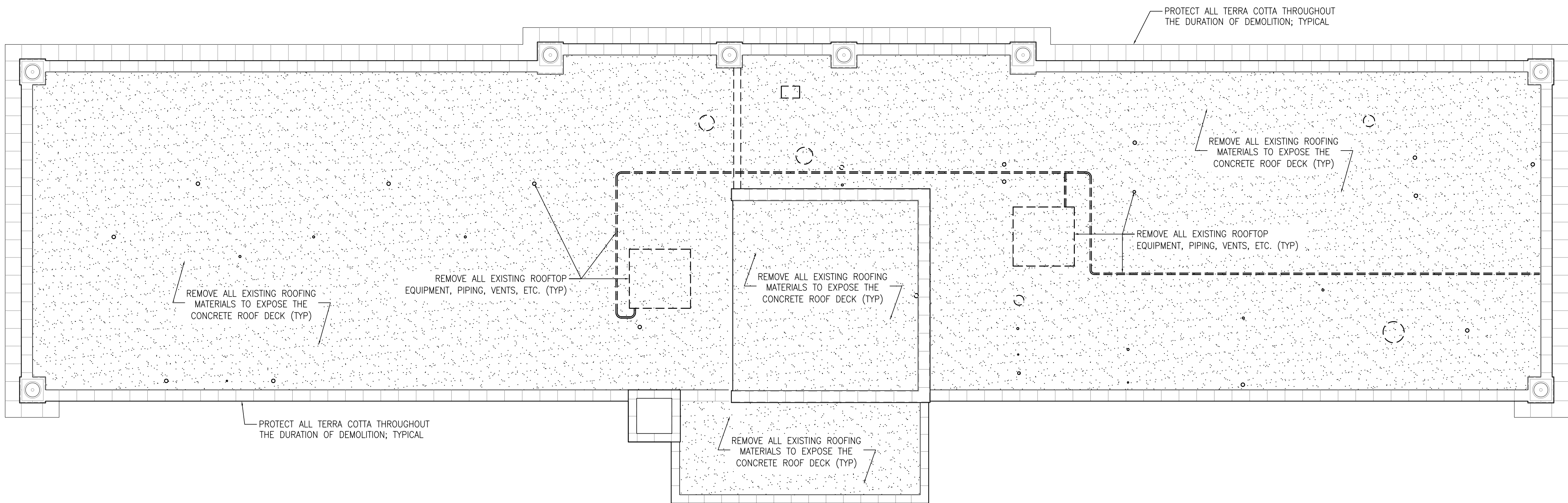


General Roof Demolition Notes

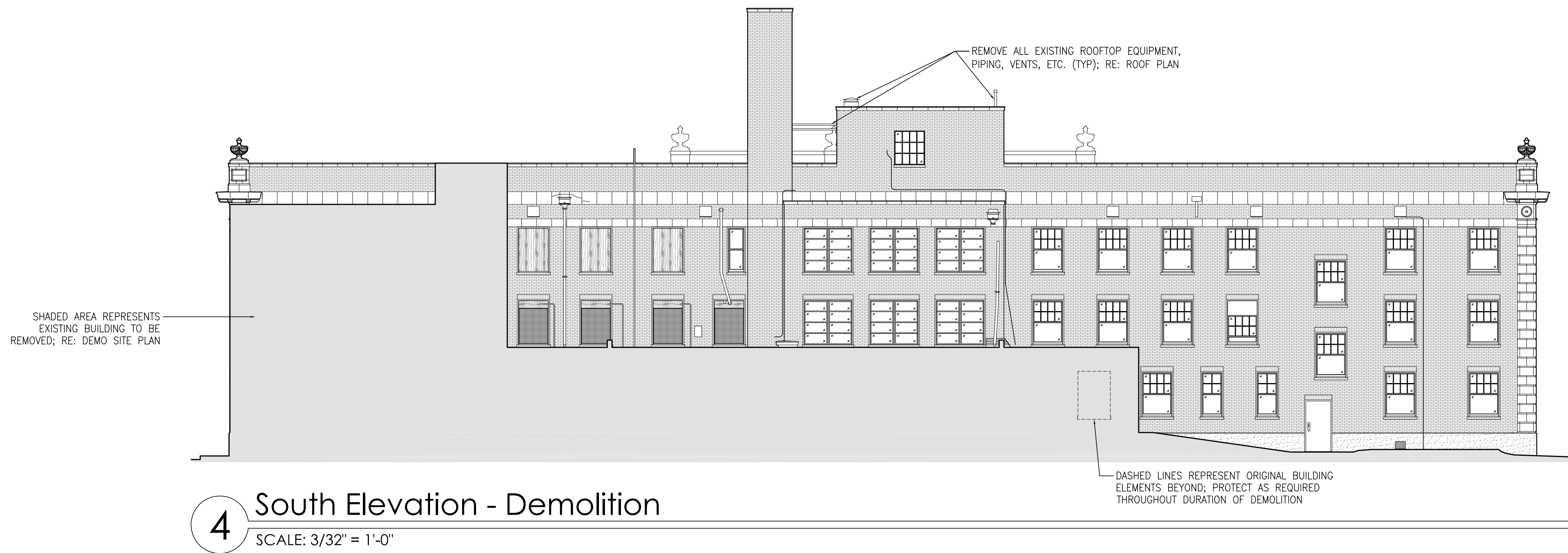
1. DEMO EXISTING BUILT-UP ROOFING: REMOVE AND DISCARD ALL BUILT-UP ROOFING MATERIALS INCLUDING INSULATION, FLASHING, UNDERLAYMENT, AND ACCESSORIES TO EXPOSE THE ORIGINAL ROOF DECKING.
2. DEMO ALL ROOF TOP EQUIPMENT: REMOVE AND DISCARD ALL ROOF TOP EQUIPMENT INCLUDING BUT NOT LIMITED TO HVAC EQUIPMENT, PIPING, CONDUIT, AND MISC. CONSTRUCTION NOT ORIGINAL TO BUILDING.
3. ALL TERRACOTTA BUILDING ELEMENTS ARE TO BE PROTECTED THROUGHOUT THE DURATION OF DEMOLITION.
4. THE CONTRACTOR IS RESPONSIBLE TO REMOVE ALL THAT IS REQUIRED IN ORDER TO ACCOMPLISH THE NEW WORK.
5. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE DEMOLITION WORK AREA SAFE BY SHORING AND BRACING THE BUILDING AS REQUIRED DURING DEMOLITION AND DEBRIS REMOVAL. THE ARCHITECT SHALL BE CONTACTED WHENEVER UNCLEAR CONDITIONS EXIST.
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Roof Demolition Legend

- EXISTING ROOFTOP ITEMS TO BE DEMOLISHED
-  EXISTING ROOF SYSTEM TO BE DEMOLISHED

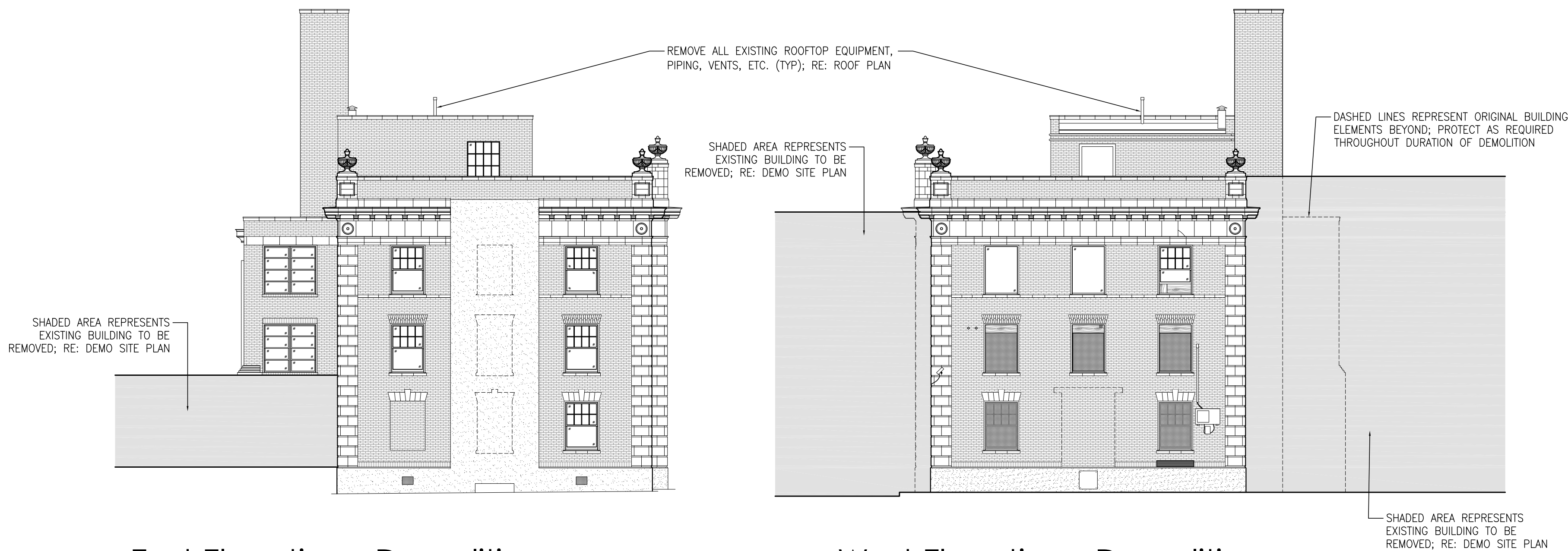


Demolition Roof Plan
SCALE: 1/8" = 1'-0"



4 South Elevation - Demolition

SCALE: 3/32" = 1'-0"

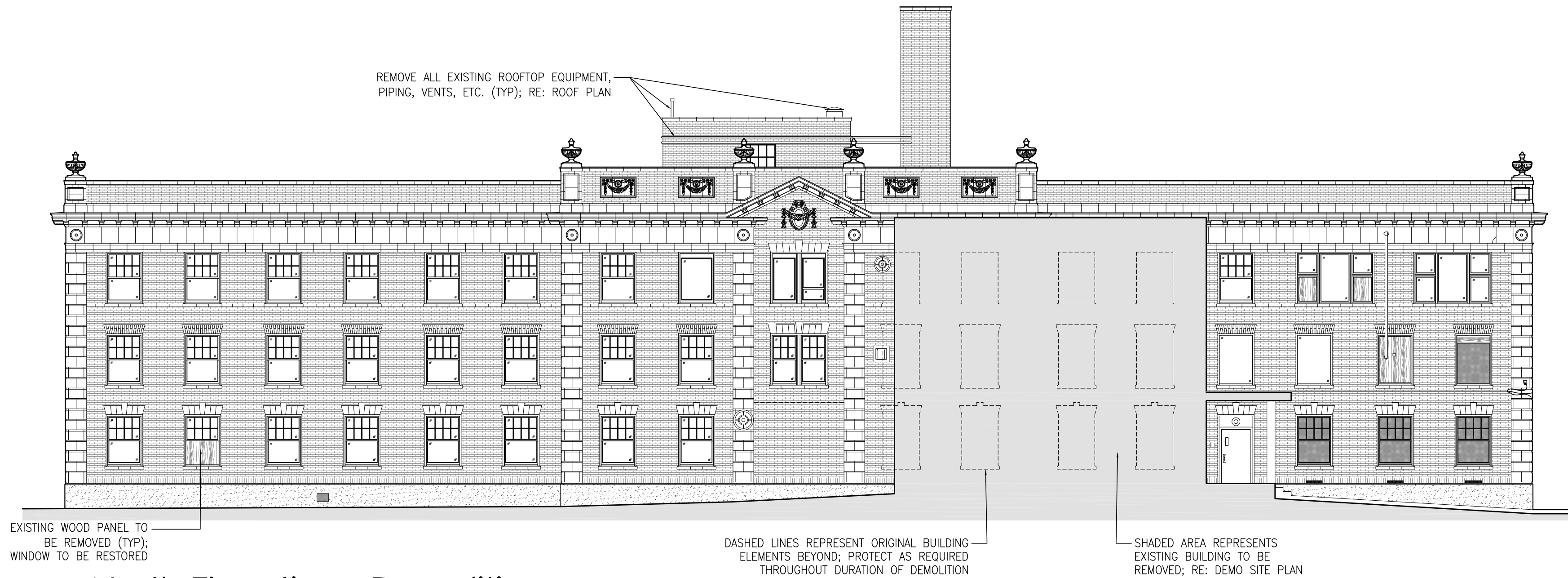


2 East Elevation - Demolition

SCALE: 3/32" = 1'-0"

3 West Elevation - Demolition

SCALE: 3/32" = 1'-0"



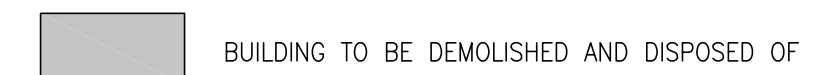
1 North Elevation - Demolition

SCALE: 3/32" = 1'-0"

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Demolition Elevation Legend



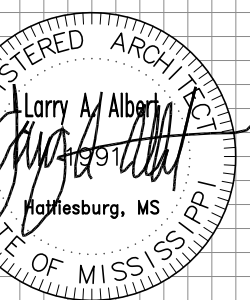
HATTIESBURG PUBLIC SAFETY COMPLEX

HATTIESBURG POLICE DEPARTMENT ■ HATTIESBURG FIRE DEPARTMENT ■ HATTIESBURG MUNICIPAL COURT

HPSC Demolition Package

Drawing Issued:
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12-01-2017 100% Bid Docs

Drawn By: CP,AS
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Albert & Associates: 12575



D2.3

THE CITY OF HATTIESBURG

PUBLIC SAFETY COMPLEX

HISTORIC HOSPITAL BUILDING
POLICE AND COURT BUILDING

Demolition Package

PROJECT MANUAL

December 1, 2017

Albert & McCleskey Associates Architects
Hattiesburg, Mississippi

PROJECT MANUAL
FOR
THE CITY OF HATTIESBURG
PUBLIC SAFETY COMPLEX
HATTIESBURG, MISSISSIPPI

December 1, 2017



ARCHITECTURAL
ALBERT & McCLESKEY ASSOCIATES ARCHITECTS
PO BOX 449
HATTIESBURG, MS 39403
601.544.1970 VOICE
larry@albertassociates.com

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ADVERTISEMENT FOR BIDS
FORM OF PROPOSAL

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00 80 00	SUPPLEMENTARY CONDITIONS
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D2.3	SELECTIVE DEMO ELEVATIONS

END OF INDEX OF DRAWINGS

ADVERTISEMENT FOR BIDS

Sealed bids will be received by the City of Hattiesburg at the Hattiesburg City Council Chamber located at 200 Forrest Street, Hattiesburg, MS, 39401 until 10 a.m. local time on Thursday, January 25, 2018, at which time all proposals will be opened and read aloud for:

Hattiesburg Public Safety Complex Demolition Package
701 James Street
Hattiesburg, Mississippi 39401

Bid documents may be obtained from Albert & McCleskey Associate Architects via ar-architects.sharefile.com. Login information (username and password) will be provided by Albert & McCleskey Associate Architects (601) 544-1970. Bid documents are also available in hard copy form for a deposit of \$75.00 per set of documents, made payable to Albert & McCleskey Associate Architects. 100% of the deposit will be refunded to all document holders upon the return of the documents to the Architect in good condition no later than 10 calendar days after the bid date. Bid preparation shall be in accordance with Instructions to Bidders bound in the Project Manual.

A Pre-bid meeting will be held on Tuesday, January 16, 2017 at 2:00 p.m. at The Hattiesburg Public Safety Complex site. Attendance by all Bidders is strongly encouraged.

Each bid must be received in a sealed envelope which is marked in the lower left-hand corner with the legend, "Hattiesburg Public Safety Complex Demolition Package".

No bid may be withdrawn for a period of sixty (60) days. The lowest and best proposal received will be accepted, subject to the provisions of Section 31-7-13 of the Mississippi Code of 1972, Annotated and Amended, and other applicable State law; but the Council reserves the right to reject any or all proposals received and to waive informalities or irregularities therein.

Authorized by:
Kermas Eaton
City of Hattiesburg

Publication Dates: December 27, 2017 and January 3, 2018
Publish In: The Post and Clarion Ledger

FORM OF PROPOSAL

DATE: _____

PROPOSAL FROM: _____
(List Company Name)

TO OWNER: CITY OF HATTIESBURG
Hattiesburg, Mississippi 39401

PROJECT: HATTIESBURG PUBLIC SAFETY COMPLEX DEMO PACKAGE
Hattiesburg, Mississippi 39401

LADIES & GENTLEMEN:

Having carefully examined all Contract Documents and addenda for the construction of the project in caption, the undersigned purposes to furnish all labor, materials and services required for the construction in accordance with these documents for the sum as follows:

BASE BID:

_____. DOLLARS
(\$ _____)

TIME: The undersigned agrees to complete the work within _____ calendar days from the date of the Notice to Proceed issued by the Architect. It is also agreed that this proposal/contract price will be valid for the minimum time of **45 DAYS** from the date of opening.

ALTERNATES: (SEE SECTION 01 35 00) Not applicable to this project.

UNIT PRICES: Not applicable to this project.

BID SECURITY:

Bid Security in the form of _____ is attached in the amount of \$ _____

ADDENDA:

Receipt of the following addenda is acknowledged:

Addendum No: _____ Dated: _____

Addendum No: _____ Dated: _____

Addendum No: _____ Dated: _____

Addendum No: _____ Dated: _____

Addendum No: _____ Dated: _____

Addendum No: _____ Dated: _____

GENERAL CONTRACTOR:

Mississippi Certificate of Responsibility No: _____

Resident Contractor: _____

Non-Resident Contractor*: _____

**Attach copy of Non-Resident Bidder's Preference Law (See Paragraph 1.03 of Section 00 10 00, Instructions to Bidders)*

ACCEPTANCE:

I certify that I am authorized to enter into a binding contract, if this Proposal is accepted.

Signature: _____

Typed Name & Title: _____

Company Name: _____

Address: _____

City, State, Zip Code: _____

Phone, Fax, Email: _____

DIRECTIONS FOR MAILING:

See *INSTRUCTIONS TO BIDDERS [SECTION 00 10 00]* for mailing directions.

END OF FORM OF PROPOSAL

SECTION 00 10 00

INSTRUCTIONS TO BIDDERS

PART 1 - GENERAL

- 1.01 **QUESTIONS:** Questions shall be directed to the Professional. Bidders finding discrepancies in or omissions from the Drawings or Project Manual, or requiring clarification or interpretation of the Bidding Documents, shall submit written requests to the Architect within the proper timeframe as defined by the State of Mississippi Bid Laws. Interpretations, corrections and modifications of the Bidding Documents will be made by addendum. Specific cutoff dates regarding submission of questions or issuance of addenda shall be provided at the Pre-Bid Conference, if applicable, and/or by addendum. Any interpretations, corrections or modifications to the Bidding Documents made in any manner other than by addendum shall not be binding and shall not be relied upon when submitting bids. If Contractor does not notify the Professional about discrepancies within proper time during bidding, bids shall be based on the most expensive combination of quality and quantity of work indicated.
- 1.02 **BIDDER'S QUALIFICATIONS:**
- A. **Certificate of Responsibility:** The Mississippi State Board of Contractors is responsible for issuing Certificates of Responsibility to Contractors. To be awarded a Contract for public work, Sections 31-3-15 and 31-3-21 of the **Mississippi Code 1972, Annotated** requires a Contractor to have a current Certificate of Responsibility at bid time and during the entire length of the job. The Certificate of Responsibility number issued becomes a significant item in all public bidding.
 - B. **Bid Under \$50,000:** If a Bidder submits a bid not exceeding \$50,000, no Certificate of Responsibility number is required; however, a notation stating the *bid does not exceed \$50,000* must appear on the face of the envelope, or a Certificate of Responsibility number.
 - C. **Bid Over \$50,000:** Each Bidder submitting a bid in excess of \$50,000 must show its Certificate of Responsibility number on the bid and on the face of the envelope containing the bid.
 - D. **Joint Venture Bid:** When multiple Contractors submit a joint venture bid in excess of \$50,000, a *joint venture* Certificate of Responsibility number must be shown on the bid and on the face of the envelope containing the bid. If the Multiple-Contractor joint venture has no *joint venture* Certificate of Responsibility number, each of the Contractors participating in the bid must indicate their individual Certificate of Responsibility numbers on the bid and on the face of the envelope.
- 1.03 **NON-RESIDENT BIDDER:** When a non-resident Bidder (a Contractor whose principal place of business is outside the State of Mississippi) submits a bid for a Mississippi public works project, one of the following is required and shall be submitted with the Proposal Form:
- A. **Copy of Law:** If the non-resident Bidder's state has a resident Bidder preference law, a copy of that law shall be submitted with the Proposal Form.
 - B. **Statement:** If the state has no such law, then a statement indicating *the State of (Name of State) has no resident Contractor preference law* shall be submitted with the Proposal Form.
- 1.04 **DISQUALIFICATION OF BIDDER:** A Bidder may be disqualified for any of the following reasons:
- A. Bidder being in arrears on existing Contracts.
 - B. Bidder being in litigation (currently or in the past) with the Owner, or the Using Agency.

- C. Bidder having defaulted on a previous Contract.
- D. Bidder being in litigation with the Architect currently or in past projects.

- 1.05 **CONDITIONS OF WORK:** Each Bidder must fully inform himself of all conditions relating to the construction of the Project and employment of labor thereon. Failure to do so will not relieve a successful Bidder of obligations to furnish all material and labor necessary to carry out the provisions of the Contract. Insofar as possible, the Bidder must employ methods, or means, which will not cause interruption of, or interference with, the work of any other Bidder, or Contractor.
- 1.06 **EXAMINATION OF SITE:** All Bidders, including the general Contractor and Subcontractors, shall visit the building site, compare the Drawings and Project Manual with any work in place and be informed of all conditions. Failure to visit the site will in no way relieve the successful Bidder from furnishing any materials or performing any work required to complete work in accordance with Drawings and Project Manual without additional cost to the Owner.
- 1.07 **LAWS AND REGULATIONS:** The Bidder's attention is directed to the fact that all applicable Federal, State and Local laws, rules and regulations of all authorities having jurisdiction over construction of the Project apply to the Contract.
- 1.08 **OBLIGATION OF BIDDER:** At the bid opening, each Bidder will be presumed to have inspected the site, read and become thoroughly familiar with the Drawings and the Project Manual, including all addenda.
- 1.09 **BIDDING DOCUMENTS:** The Bidding Documents include the Bidding Requirements and the proposed Contract Documents. The Bidding Requirements consist of the Advertisement or Invitation to Bid, Instructions to Bidders, Supplementary Instructions to Bidders, the Form of Proposal, and any other sample bidding and contract forms. The proposed Contract Documents consists of the Standard Form of Agreement Between Owner and Contractor, the General Conditions of the Contract for Construction (along with any Supplementary, Special or other Conditions), Drawings, Specifications and all addenda issued prior to the execution of the Contract.
- 1.10 **ISSUANCE OF BIDDING DOCUMENTS:** Only complete sets of Bidding Documents will be issued to Bidders. The Bidding Documents are to be viewed and considered in their entirety, and the Owner and Architect assume no responsibility for misunderstandings of the Bidding Documents due to the use of partial or incomplete sets. Bidding Documents are intended strictly for the purpose of obtaining bids on the work defined therein, and no license of use is granted by their issuance to a Bidder.
- 1.11 **ELECTRONIC BIDDING DOCUMENTS:** In addition to physical sets of Bidding Documents, electronic copies, in PDF format, may be issued via Albert & McCleskey Associates Architects secure electronic file server. Bidders will be issued a username and password to access the file server with permission granted to view, download and print the Bidding Documents specific to the Project being bid. Once issued, Bidders are responsible for maintaining their own passwords as Albert & McCleskey Associates Architects does not have access to this personal information. The same username and password will be utilized by the Bidder for any subsequent responses to Advertisements or Invitations to Bid, as well as throughout the Project's Construction Administration phase should the Bidder be awarded the Contract. Bidders are responsible for any hardware and/or software requirements to view and utilize the electronic Bidding Documents.

- 1.12 **BID DOCUMENT DEPOSIT AND RETURN:** Complete sets of Bidding Documents may be obtained from Albert & McCleskey Associates Architects, which may be contacted at 601-544-1970. The deposit amount and nature of its refundability shall be as defined in the Advertisement or Invitation to Bid. If designated as refundable, deposits will be refunded to Bidders who return complete and fully bound sets of Bidding Documents, free of any damage, markings, or annotations, within 10 calendar days of the bid opening date. No partial refunds will be given for damaged Bidding Documents.

PART 2 - PROPOSAL FORM

- 2.01 **METHOD OF BIDDING:** Lump sum, single bids received on a general contract will include general, mechanical and electrical construction and all work shown on Drawings or specified in the Project Manual.
- 2.02 **PROPOSAL FORMS:** The Bidder shall make all proposals on forms provided and shall fill all applicable blank spaces without interlineations or alteration and must not contain recapitulation of the work to be done. All sums shall be expressed in both written and numerical formats with the written amount taking precedence should a discrepancy exist. No oral, telegraphic, facsimile, or any other electronic format of proposals shall be considered.
- 2.03 **TIME OF COMPLETION:** The Bidder shall agree to commence work on, or before, a date specified in a written *Notice to Proceed* and fully complete the Project within the calendar days indicated on the Proposal Form.
- 2.04 **ALTERNATES:** The Proposal Form shall contain a brief description of each alternate modifying the scope of work. The Bidder shall write out the numerical amount for each alternate. Refer to Section 01035 entitled *Alternates* for additional information.
- 2.05 **SUBSTITUTIONS:** No substitutions, qualifications or redefining of the Specification requirements are allowed to be marked on the Proposal Form, unless specifically required by the Bid Documents. Refer to Section 01 63 00 entitled *Substitutions and Product Options* which covers procedures after the award of Contract.
- 2.06 **ADDENDA:** Any addenda to the Drawings or Project Manual issued before or during the time of bidding shall be included in the proposal and become a part of the Contract. Addenda will be issued only to those Bidders who have obtained complete sets of Bidding Documents directly from the office of Albert & McCleskey Associates Architects. Any Bidder who obtains Bidding Documents from any other source, such as plan rooms, shall be responsible for ensuring receipt of addenda from that same source. The Proposal Form will have ample space to indicate the receipt of addenda. When completing the Proposal Form, the Bidder shall list the addendum number and the date received in spaces provided.
- 2.07 **BIDDER IDENTIFICATION:**
- A. **Signature:** The Proposal Form shall be signed by any individual authorized to enter into a binding agreement for the Business making the bid proposal.
 - B. **Name of Business:** The name appearing on the Proposal Form shall be the same as the name appearing in the current Mississippi State Board of Contractors Roster.
 - C. **Legal Address:** The address appearing on the Proposal Form shall be the same address appearing in the current Mississippi State Board of Contractors Roster.

- D. **Certificate of Responsibility Number(s):** The Certificate of Responsibility Number(s) appearing on the Proposal Form shall be the same number appearing in the current Mississippi State Board of Contractors Roster.

2.08 **BID SECURITY:** The Bid Security shall be in the form of a Bid Bond or a Certified Check:

- A. **Bid Bond:** The Bidder may submit a Bid Bond by a Surety licensed in the State of Mississippi in the amount of five percent (5%) of the base bid. The Bid Bond shall be duly executed by the Bidder, the Surety and a Mississippi resident agent. (No standard form is required for the Bid Bond.)
- B. **Certified Check:** The Bidder may submit a certified check made out to the Owner's Name (listed on the Form of Proposal) in the amount of five percent (5%) of the base bid. All checks received from Bidders will be returned upon request, unless a Bidder is one (1) of the three (3) apparent low Bidders. The three (3) apparent low Bidder's checks will be held for forty-five (45) days, unless a Contract is awarded and executed in less time.

2.09 **POWER OF ATTORNEY:** Each bid security must be accompanied by an appropriate Power of Attorney. A Power of Attorney is not necessary to accompany a certified check.

PART 3 - SUBMITTING THE PROPOSAL FORM

- 3.01 **SUBMITTAL:** A bid must be delivered to the address indicated on the Advertisement for Bids prior to the time and date stated. Bids shall be submitted in **duplicate** and sealed in an opaque envelope marked, mailed or hand-delivered as follows:

(In upper left-hand corner)

Name of Firm

(As it appears in the current Mississippi
State Board of Contractors Roster)

BID FOR: **HATTIESBURG PUBLIC SAFETY COMPLEX DEMO PACKAGE**

BID OPENING: *(place bid date and time here)*

(Bid shall be addressed and delivered to)

BID FOR HATTIESBURG PUBLIC SAFETY COMPLEX DEMO PACKAGE

ATTENTION: KERMAE EATON

P.O. Box 1898

Hattiesburg, Mississippi 39403-1898

(In lower left-hand corner)

Certificate of Responsibility # _____ (for over \$50,000.00)

Under \$50,000.00 (add statement)

If the Bid is mailed or sent via private carrier, the bid envelope shall be placed inside a second envelope to prevent inadvertent, premature opening of the Proposal. If the bid is sent via private carrier then send it to: ALBERT & MCCLESKEY ASSOCIATES ARCHITECTS 200 Forrest St., Hattiesburg, MS 39401. **IT IS THE BIDDERS RESPONSIBILITY TO ENSURE THAT HIS OR HER BID HAS BEEN RECEIVED BY THE CONTACT LISTED ABOVE OR LISTED ON THE ADVERTISEMENT TO BID BEFORE THE BID OPENING TIME. THE OWNER RESERVES THE RIGHT TO WAIVE ANY BIDS NOT RECEIVED BY HIM BEFORE THE BID TIME.**

- 3.02 **MODIFICATION TO BID:** A bidder may modify the bid prior to the scheduled closing time indicated in the Advertisement for Bids in the following manner:

A. **Notification on Envelope:** A modification may be written on the outside of the sealed envelope containing the bid and initialed by an owner representative.

- 3.03 **WITHDRAWAL OF BID:** Any bid may be withdrawn prior to the scheduled time for opening of bids. However, bids may not be withdrawn until sixty (60) days after bid opening. Any withdrawn Bid, if fully compliant with the Instructions to Bidders, may be resubmitted up to the time and date indicated for Bid Opening.

PART 4 - BID OPENING AND AWARD OF CONTRACT

- 4.01 **OPENING OF BIDS:** Bids will be publicly opened shortly after the time stated in the Advertisement for Bids. Bidder representatives are invited; however, attendance is not mandatory.

- 4.02 **IRREGULARITIES:** The omission of any information requested on the Proposal Form may be considered as an informality or irregularity by the awarding public body when, in its opinion, the omitted information does not alter the amounts contained in the submitted bid proposal or place other Bidders at a disadvantage.
- 4.03 **PROTEST:** Any protest must be delivered in writing to the Owner within twenty-four (24) hours after the bid opening.
- 4.04 **ERRORS:** Any claim of error and request for release from bid must be delivered in writing to the Owner within twenty- four (24) hours after the bid opening. The Bidder shall provide sufficient documentation with the written request clearly proving an error was made.
- 4.05 **AWARD OF CONTRACT:** The Owner reserves the right to reject any or all bids. A Contract will be awarded on the basis of the low base bid, or low combination of base bid and those alternates selected by the Owner in any order determined to be in the best interest of the Owner and which produces a total cost within available funds. Any Bid not accompanied by all data required by the Bidding Documents, including Bid Security, or any Bid which is considered to be incomplete or irregular in any way is subject to rejection.
- 4.06 **FAILURE TO ENTER INTO A CONTRACT:** The Bidder shall forfeit the Bid Security to the Owner as liquidated damages for failure, or refusal, to execute and deliver the Contract, Bond and Certificate of Insurance within ten (10) days after notice of the acceptance of the bid.
- 4.07 **SECURITY FOR FAITHFUL PERFORMANCE:** Simultaneously with delivery of the executed Contract, the Contractor will furnish a Performance Bond, or Bonds, as security for faithful performance of all Work in connection with this Contract; a Labor and Materials Payment Bond, as security for the payment of all persons supplying labor or materials for completion of the Work in connection with this Contract; and a Bond of Payment of Taxes and other Assessments, as security for payment of all taxes and assessments in connection with this Contract. The Surety on such Bond, or Bonds, will be a duly authorized surety company satisfactory to the Owner and meeting all of the following requirements:
- A. Licensed at the time of award by the State of Mississippi's Commissioner of Insurance for the purpose of providing surety.
 - B. Listed at the time of award in the Department of the Treasury's **Federal Register** as a company holding certificates of authority as acceptable sureties on Federal Bonds, commonly referred to as the Treasury List.
 - C. All Bonds shall be executed on the form provided in the Project Manual under Section 00 60 00 entitled *Contract Bond*.
 - D. All Bonds shall be countersigned by a Mississippi resident agent with the name and address typed, or lettered legibly.
 - E. All Bonds must be accompanied by an appropriate Power of Attorney.

END OF SECTION

SECTION 00 50 00

AGREEMENT FORM

PART ONE - GENERAL

1.01 DESCRIPTION

- A. SCOPE: The agreement form between the Owner and the Contractor shall be AIA Document A101, 2007 Edition, where the basis of payment is a stipulated sum.
- B. COPY: Contractors are presumed to be familiar with this document, a copy of which may be obtained from the Professional or examined in this office.
- C. LIQUIDATED DAMAGES: Time being of the essence and a matter of material consideration thereof, a reasonable estimate in advance is established to cover losses incurred by the Owner if the project is not substantially complete on the date set forth in the Contract Documents. The Contractor and his Surety will be liable for and will pay the Owner the sums stipulated in Paragraph 2.2 of the Standard Form of Agreement Between the Owner and the Contractor as fixed and agreed as liquidated damages for each calendar day of delay until the work is substantially complete, unless circumstances dictate otherwise in the discretion of the Owner.

THE AMOUNT OF LIQUIDATED DAMAGES SET FOR THIS PROJECT IS:

***** Five Hundred Dollars (\$500.00) per day *****

- D. APPLICATION FOR PAYMENT: See *Section 01 27 00 Applications for Payment* for requirements.
- E. FORM OF PROPOSAL: The Contractor's "Form of Proposal" (bid form) is part of the Contract Documents.
- F. CONTRACT TIME: As stipulated (or as bid) in the "Form of Proposal".
- G. RETAINAGE: The Owner will retain, until the Work is one hundred percent (100%) complete, ten percent (10%) of the amount due the Contractor on account of progress payments. No reduction in retainage will be made until final payment is made, except that when the initial contract award is in an amount equal to or greater than \$750,000.00, then whenever such Work is fifty percent (50%) complete and on schedule and satisfactory, in the opinion of the Professional with concurrence of the Owner, fifty percent (50%) of the retainage will be returned to the Contractor and five percent (5%) will be retained on all subsequent progress payments.

END OF SECTION

SECTION 00 60 00

CONTRACT BOND

I. PREAMBLE

KNOW ALL MEN BY THESE PRESENTS: THAT _____,
Principal, a _____, residing at
_____, authorized to do business in the State of Mississippi under the laws thereof,
and _____ Surety, a corporation of the
State of _____, authorized to do business in the State of Mississippi under the laws thereof,
are held and firmly bound unto _____, Obligee, hereinafter referred to as
"Owner," for the use and benefit of the Owner and those claimants and others set forth herein below and described in
Sections 31-5-51 and 31-5-3, **Mississippi Code of 1972, Annotated**, as amended, in the amount of
_____ Dollars
(\$ _____), lawful money of the United
States, for the payment whereof Principal and Surety bind themselves, their heirs, executors, administrators,
successors and assigns, jointly and severally, firmly by these present.

WHEREAS, Principal has by written agreement dated _____, 20_____, entered into a
Contract with the Owner for the following:

as provided in said Contract and in accordance with the Contract Documents. All of the terms and provisions of the
above mentioned Contract, drawings, Project Manual, and addenda are by reference made a part hereof and fully
incorporated herein, and are hereinafter referred to as "the Contract." All of the terms and provisions of Sections 31-
5-51, 31-5-3, supra, Section 31-5-53 of the **Mississippi Code of 1972, Annotated**, as amended, and all other code
sections cited herein are also by reference made a part hereof and fully incorporated herein.

II. PERFORMANCE BOND

NOW, THEREFORE, the condition of this Performance Bond is such that if Principal shall promptly and faithfully
perform said Contract, then this obligation shall be null and void; otherwise, it shall remain in full force and effect,
subject however, to the following conditions:

Whenever the Owner has performed its obligation but the Principal has defaulted under the terms of the Contract,
or any portion thereof, and the Owner has declared the Principal to be in default, the Surety shall promptly:

1. Remedy the default, or
2. Complete the Contract in accordance with its terms and conditions, or
3. Procure the completion of the Contract in accordance with its terms and conditions.

Even if there should be a succession of defaults, the Surety is responsible for completion of the Contract. The Surety
shall provide sufficient funds to pay the cost of completion of the Contract in its entirety including other costs and

damages for which the Surety may be liable there under, less the balance of the Contract price. The term "balance of the Contract price," as used in this paragraph, shall mean the total amount payable by Owner to Principal under the Contract and any Change Orders thereto, less the amount paid by Owner to Principal.

III. LABOR AND MATERIAL PAYMENT BOND

NOW, THEREFORE, the condition of this Labor and Material Payment Bond is such that if Principal shall promptly make payments to all persons supplying labor or material used in the prosecution of the work under said Contract, then this obligation shall be null and void; otherwise, it shall remain in full force and effect; however, the Owner shall not be liable for the payment of any costs or expenses of any suit described in Subsection (2) of Section 31-5-51, supra.

IV. BOND FOR PAYMENT OF TAXES AND OTHER ASSESSMENTS

NOW THEREFORE, the condition of this Bond for Payment of Taxes and Other Assessments is such that if Principal shall promptly make payment of all taxes, licenses, assignments, contributions, damages, penalties, and interest thereon, when and as the same may lawfully be due the State of Mississippi, or any County, Municipality, Board, Department, Commission, or political subdivision thereof, by reason of and directly connected with the performance of said Contract or any part thereof as provided by Sections 27-65-1, 27-65-21, 27-67-1, and 31-5-3, **Mississippi Code 1972, Annotated**, or any other applicable statute or other authority, then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

V. GENERAL CONDITIONS

The following conditions apply to all three (3) of the above-mentioned Bonds:

1. The Performance Bond is for an amount equal to the full amount of said Contract.
2. The Labor and Material Payment Bond is for an amount equal to the full amount of said Contract.
3. If any changes are made in the work, or any extensions of time are granted, or any increases in the total dollar amount of the Contract are made, such changes, extensions, increases, or other forbearance on the part of either the Owner or the Principal will not, in any way, release the Principal and Surety, or either of them, from their liability hereunder, or any portion thereof, notice to the Surety of any such change, extension, increase, or forbearance being expressly waived.
4. These Bonds are governed by and shall be construed in accordance with Mississippi law. Any inconsistency with these Bonds and any provision of Mississippi law shall be remedied by deleting the inconsistent portion of these Bonds and leaving the remaining consistent portions in full force and effect.

Signed and sealed this _____ day of _____, 20____.

SURETY _____

By: _____

(Signature)

(Name and Title) (typed)

(Address)

(City/State/Zip/Phone)

PRINCIPAL (typed) _____

BY: _____

(Signature)

(Name and Title) (typed)

(Address)

(City/State/Zip/Phone)

COUNTERSIGNED:

MISSISSIPPI RESIDENT AGENT
(typed and with embossed seal on bond and p/a)

(Signature)

(Name and Title) (typed)

(Address)

(City/State/Zip/Phone)

END OF SECTION

SECTION 00 65 00

CERTIFICATE OF INSURANCE INSTRUCTIONS

1. The *Certificate of Insurance* is a tabulation of insurance required for this Project as specified in Article 11 entitled *Insurance and Bonds* in the General Conditions (AIA Document A201, 2007 Edition).
2. The *Certificate of Insurance* must be completed, certified by the original signature of a Mississippi Resident Insurance Agency and bound in each set of the Contract Documents.
3. Indicate Insured, Project, Companies providing coverage, policy numbers and policy periods in the blanks as applicable.
4. If the "OWNERS/CONTRACTORS PROTECTIVE LIABILITY" insurance is part of the Commercial General Liability Insurance Policy, or included by endorsement, indicate the policy number and period of the CGL policy in the "OWNERS/CONTRACTORS PROTECTIVE LIABILITY" blank spaces.
5. Automobile Liability Insurance may be provided which covers Bodily Injury and Property Damage in one (1) Combined Single Limit, or may be provided with separate minimum limits as shown on the Certificate of Insurance and specified in Article 11 of the Supplementary Conditions. The person signing the Certificate of Insurance should show which option the Contractor has selected by marking out the coverage that is not provided under the policies indicated.
6. OTHER INSURANCE (if required) will be indicated by typing in the "OTHER" block and detailed in Article 11 of the Supplementary Conditions.
7. CERTIFICATION wording may not be changed without specific written approval from the Owner.
8. "Riders", Binders, TBA, TBD, or other unsolicited attachments, are not allowed as part of the *Certificate of Insurance* unless specifically requested in writing by the Owner, or specified as part of the requirements for this Project.
9. CAUTION: The *Certificate of Insurance* is intended to be used for all Projects. The Contractor must provide all insurance specified in the Contract Documents for this Project, whether indicated on this form, or not. The Contractor must verify all insurance has been provided as required.

STANDARD CONSTRUCTION CONTRACT CERTIFICATE OF INSURANCE

INSURED: (Contractor's Name & Address)				COMPANIES PROVIDING COVERAGE		
				A		
				B		
PROJECT: (Number, Name & Location)				C		
				D		
				E		
OWNER:				F		
				G		
Type Insurance	Co	Policy Number	Policy Period	Coverage and Minimum Amount		
General Liability Commercial General Liability				General Aggregate		
				\$ 1,000,000		
				Products Comp/Ops (Aggregate		
				\$ 1,000,000		
				Personal Injury (Per Occurrence)		
				\$ 500,000		
				BI & PD (Per Occurrence)		
				\$ 500,000		
				Fire Damage (Per Fire)		
				\$ 50,000		
				Medical Expense (Per Person)		
				\$ 5,000		
Owners/Contractors Protective Liability				General Aggregate		
				\$ 1,000,000		
				Per Occurrence		
				\$ 500,000		
Automobile Liability				Bodily Injury/Property Damage Combined Single Limit (Per Occurrence)		
				\$ 500,000		
				OR	Bodily Injury (Per Person)	\$ 250,000
					Bodily Injury (Per Accident)	\$ 500,000
				Property Damage (Per		
				\$ 100,000		
* Excess Liability (Umbrella on projects over \$500,000)				Aggregate		
				\$ 1,000,000		
				Per Occurrence		
				\$ 1,000,000		
Workers' Compensation (As required by Statute) Employers' Liability				Accident (Per Occurrence)		
				\$ 100,000		
				Disease-Policy Limit		
				\$ 500,000		
				Disease-Per Employee		
				\$ 100,000		
* Property Insurance				OR	Builders' Risk	
					Installation Floater	
Other						
Certification: I certify that these policies (subject to their terms, conditions and exclusions) have been (1) issued to the Insured for the coverages and at least the amounts as indicated by companies licensed in Mississippi; (2) countersigned by a Mississippi Resident Agent; and (3) endorsed to require the company to give thirty (30) days written notice to the Owner prior to cancellation of non-renewal of above.						
Producing Agent: (Name, Address and Telephone)						
				(Signature & Date)		
				(Name and Title of Authorized Representative)		

Check if Mississippi Resident Agent
OR Countersign by MS Resident Agent _____

SECTION 00 70 00

GENERAL CONDITIONS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. **SCOPE:** The **General Conditions of the Contract for Construction**, AIA Document A201, 2007 Edition, Articles 1 through 14 inclusive, is a part of this Contract and is incorporated herein.
- B. **COPY:** Contractors are presumed to be familiar with AIA Document A201, a copy of which may be obtained from the Professional, or examined in the Professional's office.

END OF SECTION

SECTION 00 80 00

SUPPLEMENTARY CONDITIONS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. **Owner:** These supplements are necessary because the Owner is an agency, or political subdivision, of the State of Mississippi and occupies a different position from that of the usual Owner.
- B. **Document:** The following supplements modify, change, delete from, or add to the **General Conditions of the Contract**, AIA Document A201, 2007. When any Article of the **General Conditions** is modified, or deleted, by these *Supplementary Conditions*, the unaltered provisions of that Article, Paragraph, Subparagraph, or Clause will remain in effect.

Article 1 GENERAL PROVISIONS

No supplementary conditions.

Article 2 OWNER

No supplementary conditions.

Article 3 CONTRACTOR

No supplementary conditions.

Article 4 ARCHITECT

No supplementary conditions.

Article 5 SUBCONTRACTORS

No supplementary conditions.

Article 6 CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS

No supplementary conditions.

Article 7 CHANGES IN THE WORK

No supplementary conditions.

Article 8 TIME

8.1 DEFINITIONS

8.1.3 Change this Subparagraph to read as follows:

The date of Substantial Completion is the date certified by the Architect and approved by the Owner in accordance with Paragraph 9.8 entitled "Substantial Completion."

8.3.1 Change this Subparagraph to read as follows:

If the Contractor is delayed at any time in the commencement or progress of the Work by any act of neglect of the Owner or the Architect, or by any employee of either, or by changes ordered in the Work, or by labor disputes, fire, unusual delay in deliveries, unavoidable casualties or any causes beyond the Contractor's control, or by any other causes which the Architect determines may justify the delay, then the Contract Time may be extended by Change Order for such reasonable time as the Architect may determine, subject to the Owner's approval. Any claim for loss or any delay occasioned by any separate Contractor, or Subcontractor, shall be settled between the Contractor and such other separate Contractor, or Subcontractors.

Article 9 PAYMENTS AND COMPLETION

9.3 APPLICATIONS FOR PAYMENT

9.3.1 Add a new sentence to the end of this Subparagraph:

The form of Application for Payment will be AIA Document G702, Application and Certification for Payment, supported by AIA Document G703, Continuation Sheet, or a computer generated form containing similar data.

9.3.1.3 Add a new Clause to Subparagraph 9.3.1 as follows:

The Owner will retain, until the Work is one hundred percent (100%) complete, ten percent (10%) of the amount due the Contractor on account of progress payments. No reduction in retainage will be made until final payment is made, except that when the initial contract award is in an amount equal to or greater than \$750,000.00, then whenever such Work is fifty percent (50%) complete and on schedule and satisfactory, in the opinion of the Professional with concurrence of the Owner, fifty percent (50%) of the retainage will be returned to the Contractor and five percent (5%) will be retained on all subsequent progress payments.

9.3.1.4 Add a new Clause to Subparagraph 9.3.1 as follows:

The Contractor must submit each month with this Application for Payment a separate letter stating that he is requesting an extension of time or that he had no need for an extension for that period of time. No payment on a monthly application will be made until the letter is received. Complete justification such as weather reports or other pertinent correspondence must be included for each day's request for extension. A Contractor's letter, or statement, will not be considered as adequate justification. The receipt of this request and data by the Owner will not be considered as Owner approval in any way.

9.3.2.1 Add a new Clause to Subparagraph 9.3.2 as follows:

Payment on materials stored at some location other than the building site, may be approved by the Architect and the Owner after the Contractor has submitted the following items:

- .1 An acceptable Lease Agreement between the General Contractor and the owner of the land, or building, where the materials are stored covering the specific area where the materials are located.*
- .2 Consent of Surety, or other acceptable Bond, to cover the materials stored off-site.*
- .3 All Perils Insurance coverage for the full value of the materials stored off-site.*
- .4 A Bill of Sale from the Manufacturer to the General Contractor for the stored materials.*
- .5 A complete list and inventory of materials manufactured, stored and delivered to the storage site and of materials removed from the storage site and delivered to the job site.*
- .6 A review by the Architect of the materials stored off-site prior to release of payment.*
- .7 Guarantee no storage costs, additional delivery fees, or subsequent costs to the Owner.*

9.6.8 Add a new Subparagraph as follows:

The amount retained by the Contractor from each payment to each Subcontractor and material supplier will not exceed the percentage retained by the Owner from the Contractor.

9.7 **FAILURE OF PAYMENT**

9.7.1 Change this Subparagraph to read as follows:

The Contractor and the Owner shall be subject to the remedies as prescribed in Section 31-5-25 of the Mississippi Code 1972, Annotated.

9.8 **SUBSTANTIAL COMPLETION**

9.8.4 Add a new sentence at the end of this Subparagraph:

*Substantial Completion shall not be established and final until the Owner approves the Architect's **Certificate of Substantial Completion**.*

9.11 **LIQUIDATED DAMAGES** (add this paragraph heading and subsequent paragraph below)

9.11.1 Add a new Paragraph as follows:

Time being of the essence and a matter of material consideration thereof, a reasonable estimate in advance is established to cover losses incurred by the Owner if the project is not substantially complete on the date set forth in the Contract Documents. The Contractor and his Surety will be liable for and will pay the Owner the sums stipulated in Paragraph 2.2 of the Standard Form of Agreement Between the Owner and the Contractor as fixed and agreed as liquidated damages for each calendar day of delay until the work is substantially complete unless circumstances dictate otherwise in the discretion of the Owner.

Article 10 PROTECTION OF PERSONS AND PROPERTY

10.2 SAFETY OF PERSONS AND PROPERTY

10.2.5 Change this Subparagraph to read as follows:

The Contractor shall promptly remedy damage and loss (other than damage or loss insured under property insurance required by the Contract Documents) to property referred to in Clauses 10.2.1.2 and 10.2.1.3 caused in whole or in part by the Contractor, a Subcontractor, a Sub-Subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible for Clauses 10.2.1.2 and 10.2.1.3, except damage or loss attributable to acts or omissions of the Owner or Architect and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Paragraph 3.18.

10.3 HAZARDOUS MATERIALS

10.3.2 Delete this Subparagraph in its entirety.

10.3.3 Delete this Subparagraph in its entirety.

Article 11 INSURANCE AND BONDS

11.1 CONTRACTOR'S LIABILITY INSURANCE

11.1.4 Add a new Subparagraph as follows:

The Contractor's limits of liability shall be written for not less than the following:

.1 GENERAL LIABILITY: Commercial General Liability

(Including XCU)

General Aggregate.....	\$	1,000,000.00 Aggregate
Products & Completed Operations	\$	1,000,000.00 Aggregate
Personal & Advertising Injury	\$	500,000.00 Per Occurrence
Bodily Injury & Property Damage.....	\$	500,000.00 Per Occurrence
Fire Damage Liability	\$	50,000.00 Per Occurrence
Medical Expense	\$	5,000.00 Per Person

.2 OWNERS & CONTRACTORS PROTECTIVE LIABILITY:

Bodily Injury & Property Damage.....	\$	1,000,000.00 Aggregate
Bodily Injury & Property Damage.....	\$	500,000.00 Per Occurrence

.3 AUTOMOBILE LIABILITY:

(Owned, Non-owned & Hired Vehicles) Contractor Insurance Option Number 1:

Bodily Injury & Property Damage.....	\$	500,000.00 Per Occurrence
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(Combined Single Limit)

Contractor Insurance Option Number 2:

<i>Bodily Injury</i>	<i>\$ 250,000.00 Per Person</i>
<i>Bodily Injury</i>	<i>\$ 500,000.00 Per Accident</i>
<i>Property Damage.....</i>	<i>\$ 100,000.00 Per Occurrence</i>

.4 EXCESS LIABILITY:

(Umbrella on projects over \$500,000)

<i>Bodily Injury & Property Damage</i>	<i>\$ 1,000,000.00 Aggregate</i>
<i>(Combined Single Limit)</i>	

.5 WORKERS' COMPENSATION: (As required by Statute)

EMPLOYERS' LIABILITY:

<i>Accident.....</i>	<i>\$ 100,000.00 Per Occurrence</i>
<i>Disease</i>	<i>\$ 500,000.00 Policy Limit</i>
<i>Disease</i>	<i>\$ 100,000.00 Per Employee</i>

.6 PROPERTY INSURANCE:

<i>Builder's Risk</i>	<i>\$ Equal to Value of Work</i>
<i>or</i>	
<i>Installation Floater</i>	<i>\$ Equal to Value of Work</i>

11.1.5 Add a new Subparagraph as follows:

Furnish one (1) copy of the Standard Construction Contract Certificate of Insurance Form for each copy of the Standard Form of Agreement Between Owner and Contractor specifically setting forth evidence of all coverage required by Subparagraphs 11.1.1, 11.1.2 and 11.1.3. Furnish to the Owner copies of any endorsements that are subsequently issued amending limits of coverage.

11.1.6 Add a new Subparagraph as follows:

If the coverages are provided on a claims-made basis, the policy date or retroactive date shall predate the Contract; the termination date, or the policy, or applicable extended reporting period shall be no earlier than the termination date of coverages required to be maintained after final payment.

11.2 OWNER'S LIABILITY INSURANCE

11.2.1 Delete this Subparagraph in its entirety and substitute the following:

The Contractor shall purchase and maintain such insurance as will protect the Owner from his contingent liability to others for damages because of bodily injury, including death, and property damage, which may arise from operations under this Contract and other liability for damages which the Contractor is required to insure under any provision of this Contract. Certificate of this insurance will be filed with the Owner and will be the same limits set forth in 11.1.4.

11.3 PROPERTY INSURANCE

11.3.1 Change the first line in this Subparagraph to read as follows:

The Contractor shall purchase....

11.3.1.2 Delete this Clause under Subparagraph 11.4.1 in its entirety.

11.3.1.3 Change the following Clause in this Subparagraph to read as follows:

If the property insurance requires deductibles, the Contractor shall pay costs not covered because of such deductibles.

11.3.2 Delete this Subparagraph in its entirety.

11.3.3 Delete this Subparagraph in its entirety.

11.3.4 Delete this Subparagraph in its entirety.

11.3.5 Delete this Subparagraph in its entirety.

11.3.6 Delete this Subparagraph in its entirety.

11.3.10 Change this Subparagraph to read as follows:

The Owner as fiduciary shall have power to adjust and settle a loss with Insurers unless one of the parties in interest shall object in writing within five (5) days after occurrence of loss.

Article 12 UNCOVERING AND CORRECTION OF WORK

No supplementary conditions.

Article 13 MISCELLANEOUS PROVISIONS

No supplementary conditions.

Article 14 TERMINATION OR SUSPENSION OF THE CONTRACT

No supplementary conditions.

Article 15 CLAIMS AND DISPUTES

No supplementary conditions.

END OF SECTION

SECTION 01 11 00

SUMMARY OF WORK

1.01 WORK COVERED BY CONTRACT DOCUMENTS

- A. **Work Covered:** Work covered by the Contract Documents is as shown in drawings and described in words in the Project Manual. The Project Title and location is indicated on the first page of this Project Manual.
1. **TAX CREDITS:** **The general contractor is forbidden to take tax credits from this building as be IRS 179 D (Application of Notice 2006-52; Deductions for Energy Efficient Commercial Buildings); bulletin 2008-14, notice 2008-40.** This rule allows energy tax credits for government buildings but only to those responsible for designing the buildings.
- B. **Start of Work:** Work shall be started immediately upon issuance of a *Notice to Proceed*. Prior to this, all Contracts and beginning documents will have been executed and insurance in force.
- C. **Time of Completion:** The completion of this Work is to be on, or before, the time indicated in the *Standard Form of Agreement Between the Owner and the Contractor*.
- D. **Contractor's Duties:**
1. Except as specifically noted, provide and pay for:
 - a. Labor, materials and equipment.
 - b. Tools, construction equipment and machinery.
 - c. Water, heat and utilities required for construction.
 - d. Other facilities and services necessary for proper execution and completion of the Work.
 2. Pay legally required sales, consumer, use, payroll, privilege and other taxes.
 3. Secure and pay for, as necessary for proper execution and completion of work, and as applicable at the time of the receipt of the bids:
 - a. Permits.
 - b. Government fees.
 - c. Licenses.
 4. Give required notices.
 5. Comply with codes, ordinances, rules, regulations, orders and other legal requirements of public authorities which bear on performance of work.
 6. Promptly submit written notice to Professional of observed variance of Contract Documents from legal requirements. It is not the Contractor's responsibility to make certain that drawings and specifications comply with codes and regulations. Appropriate modifications to Contract Documents will adjust necessary changes. Assume responsibility for work known to be contrary to such requirements, without notice.
 7. Enforce strict discipline and good order among employees. Do not employ or work unfit persons, or persons, not skilled in assigned task.
 8. Provide a written safety plan.
- E. **Hazardous Materials:** The Prime General Contractor is responsible for the removal and disposal of any hazardous materials encountered in the performance of the Contract requirements. Hazardous Containing Materials [HCM] include, but are not limited to, Asbestos and Lead Paint and should be identified and removed as a part of the Contract. The absence of details does not relieve the Prime General Contractor from the responsibility of removal and disposal; but, a Change Order could be executed in the absence of identified HCM in the documents.

- F. **Post-bid Submittals and Subcontractors List:** The Prime General Contractor will submit to the Owner the following items within seven (7) days after written notice of contract award by the Owner:
1. Designation of the Work to be performed by the Bidder's own forces.
 2. Names of manufacturers, products, and the suppliers of principal items or systems of materials and equipment proposed for the Work.
 3. Names of persons or entities proposed for the principal portions of the Work, including those who are to furnish materials or equipment fabricated to a special design. Those persons or entities proposed by the Prime General Contractor are subject to the following:
 - a. The Bidder will be required to establish to the satisfaction of the Owner and Architect the reliability and responsibility of the persons or entities proposed to furnish and perform the Work described in the Bidding Documents.
 - b. Prior to execution of the Contract, the Architect will notify the Bidder in writing if either the Owner or Architect, after due investigation, has reasonable objection to a person or entity proposed by the bidder. If the Owner or Architect has reasonable objection to a proposed person or entity, the Bidder may, at the Bidder's option, (1) withdraw the Bid or (2) submit an acceptable substitute person or entity with an adjustment in the Base Bid or Alternate Bid to cover the difference in cost occasioned by such substitution. The Owner may accept the adjusted bid price or disqualify the Bidder. In the event of either withdrawal or disqualification, bid security will not be forfeited by the Bidder.
 - c. Persons or entities proposed by the Bidder and to whom the Owner and Architect have made no reasonable objection must be used in the Work for which they were proposed and shall not be changed except with the written consent of the Owner and Architect.
- G. **Coordination:** The Prime General Contractor is responsible for the coordination of the total project. All other Prime Contractors and all Subcontractors will cooperate with the Prime General Contractor to facilitate the general progress of the Work. Each trade shall afford all other trades every reasonable opportunity for the installation of their work. Refer to Section 01 41 00 entitled *Project Coordination*.

1.02 **CONTRACTS**

- A. **Contracts:** Construct work under a single Prime General Contract. Refer to Section 00 50 00 entitled *Agreement Form*.

1.03 **WORK BY OTHERS**

- A. **Work by Others:** Work by Others shall be described in each appropriate Project Manual section and noted on the Drawings.

1.04 **OWNER-FURNISHED PRODUCTS**

- A. **Products Furnished by Owner:** Products furnished by Owner shall be described in each appropriate Project Manual section and noted on the Drawings.
- B. **Products:** Delivered and unloaded at site.
- C. **Owner's Duties:**
1. Schedule delivery date with Supplier in accordance with construction schedule.

2. Obtain installation drawings and instructions.
3. Submit claims for transportation damages.
4. Arrange Guarantees, Warranties, etc.

D. Contractor's Duties:

1. Designate required delivery date for each product in construction schedule.
2. Promptly inspect delivered products, report missing, damaged, or defective items.
3. Handle at site, including uncrating and storage.
4. Protect from exposure to elements and from damage.
5. Repair or replace damaged items resulting from Contractor's operations.
6. Install and make final connections.

1.05 CONTRACTOR'S USE OF PREMISES

- A. Confine operations at site to areas permitted by:
 1. Law.
 2. Ordinances.
 3. Permits.
 4. Contract Documents.
 5. Owner.
- B. Do not unreasonably encumber site with materials or equipment.
- C. Do not load structure with weight that will endanger structure.
- D. Assume full responsibility for protection and safekeeping of products stored on premises.
- E. Move any stored products which interfere with operations of Owner or other Contractors.
- F. Obtain and pay for use of additional storage or work areas needed for operations.
- G. Limit use of site for work and storage to the area indicated in the drawings.
- H. The Contractor, all Subcontractors, and all employees thereof shall designate the employee parking area. This designated parking area is not to be used for material storage or staging. The Contractor shall be responsible for keeping this area clean and shall check to ensure such at the end of each day.
- I. Material storage and trailers for material storage shall be located within the Construction Limits as indicated on the drawings or as directed by the Owner.

1.06 SUMMARY OF WORK SUPPLEMENT

- A. Refer to Section 01 90 00 entitled *Division One Supplement* for Project specific summary of work requirements

1.07 GOVERNING PROVISIONS

- A. As required by all provisions listed or shown in these Contract Documents.

END OF SECTION

SECTION 01 20 00

ALLOWANCES

1.01 DESCRIPTION

- A. **Related Work Specified Elsewhere:** Sections of Specifications as listed under Schedule of Allowances.
- B. **Allowances for Products:**
1. Purchase products under each allowance as directed by the Professional.
 2. Amount of each allowance includes:
 - a. Net cost of product.
 - b. Delivery and unloading at site.
 - c. Applicable taxes.
 3. In addition to amounts of allowances, include in bid, for inclusion in Contract sum, Contractor's costs for (*note that the items listed below are NOT included in the allowance value*):
 - a. Handling at site, including uncrating and storage.
 - b. Protection from elements and damage.
 - c. Labor, installation and finishing.
 - d. Other expenses required to complete installation.
 - e. Overhead and profit.
- C. **Selection of Products:**
1. **Architect's Duties:** Consult with Contractor in consideration of products and Suppliers; make selections, designate products to be used; and, notify Contractor in writing.
 2. **Contractor's Duties:** Assist Professional in determining qualified Suppliers; obtain multiple proposals from Suppliers when requested by the Professional; and, make appropriate recommendations for consideration of the Professional. Contractor must then provide the Professional with an itemized invoice for Allowance items. Upon notification of selection, enter Purchase Agreement with designated Supplier.
- D. **Delivery:** The Contractor is responsible for arranging all delivery and unloading and should promptly inspect products for damage or defects and submit claims for transportation damage.
- E. **Installation:** Comply with requirements of referenced specification section.
- F. **Adjustment of Costs:** Should actual purchase cost be more, or less, than the specified allowance amount, the Contract Sum will be adjusted by Change Order equal to the amount of the difference.

1.02 SCHEDULE OF ALLOWANCES

- A. Refer to Section 01 90 00 entitled *Division One Supplement* for Project specific Schedule of Allowances.

END OF SECTION

SECTION 01 21 00

PROJECT MEETINGS

1.01 DESCRIPTION

- A. **Pre-Construction Meeting:** The Architect will schedule a pre-construction meeting as soon as possible after the award of Contract and the issuance of a *Notice to Proceed*.
1. **Attendance:**
 - a. Owner
 - b. Professional and Consultants
 - c. General Contractor
 - d. Major Subcontractors, including mechanical and electrical
 - e. Representatives of governmental, or other regulatory agencies
 2. **Pre-Construction Meeting Minimum Agenda:** (prepared by the Architect)
 - a. Distribute and discuss list of major Subcontractors and construction schedule
 - b. Critical work sequencing
 - c. Designation of responsible personnel
 - d. Procedures for maintaining record documents
 - e. Use of premises, including office and storage areas
 - f. Owner's requirements
 - g. Security procedures
 - h. Housekeeping procedures
 3. **Utilities:** A written agreement must be reached on how all utilities will be furnished and the rates the Contractor will be charged. This agreement should be resolved at this meeting. Refer to Section 01 50 00 entitled *Construction Facilities and Temporary Controls* of this Project Manual for additional utility requirements.
- B. **Progress Meetings:**
1. The Contractor will schedule regular meetings at the time of the pre-construction conference
 2. **Contractor's Responsibilities:** The General Contractor will administer all progress meetings which include the following:
 - a. Prepare agenda
 - b. Distribute written notice of meetings seven (7) days in advance
 - c. Make physical arrangements for and presiding at the meetings
 - d. Record minutes
 - e. Distribute copies of the minutes to participants within four (4) days
 3. Hold all meetings as progress of work dictates
 4. **Attendance:**
 - a. Owner
 - b. Professional and Consultants
 - c. General Contractor
 - d. Subcontractors, as pertinent to the agenda
 5. **Minimum Agenda:**
 - a. Review, approve minutes of the previous meeting
 - b. Review work progress since last meeting
 - c. Note field reviews, problems and decisions
 - d. Identify problems which impede planned progress

- e. Review off-site fabrication problems
- f. Revise construction schedule, as indicated
- g. Plan progress during the next work period
- h. Review proposed changes
- i. Review Submittal Logs, RFI Logs & RFP Logs
- j. Review Contractor's Builder's Risk Insurance
- k. Review Contract Completion Date
- l. Complete other current business

END OF SECTION

SECTION 01 27 00

APPLICATIONS FOR PAYMENT

1.01 SCOPE

- A. This Section describes procedures for preparing and submitting Applications for Payment by the Contractor.
- B. Some Owners have specific requirements for procedures regarding applications for payment. These requirements will be outlined at the Pre-Construction Meeting and are expected to be followed in place of and/or in addition to the requirements listed in this Section.

1.02 APPLICATIONS FOR PAYMENT

- A. **Format:**
 - 1. Applications for Payments will be prepared on AIA forms G702 - *Application and Certificate for Payment* and G703 - *Continuation Sheet*; or, a computer-generated form containing similar data may be used.
- B. **Preparation of Application:**
 - 1. Present required information in typewritten form
 - 2. Execute certification by signature of authorized officer
 - 3. Use data from approved *Schedule of Values*. Provide dollar value in each column for each line item for portion of Work performed and for stored products.
 - 4. List each authorized Change Order as an extension on continuation sheet, listing Change Order number and dollar amount as for an original Item of Work.
 - 5. Prepare Application for Final Payment as specified in Section 01 77 00 entitled *Contract Closeout*.
- C. **Submittal Procedures:**
 - 1. Submit five (5) copies of each Application for Payment
 - 2. Submit an updated construction schedule with each Application for Payment as described in Section 01 31 00 entitled *Progress Schedule*. Submit Rain Days Log as required by Section 01 31 00 *Progress Schedules*, paragraph F.
 - 3. Submit requests for payment at intervals agreed upon by the Professional, Owner and Contractor.
 - 4. Submit requests to the Professional at agreed upon times, or as may be directed otherwise.
- D. **Substantiating Data:**
 - 1. Submit data justifying dollar amounts in question when such information is needed.
 - 2. Provide one (1) copy of the data with a cover letter for each submittal.
 - 3. Indicate the Application number, date and line item number and description.

END OF SECTION

SECTION 01 27 50

VALUE ENGINEERING (VE)

1.01 DESCRIPTION

- A. **Allowable:** Value Engineering (VE) is function of the OWNER and can ONLY be performed if approved to be OR allowed to be by the OWNER of the project.
- B. **Scope:** All Value Engineering proposals must be submitted in writing in schedule form. Each VE item must be independently and chronologically numbered with a full description of the scope of work changed, a reference to the drawing(s) and specification(s) effected, and an exact cost value (savings) to the project listed.
- C. **Approvals:** There is to be no Value Engineering by the Contractor without the involvement of the Architect and Engineer whose work is affected. All VE items MUST be approved by the Architect/Engineer team before they are presented as an option for the Owner.

END OF SECTION

SECTION 01 28 00

CHANGE ORDER PROCEDURES

1.01 SCOPE

- A. This Section describes the procedures for processing Change Orders by the Professional and the Contractor.

1.02 CHANGE ORDER PROCEDURES

- A. **Change Proposed by Professional:** The Professional may issue a Proposal Request to the Contractor which includes a detailed description of a proposed change with supplementary or revised Drawings and Specifications and a change in Contract Time for executing the change. The Contractor will prepare and submit an estimate within ten (10) days.
- B. **Change Proposed by Contractor:** The Contractor may propose a change by submitting a request for change to the Professional, describing the proposed change and its full effect on the Work, with a statement describing the reason for the change, and the effect on the Contract Sum and Contract Time with full documentation and a statement describing the effect on Work by separate or other Contractors. Document any requested substitutions in accordance with Section 01 63 00 entitled *Substitutions and Product Options*.
- C. **Contractor's Documentation:**
1. Maintain detailed records of Work completed on a time and material basis. Provide full information required for evaluation of proposed changes, and substantiate costs of changes in the Work.
 2. Document each quotation for a change in cost or time with sufficient data allowing evaluation of the quotation.
 3. On request, provide additional data to support computations:
 - a. Quantities of products, labor, and equipment
 - b. Taxes, insurance and bonds
 - c. Overhead and profit
 - d. Justification for any change in Contract Time
 - e. Credit for deletions from Contract, similarly documented
 4. Support each claim for additional costs, and for Work completed on a time and material basis, with additional information:
 - a. Origin and date of claim
 - b. Dates and times work was performed and by whom
 - c. Time records and wage rates paid
 - d. Invoices and receipts for products, equipment, and subcontracts, similarly documented.
- D. **Construction Change Directive:** The Professional may issue a document, approved by the Owner, instructing the Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order. The document will describe changes in the Work, and will designate method of determining any change in Contract Sum or Contract Time. The change in Work will be promptly executed.
- E. **Format:** The Professional will prepare five (5) originals of the Change Order using the AIA Form G701 *Change Order Form*.

F. Types of Change Orders:

1. **Stipulated Sum Change Order:** Based on Proposal Request and Contractor's fixed price quotation, or Contractor's request for a Change Order as approved by the Professional.
2. **Unit Price Change Order:** For pre-determined unit prices and quantities, the Change Order will be executed on a fixed unit price basis. For unit costs or quantities of units of work which are not pre-determined, execute Work under a Construction Change Directive. Changes in Contract Sum or Contract Time will be computed as specified for Time and Material Change Order.
3. **Time and Material Change Order:** Submit itemized account and supporting data after completion of change, within time limits indicated in the *Standard Form of Agreement Between the Owner and the Contractor*. The Professional will determine the change allowable in Contract Sum and Contract Time as provided in the Contract Documents. The Contractor shall maintain detailed records of Work accomplished on Time and Material basis and shall provide full information required for evaluation of proposed changes, and to substantiate costs for changes in the Work. For time to be considered as "rain days" see the requirements in *Section 01 31 00 Progress Schedules*, paragraph F.

- G. **Execution of Change Order:** The Professional will issue Change Orders for signatures of parties as provided in the *Standard Form of Agreement Between the Owner and the Contractor*. Final execution of all Change Orders requires approval by the Owner.

- H. **Correlation of Contractor Submittals:** The Contract shall promptly revise *Schedule of Values* and the *Application for Payment* forms to record each authorized Change Order as a separate line item and adjust the Contract Sum. Promptly revise progress schedules to reflect any change in Contract Time, revise sub-schedules to adjust time for other items of Work affected by the change and resubmit. Promptly enter changes in Project Record Documents.

END OF SECTION

SECTION 01 29 00

SCHEDULE OF VALUES

1.01 DESCRIPTION

- A. **Scope:** Submit a *Schedule of Values* to the Professional at least ten (10) days prior to submitting the first Application for Payment. Upon the Professional's request, the Contractor will provide supportive data substantiating their correctness. Use *Schedule of Values* only as basis for Contractor's Application for Payment.
- B. **Form of Submittal:** Submit Schedule of Values on AIA Document G703, or computer-generated form containing similar style, using Table of Contents of these Specifications as basis for format for listing costs of work for sections under Divisions 2-48. Identify each line item with number and title as listed in Table of Contents in these Specifications.
- C. **Preparing Schedule of Values:**
 - 1. Itemize separate line item cost for each of the following general cost items: Performance and Payment Bonds, field supervision and layout, temporary facilities and controls, mobilization and taxes.
 - 2. Itemize separate line item cost for work required by each Section of these Specifications. Break down installed cost into labor and materials with overhead and profit.
 - 3. For each line item which has installed value of more than \$20,000, break down costs to list major products for operations under each item, rounding figures to nearest dollar. Make sum of total costs of all items listed in Schedule equal to total Contract sum.
 - 4. If a value line item scope of work or material is determined not necessary and removed from the contract, then the Schedule of Values line item will be used as the real cost for that item.
- D. **Preparing Schedule of Unit Material Values:**
 - 1. Submit separate Schedule of unit prices for materials to be stored on which progress payments will be made. Make form of submittal parallel to Schedule of Values with each line item identified same as line item in Schedule of Values. Include in unit prices only: cost of material, delivery, unloading at site, and sales tax.
 - 2. Make sure unit prices multiplied by quantities equal material cost of that item in Schedule of Values.

END OF SECTION

SECTION 01 31 00

PROGRESS SCHEDULES

1.01 DESCRIPTION

- A. **Scope:** Provide projected construction schedules for entire work and revise periodically and at the request of the Architect. The following is a minimum requirement and other type schedules are acceptable with Owner's approval. This type of schedule is acceptable for any Project whose initial Contract award amount is **less than** one (1) million dollars (\$1,000,000).
- B. **Form of Schedules:** Prepare in form of horizontal bar chart.
1. Provide separate horizontal bar column for each trade or operation.
 2. Place in order of the Table of Contents of Specifications.
 3. Identify each column by major Specification section number.
 4. Identify the first work day of each week by horizontal time scale.
 5. Scale and space to allow for updating.
- C. **Contents of Schedule:**
1. Provide complete sequence of construction by activity.
 2. Indicate dates for beginning and completion of each stage of construction.
 3. Identify work of separate floors, separate phases, or other logically grouped activities.
 4. Show projected percentage of completion for each item of work as of first day of month.
- D. **Updating:**
1. Show all changes occurring since previous submission of updated schedule.
 2. Indicate progress of each activity and completion dates.
- E. **Submittals:**
1. Submit initial schedules to the Professional within fifteen (15) days after date of Notice to Proceed.
 2. Submit to Professional periodically updated schedules accurately depicting progress to first day of each month.
 3. Submit two (2) copies, one (1) to be retained by the Professional and the other forwarded to the Owner.
- F. **Rain Days:**
1. The General Contractor must keep a rain gauge at the job site and record any measurable rain that occurs to successfully submit for Rain Days. The Contractor can utilize official recordings from the National Weather Service if a nearby weather station is available (within 5 miles). The Contractor shall submit a Rain Days Log with every application for payment. This Log shall include the day and amount of rain received (in inches). If there are zero rain days during a period, the Contractor shall submit the Log with "zero" days listed.
 2. The Contractor shall figure the following number of rain days for each month listed below in his schedule: January-7 days; February-6 days; March-7 days; April-5 days; May-6 days; June-6 days; July-9 days; August-7 days; September-6 days; October-4 days; November-5 days; December-7 days.
 3. Request for rain days shall not be made unless the number of days per month amounting to 1/10" or more exceeds the number of days on the above chart.

4. Request for rain days shall not be made after the building is "dried in" (air/vapor barrier and/or waterproofing layers for roof and all walls installed per specifications) and conditions are such that work can continue unimpeded by inclement weather.

END OF SECTION

SECTION 01 33 00

SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

1.01 DESCRIPTION

- A. **Scope:** Submit to the Professional shop drawings, product data and samples required by Specification sections.
- B. **Shop Drawings:** Original drawings prepared by Contractor, Subcontractor, Supplier, or Distributor which illustrate some portion of the Work; showing fabrication, layout, setting, or erection details.
1. Prepared by a qualified detailer.
 2. Identify details by reference to sheet and detail numbers shown on Contract drawings.
 3. Minimum sheet size: 8 1/2" x 11"
- C. **Product Data:**
1. **Manufacturer's Standard Schematic Drawings:** Modify drawings to delete information which is not applicable to the Project. Supplement standard information to provide additional information applicable to the Project.
 2. **Manufacturer's Catalog Sheets, Brochures, Diagrams, Schedules, Performance Charts, Illustrations and Other Standard Descriptive Data:** Clearly mark each copy to identify pertinent materials, products, or models. Show dimensions and clearances required. Show performance characteristics and capacities, wiring diagrams and controls.
- D. **Samples:** Physical examples to illustrate materials, equipment or workmanship and to establish standard by which completed work is judged.
1. **Office Samples:** Of sufficient size and quantity to clearly illustrate functional characteristics of products or material with integrally related parts and attachment devices and full range of color samples. After review, samples remain the property of the Professional until completion of the construction project.
- E. **Field Samples and Mock-ups:**
1. Erect on project site at location acceptable to Professional. Construct each sample, or mock-up, completely including work of all trades required in finished work.
 2. The Superintendent shall get samples of all major materials at full size before ordering the remaining quantities of specified materials. If samples are not approved before the materials are delivered, then the Contractor will be responsible (for the additional time and cost) for replacing non-approved materials with materials that match the approved field sample or mock-up. The mock-up samples will be installed in the size and locations as called for in the drawings. Where mock-ups shown in drawings do not designate size, they shall be 4 ft by 4 by ft min or shall be approved by Architect for size and location. Most mock-up samples will be installed in place but a few will be installed on the ground outside the building for permanent comparison (exemplifying the quality of work expected) to installed work. Any mock-ups required by the specifications that are not shown in the drawings will still abide by the requirements of this Section.
- F. **Contractor's Responsibilities:**
1. Review shop drawings, product data and samples prior to submission.
 2. Verify field measurements, field construction criteria, catalog numbers and similar data.
 3. Coordinate each submittal with requirements of work and of Contract Documents.
 4. Contractor's responsibility for errors and omissions in submittals is not relieved by the

Professional's review of submittals.

5. Contractor's responsibility for deviations in submittals from requirements of Contract Documents is not relieved by Professional's review of submittals unless Professional gives written acceptance of specific deviations.
6. Notify Professional in writing at the time of submission of deviations in submittals from requirements of Contract Documents.
7. Begin no work requiring submittals until the return of submittals bearing Professional's stamp and initials, or signature indicating review.
8. After Professional's review, distribute copies.

G. Submission Requirements:

1. Schedule submission with ample time before dates reviewed submittals will be needed.
2. Preferred media for shop drawings and submittals is PDF format send via e-mail. If electronic submittals are not obtainable, then contractor shall send required number of copies (stated at the pre-construction meeting) on opaque bond paper.
3. Submit number of copies of shop drawings and product data which Contractor requires for distribution, plus one (1) copy to be retained by the Professional. Provide two (2) copies to be retained by the Professional for all submittals seeking a Civil, Structural, Mechanical or Electrical review.
4. Submit number of samples specified in each Specification section.
5. Accompany submittals with transmittal letter, in duplicate, containing date, Project title and number; Contractor's name and address; the number of each shop drawings, product data and samples submitted; notification of deviations from Contract Documents; and, other pertinent data.
6. Submittals shall include:
 - a. Date and revision dates.
 - b. Project title and number.
 - c. The names of the Professional, Contractor, Supplier, Manufacturer and separate detailer, when pertinent.
 - d. Identification of product, or material.
 - e. Relation to adjacent structure, or materials.
 - f. Field dimensions clearly identified as such.
 - g. Specification section number.
 - h. Applicable standards such as ASTM number, or federal specifications.
 - i. A blank space (4" x 4") for the Professional's stamp.
 - j. Identification of deviations from Contract Documents.
 - k. Contractor's stamp, initialed or signed, certifying the review of submittal, verification of field measurements and compliance with Contract Documents.
7. All shop drawings and product submittals shall be provided as soon as possible to prevent dealing with discontinued products and delays in the project. Untimely submission will be considered mismanagement by the Contractor.

H. Resubmission Requirements:

1. **Shop Drawings:** Revise initial drawings, as required, and resubmit as specified for initial submittal. Indicate on the drawings any changes which have been made other than those required by the Professional.
2. **Product Data and Samples:** Submit new data and samples, as required, for initial submittal.

- I. **Distribution of Submittals After Review:**
 - 1. Distribute copies of shop drawings and product data which carry Professional's stamp to Contractor's file, job site file, Subcontractor, Supplier and Fabricator.
 - 2. Distribute samples as directed.
- J. **Professional's Duties:**
 - 1. Review submittals with reasonable promptness.
 - 2. Review for design concept of Project and information given in Contract Documents.
 - 3. Review of separate item does not constitute review of an assembly in which item functions.
 - 4. Affix stamp and initials, or signature, certifying the review of submittal.
 - 5. Return submittals to Contractor for distribution.

END OF SECTION

SECTION 01 35 00

ALTERNATES

1.01 DESCRIPTION

- A. **Scope:** This section describes the changes to be made under each alternate.
- B. **General:** The referenced Specification sections contain the pertinent requirements for materials and methods to achieve the work described herein. Coordinate related work and modify surrounding work, as required, to complete the Project under each alternate designated in the Contract.

1.02 DESCRIPTION OF ALTERNATES

- A. Refer to Section 01 90 00 entitled *Division One Supplement* for Project specific description of project Alternates.

END OF SECTION

SECTION 01 41 00

PROJECT COORDINATION

1.01 DESCRIPTION

- A. **Scope:** To set forth procedures, conditions and responsibility for coordination of the total project.
- B. **Project Coordinator:** The General Contractor will designate one (1) individual as Project Coordinator or Superintendent, as referred to in the General Conditions. Prior to beginning the Work, the name and qualifications will be submitted, in writing, to the Professional. Upon the approval of the Professional and the Owner, the Project Coordinator will remain until the Project is completed and cannot be removed during construction without the written consent of the Owner and the Professional.
- C. **Superintendent:**
 - 1. The Superintendent will write down all instructions given by Professionals on site reviews and will send copies to the Owner and Architect within 4 working days.
 - 2. The Superintendent shall be accompanied by the Architect during the review of the work at all times. If the Superintendent is not present with a note pad to make notes of issues, then the Architect will leave the job site.
 - 3. The Superintendent must be at the job site at all times during the working day. It is understood that sometime the Superintendent must leave the job for various reasons. When this occurs, the Contractor shall notify the Architect. If the Superintendent must be away from the job site for more than an hour, than the Contractor shall supply a suitable temporary Superintendent to replace him during his absence.

1.02 DUTIES OF PROJECT COORDINATOR

- A. **General:**
 - 1. **Coordination:** Coordinate the work of all Subcontractors and Material Suppliers.
 - 2. **Supervision:** Supervise the activities of every phase of work taking place on the Project.
 - 3. **Mechanical/Electrical:** Take special care to coordinate and supervise the work of the plumbing, heating and cooling and electrical Subcontractors.
 - 4. **Communication:** Establish lines of authority and communication at the job site.
 - 5. **Location:** The Project Coordinator must be present on the job all of the time.
 - 6. **Permits:** Assist in obtaining building and special permits required for construction.
- B. **Interpretations of Contract Documents:**
 - 1. **Consultation:** Consult with Architects and Engineers to obtain interpretations.
 - 2. **Assistance:** Assist in resolution of any questions.
 - 3. **Transmission:** Transmit written interpretations to concerned parties.
- C. **Cessation of Work:** Stop all work not in accordance with the requirements of the Contract Documents.
- D. **Division One:** Coordinate and assist in the preparation of all requirements of Division One and specifically as follows:

1. **Cutting and Patching:** Supervise and control all cutting and patching of other trades' work.
 2. **Project Meetings:** Schedule and preside at all project meetings. The Contractor must provide complete and comprehensive meeting minutes within 4 working days of any project meetings.
 3. **Construction Schedules:** Prepare and submit all construction schedules; supervise work to monitor compliance with schedules.
 4. **Shop Drawings, Product Data and Samples:** Administer the processing of all submittals required by the Project Manual.
 5. **Schedule of Values:** Assist in preparation and be knowledgeable of each entry in the Schedule of Values.
 6. **Testing:** Coordinate all required testing.
 7. **Temporary Facilities and Controls:** Allocate, maintain and monitor all temporary facilities.
 8. **Substitutions and Product Options:** Administer the processing of all substitutions.
 9. **Project Closeout:** Conduct final inspections and assist in collection and preparation of closeout documents.
 10. **Cleaning:** Direct and execute a continuing cleaning program throughout construction, requiring each trade to dispose their own debris.
 11. **Project Record Documents:** Maintain up-to-date project record documents. These documents are to be presented at all monthly project meetings for review by the Architect.
 12. **Safety Measures:** Plan and enforce all safety requirements.
- E. **Changes:** Recommend and assist in the preparation of requests to the Professional for any changes in the Contract.
- F. **Application for Payment:** Assist in the preparation and be knowledgeable of each entry in the Application and Certificate for Payment.

1.03 SUBCONTRACTOR'S DUTIES

- A. **General:** The Subcontractor is responsible for coordinating and supervising employees in the work to be accomplished under their part of the Contract.
- B. **Schedules:** Conduct work to assure compliance with construction schedules.
- C. **Suppliers:** Transmit all instructions to Material Suppliers.
- D. **Cooperation:** Cooperate with the Project Coordinator and other Subcontractors.

1.04 OWNER-PURCHASED PRODUCTS

- A. **General:** Cooperate, accept delivery, arrange storage and protect Owner-purchased products until installation, or final acceptance.

END OF SECTION

SECTION 01 42 00

ABBREVIATIONS AND STANDARDS

PART ONE - GENERAL

1.01 THE CONTRACT DOCUMENTS

- A. **DRAWINGS:** The drawings are those enumerated in the list of drawings and identified in the agreement. The drawings, in many instances, are schematic and do not define exact locations of every part and piece of equipment. Items furnished may vary in dimension from the specific item called for in the Contract Documents. In such cases, determine exact position of each part by "on the job" measurements and drawings from equipment suppliers. Coordinate with other Work.
- B. **SPECIFICATION SECTIONS:** Each section governs the complete work of the title, along with work related to the title, no matter where such work is shown on the drawings or mentioned in the specifications.
- C. **SPECIFICATION FORM:** These specifications are of the abbreviated, simplified or streamlined type and include incomplete sentences. Omission of words or phrases such as "The contractor shall", "in conformity therewith", "shall be", "as noted on the drawings", "per the plans", "a", "the", and "all" are intentional. Omitted words or phrases shall be supplied by inference in the same manner as they are when a "note" occurs on the drawings.
- D. **ARCHITECT'S AUTHORITY:** Wherever the words "equal", "approved equal", "approved", "satisfactory", "directed", "submitted", "inspected", "selected", or similar words or phrases are used, it shall be assumed that these are actions or opinions of the Architect. An example of such completed phrase is "approved by the Architect."
- E. **APPLICABILITY OF WORK AND WORK RESTRICTIONS:** (Unless specifically noted otherwise) The Contractor shall perform all work shown, mentioned or inferred and shall comply with all work restrictions.

1.02 REFERENCE STANDARDS AND INDUSTRY SPECIFICATIONS

- A. **MINIMUM SPECIFICATIONS:** Any material or operation specified by reference to published specifications of a manufacturer, a society, an association, a code, or other published standard, shall comply with requirements on the listed document which is current and has been officially published on date of receipt of bids. In cases of a conflict within the Contract Documents or between Contract Documents and Governing Codes the more stringent requirements shall govern.
- B. **CERTIFICATION:** The Contractor, when requested, shall furnish an affidavit from the manufacturer certifying that materials and manufacturers products delivered to the job meet requirements specified. However, affidavit shall not relieve the Contractor for responsibility of compliance with any added requirements of Contract Documents.

END OF SECTION

SECTION 01 50 00

CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

1.01 DESCRIPTION

- A. **Scope:** Work required under this section consists of all temporary construction facilities, services and related items to complete the work indicated on the drawings and described in the Project Manual. All requirements in this Section shall only be in effect if not specifically covered in Division 0. If requirements in this Section conflict with requirements in Division 0, then the requirements in Division 0 shall override the requirements in this Section.
- B. **Standards:**
 - 1. Conform to or exceed all temporary construction requirements stated in the current edition of the **International Building Code** [Chapter entitled *Safeguards During Construction*].
 - 2. Refer to Article 10.1.1 in Section 00 70 00 entitled *General Conditions*.
- C. **Materials:** All materials required by the Work of this section shall be as specified in the respective sections.

1.02 FACILITIES AND CONTROLS

- A. **Access:** The Prime General Contractor shall provide an adequate access and/or roads to the site of the structure, if required for the prosecution of work; and, should also provide and maintain at least one (1) temporary, or permanent, access to each working elevation to be permanently occupied. If requested, the Architect will be provided keys to access the site after hours.
- B. **Hoisting Facilities:** The Prime General Contractor shall be responsible for providing suitable capacity and hoisting facilities for all people and materials. The use of the hoisting facilities shall be by agreement of the Prime General Contractor and the individual Contractor.
- C. **Field Office and Sheds:** always, the Prime General Contractor shall provide and maintain a weatherproof office with telephone, which may also be used by Subcontractors, the Owner and the Professional. Office location will be approved by the Owner. Each general and individual Contractor shall provide suitable watertight/dampproof sheds to house their construction materials.
- D. **Sanitation Facilities:** The Prime General Contractor is responsible for furnishing adequate temporary toilet facilities on the job site.
- E. **Drinking Water:** The Prime General Contractor shall provide always sanitary drinking water facilities for all workmen on the job including ice, when required, and paper cups, etc.
- F. **Fire Protection:** The Prime General Contractor shall provide general temporary fire protection. Subcontractors will be responsible for their own.
- G. **Storage:** The Prime General Contractor shall coordinate the allocation of storage areas to the various Subcontractors.
- H. **Temporary Heat:** The Prime General Contractor shall provide heat, fuel and services, as necessary, to

protect all work from dampness and cold until final acceptance. If in the late stages of the construction, mechanical and electrical installations will permit, the mechanical and electrical facilities may be used to provide heat and ventilation. However, the Owner is saved harmless of any costs of operation or responsibility as to acceptance of mechanical and/or electrical installations.

- I. **Temporary Utilities During Construction:** The Prime General Contractor shall make arrangements for and furnish all water, electricity (lighting and power) and other utilities necessary for construction purposes. Should temporary utilities for construction be tapped off existing (Owner supplied) utilities, then the prime general contractor should propose to the Owner and Architect how these utilities will be furnished. If the Owner's existing utilities must be used to provide these requirements, then a written agreement must be reached on how all utilities (water and electricity) will be furnished and the rates the Contractor will be charged. If the written agreement is not filed with the Owner, the Contractor waives all rights as to the rates charged. The Owner will then determine all utility rates and assess the charges before final payment is rendered.

- J. **Permanent Utility Hook-up:**
Water: See Civil Drawings
Natural Gas: See Civil Drawings
Electricity: See Electrical Drawings

(Note: See Civil and Electrical Drawings for Utility Information and Contact Info if the information is not listed above; if info listed above is different from those listed in Civil and Electrical Drawings then default with info in drawings and call Architect for clarification).

- K. **Project Sign:**
1. The requirements and layout for this sign are in *Section 01 90 00 Division One Supplement*.
 2. No other signs shall be displayed on the job site without permission of the Professional. The display of sign advertisements is strictly prohibited.

END OF SECTION

SECTION 01 63 00

SUBSTITUTIONS AND PRODUCT OPTIONS

1.01 DESCRIPTION

- A. **Scope:** To set forth the procedure and conditions for substitutions and to give the product options available to the Contractor.

1.02 PRODUCTS LIST

- A. Within thirty (30) days after the Contract has been signed, the Contractor will submit to the Professional five (5) copies of a complete list of all products proposed for installation.
- B. Tabulate the list by Specification sections.
- C. For products specified under reference standards, include with listing of each product:
 - 1. Name and address of Manufacturer.
 - 2. Trade name.
 - 3. Model, or catalog designation.
 - 4. Manufacturer's data.
 - 5. Performance and test data.
 - 6. Reference standards.

1.03 CONTRACTOR'S OPTIONS

- A. For products specified only by reference standards, select any product meeting product standards by any Manufacturer.
- B. For products specified by naming a minimum of three (3) products or Manufacturers, select any product and Manufacturer named.
- C. For product specified by naming one (1) or more products, but indicating the option of selecting equivalent products by stating "or equal" after specified product, Contractor must submit request, as required for substitution, for any product not specifically named.
- D. For products specified by naming only one (1) product and Manufacturer, an equivalent product will always be accepted if it is equal in all respects. The Contractor must submit a request for substitution as set forth in this Section.
- E. For products specified by naming only one (1) product and Manufacturer and stating no substitutions will be accepted, there is no option and no substitutions will be allowed. This option must have written approval by the Owner before bidding.

1.04 SUBSTITUTIONS

- A. Professional will not consider requests for substitutions during bidding.
- B. Within thirty (30) days after the Contract has been signed, the Professional will consider formal

requests from the Contractor for substitution of products in place of those specified. Submit five (5) copies of the request for substitutions. Include in the request:

1. Complete data substantiating compliance of proposed substitutions with Contract Documents.
2. For products:
 - a. Product identification including Manufacturer's name and address.
 - b. Manufacturer's literature: Product description, performance and test data and reference standards.
 - c. Samples.
 - d. Name and address of similar products on which product was used and date of installation.
3. For construction methods:
 - a. Detailed description of proposed method.
 - b. Drawings illustrating methods.
4. Itemized comparison of proposed substitutions with product or method specified.
5. Data relating to changes in construction schedule.
6. Accurate cost data on proposed substitution in comparison with product or method specified.

C. In making request for substitution, Contractor represents:

1. Proposed product, or method, has been investigated and determined that it is equal or superior in all respects to that specified.
2. The same guarantee will be provided for substitutions as for product or method specified.
3. Installation of accepted substitutions will be coordinated into the Work, making such changes required of work to be complete in all respects.
4. All claims for additional costs related to substitution which consequently become apparent will be waived.
5. Cost data is complete and includes all related costs under the Contract.

D. Substitutions will not be considered if:

1. Indicated, or implied, on shop drawings or product data submittals without formal request submitted in accordance with this Section.
2. Acceptance will require substantial revision of Contract Documents.
3. In the Professional's judgment, the product, or material, is not equal.
4. The Contractor does not submit as required in paragraph "B" above.

END OF SECTION

SECTION 01 65 00

STARTING OF SYSTEMS

1.01 GENERAL

- A. **Scope:** This Section describes the procedures for startup of all building equipment and systems including necessary demonstration and instructions.

1.02 STARTING SYSTEMS

- A. Coordinate Schedule for start-up of various equipment and systems.
- B. Notify Professional and Owner seven (7) days prior to start-up of each system.
- C. Verify each piece of equipment or system has been checked for proper lubrication, drive rotation, belt tension, control sequence, or other conditions which may cause damage.
- D. Verify that tests, meter readings and specified electrical characteristics agree with those required by the equipment or system manufacturer.
- E. Verify wiring and support components for equipment are complete and tested.
- F. Execute start-up under supervision of responsible Contractors' personnel in accordance with manufacturers' instructions.
- G. When specified in individual specification Sections, require Manufacturer to provide authorized representative to be present at site to inspect, check and approve equipment or system installation prior to start-up, and to supervise placing equipment or system in operation.
- H. Submit a written report that equipment or system has been properly installed and is functioning correctly.

1.03 DEMONSTRATION AND INSTRUCTIONS

- A. Demonstrate operation and maintenance of Products to Owner's personnel prior to date of Substantial Completion.
- B. Utilize operation and maintenance manuals as basis for instruction. Review contents of manual with Owner's personnel in detail to explain all aspects of operation and maintenance.
- C. Demonstrate start-up, operation, control, adjustment, trouble-shooting, servicing, maintenance, and shutdown of each item of equipment at agreed-upon times, at designated location.
- D. Prepare and insert additional data in operations and maintenance manuals when need for additional data becomes apparent during instruction.

- E. Owner Training by the Equipment Manufacturer may be done during NON-BUSINESS HOURS; Manufacturer shall include pricing for overtime pay in the bid associated with training sessions that occur after 5pm, before 8am or during weekends to accommodate the Owner's scheduling.

END OF SECTION

SECTION 01 73 00

CUTTING AND PATCHING

1.01 GENERAL DESCRIPTION

- A. **Scope:** To set forth broad, general conditions covering cutting and patching that applies to everyone and everything on the job.
- B. Execute cutting including excavating, fitting, or patching of work required to:
 - 1. Make several parts fit properly.
 - 2. Uncover work to provide for installation of ill-timed work.
 - 3. Remove and replace defective work.
 - 4. Remove and replace work not conforming to Contract requirements.
 - 5. Install specified work in existing construction.
- C. In addition to Contract requirements, upon Professional's written instructions:
 - 1. Uncover work for observation of covered work.
 - 2. Remove samples of installed materials for testing.
 - 3. Remove work to provide alteration of existing work.
- D. Do not cut or alter work of another Contractor without permission.
- E. **Payment of Costs:** Costs caused by ill-timed, or defective work or work not conforming to Contract Documents will be borne by party responsible for ill-timed, defective work, or non-conforming work.

1.02 MATERIALS/PRODUCTS

- A. **Materials for Replacement or Work Removed:** Comply with Specifications for type of work to be accomplished.

1.03 EXECUTION

- A. **Inspection:** Inspect existing conditions of work, including elements subject to movement, or damage during cutting and patching.
- B. **Preparation Prior to Cutting:** Provide shoring, bracing and support, as required, to maintain structural integrity of the building. Provide protection for other portions of work and protection from the elements.
- C. **Performance:**
 - 1. Execute cutting and demolition by methods which prevent damage to other work and will provide surfaces to receive installation of repairs and new work.
 - 2. Execute excavating and backfilling by methods which prevent damage to other work and prevent settlement.
 - 3. Restore work which has been cut or removed; install new products to provide completed work in accordance with requirements of Contract Documents.

4. Refinish entire surfaces, as necessary, to provide an even finish. Refinish continuous surfaces to the nearest intersection and assemblies entirely.

END OF SECTION

SECTION 01 74 00

CLEANING

1.01 DESCRIPTION

- A. **Scope:** Maintain premises and adjacent public properties from accumulations of waste, debris and rubbish caused by operations. At completion of work, remove waste materials, rubbish, tools, equipment, machinery and surplus materials and clean all sight-exposed surfaces; leave Project clean and ready for occupancy.

1.02 PRODUCTS

- A. **Materials:** Use only cleaning materials recommended by Manufacturer of surface to be cleaned. Use cleaning materials only on surfaces recommended by the cleaning materials Manufacturer.

1.03 EXECUTION

- A. **During Construction:** Execute cleaning to insure that building, grounds and adjacent public properties are maintained free from accumulations of waste materials and rubbish. The Contractor shall wet down dry materials and rubbish to lay dust and prevent blowing dust. At reasonable intervals during progress of work, the Contractor shall clean site and adjacent public properties and dispose of waste materials, debris and rubbish. Remove waste materials, debris and rubbish from site and legally dispose of at public or private dumping areas off Owner's property. Vacuum clean interior building areas when ready to receive finish painting and continue vacuum cleaning on an as-needed basis until building is ready for substantial completion or occupancy. Handle materials in a controlled manner with as few handlings as possible; do not drop or throw materials from heights. The Contractor shall schedule cleaning operations so that dust or other contaminants resulting from cleaning process will not fall on wet or newly painted surfaces.
- B. **Final Cleaning:** Employ experienced workmen, or professional cleaners, for final cleaning. In preparation for substantial completion or occupancy, conduct final inspection of sight-exposed interior and exterior surfaces and concealed spaces. Remove grease, dust, dirt, stains, labels, fingerprints and other foreign materials from sight- exposed finishes. Repair, patch and touch up marred surfaces to specified finish to match adjacent surfaces. Broom clean paved surfaces; rake clean other surfaces of grounds. Replace air conditioning filters, if units were operated during construction. Clean ducts, blowers and coils if air conditioning units were operated without filters during construction. Maintain cleaning until Project, or respective portions thereof, is occupied by Owner.

END OF SECTION

SECTION 01 75 00

PROJECT RECORD DOCUMENTS

1.01 DESCRIPTION

- A. **Scope:** To set forth the procedure and requirements for keeping project record documents.
- B. **Maintenance Documents:**
1. Maintain one (1) copy of all the following: Contract drawings, Project Manual, Addenda, Change Order(s), reviewed shop drawings, reviewed submittals, hardware schedules, filed and laboratory test records, equipment brochures, parts list, operating instructions and other modifications to the Contract.
 2. Store documents apart from documents used for construction.
 3. Maintain documents in clean, dry, legible condition. Do not use record documents for construction purposes.
 4. Make documents available, always, for inspection by the Professional and the Owner.
- C. **Recording:**
1. **General:** Mark all modifications in red pencil. Keep record documents current. Do not permanently conceal any work until required information has been recorded.
 2. **Contract Drawings:** Legibly mark to record actual construction.
 - a. Horizontal and vertical location of underground utilities and appurtenances referenced to permanent surface improvements.
 - b. Location of internal utilities and appurtenances concealed in construction referenced to visible and accessible features of structure.
 - c. Field changes in dimension and detail.
 - d. Changes made by change order(s) or field order(s).
 - e. All Subcontractors shall assist the General Contractor in providing the project record documents. This will assist the Owner in maintenance as well as future modifications to the building and site.
 3. **Project Manual and Addenda:** Legibly mark up each section to record Manufacturer, trade name, catalog number and Supplier of each product and item of equipment installed.
 4. **Shop Drawings:** Maintain as record documents. Legibly mark drawings to record changes made after review.
 5. **Project Record Drawings in CAD Format:** When required, Contractor is to make project record changes on Architect provided CAD drawings as well. These changes will reflect construction and building systems and shall be as accurate as possible.
- D. **Equipment Training:** All training required by the Mechanical, Electrical, etc. specifications of regarding operations of equipment shall be digital video recorded digitally by the General Contractor and distributed to the Owner (via close-out documents), Architect and Engineers.
- E. **Submittal:** At completion of Project, deliver two (2) copies of each record document to the Professional, who will transmit both sets to the Owner. The Contractor shall clearly itemize all Project Record Documents on his transmittal.

END OF SECTION

SECTION 01 77 00

CONTRACT CLOSEOUT

1.01 DESCRIPTION

- A. **Scope:** The work required in this Section consists of the final inspections and the submission of all closeout documents and related items to complete the Work indicated on the Drawings and described in the Project Manual. Note that Final Inspection assumes all requirements of Substantial Completion have been met (see *Substantial Completion* in the *A201 Contract General Conditions*).

1.02 FINAL INSPECTIONS

- A. **Professional's Inspection:** The Contractor shall make written request for a final inspection to the Professional; notice to be given ten (10) days prior to the inspection. A list of any deficiencies, compiled by the Professional, will be corrected by the Contractor. If, in the Professional's judgment, the Project is not ready for a final inspection, the Professional may schedule another inspection.
1. If the Contractor's list contains an unreasonable number of items (deemed by the Architect), the Architect will not visit the site for Final Inspection until most of these corrections have been made.
- B. **Owner's Inspection:** After the Professional has ascertained the Project to be ready; an Owner's inspection will be scheduled within ten (10) days thereafter. The Contractor will have ten (10) days after the Owner's acceptance to make any corrections of punch list items and to submit closeout documents.
- C. **Correction of Work Before Final Payment:** The Contractor shall promptly remove from the Owner's premises all materials condemned for failure to conform to the Contract, whether incorporated in the Work or not, and the Contractor shall, at his own expense, replace such condemned materials with those conforming to the requirements of the Contract. Failure to remedy such defects after ten (10) days written notice will allow the Owner to make good such defects and such costs shall be deducted from the balance due the Contractor, or charged to the Contractor in the event no payment is due.
- D. **Training:** The Contractor shall coordinate with the Owner all training required by the Specifications. The Contractor will video (at the Contractor's expense) all sessions and provide two (2) copies to the Owner and one (1) to the Architect as part of the Contract Closeout.

1.03 CLOSEOUT DOCUMENTS

Unless otherwise notified, the Contractor shall submit to the Owner through the Professional, three (3) copies of the following before final payment is made:

- A. **Request for Final Payment:** AIA Document G702, current edition, completed in full or a computer-generated form having similar data.
- B. **Consent of Surety Company to Final Payment:** AIA Document G707, current edition, completed in full by the Bonding company.
- C. **Power of Attorney:** Closeout documents should be accompanied by an appropriate Power of Attorney.

- D. **Release of Liens and Certification that All Bills Have Been Paid:** AIA Document G706A, current edition, completed in full or a sworn statement and affidavit from the Contractor to the Owner stating that all bills for this job have been paid and that the Owner is released from all claims and/or damages.
- E. **Contractor's Affidavit of Payment of Debts and Claims:** AIA Document G706, current edition, completed in full.
- F. **Guarantee of Work:** Sworn statement that all work is guaranteed against defects in materials and workmanship for one (1) year from date of Owner's acceptance, except where specified for longer periods.
1. Word the Guarantee as follows:
We hereby guarantee all work performed by us on the above captioned Project to be free from defective materials and workmanship for a period of one (1) year or such longer period as may be called for in the Contract Documents for such portions of the Work. Note: The Contractor shall not modify or add additional clauses or amendments to this statement.
 2. All guarantees and warranties shall be obtained in the Owner's name.
 3. Within the Guaranty period, if repairs or changes are requested in connection with guaranteed work which, in the opinion of the Owner, are rendered necessary as a result of the use of materials, equipment or workmanship which are inferior, defective or not in accordance with the terms of the Contract, the Contractor shall promptly, upon receipt of notice from and without expense to the Owner, place in satisfactory condition building, site, equipment or contents thereof. The Contractor shall make good any work, materials, equipment or contents of said buildings or site which may be disturbed by fulfilling any such Guaranty.
 4. If, after notice, the Contractor fails to proceed promptly to comply with the terms of the Guaranty, the Owner may have the defects corrected and the Contractor and his Sureties shall be liable for all expense incurred.
 5. All special guarantees applicable to definite parts of the work stipulated in the Project Manual or other documents forming part of the Contract shall be subject to the terms of this paragraph during the first year of the life of such special guaranty.
- G. **Project Record Document:** Furnish all other record documents as set forth in Section 01 75 00 entitled *Project Record Documents*.
- H. **Additional Documents Specified Within the Project Manual:** Provide all additional certificates, warranties, guarantees, bonds or documents as called for in the individual sections of the Project Manual. The Contractor is responsible for examining the Project Manual for these requirements.

END OF SECTION

SECTION 01 90 00

DIVISION ONE SUPPLEMENT

PART 1 - SUMMARY OF WORK SUPPLEMENT

1.01 WORK SEQUENCE

- A. Owner will NOT occupy the building during construction.
- B. Construct work in stages as follows:
 - 1. N/A.

PART 2 - ALLOWANCE SUPPLEMENT

2.01 SCHEDULE OF ALLOWANCES – N/A

PART 3 - ALTERNATE SUPPLEMENT

3.01 DESCRIPTION OF ALTERNATES – N/A

PART 4 – PROJECT SIGN SUPPLEMENT

- 4.01 Project Sign Requirements:** The Prime General Contractor shall erect on adequate supports and maintain one (1) neatly constructed and painted 3/4" thick plywood sign approximately eight (8) feet by eight (8) feet. The project sign will consist of a large printed image of the building provided by the Architect. The Architect will also provide colors, lettering, logos, layout and location for the project sign.

END OF SECTION

SECTION 01 94 00

ADDENDA

1.01 ADDENDA

Any Addendum issued on this Project will be included in Section 01 94 00 and become a part of the *Standard Form of Agreement Between the Owner and the Contractor*.

END OF SECTION

SECTION 01 95 00

ARCHITECT'S SPECIAL CONDITIONS

PART ONE - GENERAL

1.01 OWNERSHIP OF DRAWING AND SPECIFICATIONS

- A. The drawings and specifications and copies thereof furnished by the Architect are his property. All such copies shall be returned to the office of the Architect and shall not be used on any other work. The drawings and specifications are instruments of the Architectural Service rendered.

1.02 VERIFICATION OF DIMENSIONS

- A. Before ordering any materials or doing any work, each Contractor shall verify the dimensions and shall be responsible for the accuracy of such dimensions as they affect the work. No extra compensation will be allowed because differences between the dimensions shown on the drawings and actual dimensions.

1.03 PLANS AND SPECIFICATIONS

- A. The specifications and the drawings are intended to agree with each other, and to be mutually explanatory. They are also intended to be complementary and any work or materials called for by either shall be performed and/or furnished as if called for by both.
- B. RELATION OF PLANS AND SPECIFICATIONS:
 - 1. The Architect shall be notified of any discrepancies in the documents.
 - 2. To be equal authority and priority, should they disagree in themselves, or with each other, **bids shall be based on the most expensive combination of quality and quantity of work indicated.** The appropriate Work, in the event of the above-mentioned disagreement shall be determined by the Architect.
 - 3. Written dimensions take precedence over scale measurements.
 - 4. Large scale details take precedence over smaller scale details.
 - 5. Architectural Drawings take precedence regarding dimensions, when in conflict with Mechanical and Structural Drawings, except for the size of structural members.
 - 6. Specifically, titled drawings and sections of the specifications take precedence over indication of the item in a collateral way.
 - 7. Existing conditions take precedence over Drawings and Specifications for dimensions.

1.04 FIRES AND TRASH DISPOSAL

- A. No open fires shall be permitted. Trash and construction debris shall be removed from the site and properly disposed of by the Contractor.

1.05 COLOR SCHEDULES

- A. Color schedules will be prepared by the Architect after the Contractor has furnished all necessary submittals, samples, and color chips from the actual suppliers and subcontractors. Delivery of these materials to the Architect shall occur within 30 days after the Notice to Proceed.

1.06 WORKMANSHIP

- A. All work as described or required shall be executed in a neat, skillful manner, in accordance with the best recognized trade practice. Only competent workmen (including the superintendent) who work and perform their duties satisfactorily shall be employed on the project, and when requested by the Architect, the Contractor shall discharge and shall not re-employ on the project any person who commits trespass or who is, in the opinion of the Architect, dangerous, disorderly, insubordinate, incompetent, or otherwise objectionable. Poor or expedient workmanship and substandard materials will not be tolerated. Craftsmen and subcontractors hired for this Project are expected to be of extraordinary quality who takes pride in their work.

1.07 CERTIFIED DRUG FREE WORKPLACE CERTIFICATION

- A. The General Contractor and all Subcontractors shall be enrolled in a certified drug free workplace program that provides periodic and random drug testing to all of employees.
- B. Proof of enrollment in a certified drug free workplace program must be submitted within 10 days after the bid opening.

1.08 SAFETY PROGRAM

- A. The General Contractor and all Subcontractors shall be enrolled in a certified safety program.
- B. Proof of enrollment in a certified safety program must be submitted within 10 days after the bid opening.

1.09 JOB SITE BEHAVIOR

- A. The job site shall be maintained as a clean, safe and healthy work environment:
- a. Drug, alcohol, and tobacco use is strictly prohibited.
 - b. Foul language and behavior is strictly prohibited.
 - c. Workers shall remain fully clad always, including but not limited shirts and shoes.
 - d. All workers shall wear identification of their employment affiliation either on their shirts or hard hats always. This includes all general contractors and subcontractors.

1.10 NON-COMPLIANCE WITH CONTRACT DOCUMENTS

- A. The Architect will charge to the Contractor the rates specified in *Section 01 95 00 Architect's Special Conditions* for any time spent by the Architect or his Consultants pertaining to the Contractor's inability (purposeful or accidental) to perform the requirements of the Contract Documents.
- B. Compensation to the Architect shall occur in the following instances:
1. Project Extends Beyond Contract Time: Except for approved rain days and official time extensions to the Contract Time by Change Order, the Architect shall charge (hourly) for any service provided starting on the date that the Contract Time expires and finishing on the date of Final Completion as defined in the Contract Documents.
 2. Repeating Information Unnecessarily: The General Contractor does not write down instructions or answers from the Architect during on-site visits causing the Architect to repeat the same instructions or answers on a separate occurrence.

3. Reviewing Documents Excessively: The Architect reviews any of the following documents more than twice without approval due the Contractor's inability to accurately represent current conditions or comply with the Contract Documents:
 - a. Application for Payments
 - b. Schedule of Values
 - c. Change Orders
 - d. Rejected Submittals: Submittals that do not comply with the Contract Documents
 - e. Revised Submittals: Submittals revised more than twice and requiring additional reviews for approval.
 4. Value Engineering (VE): The Architect will charge hourly for all time spent in the VE process. *Section 01 27 50 Value Engineering* requires the involvement of the Architect in the VE process. If this process takes place without the required involvement of the Architect, the Architect will charge for all time required to assist in making the Contract Documents conform with the VE results; this process could require many more additional hours than would occur if the Architect was involved in the VE process.
 5. Unnecessary Trips: All trips made to the job site to review materials, mock-ups, samples or work that do not conform with the requirements of the Contract Documents because of the Contractor not following the rules of "Repeating Information Unnecessarily" above.
 6. Stored Materials Review (Off-Site): Time and travel expenses for the review of materials stored off-site located greater than 10 miles from the project site or Architect's home office.
 7. Additional Substantial and Final Completion Inspections: All additional trips made to the job site with intentions of performing a Substantial Completion review or Final Completion inspections beyond the one trip for each event provided in the Contract Documents in *Section 01 77 00 Contract Closeout*.
- C. Rates charged for the services listed in the "Compensation to the Architect" section above are determined by the Architect's current rate schedule attached following this Section:

END OF SECTION

SECTION 02 41 00
BUILDING AND STRUCTURE DEMOLITION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Building demolition excluding removal of hazardous materials and toxic substances.
- B. Selective demolition of built site elements.
- C. Selective demolition of building elements for alteration purposes.
- D. Abandonment and removal of existing utilities and utility structures.
- E. Schedule of on-site items to be salvaged for the Owner to take possession or to be salvaged for reuse and reinstallation in this project.

1.02 RELATED REQUIREMENTS

- A. Section 01 50 00 - Temporary Facilities and Controls: Site fences, security, protective barriers, and waste removal.
- B. Section 02 82 00 - Hazardous Materials Remediation: Other hazardous material remediation.

1.03 REFERENCE STANDARDS

- A. 29 CFR 1926 - U.S. Occupational Safety and Health Standards; current edition.
- B. NFPA 241 - Standard for Safeguarding Construction, Alteration, and Demolition Operations; 2013.

1.04 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Site Plan: Showing:
 - 1. Vegetation to be protected.
 - 2. Areas for temporary construction and field offices.
 - 3. Areas for temporary and permanent placement of removed materials.
- C. Demolition Plan: Submit demolition plan as specified by OSHA and local authorities.
 - 1. Indicate extent of demolition, removal sequence, bracing and shoring, and location and construction of barricades and fences.
 - 2. Identify demolition firm and submit qualifications.
 - 3. Include a summary of safety procedures.
- D. Project Record Documents: Accurately record actual locations of capped and active utilities and subsurface construction.

1.05 QUALITY ASSURANCE

- A. Demolition Firm Qualifications: Company specializing in the type of work required.

PART 2 PRODUCTS

2.01 MATERIALS

PART 3 EXECUTION

3.01 SCOPE

- A. Remove all buildings or portions thereof designated to be demolished as indicated in the Drawings.
- B. Remove paving and curbs as required to accomplish new work as indicated in the drawings.
- C. Within area of new construction, completely remove all existing (found) foundation walls and footings to the extent that they must be removed not to compromise new structural foundations shown for new construction. All foundation elements planned (or decided) to remain are to be documented and reported the structural engineer for approval first. The structural engineer has

the final approval of any existing foundation components to remain with in the new construction area.

- D. Remove fences and gates only when shown to be demolished.
- E. Remove other items indicated, for salvage, relocation, and recycling.
- F. Fill excavations, open pits, and holes in ground areas generated as result of removals, using specified fill; compact fill as specified in sections 31 23 00 and 31 23 18.

3.02 GENERAL PROCEDURES AND PROJECT CONDITIONS

- A. Comply with applicable codes and regulations for demolition operations and safety of adjacent structures and the public (where applicable).
 - 1. Obtain required permits.
 - 2. Use of explosives is not permitted.
 - 3. Take precautions to prevent catastrophic or uncontrolled collapse of structures to be removed; do not allow worker or public access within range of potential collapse of unstable structures.
 - 4. Provide, erect, and maintain temporary barriers and security devices.
 - 5. Use physical barriers to prevent access to areas that could be hazardous to workers or the public.
 - 6. Conduct operations to minimize effects on and interference with adjacent structures and occupants.
 - 7. Do not close or obstruct roadways or sidewalks without permit.
 - 8. Conduct operations to minimize obstruction of public and private entrances and exits; do not obstruct required exits at any time; protect persons using entrances and exits from removal operations.
 - 9. Obtain written permission from owners of adjacent properties when demolition equipment will traverse, infringe upon or limit access to their property.
- B. Do not begin demolition until receipt of notification to proceed from City of Hattiesburg .
- C. Do not begin demolition until built elements to be salvaged or relocated have been removed.
- D. Do not begin demolition until vegetation to be relocated has been removed and specified measures have been taken to protect vegetation to remain.
- E. Protect existing structures and other elements that are not to be removed.
 - 1. Provide bracing and shoring.
 - 2. Prevent movement or settlement of adjacent structures.
 - 3. Stop work immediately if adjacent structures appear to be in danger.
- F. Minimize production of dust due to demolition operations; do not use water if that will result in ice, flooding, sedimentation of public waterways or storm sewers, or other pollution.
- G. If hazardous materials are discovered during removal operations, stop work and notify Albert & McCleskey Associates Architects and City of Hattiesburg; hazardous materials include regulated asbestos containing materials, lead, PCB's, and mercury.
- H. Perform demolition in a manner that maximizes salvage and recycling of materials.
 - 1. Dismantle existing construction and separate materials.
 - 2. Set aside reusable, recyclable, and salvageable materials; store and deliver to collection point or point of reuse.
- I. Partial Removal of Paving and Curbs: Neatly saw cut at right angle to surface.

3.03 EXISTING UTILITIES

- A. Coordinate work with utility companies; notify before starting work and comply with their requirements; obtain required permits.
- B. Protect existing utilities to remain from damage.
- C. Do not disrupt public utilities without permit from authority having jurisdiction.

- D. Do not close, shut off, or disrupt existing life safety systems that are in use without at least 7 days prior written notification to City of Hattiesburg.
- E. Do not close, shut off, or disrupt existing utility branches or take-offs that are in use without at least 3 days prior written notification to City of Hattiesburg.
- F. Locate and mark utilities to remain; mark using highly visible tags or flags, with identification of utility type; protect from damage due to subsequent construction, using substantial barricades if necessary.
- G. Remove exposed piping, valves, meters, equipment, supports, and foundations of disconnected and abandoned utilities.
- H. Prepare building demolition areas by disconnecting and capping utilities outside the demolition zone; identify and mark utilities to be subsequently reconnected, in same manner as other utilities to remain.

3.04 SELECTIVE DEMOLITION FOR ALTERATIONS

- A. Drawings showing existing construction and utilities are based on casual field observation and existing record documents only.
 - 1. Verify that construction and utility arrangements are as indicated.
 - 2. Report discrepancies to Albert & McCleskey Associates Architects before disturbing existing installation.
 - 3. Beginning of demolition work constitutes acceptance of existing conditions that would be apparent upon examination prior to starting demolition.
- B. Separate areas in which demolition is being conducted from other areas that are still occupied.
 - 1. The Contractor shall maintain a temporary second Means of Egress throughout the entirety of the project, constructed in accordance with OSHA standards. It shall extend from the portion of the building being occupied directly to the exterior of the building.
 - 2. Provide dust proof and sound retardant partitions as required to separate occupied and non-occupied areas.
- C. Maintain weatherproof exterior building enclosure except for interruptions required for replacement or modifications; take care to prevent water and humidity damage.
- D. Remove existing work as indicated and as required to accomplish new work.
 - 1. Remove items indicated on drawings.
- E. Services (Including but not limited to HVAC, Plumbing, Fire Protection, Electrical, and Telecommunications): Remove existing systems and equipment as indicated.
 - 1. Maintain existing active systems that are to remain in operation; maintain access to equipment and operational components.
 - 2. Where existing active systems serve occupied facilities but are to be replaced with new services, maintain existing systems in service until new systems are complete and ready for service.
 - 3. Verify that abandoned services serve only abandoned facilities before removal.
 - 4. Remove abandoned pipe, ducts, conduits, and equipment, including those above accessible ceilings; remove back to source of supply where possible, otherwise cap stub and tag with identification.
- F. Protect existing work to remain.
 - 1. Prevent movement of structure; provide shoring and bracing if necessary.
 - 2. Perform cutting to accomplish removals neatly and as specified for cutting new work.
 - 3. Repair adjacent construction and finishes damaged during removal work.
 - 4. Patch as specified for patching new work.

3.05 DEBRIS AND WASTE REMOVAL

- A. Remove debris, junk, and trash from site.
- B. Leave site in clean condition, ready for subsequent work.

- C. Clean up spillage and wind-blown debris from public and private lands.

END OF SECTION

SECTION 02 82 00

HAZARDOUS MATERIALS REMEDIATION

PART ONE GENERAL

1.01 CONTRACTOR REQUIREMENTS

- A. The Contractor shall be licensed by the State of Mississippi as an asbestos abatement contractor and a lead paint abatement contractor.
- B. The Contractor must be covered with general liability insurance including:
 - 1. Workmen's Compensation
 - 2. Public Liability
 - 3. Property Damage
 - 4. Fire and extended coverage.
- C. The Contractor shall submit documentation that the insurance carrier is aware that this project involves the removal of asbestos, lead paint containing materials and pigeon droppings.

1.02 DESCRIPTION

- A. The Hazardous Materials are identified in the Hazardous Materials Assessment that is provided by the City of Hattiesburg and included in the Contract Documents for reference.

Items containing lead paint may or may not be removed from the building according to the drawings. The Mississippi Department of Environmental Quality does not monitor lead paint abatement activities within this building type (MDEQ only monitors facilities primarily occupied by children and residential type buildings). Where items containing lead paint are to be abated, the Contractor shall abide by safety guidelines indicated within this specification. Where items containing lead paint are to be stripped or repainted, the Contractor shall utilize OSHA procedures to ensure the safety of all workers from contamination.

- B. Applicable Standards and Guidelines:
 - 1. General Requirements
 - a. All work under this Contract shall be done in strict accordance with all applicable Federal, State and Local regulations, standards and codes governing asbestos and lead paint abatement and any other trade work done in conjunction with the abatement.
 - b. The most recent edition of any relevant regulation, standard, document or code shall be in effect. Where conflict among the requirements or with these specifications exists, the most stringent requirements shall be utilized.
 - c. Copies of all standards, regulations, codes and other applicable documents, including this specification shall be available at the worksite.
 - 2. Specific requirements
 - a. Title 29 Code of Federal Regulations Section 1910.1001 - General Industry Standard for Asbestos.
 - b. Title 29 Code of Federal Regulations Section 1910.134 - General Industry Standard for Respiratory Protection.
 - c. Title 29 Code of Federal Regulations Section 1926 - Construction Industry.
 - d. Title 29 Code of Federal Regulations Section 1910.2 - Access to Employee Exposure and Medical Records.
 - e. Title 29 Code of Federal Regulations Section 1910.1200 - Hazard Communication

3. Environmental Protection Agency (EPA)
 - a. Title 40 Code of Federal Regulations Section 61 Subparts A and M (Revised Subpart B) - National Emission Standard for Asbestos
 - b. Title 40 Code of Federal Regulations Section 763 Subpart G - Asbestos Hazard Emergency Response Act
- C. These specifications and any applicable drawings in their entirety are to be a part of any subcontract let by the prime Contractor on this project. The prime Contractor will be held responsible for the whole actions by any of his subcontractors or their employees. All sections and provisions of this specification and any drawings that are a part of this specification are to be adhered to by any subcontractor on this project. The prime Contractor will be responsible for supervising his subcontractors.

1.03 SUBMITTALS AND NOTICES

- A. Contractor shall:
 1. Prior to Commencement of Work:
 - a. The Contractor will send notification in accordance with 40 CFR Part 61.146 of Subpart M, to the appropriate State or Federal air pollution control agency responsible for the enforcement of the National Emission Standard for Asbestos at least ten (10) days prior to the commencement of any on-site project activity. Provide Owner with a copy of the notice.
 - b. Submit proof satisfactory to the Owner that required permits, site location and arrangements for transport and disposal of asbestos containing waste materials have been made. Obtain and submit a copy of handling procedures and list of protective equipment utilized for asbestos disposal at the landfill, signed by the landfill Owner.
 - c. Submit documentation satisfactory to the Owner that the Contractor's employees, including foreman, supervisors and any other company personnel or agents who may be exposed to airborne asbestos fibers or who may be responsible for any aspects of abatement activities, have received the appropriate licensure from the Mississippi Department of Environmental Quality.
 - d. Document NIOSH approval for all respiratory protective devices utilized on-site. Include manufacturer certification of HEPA filtration capabilities for all cartridges and filters.
 2. During Abatement Activities
 - a. Submit weekly job progress reports detailing abatement activities. Include review of progress with respect to previously established milestones and schedules, major problems and action taken, injury reports, equipment breakdown and bulk material and air sampling results conducted by Contractor's Air Sampling Professional.
 - b. Submit copies of all transport manifests, trip tickets and disposal receipts for all asbestos waste materials removed from the work area during the abatement process.
 - c. Submit daily, copies of worksite entry logbooks with information on worker and visitor access.
 - d. Submit logs documenting filter changes on respirators, HEPA vacuum, negative pressure ventilation units, and other engineering controls.
 - e. Submit results of bulk material analysis and air sampling data collected during the course of the abatement including OSHA compliance air monitoring results.
 - f. Post in the clean room area of the worker decontamination enclosure a list containing the names, addresses, and telephone numbers of the Contractor, the Owner, the Asbestos Project Officer, the General Superintendent, the Air Sampling Professionals, the testing laboratory and any other personnel who may be required to assist during abatement activities.
 - g. The Contractor will maintain "ON SITE" and available for inspection at any time by authorized persons: The COPIES of all Accreditation Certificates for each and every person working on this Project, for which accreditation is required.

- B. Owner Shall:
 - 1. Prior to Commencement of Work:
 - a. Submit to the Contractor, results of pre-abatement air sampling (if conducted) including location of samples, names of the Air Sampling Professional, equipment utilized and method of analysis.
 - b. Provide to the Contractor information concerning access, shutdown and protection requirements of certain equipment and systems in the work area.
 - 2. During Abatement:
 - a. Submit to the Contractor, results of bulk material analysis and air sampling data collected during the course of the abatement. These sample results are for information only. They serve only to monitor Contractor performance during the project and shall not release the Contractor from any responsibility to sample for OSHA compliance.

1.04 SITE SECURITY

- A. The work area is to be restricted only to authorized, trained and protected personnel. These may include the Contractor's employees, employees of Subcontractors, Owner employees and representatives, State and Local inspectors and any other designated individuals. A list of authorized personnel shall be established prior to job start and posted in the clean room of the worker decontamination facility.
- B. Entry into the work area by unauthorized individuals shall be reported immediately to the Owner by the Contractor.
- C. A logbook shall be maintained at the job site. Anyone who enters the work area must record name, affiliation, time in, and time out for each entry.
- D. Contractor should have control of site security during abatement operations whenever possible, in order to protect work efforts and equipment.

1.05 EMERGENCY PLANNING

- A. Emergency planning shall be developed prior to abatement initiation and agreed to by Contractor and Owner.
- B. Emergency procedures shall be in written form and prominently posted in the clean change areas and equipment room of the worker decontamination area. Everyone prior to entering the work area must read and sign these procedures to acknowledge receipt and understanding of work site layout, location of emergency exits and emergency procedures.
- C. Emergency planning shall include written notification of police, fire and emergency medical personnel of planned abatement activities, work schedule and layout of work area, particularly barriers that may affect response capabilities.
- D. Emergency planning shall include considerations of fire, explosion, toxic atmospheres, electrical hazards, slips, trips and falls, confined spaces and heat related injury. Written procedures shall be developed and employee training in procedures shall be provided.
- E. Employees shall be trained in evacuation procedures in the event of workplace emergencies.
 - 1. For non-life-threatening situations - employees injured or otherwise incapacitated shall decontaminate following normal procedures with assistance from fellow workers if necessary, before exiting the workplace to obtain proper medical treatment.

2. For life-threatening injury or illness, worker decontamination shall take least priority after measures to stabilize the injured worker, remove him from the workplace and secure proper medical treatment.
 3. At least one Supervisory person having a CURRENT Certificate indicating that they have successfully completed an OSHA approved "Standard First Aid Course" as presented by the American Red Cross MUST be ON SITE at the Abatement Site at ANY time there are workers performing any function as part of this Abatement Project. At least one (1) COMPLETE First Aid kit must be on site at all times for the duration of this Abatement Contract.
- F. Telephone numbers of all emergency response personnel shall be prominently posted in the clean change area and equipment room, along with the location of the nearest telephone.

1.06 PRE-START MEETING

- A. The AAC shall attend a pre-start job meeting which will be coordinated by the Architect. Attending this meeting will be representatives of the Owner and the Owner's agents along with the successful Bidder.
- B. The Contractor and supervisory personnel who will provide on-site direction of the abatement activities must attend.
- C. At this meeting the Contractor shall provide all submittals as required. In addition, he shall be prepared to provide detailed information concerning:
1. Preparation of work area.
 2. Personal protective equipment including respiratory protection and protective clothing.
 3. Employees who will participate in the project, including delineation of experience, training, and assigned responsibilities during the project.
 4. Decontamination procedures for personnel, work area and equipment.
 5. Abatement methods and procedures to be utilized.
 6. Required air monitoring procedures.
 7. Procedures for handling and disposing of waste materials.
 8. Procedures for final decontamination and cleanup.
 9. A sequence of work and performance schedule.
 10. Procedures for dealing with heat stress.
 11. Emergency procedures.

PART TWO PRODUCTS

2.01 MATERIALS

- A. General (all abatement projects):
1. Deliver all materials in the original packages, containers or bundles bearing the name of the manufacturer and the brand name (where applicable).
 2. Store all materials subject to damage off the ground, away from wet or damp surfaces and under cover sufficient enough to prevent damage or contamination. Replacement materials shall be stored outside of the work area until abatement is completed.
 3. Damaged, deteriorating or previously used materials shall not be used and shall be removed from the worksite and disposed of properly.
 4. Polyethylene sheeting shall be a minimum of 4-mil thick.
 5. Disposal bags shall be of 6-mil polyethylene, pre-printed with labels as required by EPA regulation 40 CFR 61.152 (b) (I) (iv) or OSHA requirement 29 CFR 1910.1001 (g) (2) (ii). Disposal bags will be "TRANSLUCENT" or "CLEAR", OPAQUE bags not approved.
 6. Disposal drums, if used, shall be metal or fiberboard with locking ring tops.

7. Stick-on labels as per EPA or OSHA requirement (see 2.1.2.7) for disposal drums.
8. Warning signs as required by OSHA 29 CFR 1910.1001 (g) (I) (ii) or as proposed in 29 CFR 190.1001 Asbestos Proposed Rule, Federal Register and Vol. 49, Tuesday, April 10, 1984 (recommended).

B. Removal

1. Surfactant (wetting agent) shall be a 50/50 mixture of polyoxyethylene ether and polyoxyethylene ester, or equivalent, mixed in a proportion of 1 fluid ounce to 5 gallons of water or as specified by manufacturer. (An equivalent surfactant shall be understood to mean a material with a surface tension of 29 dynes/cm as tested in its properly mixed concentration, using ASTM method D1331-56 - "Surface and Interfacial Tension of Solutions of Surface Active Agents.") Where work area temperature may cause freezing of the amended water solution, the addition of ethylene glycol in amounts sufficient to prevent freezing is permitted.

2.02 EQUIPMENT

A. General (all abatement projects):

1. Spectacle kits and eyeglasses must be provided for employees who wear glasses and who must wear full face piece respirators. Respirators shall be provided that have been tested and approved by the National Institute of Occupation Safety and Health for use in asbestos contaminated atmospheres.
2. Full body disposable protective clothing, including head, body and foot coverings (unless using footwear as described in 2.2.1.6.) consisting of material impenetrable by asbestos fibers ("Tyvek" or equivalent) shall be provided to all workers and authorized visitors in sizes adequate to accommodate movement without tearing.
3. Additional safety equipment (e.g. hard hats meeting the requirements of ANSI Standard Z89.1-1981, eye protection meeting the requirements of ANSI Standard z87.1-1979, safety shoes meeting the requirements of ANSI z41.1-1967, disposable PVC gloves), as necessary, shall be provided to all workers and authorized visitors.
4. Non-skid footwear shall be provided to all abatement workers. Disposable clothing shall be adequately sealed to the footwear to prevent body contamination.

B. Removal

1. A sufficient supply of scaffolds, ladders, lifts and hand tools (e.g. scrapers, wire cutters, brushes, utility knives, wire saws, etc.) shall be provided as needed.
2. Sprayers with pumps capable of providing 500 pounds per square inch (psi) at the nozzle tip at a flow rate of two (2) gallons per minute for spraying amended water.
3. Rubber dustpans and rubber squeegees shall be provided for cleanup.
4. Brushes utilized for removing loose asbestos containing material shall have nylon or fiber bristles, not metal.
5. A sufficient supply of HEPA filtered vacuum systems shall be available during cleanup.

PART THREE EXECUTION

3.01 PREPARATION

A. Work Areas

1. Post caution signs meeting the specifications of OSHA 29 CFR 1910.101 (g) (I) (ii) at any location and approaches to a location where airborne concentrations of asbestos may exceed ambient background levels. Signs shall be posted at a distance far enough away from the work area to permit an employee to read the sign and take the necessary protective measures to avoid exposure. Additional signs may need to be posted following construction of workplace enclosure barriers.

2. Provide necessary electric power and access to the electric breakers and switch gear in this work area. Provide temporary power and lighting. Insure safe installation (including ground faulting) of temporary power sources and equipment by compliance with all applicable electrical code requirements and OSHA requirements for temporary electrical systems.
 3. Shut down and lock out all heating, cooling and air conditioning system (HVAC) components that are in, supply or pass through the work area. Appropriate equipment and control measures shall be utilized to prevent contamination of building spaces during this operation. Seal all intake and exhaust vents in the work area with tape and 6-mil polyethylene.
 4. The Contractor shall provide sanitary facilities for abatement personnel outside of the enclosed work area (containment area) and maintain them in a clean and sanitary condition throughout the project.
 5. The Owner will provide water for construction purposes. Contractor shall connect to existing Owner system.
 6. Clean all fixed objects in the work area using HEPA filtered vacuums and/or wet cleaning techniques as appropriate. Careful attention must be paid to machinery behind grilles or gratings where access may be difficult, but containment is significant.
- B. Isolation of the work area from occupied areas of the building: The AAC shall isolate the work from the other areas of the building by the use of 4-mil polyethylene sheeting and negative air machines.
- C. Commencement of work shall not occur until:
1. All pre-abatement submissions, notifications, postings and permits have been provided and are satisfactory to the Owner.
 2. All equipment for abatement, clean-up and disposal are on hand.
 3. All worker training (and certification) is completed.
 4. Contractor receives permission from Owner to commence abatement.

3.02 WORKPLACE ENTRY AND EXIT PROCEDURES

- A. Personnel entry and exit
1. All personnel who enter the work area must sign the entry log, located in the clean room, upon entry and exit.
 2. All personnel, before entering the work area, shall read and be familiar with all posted regulations, personal protection requirements (including workplace entry and exit procedures) and emergency procedures. A sign-off sheet shall be used to acknowledge that these have been reviewed and understood by all personnel prior to entry.
 3. All personnel shall proceed first to remove all street clothes and appropriately don respiratory protection (as deemed adequate for the job conditions) launderable and/or disposable coveralls, head covering and foot covering. Hard hats, eye protection and gloves shall also be utilized if required. Clean respirators and protective clothing shall be provided and utilized by each person for each separate entry into the work area.
 4. Before leaving the work area, all personnel shall remove gross contamination from the outside of respirators and protective clothing by HEPA Vacuum and/or wet wiping procedures.
 5. Personnel shall proceed to remove all protective equipment except respirators. Deposit disposable (and launderable) clothing into appropriately labeled containers for disposal (and laundering.)

3.03 PERSONNEL PROTECTION REQUIREMENTS

- A. Training
1. Prior to commencement of abatement activities all personnel who will be required to enter the work area or handle containerized asbestos containing materials must have received adequate training.

2. Special on-site training on equipment and procedures unique to this job site shall be performed as required.
3. Training in emergency response and evacuation procedures shall be provided.

B. Respiratory Protection

1. All respiratory protection shall be provided to workers in accordance with the submitted written respiratory protection program, which includes all items in OSHA 29 CFR 1910.134 (b) (1-11). This program shall be posted in the clean room of the worker decontamination enclosure system.
2. Workers shall be provided with personally issued, individually identified (marked with waterproof designations) respirators.
3. Respirators shall be selected that meet the following level of protection requirements: The Contractor is responsible for assuring that the exposure level to the worker within the mask does not exceed .01 fibers/cc. 8 hour TWA.
4. Fit testing
 - a. Workers must perform positive and negative air pressure fit tests each time a respirator is put on, whenever the respirator design so permits. Powered air-purifying respirators shall be tested for adequate flow as specified by the manufacturer.
 - b. Workers shall be given a qualitative fit test in accordance with procedures detailed in the OSHA Lead Standard (29 CFR 1910.1025, Appendix D, Qualitative Fit Test Protocols) for all respirators to be used on this abatement project. An appropriately administered quantitative fit test may be substituted for the qualitative fit test.
 - c. Documentation of adequate respirator fit must be provided to the Owner.
5. No one wearing a beard shall be permitted to don a respirator and enter the work area.
6. Additional respirators (minimum of two (2) of each type) and training on their donning and use must be available at the work site for authorized visitors who may be required to enter the work area.

C. Protective Clothing

1. Disposable clothing including head, foot and full body protection shall be provided in sufficient quantities and adequate sizes for all workers and authorized visitors. The Owner, his representative and the Air Monitoring Professional will be furnished protective clothing, duct tape, disposable toweling, respirator equipment and respirator wipes and all other required disposables at no additional charge by this Contractor.
2. Launderable clothing, if required, shall be provided in sufficient quantities and adequate sizes for all workers and authorized visitors.
3. Hard hats, protective eyewear, gloves, rubber boots and/or other footwear shall be provided as required for workers and authorized visitors. Safety shoes may be required for some activities.

3.04 REMOVAL PROCEDURES

- A. Clean and isolate the work area in accordance with 3.01, A.
- B. Wet all asbestos containing material with an amended water solution using equipment capable of providing a fine spray mist, in order to reduce airborne fiber concentrations when the material is disturbed. Saturate the material to the substrate; however, do not allow excessive water to accumulate in the work area. Keep all removed material wet enough to prevent fiber release until it can be containerized for disposal. Maintain a high humidity in the work area by misting or spraying to assist in fiber settling and reduce airborne concentrations. Wetting procedures are not equally effective on all types of asbestos containing materials but, shall none-the-less be used in all cases.
- C. Saturated asbestos containing material shall be removed in manageable sections. Removed material should be containerized before moving to a new location for continuance of work. Surrounding areas shall be periodically sprayed and maintained in a wet condition until visible material is cleaned up.

- D. Material removed from building structures or components shall not be dropped or thrown to the ground. Material should be removed as intact sections or components whenever possible and carefully lowered to the ground.
- E. Containers (6-mil polyethylene bags or drums) shall be sealed when full. Wet material can be exceedingly heavy. Double bagging of waste material is usually necessary. A determination of need for single or double bags must be made early in the abatement process and agreed to by the Owner.) Bags shall not be overfilled. They should be securely sealed to prevent accidental opening and leakage by tying tops of bags in an overhand knot or by taping in gooseneck fashion. Do not seal bags with wire or cord. (Bags may be placed in drums for staging and transportation to the landfill. Bags shall be decontaminated on exterior surfaces by wet cleaning and HEPA vacuuming before being placed in clean drums and sealed with locking ring tops).
- F. Large components removed intact maybe wrapped in two (2) layers of 6-mil polyethylene sheeting secured with tape for transport to the landfill.
- G. Asbestos containing waste with sharp-edged components (e.g. nails, screws, metal lathe, tin sheeting) which would tear the polyethylene bags and sheeting shall be placed into drums for disposal.
- H. After completion of all stripping work, surfaces from which asbestos containing materials have been removed shall be wet brushed and sponged or cleaned by some equivalent method to remove all visible residues.

3.05 CLEAN-UP PROCEDURE

- A. Inspect the work area for visible residue.
- B. The work area shall be cleaned until it is in compliance with State and Local requirements and any more stringent criteria agreed upon by the Contractor and Owner prior to initiation of abatement activities (criteria should be in the form of visual inspections and airborne fiber concentrations). Additional cleaning cycles shall be provided, as necessary, at no cost to the Owner until these criteria are met.

3.06 CLEARANCE AIR MONITORING

- A. The asbestos abatement contractor shall include in his price quote to the general contractor an allowance for one TEM air clearance test and 1 PCM air clearance tests to be conducted for this project. The owner will select and arrange for a licensed air monitor to perform these clearance tests. The air monitor will then bill the asbestos abatement contractor directly for these clearance tests. If the AAC fails an air test, then the AAC will be responsible for paying for any additional test required to obtain clearance. If the AAC divides the work up into more containment areas requiring additional clearance tests, then the AAC shall add \$1000.00 per extra clearance to his allowance.

3.07 DISPOSAL PROCEDURES

- A. As the work progresses, to prevent exceeding available storage capacity on-site, sealed and labeled containers of asbestos containing waste shall be removed and transported to the prearranged disposal location.
- B. Disposal must occur at an authorized site in accordance with regulatory requirements of NESHAP and applicable State and Local guidelines and regulations.

- C. All dump receipts, trip tickets, transportation manifests or other documentation of disposal shall be delivered to the Owner for his records. A recommended record keeping format utilizes a chain-of-custody form which includes the names and addresses of the Generator (Owner), Contractor, pickup site, and disposal site, the estimated quantity of the asbestos waste and the type of containers used. The form should be signed by the Generator, the Contractor, and the Disposal Site Operator, as the responsibility for the material changes hands. If a separate hauler is employed, his name, address, telephone number and signature should also appear on the form.
- D. Transportation to the landfill
1. Once drums, bags and wrapped components have been removed from the work area, they shall be loaded into an enclosed truck for transportation.
 2. When moving containers, utilize hand trucks, carts and proper lifting techniques to avoid back injuries. Trucks with lift gates are helpful for raising drums during truck loading.
 3. The enclosed cargo area of the truck shall be free of debris and lined with TWO (2) LAYERS OF 6-mil polyethylene sheeting to prevent contamination from leaking or spilled containers. Floor sheeting shall be installed first and extend up the side walls a minimum of TWENTY-FOUR (24) inches. Wall sheeting shall be overlapped and securely taped into place.
 4. Drums shall be placed on level surfaces in the cargo area and packed tightly together to prevent shifting and tipping. Large structural components shall be secured to prevent shifting and bags placed on top. Do not throw containers into truck cargo area.
 5. Personnel loading asbestos containing waste shall be protected by disposable clothing including head, body and foot protection and at a minimum, half-face piece, air-purifying, dual cartridge respirators equipped with high efficiency filters.
 6. Any debris or residue observed on containers or surfaces outside of the work area resulting from clean-up or disposal activities shall be immediately cleaned-up using HEPA filtered vacuum equipment and/or wet methods as appropriate.
 7. Large metal dumpsters are sometimes used for asbestos waste disposal. These should have doors or tops that can be closed and locked to prevent vandalism or other disturbance to the bagged asbestos debris and wind dispersion of asbestos fibers. Unbagged material shall not be placed in these containers. These containers shall not be used for non-asbestos waste. Bags shall be placed, not thrown, into these containers to avoid splitting.
- E. Disposal at the landfill
1. Upon reaching the landfill, trucks are to approach the dump location as closely as possible for unloading of the asbestos containing waste.
 2. Bags, drums and components shall be inspected as they are off-loaded at the disposal site. Material in damaged containers shall be repacked in empty drums or bags as necessary. (Local requirements may not allow the disposal of asbestos waste in drums. Check with appropriate agency and institute appropriate alternative procedures.)
 3. Waste containers shall be placed on the ground at the disposal site, not pushed or thrown out of trucks (weight of wet material could rupture containers).
 4. Personnel off-loading containers at the disposal site shall wear protective equipment consisting of disposable head, body and foot protection and, at a minimum, half-facepiece, air-purifying, dual cartridge respirators equipped with high efficiency filters.
 5. Following the removal of all containerized waste, the truck cargo area shall be decontaminated using HEPA vacuums and/or wet methods to meet the no visible residue criteria. Polyethylene sheeting shall be removed and discarded along with contaminated cleaning materials and protective clothing, in bags or drums at the disposal site.
 6. If landfill personnel have not been provided with personal protective equipment for the compaction operation by the landfill operator, Contractor shall supply protective clothing and respiratory protection for the duration of this operation.

3.08 RE-ESTABLISHMENT OF THE WORK AREA AND SYSTEMS

- A. Reestablishment of the work area shall only occur following the completion of clean-up procedures and after clearance air monitoring has been performed and documented.
- B. At the discretion of the Contractor, mandatory requirements for personal protective equipment may be waived following the removal of all barriers.
- C. Re-secure mounted objects removed from their former positions during area preparation activities.
- D. Relocate objects that were removed to temporary locations back to their original positions.
- E. Reestablish HVAC, mechanical and electrical systems in proper working order. Remove contaminated HVAC system filters and dispose of as asbestos contaminated waste. Decontaminate filter assembly using HEPA vacuums and wet cleaning techniques. Install new filters in HVAC systems. Dispose of old filters as asbestos waste.
- F. Repair all areas of damage that occurred as a result of abatement activities.
- G. The Contractor will touch up or repaint any and all areas from which paint has been removed or damaged in the process of removing tape or other methods used in attachment of polyethylene sheets or other barriers.
- H. The Contractor will remove all traces of materials used to attach barrier material to the building structure. Care must be exercised when attaching barrier materials to porous building materials such as brick or cement block. All evidence of attachment or encapsulant materials must be removed upon completion of project.

3.09 SUPPORT ACTIVITIES AND PERSONNEL

- A. Training shall be provided by the Contractor to all employees or agents who may be required to disturb asbestos containing or asbestos contaminated materials for abatement and auxiliary purposes and to all supervisory personnel who may be involved in planning, execution or inspection of abatement projects.
- B. Training shall provide, at a minimum, information on the following topics:
 - 1. The health hazards of asbestos including the nature of various asbestos related diseases, routes of exposure, known dose-response relationships, the synergistic relationship between asbestos exposure and cigarette smoking, latency periods for disease and health basis for standards.
 - 2. The physical characteristics of asbestos including fiber size, aerodynamic properties, physical appearance and uses.
 - 3. Employee personal protective equipment including the types and characteristics of respirator classes, limitations of respirators, proper selection, inspection, donning, use, maintenance and storage of respirators, field testing the face-piece-to-face seal (positive and negative pressure fitting tests), qualitative and quantitative fit testing procedures, variations between laboratory and field fit factors, factors that affect respirator fit (e.g. facial hair), selection and use of disposable clothing, use and handling of launderable clothing, non-skid shoes, gloves, eye protection and hard hats.
 - 4. Medical monitoring requirements for workers including required and recommended tests, reasons for medical monitoring and employee access to records.

5. Air monitoring procedures and requirements for workers including description of equipment and procedures, reasons for monitoring, types of samples and current standards with recommended changes.
 6. Work practices for asbestos abatement including purpose, proper construction and maintenance of air-tight plastic barriers, job set-up of airlocks, worker decontamination systems and waste transfer airlocks, posting of warning signs, engineering controls electrical and ventilation system lockout, proper working techniques, waste clean-up, storage and disposal procedures.
 7. Personal hygiene including entry and exit procedures for the work area, use of showers and prohibition of eating, drinking, smoking and chewing in the work area.
 8. Special safety hazards that may be encountered including electrical hazards, air contaminants (CO, wetting agents, encapsulants, materials for Owner's operation), fire and explosion hazards, scaffold and ladder hazards, slippery surfaces, confined spaces, heat stress and noise.
 9. Workshops affording both supervisory personnel and abatement workers the opportunity to see (and experience) the construction of containment barriers and decontamination facilities.
 10. Supervisory personnel shall, in addition, receive training or contract specifications, liability insurance and bonding, legal considerations related to abatement, establishing respiratory protection medical surveillance programs, EPA, OSHA (and State) record keeping requirements, and other topics as requested by the Owner.
- C. Training must be provided by individuals qualified by virtue of experience and education to discuss the topic areas in 3.10.
- D. Training is to have occurred within 12 months prior to the initiation of abatement activities.
- E. Contractor must document training by providing date of training, training entity, course outline, and names and qualifications of trainers.

3.10 MEDICAL MONITORING

- A. Medical monitoring must be provided by the Contractor to any employee or agent that may be exposed to asbestos in excess of background levels during any phase of the abatement project. (Due to the synergistic effects between smoking and asbestos exposure, it is highly recommended that only non-smokers be employed in positions which may require them to enter asbestos contaminated atmospheres.)
- B. Medical monitoring shall include at a minimum:
1. A work/medical history to elicit symptomatology of respiratory disease.
 2. A chest x-ray (posterior - anterior, 14 x 13 inches) evaluated by a Certified B-reader.
 3. A pulmonary function test, including forced vital capacity (FVC) and forced expiratory volume at one second (FEV)₁, administered and interpreted by a certified Pulmonary Specialist.
- C. Employees shall be given an opportunity to be evaluated by a physician to determine their capability to work safely while breathing through the added resistance of a respirator. (Examining physician shall be aware of the nature of respiratory protective devices and their contributions to breathing resistance. They shall also be informed of the specific types of respirators the employee shall be required to wear and the work he will be required to perform, as well as special workplace conditions such as high temperatures, high humidity, and chemical contaminants to which he may be exposed.)

3.11 ASBESTOS PROJECT MANAGER

- A. The Asbestos Project Manager shall be the Owner or a designated representative paid by the Owner. (Also known as the Clerk-of-the-Works or Competent Person, this person could be an administrator,

architect, engineer, industrial hygienist or other individual(s) possessing the qualifications detailed in 3.11, B.)

- B. The Asbestos Project Manager shall be able to demonstrate through special education, training, skills, knowledge or experience satisfactory to the Owner to indicate the ability to carry out the following activities as required:
 - 1. Assist in decision making regarding selection of procedures.
 - 2. Assist in writing contract specifications for the abatement
 - 3. Assist in evaluation of bids and selection of a Contractor.
 - 4. Enforce contract specifications.
 - 5. Tour work area with the Contractor and agree on pre-abatement conditions of the work area.
 - 6. Inspect and sign off on barriers and decontamination enclosure systems.
 - 7. Observe activities at all times during the course of abatement.
 - 8. Meet with the Contractor daily to review work progress and solve problems or adjust procedures as appropriate.
 - 9. Perform bulk material or air sampling and all workplace inspection clearance inspections for the Owner.
 - 10. Report on abatement to the Owner.
 - 11. Request, review and maintain Contractor submittals.
 - 12. Provide training and/or respirator fit testing to personnel.
- C. The Asbestos Project Manager shall have the authority to stop any job activities if they are not being performed in accordance with applicable regulations or guidelines or the requirements of this specification. These will be reported to the Owner with description of activity, reason for stopping it and alternatives for correcting the problem. (Note: The Asbestos Project Manager should be selected as early as possible prior to selection of the Contractor to enable participation during the pre-bid conference, walk-through, and pre-construction conference.)

3.12 AIR SAMPLING PROFESSIONAL (ASP)

- A. The Contractor shall engage the services of an Air Sampling Professional to conduct Air sampling procedures in accordance with all pertinent OSHA, EPA, NIOSH or other regulations.
- B. The ASP shall conduct air sampling in accordance with the NIOSH Standard Analytical Method 7400 or other acceptable methods as otherwise agreed upon.
- C. The Air Sampling Professional shall be experienced and knowledgeable about the methods for asbestos air sampling and be able to select representative numbers and locations of samples.
- D. The Air Sampling Professional shall have adequate liability insurance to protect against errors and omissions in the performance of support activities.

3.13 LABORATORY SERVICES

- A. Laboratory utilized for analyzing air samples by NIOSH shall be satisfactory participants in the NIOSH Proficiency Analytical testing (PAT) program asbestos analysis.
- B. Laboratories used for bulk material identification shall be satisfactory participants in the EPA quality assurance program for bulk asbestos analysis.
- C. The period of time permitted between the collection of air samples and the availability of results shall be less than 24 hours for samples collected during abatement activities.

3.14 PERSONNEL MANAGEMENT:

- A. The Contractor shall exercise complete control over all actions of his employees while on the project site or while off site from the start of work to completion of the entire project.
 - 1. The Contractor shall warn his employees that unauthorized removal from the site of any property owned or controlled by the owner shall result in immediate prosecution by the owner or his authorized representative.
 - 2. The Contractor will control employee actions and behavior to ensure that there is no unprofessional interaction with the owner's employees or occupants during the entire project.
 - 3. The Contractor must control all operations and employees to assure that they are limited to the space parameters allowed by the Owner. Employees, equipment, vehicles and supplies are restricted to areas designated by the Owner for the duration of the project.
 - 4. The special attention of the Contractor is drawn to the following statements. These statements are to be considered prior to bidding on this project.
 - 5. The following conditions are accepted and agreed to by the Contractor when he signs a contract to provide the services and materials spelled out in this specification.
 - 6. The Owner or any of his representatives reserve the right to eject from the project site any employee of the Contractor or his subcontractor for adequate reason. The Owners decision will be final with no appeal. In addition, the Owner reserves the right to obtain professional assistance in maintaining law and order in or on the Project site. Such reasons include but are not limited to the following:
 - a. Intoxication.
 - b. Nonprofessional actions.
 - c. Theft.
 - d. Indications of Drug usage.
 - e. Any unlawful action.
 - f. Destruction of Owners or other property.
 - 7. The Contractor MUST advise ALL of his employees and Sub Contractors that SMOKING OR THE USE OF ANY TOBACCO PRODUCT WITHIN THE BUILDING IS PROHIBITED. THE POSSESSION OR USE OF ANY CHEMICAL SUBSTANCE OR ALCOHOLIC BEVERAGE ON THE WORK SITE IS PROHIBITED. Violation of this rule is sufficient cause for IMMEDIATE ejection from the building and the project.
 - 8. If any person employed or directed by the Contractor elects to smoke on the grounds (if permitted) the Contractor WILL provide appropriate vessels for the placement of waste smoking materials. The Contractor will direct his people to use the vessels and not to dispose of waste material by placement directly on the grounds. The Contractor will dispose of all waste material in an appropriate manner and police the entire Project Area (inside and outside) prior to final inspection of the project.

3.15 PIGEON DROPPING REMOVAL

- A. The Contractor shall abate all pigeons and pigeon waster in accordance with the Mississippi Department of Environmental Quality.

END OF SECTION



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- **LEAD-BASED PAINT INSPECTION REPORT**

**The Former City of Hattiesburg Police Department
701 James Street, Hattiesburg, MS 39401**

- **REPORT OF AN ASBESTOS INSPECTION**

**The Former City of Hattiesburg Police Department
701 James Street, Hattiesburg, MS 39401**

- **HPD Asbestos Appendix A – F**

- **HPD Asbestos Appendix G**

Lead-Based Paint Inspection Report

At

**The Former
City of Hattiesburg Police Department
701 James Street**

Located in

**Forrest County
Hattiesburg, MS 39401**

Presented to:

**Larry Albert
Albert & Associates Architects
514 Main Street
Hattiesburg, MS**

Prepared by:



Maxwell S. Bonner, Ph.D.

**BONNER ANALYTICAL TESTING COMPANY
2703 OAK GROVE ROAD
HATTIESBURG, MS 39402**

May, 2017

Prepared By:

Maxwell S. Bonner, Certified LBP Firm & Risk Assessor
Certification # MS Firm PBF-00000019, PBI-00005314, PRA-00005315, License # MS-568-01

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Prepared By:

Maxwell S. Bonner, Certified LBP Firm & Risk Assessor
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Summary Report for Lead Based Paint Inspection

Disclosure Responsibility:

A copy of this summary must be provided to new lessees (tenants) and purchasers of this property under Federal Law (24 CFR part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract. The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards. Following demolish of lead containing materials and/or lead abatement landlords (lessor) and sellers are also required to obtain a lead clearance inspection by a certified lead inspector.

Disclaimer:

This is our report of a visual survey and X-Ray Fluorescence (XRF) analysis of selected readily accessible areas of this building and tested components. The presence or absence of lead-based paint or lead-based paint hazards only applies to surfaces tested or assessed on the date of the field visit and these conditions may change due to deterioration or maintenance. Ongoing monitoring by the owner is usually necessary.

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Please review this report fully; including any REMARKS printed on each page and call us for an explanation of any aspect of this report, written or printed, which you do not fully understand.

Identifying Information:

A lead-based paint (LBP) evaluation was conducted at the former Hattiesburg Police Station located on 701 James Street on May 3rd - 18th 2017 and July 2nd 2017 for Larry Albert of Albert & Associates Architects. The LBP evaluation included a visual and XRF inspection of all the interior and external surfaces including but not limited to, walls, doors, door casings, window casings, window sills, floors, baseboards, molding and ceilings. Composite soil samples were collected around the dripline of each individual building; per EPA requirement, analyzed by a National Lead Laboratory Accreditation Program (NLLAP).

Prepared By:

Maxwell S. Bonner, Certified LBP Firm & Risk Assessor
Certification # MS Firm PBF-00000019, PBI-00005314, PRA-00005315, License # MS-568-01

This initial LBP testing operation were structured around the renovation plans provided by Albert & Associates where the number of units to be tested (the sample size) was based on the total number of units, similar common areas or exterior sites in the buildings and the date of construction. However, the LBP team identified inconsistency between the renovation plans and original architectural plans of the individual buildings during the initial and on-going LBP visual inspection. As a result the testing operations were altered to inventory painted surfaces in interior rooms, on exterior walls, and on surfaces in other exterior areas (e.g., building signs, docking bays, air conditioning structures) utilizing a room-by-room inspection method.

Highlights of LBP Inspection Results

XRF Analysis

1. Elevated lead levels were detected on interior and exterior substrates. See abatement summary for more information.
2. All elevated lead components are identified with green spray paint throughout the respective buildings.

Exterior Soil Analysis

3. Elevated lead level was detected at Building H on the dripline of Side D.

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Lead Concentration</i>
7050238-01	201705052-0001		5/25/2017	160 mg/Kg
Site: Section C - Side A				
7050238-02	201705052-0002		5/25/2017	120 mg/Kg
Site: Section C - Side D				
7050238-03	201705052-0003		5/25/2017	500 mg/Kg
Site: Section H - Side C				
7050238-04	201705052-0004		5/25/2017	3400 mg/Kg
Site: Section H - Side D				

Limits: 400 mg/kg for play area & 1200 mg/kg for general yard.

Prepared By:

Maxwell S. Bonner, Certified LBP Firm & Risk Assessor
 Certification # MS Firm PBF-00000019, PBI-00005314, PRA-00005315, License # MS-568-01

Specific Recommendations

- 1) Work with a **Lead Based Paint (LBP) contractor** to develop a plan to abate surfaces.
- 2) **Have a qualified Lead Based Paint (LBP) contractor abate all surfaces having Lead Based Paint.**
- 3) Reevaluation Painted surfaces should be inspected annually and repainted as needed before deterioration occurs. Before any scraping or sanding, the paint should be determined to be lead-based paint or non-lead-based paint and appropriate measures taken to prevent the generation or spreading of paint chips or dust.
- 4) Please call me for a re-survey of any surfaces which you wish to disturb for renovations, repair or demolition, especially disturbing a painted surface. You may want to hire **a qualified Lead Based Paint (LBP) contractor and/or use Lead Based Paint (LBP) techniques to control dust.**
- 5) When cleaning, use wet mopping with a general purpose cleaner, rather than sweeping. For occasional vacuuming, use a vacuum with a High Efficiency Particulate Air (HEPA) Filter.
- 6) Due to the poor paint condition of Building H it may be recommended to abate all soil driplines (Note dripline of Side C is above playground area)

Prepared By:

Maxwell S. Bonner, Certified LBP Firm & Risk Assessor
Certification # MS Firm PBF-00000019, PBI-00005314, PRA-00005315, License # MS-568-01

Site Specific & Abatement Summary: Potential Lead Hazard by Room

Based on the lead inspection and in accordance with HUD protocols the following items contain Lead and require Abatement, or other approved measures. All areas mentioned above, which were not labeled as “hazardous”, should be considered potential hazards if: condition of structure and substrate worsens, or removal and/or reconstruction of the component.

Important Visual Inspection Note: Building H paint conditions are extremely poor in the east wing that is closed to personal and 3rd floor rooms positioned between Building C and Building D. Walls & ceilings substrate type primarily consist of plaster/concrete.

Important XRF Inspection Notes: XRF analysis were performed on Sides A, B, C & D where Side A faces Arledge St., Side B faces Katie Ave., Side C faces Edwards St., & Side D faces Hall Ave.

Inconclusive Testing Areas

For the following Evidence Rooms: Building C Rooms 304, 308, 323 & 325; Building H Rooms 141 & 156 & Build B Room 148 – the LBP inspector was unable to move items and, in turn, could not complete XRF analysis of all components. Because elevated lead levels were identified in the initial inspection, a more thorough inspection is necessary to determine if all individual components are positive or negative.

Elevated lead levels were identified on metal pipes in Building H (Rooms 118, 328 & 329), Building C Room 132 and beige pipes in the carpet hallway of the 2nd floor in Building B. XRF analysis cannot determine if the exterior paint is LBP or the pipes contain lead.

Following items contain lead **BUT** *are not considered* lead based paint components: 3x3 tile in colors of beige, tan, brown, while & green; white toilets and sinks; Yellow safe in Room 118 of Building C.

Elevated Lead Base Paint Components for Building C

1. Elevator Door & Frame
2. Brown Exit Door leading to Building H
3. Hallway: Green Base board
4. Room 118: Yellow Safe
5. Room 135: Beige Wall on Side B & D
6. Room 225: Beige Wall on Side B
7. Room 205: Beige A/C Unit
8. Room 318: Green Wall A & B
9. Room 318: Window on Side A (small x-ray window & same as Room318B)
10. Room 318B: Window on Side C (small x-ray window)
11. Room 308: Brown Window on Side D (Evidence Room)
12. Room 308: Green Baseboard (Evidence Room)
13. Room 323: Brown Door on Side D (Evidence Room)
14. Room 325: Beige Wall on Side A & C (Evidence Room)

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Elevated Lead Base Paint Components for Building B

1. Room 151: Beige Wall on Side A, B, C & D
2. Room 163F: Brown Window on Side A
3. Room 168: Beige Window on Side A (this is the same x-ray window)
4. Room 171: Pink Wall on Side A, B & D
5. Room 171: White Trim
6. Room 172: Pink Wall on Side A, B & D
7. Room 173: Tan Baseboard
8. 2nd Floor Carpet Hallway: Beige 2in Pipes

Elevated Lead Base Paint Components for Building H

The following rooms are positioned between Building C and Building D

1. Room 137: Beige Wall Side A & D
2. Room 138: Windows on Side A & D
3. Room 138A: Window on Side A
4. Room 139: Beige Wall on Side D
5. Room 139: Green Wall on Side B
6. Room 141: Yellow Wall on Side D (Evidence Room)
7. Room 141: Yellow ceiling (Evidence Room)
8. Room 142: Window on Side D
9. Room 142: Beige Wall on Side B
10. Room 142: Red Trim
11. Room 142: Red Baseboard
12. Room 142: Door on Side B
13. Room 142 Hallway: Beige Wall on Side B
14. Room 142 Hallway: Beige Baseboards
15. Room 156: Yellow Wall on Side C (Evidence Room)
16. 3rd Floor: All exterior window frames, windows ledges and windows
17. Room 328: Green Walls on Side A, B & D
18. Room 328: Green Pipe
19. Room 329: Green Wall on Side B
20. Room 329: Green Pipe
21. Room 332: Green Door on Side C
22. Room 333: Green Door on Side C
23. Room 338: Green Heater
24. Room 339: Green Wall on Side B & C
25. Room 340: Green Door on Side D
26. Room 327: Door and Wall on Side B
27. West Stairwell: All baseboards, stairs, walls & ceiling

Prepared By:

Maxwell S. Bonner, Certified LBP Firm & Risk Assessor

Certification # MS Firm PBF-00000019, PBI-00005314, PRA-00005315, License # MS-568-01

Elevated Lead Base Paint Items for Building H

The following rooms are positioned in the east wing that was closed to personal.

1. Floors 1, 2 & 3: All interior window casing, ledges, windows & ceilings
2. Floors 1 & 3: All hallway door frames
3. East Stairwell: All exterior window casing, ledges & windows
4. East Stairwell: All hand rails, baseboards & grey steps.
5. East Stairwell: Green Door Frame of Side D
6. East Stairwell: Bottom door & under stairwell ceiling
7. Room 108: Beige Wall of Side D
8. Room 109 & 109A: Beige Wall on Side D
9. Room 109A: Beige Wall on Side A & D
10. Room 110: Beige Wall of Side D
11. Room 110A: Beige Wall of Side B
12. Room 111: Beige Wall of Side B
13. Room 112: Beige Wall of Side C & D
14. Room 113: Beige Wall of Side A
15. Room 113A: Beige Wall of Side B
16. Room 114: Beige Wall of Side A
17. Room 116: Beige Painted Brick/Tile of Side A & C
18. Room 117: Beige Wall of Side B
19. Floor 1 Hallway: Beige Wall of Side B & D
20. Floor 1 Hallway: Brown Baseboard
21. Room 118: Ceiling Pipes painted Green
22. Room 118: Brown Middle Door
23. Room 120: White Wall of Side A
24. Area between Build B & H with large exit door: Beige Wall of Side C
25. Area between Build B & H with large exit door: Green Ceiling
26. Room 215: Beige Wall on Side C
27. Room 223: Beige Wall on Side B
28. Room 225: Beige Wall on Side D
29. Room 225: White Ceiling
30. Room 226: Beige Wall on Side D
31. Room 223: Brown Wall and Door Frame separating shower and toilet
32. Room 228: Brown Baseboards
33. 2nd Floor Hallway: Fire Cabinet
34. 3rd Floor Roof Access: Brown Door Frame
35. 3rd Floor Roof Access: Black Ladder
36. Room 344: Beige Wall on Side C
37. Room 345: Beige Wall on Side A & D
38. Room 347: Brown Wall and Door Frame separating shower and toilet
39. Room 350: Beige Wall on Side A
40. Room 352A/B: Brown Door Frame
41. Room 352A/B: Beige Wall on Side A
42. Room 353: Beige Wall on Side D
43. Room 356: Beige Wall on Side C
44. Room 356A: Beige Wall on Side B

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- 45. Room 359C: White Ceiling
- 46. 3RD Floor Hallway: Beige Wall on Side B, C & D

Outside:

- 1. All exhaust covers of roof tops
- 2. Door & Frame of small building located on roof top of Building H
- 3. Building C: Green Door, yellow & green bay walls, yellow sidewalk on Side A
- 4. Building C: Yellow paint on Side C
- 5. Building C: Green Windows Side C & Side D
- 6. Building B: Yellow parking curbs stops, & yellow A/C poles on Side A
- 7. Building H: All Windows
- 8. Yellow steel beams that hold AC handler, located on top of the boiler room

Prepared By:

Maxwell S. Bonner, Certified LBP Firm & Risk Assessor
Certification # MS Firm PBF-00000019, PBI-00005314, PRA-00005315, License # MS-568-01

Map & Diagram of Lead Inspection Site



1st Floor
"C" Building

Building C - 1st Floor

Side C

Side B

Side A

Side D

Admin office

Conference room

Chief's office

Asst. Chief

107A

MAT. S.M.S.

108A

STORAGE

WOMEN'S

LEADING DOCK

103

131

132D

132B

132B

117A

133A

132A

133A

STORAGE

OLD STAIRS HERE

2nd Floor
Building C

Building C - 2nd Floor

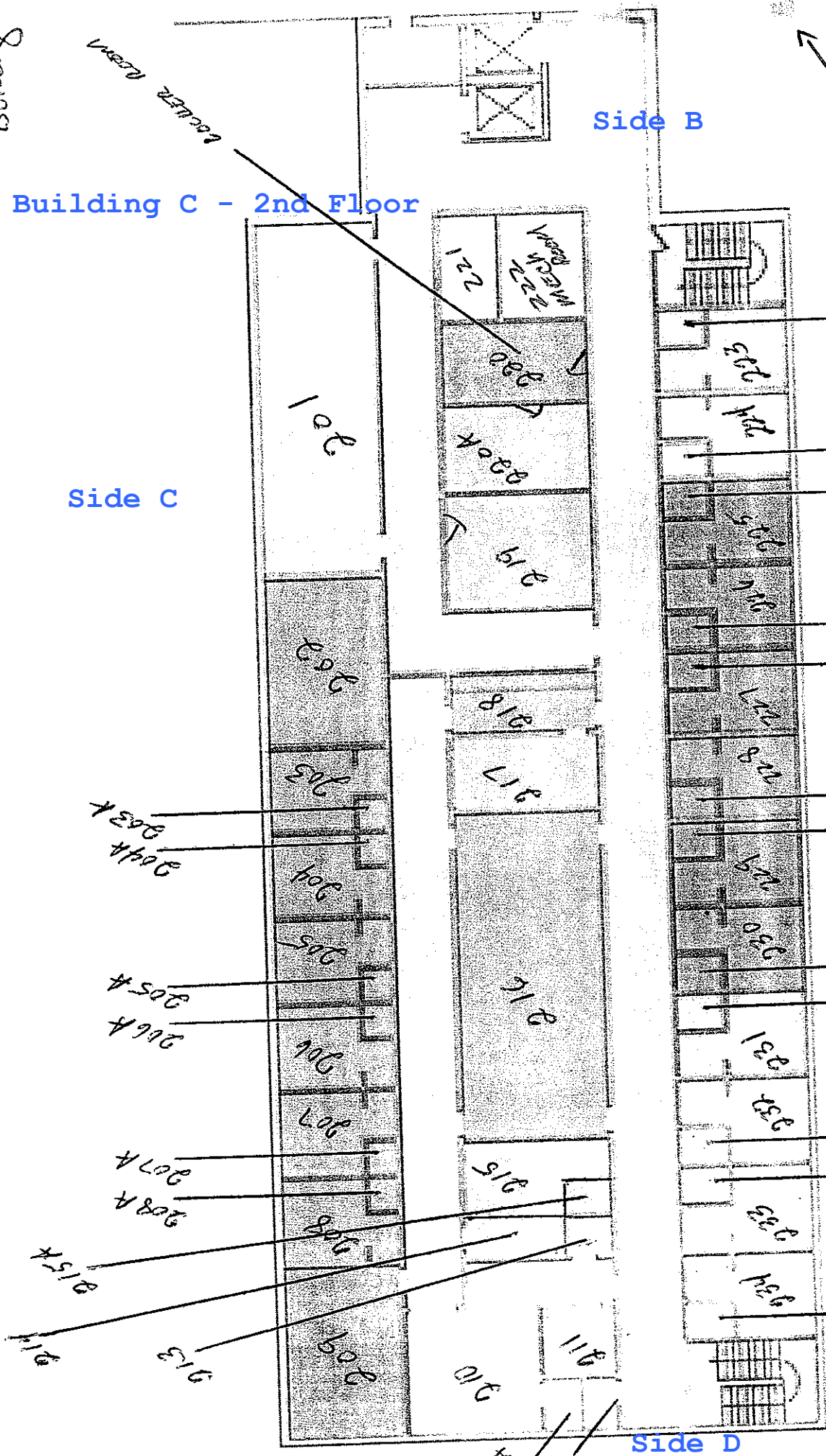
Side C

Side B

Side A

Side D

Handwritten notes in top right corner, possibly indicating a date or time.



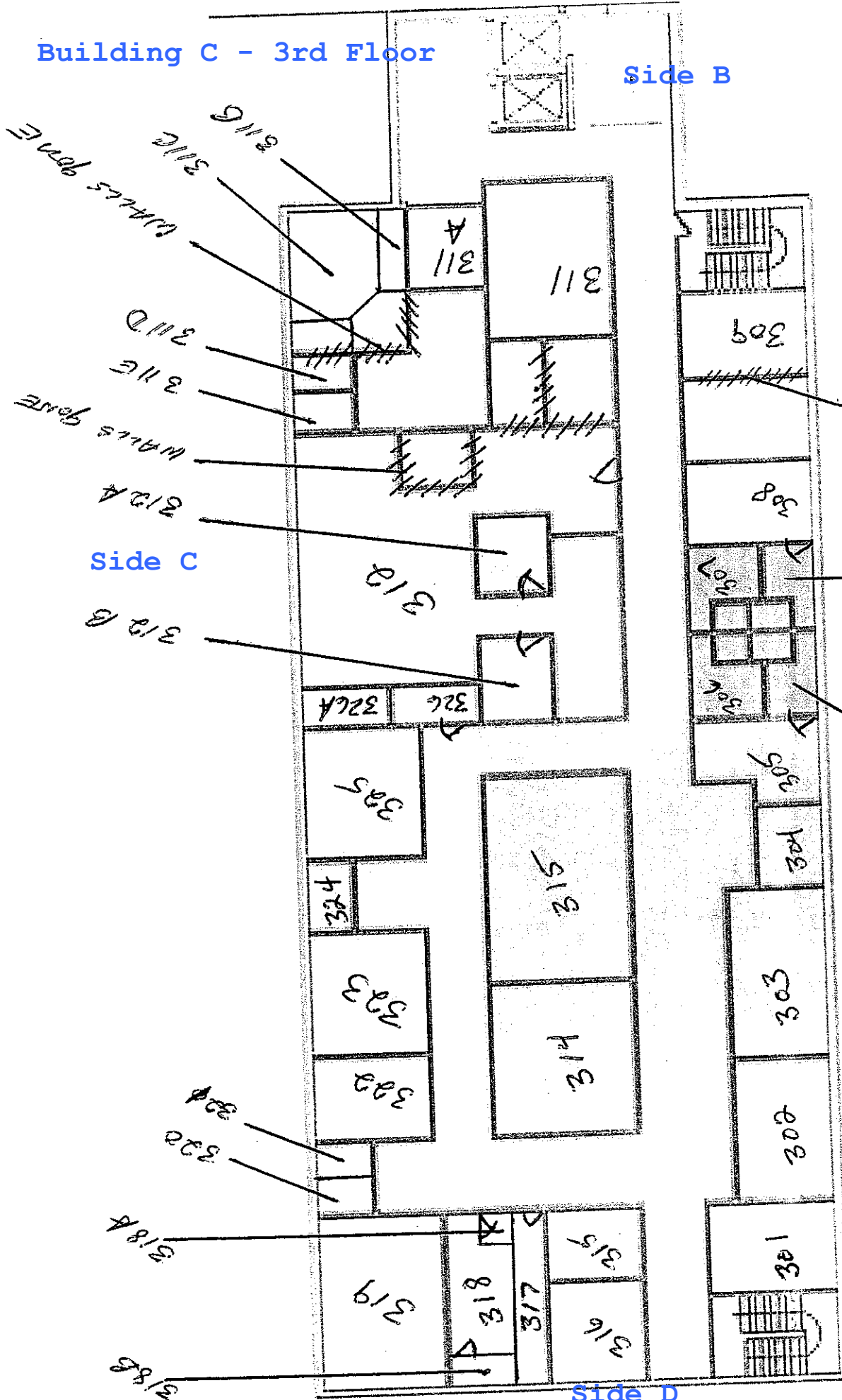
3200

Side D

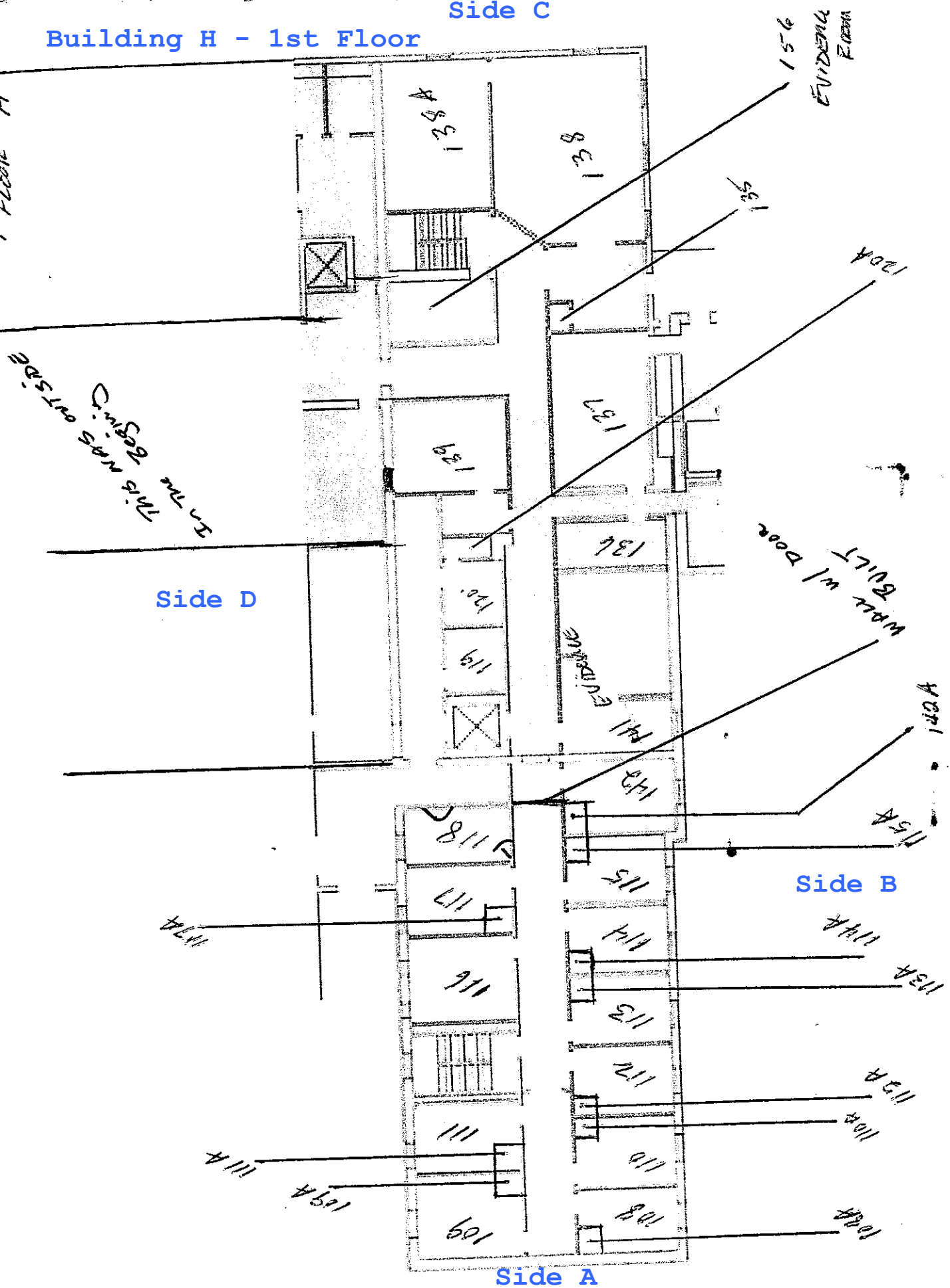
Side A

Side C

*This was
is gone*



Side C
Building H - 1st Floor

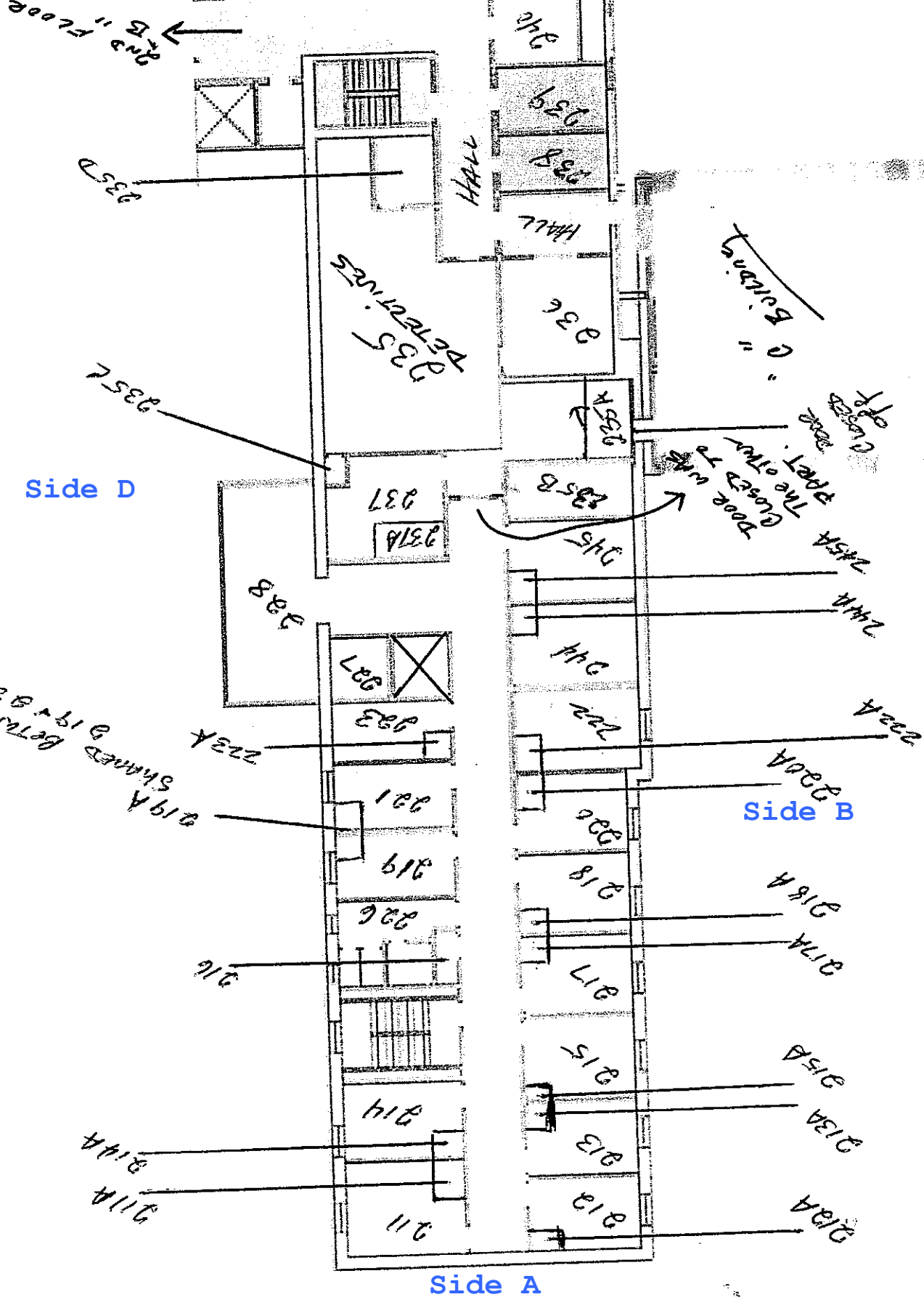


117C

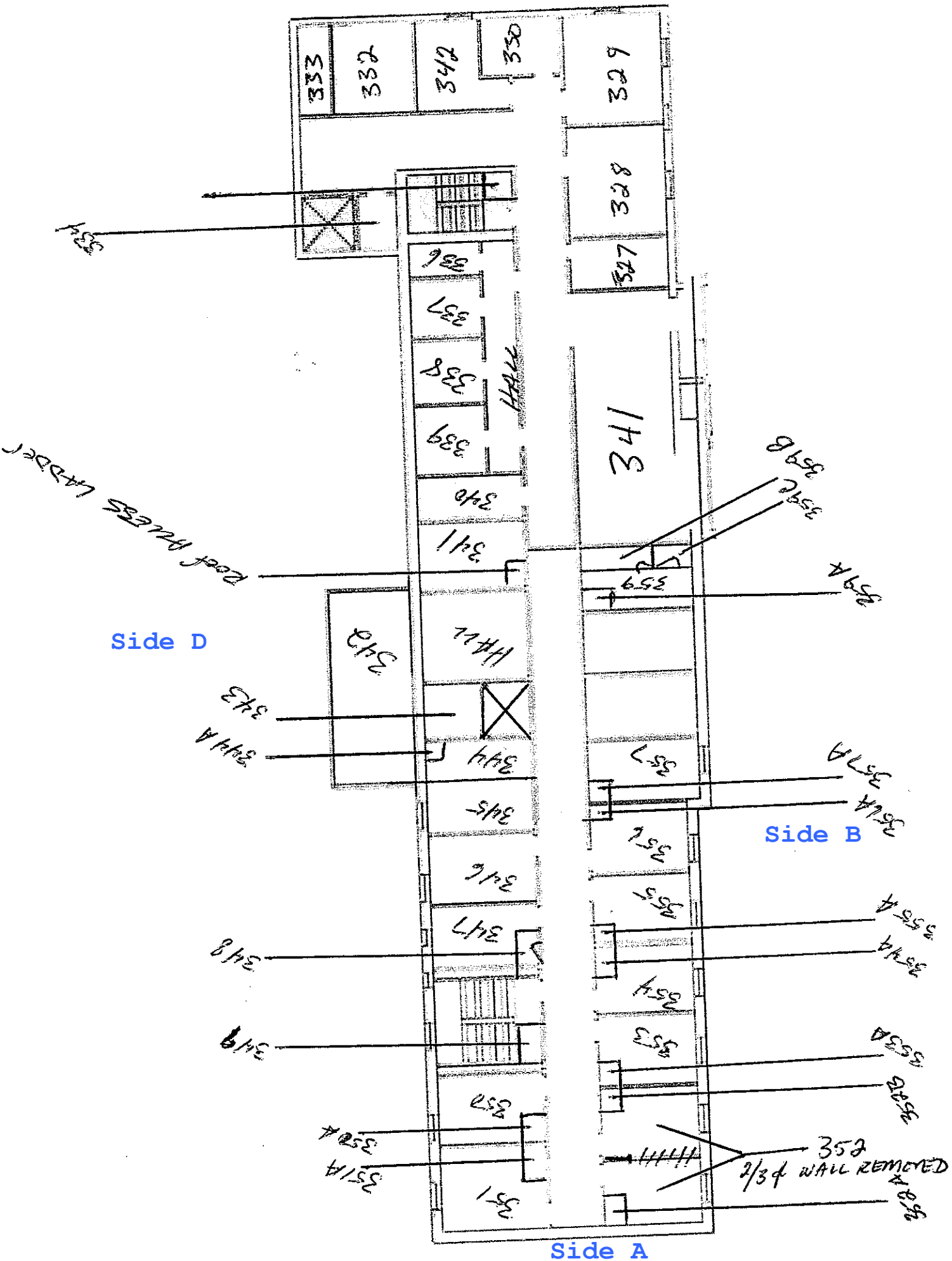
211C

211A

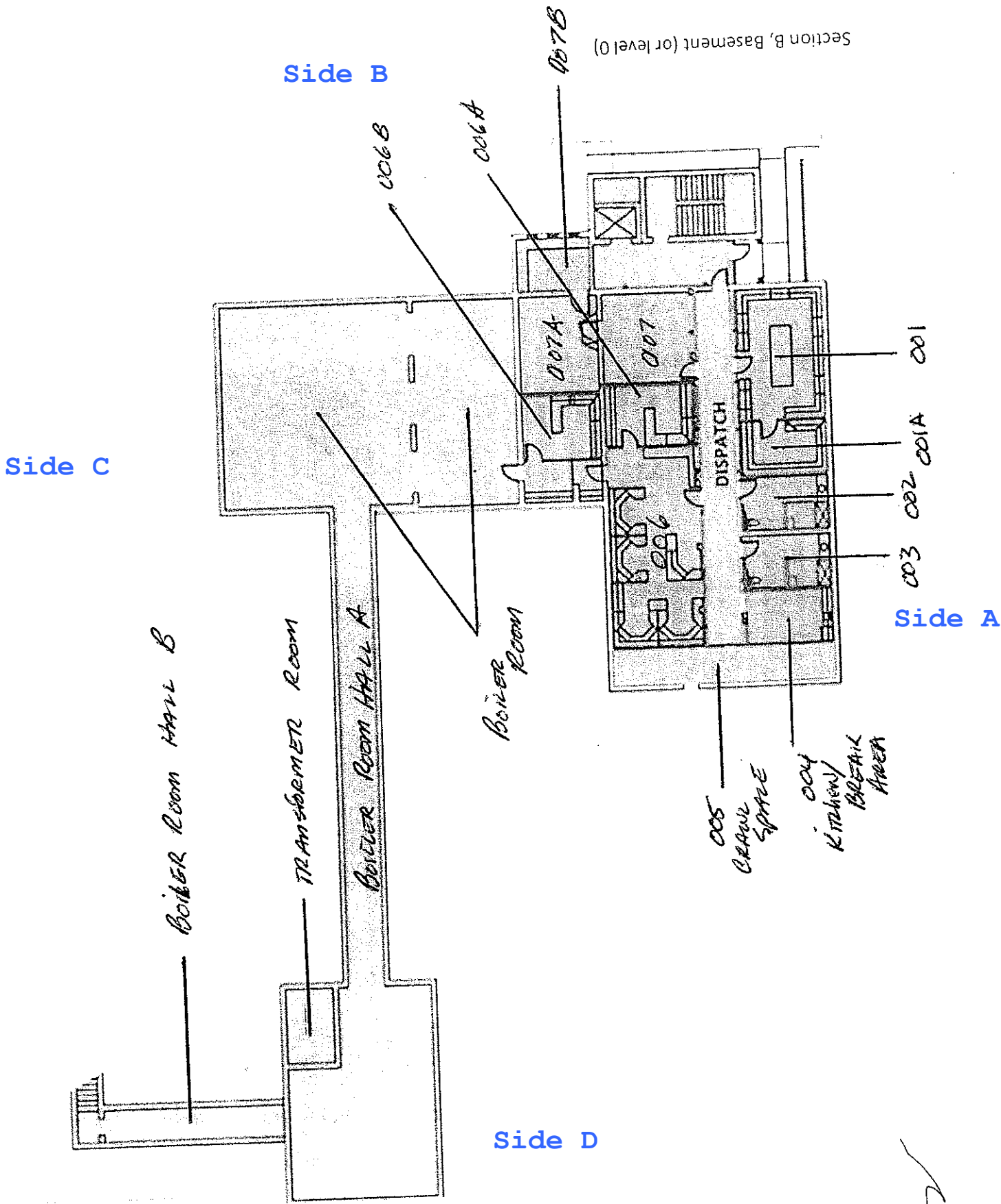
BATCH 117C



Building H - 3rd Floor Side C

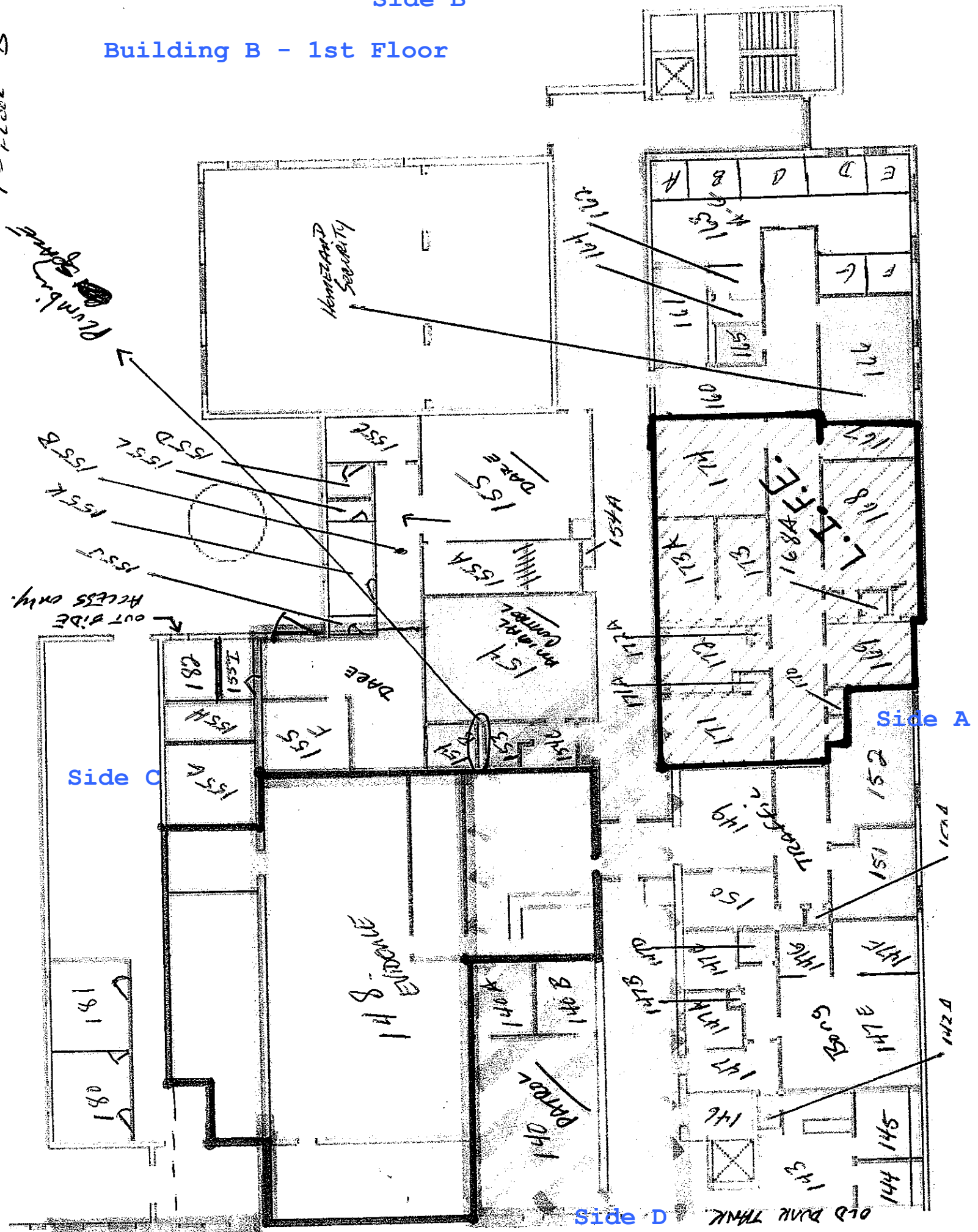


Building B - Basement



Side B

Building B - 1st Floor



Side B

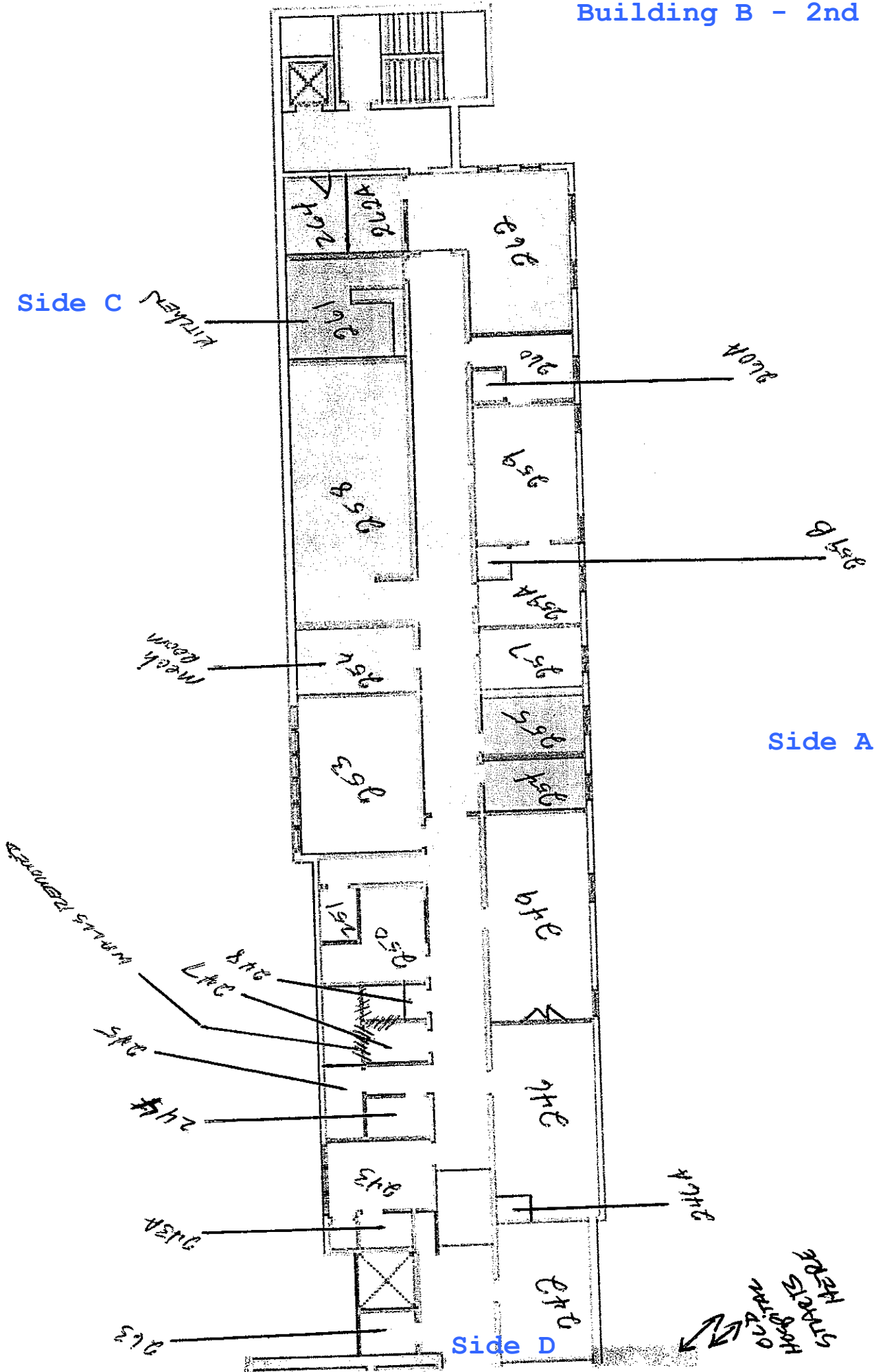
Building B - 2nd Floor

Side C

Side A

Side D

B
2nd



Hattiesburg Police Department

XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
595	5/5/2017 09:43	SHUTTER CAL	152.67									2.38	0	cps
596	5/5/2017 09:49	PAINT	7.4	Calibration							Positive	1.1	0.1	mg / cm ^2
597	5/5/2017 09:49	PAINT	1.2	Calibration							Positive	1.6	0.6	mg / cm ^2
598	5/5/2017 09:50	PAINT	7.39	Calibration							Positive	1.1	0.1	mg / cm ^2
599	5/5/2017 09:51	PAINT	15.23	Calibration							Positive	1.1	0.1	mg / cm ^2
600	5/5/2017 09:51	PAINT	1.9	Calibration							Positive	1.1	0.3	mg / cm ^2
651	5/5/2017 10:50	PAINT	4.98	WALL	C	INTACT	WHITE	FIRST	148c	Evidence Room	Negative	< LOD	0.08	mg / cm ^2
652	5/5/2017 10:51	PAINT	3.27	WALL	A	INTACT	WHITE	FIRST	148c	Evidence Room	Negative	< LOD	0.27	mg / cm ^2
653	5/5/2017 10:51	PAINT	1.03	CABINET	D	INTACT	WHITE	FIRST	148c	Evidence Room	Negative	< LOD	0.04	mg / cm ^2
654	5/5/2017 10:51	PAINT	1.03	CABINET	D	INTACT	WHITE	FIRST	148c	Evidence Room	Negative	< LOD	0.04	mg / cm ^2
655	5/5/2017 10:52	PAINT	1.03	DOOR	D	INTACT	BLUE	FIRST	148f	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
656	5/5/2017 10:53	PAINT	1.89	DOOR	D	INTACT	BLUE	FIRST	148f	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
657	5/5/2017 10:53	PAINT	1.03	WALL	D	INTACT	BLUE	FIRST	148f	Evidence Room	Negative	< LOD	0.04	mg / cm ^2
658	5/5/2017 10:54	PAINT	2.91	CEILING	D	INTACT	WHITE	FIRST	148f	Evidence Room	Null	< LOD	0.03	mg / cm ^2
659	5/5/2017 10:55	PAINT	1.02	WALL	C	INTACT	WHITE	FIRST	148f	Evidence Room	Negative	< LOD	0.05	mg / cm ^2
660	5/5/2017 10:56	PAINT	1.04	CABINET	C	INTACT	BEIGE	FIRST	148f	Evidence Room	Negative	< LOD	0.05	mg / cm ^2
661	5/5/2017 10:57	PAINT	1.03	WALL	C	INTACT	WHITE	FIRST	148f	Evidence Room	Negative	< LOD	0.06	mg / cm ^2
662	5/5/2017 10:58	PAINT	1.03	WALL	C	INTACT	WHITE	FIRST	148f	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
663	5/5/2017 10:58	PAINT	1.03	WALL	B	INTACT	WHITE	FIRST	148f	Evidence Room	Negative	< LOD	0.04	mg / cm ^2
664	5/5/2017 10:59	PAINT	1.02	WALL	B	INTACT	WHITE	FIRST	148f	Evidence Room	Negative	< LOD	0.04	mg / cm ^2
665	5/5/2017 10:59	PAINT	1.03	WALL	B	INTACT	WHITE	FIRST	148f	Evidence Room	Negative	< LOD	0.04	mg / cm ^2
666	5/5/2017 11:00	PAINT	1.04	CABINET	B	INTACT	WHITE	FIRST	148f	Evidence Room	Negative	< LOD	0.04	mg / cm ^2
667	5/5/2017 11:00	PAINT	1.03	WALL	B	INTACT	YELLOW	FIRST	148f	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
668	5/5/2017 11:00	PAINT	1.03	WALL	B	INTACT	YELLOW	FIRST	148f	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
669	5/5/2017 11:01	PAINT	3.78	FLOOR	B	INTACT	YELLOW	FIRST	148f	Evidence Room	Negative	< LOD	0.04	mg / cm ^2
670	5/5/2017 11:02	PAINT	2.74	WALL	B	INTACT	YELLOW	FIRST	148f	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
671	5/5/2017 11:02	PAINT	3.25	WALL	B	INTACT	YELLOW	FIRST	148f	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
672	5/5/2017 11:02	PAINT	1.38	WALL	A	INTACT	YELLOW	FIRST	148f	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
673	5/5/2017 11:03	PAINT	3.26	WALL	D	INTACT	YELLOW	FIRST	148f	Evidence Room	Negative	< LOD	0.11	mg / cm ^2
674	5/5/2017 11:03	PAINT	3.26	FLOOR	D	INTACT	GREEN	FIRST	148f	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
706	5/5/2017 11:39	PAINT	19.3	Calibration	D	INTACT	GREEN	THIRD	341		Positive	1	0.1	mg / cm ^2
707	5/5/2017 11:39	PAINT	7.56	Calibration	D	INTACT	GREEN	THIRD	341		Positive	1.1	0.1	mg / cm ^2
708	5/5/2017 11:40	PAINT	10.33	Calibration	D	INTACT	GREEN	THIRD	341		Positive	1	0.1	mg / cm ^2
709	5/5/2017 12:49	SHUTTER CAL	152.82									2.18	0	cps
710	5/5/2017 12:53	PAINT	17.68	Calibration							Positive	1	0.1	mg / cm ^2
711	5/5/2017 12:53	PAINT	1.89	Calibration							Positive	1	0.3	mg / cm ^2
712	5/5/2017 12:54	PAINT	6.02	Calibration							Negative	0.9	0.1	mg / cm ^2
816	5/5/2017 14:03	PAINT	2.75	WALL	C	INTACT	YELLOW	FIRST	144	Section B	Negative	< LOD	0.03	mg / cm ^2
817	5/5/2017 14:03	PAINT	3.1	WALL	D	INTACT	YELLOW	FIRST	144	Section B	Negative	< LOD	0.03	mg / cm ^2
818	5/5/2017 14:04	PAINT	3.26	WALL	A	INTACT	YELLOW	FIRST	144	Section B	Negative	< LOD	0.03	mg / cm ^2
819	5/5/2017 14:04	PAINT	2.75	WALL	B	INTACT	YELLOW	FIRST	144	Section B	Negative	< LOD	0.03	mg / cm ^2
820	5/5/2017 14:05	PAINT	1.03	CABINET	A	INTACT	YELLOW	FIRST	144	Section B	Negative	< LOD	0.03	mg / cm ^2
821	5/5/2017 14:06	PAINT	3.26	WALL	A	INTACT	YELLOW	FIRST	145	Section B	Negative	0.4	0.1	mg / cm ^2
822	5/5/2017 14:06	PAINT	2.74	WALL	B	INTACT	YELLOW	FIRST	145	Section B	Null	0.5	0.3	mg / cm ^2
823	5/5/2017 14:07	PAINT	3.77	WALL	C	INTACT	YELLOW	FIRST	145	Section B	Negative	0.4	0.1	mg / cm ^2
824	5/5/2017 14:07	PAINT	3.27	WALL	D	INTACT	YELLOW	FIRST	145	Section B	Negative	0.5	0.1	mg / cm ^2
825	5/5/2017 14:08	PAINT	3.42	CABINET	A	INTACT	GREEN	FIRST	145	Section B	Negative	0.05	0.03	mg / cm ^2
826	5/5/2017 14:08	PAINT	3.77	CABINET	A	INTACT	BLUE	FIRST	145	Section B	Negative	< LOD	1.31	mg / cm ^2
827	5/5/2017 14:09	PAINT	3.1	WALL	A	INTACT	BLUE	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2
828	5/5/2017 14:10	PAINT	1.72	WALL	B	INTACT	BLUE	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2
829	5/5/2017 14:10	PAINT	1.03	WALL	C	INTACT	BLUE	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2
830	5/5/2017 14:11	PAINT	1.89	WALL	D	INTACT	BLUE	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2
831	5/5/2017 14:11	PAINT	1.54	WALL	D	INTACT	black	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2
832	5/5/2017 14:12	PAINT	1.03	WALL	C	INTACT	black	FIRST	140	Section B	Negative	< LOD	0.04	mg / cm ^2
833	5/5/2017 14:12	PAINT	1.21	WALL	B	INTACT	black	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2
834	5/5/2017 14:12	PAINT	1.54	WALL	A	INTACT	black	FIRST	140	Section B	Null	< LOD	0.04	mg / cm ^2
835	5/5/2017 14:13	PAINT	3.27	WALL	A	INTACT	BEIGE	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2
836	5/5/2017 14:13	PAINT	1.54	WALL	B	INTACT	BEIGE	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2
837	5/5/2017 14:13	PAINT	1.03	WALL	C	INTACT	BEIGE	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2
838	5/5/2017 14:14	PAINT	1.03	WALL	D	INTACT	BEIGE	FIRST	140	Section B	Null	< LOD	0.03	mg / cm ^2
839	5/5/2017 14:14	PAINT	1.02	BASEBOARD	D	INTACT	BLUE	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2

Hattiesburg Police Department

XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
840	5/5/2017 14:15	PAINT	1.03	DOOR	B	INTACT	BLUE	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2
841	5/5/2017 14:16	PAINT	1.2	DOOR	B	INTACT	black	FIRST	140	Section B	Negative	< LOD	0.03	mg / cm ^2
842	5/5/2017 14:16	PAINT	1.03	DOOR	B	INTACT	black	FIRST	140	Section B	Negative	< LOD	0.04	mg / cm ^2
843	5/5/2017 14:16	PAINT	1.04	DOOR	B	INTACT	black	FIRST	140	Section B	Negative	< LOD	0.04	mg / cm ^2
844	5/5/2017 14:17	PAINT	0.17	WALL	B	INTACT	BEIGE	FIRST	140	Section B	Null	< LOD	0.03	mg / cm ^2
845	5/5/2017 14:19	PAINT	1.04	WALL	B	INTACT	GREEN	FIRST	146	Section B	Null	< LOD	0.03	mg / cm ^2
846	5/5/2017 14:19	PAINT	3.1	WALL	C	INTACT	GREEN	FIRST	146	Section B	Negative	< LOD	0.03	mg / cm ^2
847	5/5/2017 14:20	PAINT	2.76	WALL	D	INTACT	GREEN	FIRST	146	Section B	Negative	< LOD	0.03	mg / cm ^2
848	5/5/2017 14:23	PAINT	3.25	WALL	D	INTACT	BEIGE	FIRST	147	Section B	Negative	< LOD	0.03	mg / cm ^2
849	5/5/2017 14:24	PAINT	3.25	WALL	C	INTACT	BEIGE	FIRST	147	Section B	Negative	< LOD	0.03	mg / cm ^2
850	5/5/2017 14:24	PAINT	1.03	WALL	B	INTACT	BEIGE	FIRST	147	Section B	Negative	< LOD	0.03	mg / cm ^2
851	5/5/2017 14:24	PAINT	1.03	WALL	A	INTACT	BEIGE	FIRST	147	Section B	Negative	< LOD	0.03	mg / cm ^2
852	5/5/2017 14:25	PAINT	3.07	WALL	C	INTACT	RED	FIRST	147	Section B	Negative	< LOD	0.03	mg / cm ^2
853	5/5/2017 14:26	PAINT	1.38	WALL	C	INTACT	TAN	FIRST	147	Section B	Null	< LOD	0.03	mg / cm ^2
854	5/5/2017 14:26	PAINT	0.69	DOOR	C	INTACT	TAN	FIRST	147	Section B	Null	< LOD	0.29	mg / cm ^2
855	5/5/2017 14:26	PAINT	1.03	DOOR	C	INTACT	TAN	FIRST	147	Section B	Negative	< LOD	0.48	mg / cm ^2
856	5/5/2017 14:27	PAINT	1.03	DOOR	A	INTACT	WHITE	FIRST	147	Section B	Negative	< LOD	0.03	mg / cm ^2
857	5/5/2017 14:27	PAINT	1.03	CABINET	A	INTACT	TAN	FIRST	147	Section B	Negative	< LOD	0.04	mg / cm ^2
858	5/5/2017 14:28	PAINT	1.38	WALL	A	INTACT	BEIGE	FIRST	147a	Section B	Negative	< LOD	0.03	mg / cm ^2
859	5/5/2017 14:28	PAINT	2.93	WALL	B	INTACT	BEIGE	FIRST	147a	Section B	Negative	< LOD	0.03	mg / cm ^2
860	5/5/2017 14:28	PAINT	3.1	WALL	C	INTACT	BEIGE	FIRST	147a	Section B	Negative	< LOD	0.03	mg / cm ^2
861	5/5/2017 14:29	PAINT	1.03	WALL	D	INTACT	BEIGE	FIRST	147a	Section B	Negative	< LOD	0.03	mg / cm ^2
862	5/5/2017 14:29	PAINT	1.03	TRIM	D	INTACT	BEIGE	FIRST	147a	Section B	Negative	< LOD	0.03	mg / cm ^2
863	5/5/2017 14:30	PAINT	1.03	WINDOW	C	INTACT	BEIGE	FIRST	147a	Section B	Negative	< LOD	0.03	mg / cm ^2
864	5/5/2017 14:30	PAINT	2.41	WINDOW	C	INTACT	BEIGE	FIRST	147a	Section B	Negative	< LOD	0.03	mg / cm ^2
865	5/5/2017 14:30	PAINT	1.54	WINDOW	C	INTACT	BEIGE	FIRST	147a	Section B	Negative	< LOD	0.6	mg / cm ^2
866	5/5/2017 14:30	PAINT	1.03	WINDOW	C	INTACT	WHITE	FIRST	147a	Section B	Negative	< LOD	0.05	mg / cm ^2
867	5/5/2017 14:32	PAINT	3.1	CLOSET	C	INTACT	GREEN	FIRST	147b	Section B	Negative	< LOD	0.03	mg / cm ^2
868	5/5/2017 14:32	PAINT	1.88	CLOSET	C	INTACT	GREEN	FIRST	147b	Section B	Negative	< LOD	0.03	mg / cm ^2
869	5/5/2017 14:33	PAINT	1.03	CABINET	C	INTACT	GREEN	FIRST	147c	Section B	Negative	< LOD	0.06	mg / cm ^2
870	5/5/2017 14:34	PAINT	1.03	CABINET	C	INTACT	GREEN	FIRST	147c	Section B	Negative	< LOD	0.37	mg / cm ^2
871	5/5/2017 14:35	PAINT	3.08	WALL	A	INTACT	GREEN	FIRST	147c	Section B	Negative	< LOD	0.03	mg / cm ^2
872	5/5/2017 14:36	PAINT	1.71	WALL	A	INTACT	BEIGE	FIRST	147d	Section B	Negative	< LOD	0.03	mg / cm ^2
873	5/5/2017 14:37	PAINT	1.37	WALL	A	INTACT	BEIGE	FIRST	147d	Section B	Null	< LOD	0.03	mg / cm ^2
874	5/5/2017 14:37	PAINT	2.57	WALL	A	INTACT	BEIGE	FIRST	147d	Section B	Negative	< LOD	0.03	mg / cm ^2
875	5/5/2017 14:37	PAINT	2.22	WALL	A	INTACT	BEIGE	FIRST	147d	Section B	Negative	< LOD	0.03	mg / cm ^2
876	5/5/2017 14:38	PAINT	2.94	WALL	A	INTACT	BEIGE	FIRST	147e	Section B	Negative	< LOD	0.03	mg / cm ^2
877	5/5/2017 14:38	PAINT	0.51	WALL	A	INTACT	BEIGE	FIRST	147e	Section B	Null	< LOD	0.05	mg / cm ^2
878	5/5/2017 14:38	PAINT	1.37	WALL	A	INTACT	BEIGE	FIRST	147e	Section B	Negative	< LOD	0.03	mg / cm ^2
879	5/5/2017 14:39	PAINT	2.74	WALL	A	INTACT	BEIGE	FIRST	147e	Section B	Negative	< LOD	0.03	mg / cm ^2
880	5/5/2017 14:39	PAINT	3.26	CABINET	A	INTACT	GREEN	FIRST	147e	Section B	Negative	< LOD	0.03	mg / cm ^2
881	5/5/2017 14:40	PAINT	1.03	CABINET	A	INTACT	BROWN	FIRST	147e	Section B	Negative	< LOD	0.03	mg / cm ^2
882	5/5/2017 14:40	PAINT	1.02	DOOR	B	INTACT	WHITE	FIRST	147e	Section B	Negative	< LOD	0.03	mg / cm ^2
883	5/5/2017 14:40	PAINT	1.03	DOOR	B	INTACT	WHITE	FIRST	147e	Section B	Negative	< LOD	0.03	mg / cm ^2
884	5/5/2017 14:41	PAINT	2.56	WALL	B	INTACT	YELLOW	FIRST	147f	Section B	Negative	< LOD	0.03	mg / cm ^2
885	5/5/2017 14:41	PAINT	1.37	WALL	B	INTACT	YELLOW	FIRST	147f	Section B	Negative	< LOD	0.03	mg / cm ^2
886	5/5/2017 14:41	PAINT	2.9	WALL	B	INTACT	YELLOW	FIRST	147f	Section B	Negative	< LOD	0.03	mg / cm ^2
887	5/5/2017 14:41	PAINT	2.57	WALL	B	INTACT	YELLOW	FIRST	147f	Section B	Negative	< LOD	0.03	mg / cm ^2
888	5/5/2017 14:42	PAINT	1.03	CABINET	B	INTACT	BROWN	FIRST	147f	Section B	Negative	< LOD	0.09	mg / cm ^2
889	5/5/2017 14:42	PAINT	2.22	WALL	B	INTACT	YELLOW	FIRST	147g	Section B	Negative	< LOD	0.03	mg / cm ^2
890	5/5/2017 14:43	PAINT	1.71	WALL	B	INTACT	YELLOW	FIRST	147g	Section B	Null	< LOD	0.03	mg / cm ^2
891	5/5/2017 14:43	PAINT	3.43	WALL	B	INTACT	YELLOW	FIRST	147g	Section B	Negative	< LOD	0.03	mg / cm ^2
892	5/5/2017 14:43	PAINT	0.51	WALL	B	INTACT	YELLOW	FIRST	147g	Section B	Null	< LOD	0.06	mg / cm ^2
893	5/5/2017 14:45	PAINT	7.06	Calibration	B	INTACT	YELLOW	FIRST	147g	Section B	Positive	1	0.1	mg / cm ^2
894	5/5/2017 14:46	PAINT	3.25	Calibration	B	INTACT	YELLOW	FIRST	147g	Section B	Positive	1.2	0.2	mg / cm ^2
895	5/5/2017 14:46	PAINT	10.48	Calibration	B	INTACT	YELLOW	FIRST	147g	Section B	Positive	1	0.1	mg / cm ^2
896	5/5/2017 14:47	PAINT	8.93	Calibration	B	INTACT	YELLOW	FIRST	147g	Section B	Positive	1	0.1	mg / cm ^2
897	5/5/2017 14:55	PAINT	1.03	WALL	B	INTACT	YELLOW	SECOND	201	Section B	Negative	< LOD	0.03	mg / cm ^2
898	5/5/2017 14:55	PAINT	2.9	WALL	A	INTACT	YELLOW	SECOND	201	Section B	Negative	< LOD	0.03	mg / cm ^2
899	5/5/2017 14:56	PAINT	2.06	WALL	D	INTACT	YELLOW	SECOND	201	Section B	Negative	< LOD	0.13	mg / cm ^2
900	5/5/2017 14:56	PAINT	1.04	WALL	A	INTACT	YELLOW	SECOND	201	Section B	Negative	< LOD	0.04	mg / cm ^2

Hattiesburg Police Department

XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
901	5/5/2017 14:57	PAINT	1.03	CABINET	A	INTACT	BEIGE	SECOND	201	Section B	Negative	< LOD	0.03	mg / cm ^2
902	5/5/2017 14:57	PAINT	1.03	CABINET	A	INTACT	BEIGE	SECOND	201	Section B	Negative	< LOD	0.04	mg / cm ^2
903	5/5/2017 14:58	PAINT	1.03	CABINET	A	INTACT	GREEN	SECOND	201	Section B	Negative	< LOD	0.05	mg / cm ^2
904	5/5/2017 14:58	PAINT	1.03	DOOR	A	INTACT	BROWN	SECOND	201	Section B	Negative	< LOD	0.09	mg / cm ^2
905	5/5/2017 15:12	PAINT	1.03	DOOR	A	INTACT	BROWN	FIRST	149	Section B	Negative	< LOD	0.37	mg / cm ^2
906	5/5/2017 15:12	PAINT	1.03	DOOR	A	INTACT	BROWN	FIRST	149	Section B	Negative	< LOD	0.37	mg / cm ^2
907	5/5/2017 15:13	PAINT	1.03	DOOR	A	INTACT	BROWN	FIRST	149	Section B	Negative	< LOD	0.29	mg / cm ^2
908	5/5/2017 15:13	PAINT	1.9	WALL	A	INTACT	PINK	FIRST	149	Section B	Negative	< LOD	0.03	mg / cm ^2
909	5/5/2017 15:14	PAINT	2.24	WALL	B	INTACT	PINK	FIRST	149	Section B	Negative	< LOD	0.03	mg / cm ^2
910	5/5/2017 15:14	PAINT	4.12	WALL	C	INTACT	PINK	FIRST	149	Section B	Negative	< LOD	0.03	mg / cm ^2
911	5/5/2017 15:14	PAINT	2.43	WALL	D	INTACT	PINK	FIRST	149	Section B	Negative	< LOD	0.03	mg / cm ^2
912	5/5/2017 15:16	PAINT	3.26	WALL	A	INTACT	BEIGE	FIRST	150	Section B	Negative	< LOD	0.03	mg / cm ^2
913	5/5/2017 15:16	PAINT	2.75	WALL	B	INTACT	BEIGE	FIRST	150	Section B	Negative	< LOD	0.03	mg / cm ^2
914	5/5/2017 15:16	PAINT	1.71	WALL	C	INTACT	BEIGE	FIRST	150	Section B	Null	< LOD	0.03	mg / cm ^2
915	5/5/2017 15:16	PAINT	0.68	WALL	D	INTACT	BEIGE	FIRST	150	Section B	Null	< LOD	0.04	mg / cm ^2
916	5/5/2017 15:17	PAINT	2.91	WALL	C	INTACT	BLUE	FIRST	150	Section B	Negative	< LOD	0.03	mg / cm ^2
917	5/5/2017 15:17	PAINT	3.26	BASEBOARD	D	INTACT	BEIGE	FIRST	150	Section B	Negative	< LOD	0.03	mg / cm ^2
918	5/5/2017 15:19	PAINT	0.51	WALL	A	INTACT	BEIGE	FIRST	151	Section B	Positive	< LOD	27.15	mg / cm ^2
919	5/5/2017 15:19	PAINT	0.51	WALL	B	INTACT	BEIGE	FIRST	151	Section B	Positive	< LOD	28.65	mg / cm ^2
920	5/5/2017 15:19	PAINT	0.51	WALL	C	INTACT	BEIGE	FIRST	151	Section B	Positive	< LOD	27.45	mg / cm ^2
921	5/5/2017 15:20	PAINT	0.51	WALL	D	INTACT	BEIGE	FIRST	151	Section B	Positive	< LOD	29.55	mg / cm ^2
922	5/5/2017 15:20	PAINT	2.07	WALL	B	INTACT	BEIGE	FIRST	151	Section B	Negative	< LOD	0.03	mg / cm ^2
923	5/5/2017 15:21	PAINT	3.44	WALL	A	INTACT	BEIGE	FIRST	151	Section B	Negative	< LOD	0.03	mg / cm ^2
924	5/5/2017 15:21	PAINT	1.71	WINDOW	A	INTACT	BEIGE	FIRST	151	Section B	Negative	< LOD	0.03	mg / cm ^2
925	5/5/2017 15:22	PAINT	2.74	WINDOW	A	INTACT	BEIGE	FIRST	151	Section B	Negative	< LOD	0.04	mg / cm ^2
926	5/5/2017 15:23	PAINT	3.11	WALL	A	INTACT	BEIGE	FIRST	150a	Section B	Negative	< LOD	0.03	mg / cm ^2
927	5/5/2017 15:23	PAINT	1.71	WALL	B	INTACT	BEIGE	FIRST	150a	Section B	Null	< LOD	0.03	mg / cm ^2
928	5/5/2017 15:25	PAINT	1.21	WALL	A	INTACT	BEIGE	FIRST	152	Section B	Null	< LOD	0.04	mg / cm ^2
929	5/5/2017 15:25	PAINT	1.55	WALL	B	INTACT	BEIGE	FIRST	152	Section B	Negative	< LOD	0.03	mg / cm ^2
930	5/5/2017 15:25	PAINT	3.1	WALL	C	INTACT	BEIGE	FIRST	152	Section B	Negative	< LOD	0.03	mg / cm ^2
931	5/5/2017 15:25	PAINT	1.55	WALL	D	INTACT	BEIGE	FIRST	152	Section B	Negative	< LOD	0.03	mg / cm ^2
932	5/5/2017 15:26	PAINT	2.23	WINDOW	A	INTACT	BEIGE	FIRST	152	Section B	Negative	< LOD	0.03	mg / cm ^2
933	5/5/2017 15:26	PAINT	1.02	DOOR	B	INTACT	BEIGE	FIRST	152	Section B	Negative	< LOD	0.09	mg / cm ^2
934	5/5/2017 15:26	PAINT	1.03	DOOR	B	INTACT	BEIGE	FIRST	152	Section B	Negative	< LOD	0.11	mg / cm ^2
935	5/5/2017 15:31	PAINT	2.93	WALL	A	INTACT	YELLOW	FIRST	160	Section B	Negative	< LOD	0.03	mg / cm ^2
936	5/5/2017 15:31	PAINT	1.03	WALL	B	INTACT	YELLOW	FIRST	160	Section B	Negative	< LOD	0.03	mg / cm ^2
937	5/5/2017 15:31	PAINT	0.35	WALL	C	INTACT	YELLOW	FIRST	160	Section B	Null	< LOD	0.15	mg / cm ^2
938	5/5/2017 15:32	PAINT	3.11	WALL	D	INTACT	YELLOW	FIRST	160	Section B	Negative	< LOD	0.03	mg / cm ^2
939	5/5/2017 15:32	PAINT	2.57	WALL	A	INTACT	YELLOW	FIRST	160	Section B	Negative	< LOD	0.03	mg / cm ^2
940	5/5/2017 15:32	PAINT	1.03	DOOR	B	INTACT	BROWN	FIRST	160	Section B	Negative	< LOD	0.31	mg / cm ^2
941	5/5/2017 15:33	PAINT	1.03	DOOR	B	INTACT	BROWN	FIRST	160	Section B	Negative	< LOD	0.39	mg / cm ^2
942	5/5/2017 15:33	PAINT	1.03	DOOR	D	INTACT	BROWN	FIRST	160	Section B	Negative	< LOD	0.14	mg / cm ^2
943	5/5/2017 15:33	PAINT	1.03	DOOR	D	INTACT	BROWN	FIRST	160	Section B	Negative	< LOD	0.27	mg / cm ^2
944	5/5/2017 15:33	PAINT	1.03	DOOR	A	INTACT	BROWN	FIRST	160	Section B	Negative	< LOD	0.05	mg / cm ^2
945	5/5/2017 15:34	PAINT	1.55	DOOR	A	INTACT	BROWN	FIRST	160	Section B	Negative	< LOD	0.03	mg / cm ^2
946	5/5/2017 15:34	PAINT	1.03	DOOR	A	INTACT	BLUE	FIRST	161	Section B	Negative	< LOD	0.35	mg / cm ^2
947	5/5/2017 15:35	PAINT	1.03	DOOR	A	INTACT	BROWN	FIRST	161	Section B	Negative	< LOD	0.28	mg / cm ^2
948	5/5/2017 15:35	PAINT	2.74	WALL	A	INTACT	WHITE	FIRST	161	Section B	Negative	< LOD	0.03	mg / cm ^2
949	5/5/2017 15:35	PAINT	2.56	WALL	B	INTACT	WHITE	FIRST	161	Section B	Negative	< LOD	0.03	mg / cm ^2
950	5/5/2017 15:36	PAINT	3.09	WALL	C	INTACT	WHITE	FIRST	161	Section B	Negative	< LOD	0.03	mg / cm ^2
951	5/5/2017 15:36	PAINT	2.57	WALL	D	INTACT	WHITE	FIRST	161	Section B	Negative	< LOD	0.03	mg / cm ^2
952	5/5/2017 15:37	PAINT	3.26	WALL	A	INTACT	BLUE	FIRST	161	Section B	Negative	< LOD	0.03	mg / cm ^2
953	5/5/2017 15:37	PAINT	2.23	WALL	A	INTACT	BLUE	FIRST	161	Section B	Negative	< LOD	0.03	mg / cm ^2
954	5/5/2017 15:37	PAINT	3.08	WALL	A	INTACT	BLUE	FIRST	161	Section B	Negative	< LOD	0.03	mg / cm ^2
955	5/5/2017 15:38	PAINT	3.1	WALL	A	INTACT	BLUE	FIRST	161	Section B	Negative	< LOD	0.03	mg / cm ^2
956	5/5/2017 15:38	PAINT	4.61	BASEBOARD	A	INTACT	WHITE	FIRST	161	Section B	Negative	< LOD	0.06	mg / cm ^2
957	5/5/2017 15:39	PAINT	2.24	WALL	A	INTACT	YELLOW	FIRST	162	Section B	Negative	< LOD	0.03	mg / cm ^2
958	5/5/2017 15:39	PAINT	1.03	WALL	B	INTACT	YELLOW	FIRST	162	Section B	Negative	< LOD	0.03	mg / cm ^2
959	5/5/2017 15:39	PAINT	1.71	WALL	C	INTACT	YELLOW	FIRST	162	Section B	Negative	< LOD	0.03	mg / cm ^2
960	5/5/2017 15:40	PAINT	3.1	WALL	D	INTACT	YELLOW	FIRST	162	Section B	Negative	< LOD	0.03	mg / cm ^2
961	5/5/2017 15:40	PAINT	1.54	BASEBOARD	A	INTACT	GREEN	FIRST	162	Section B	Null	< LOD	0.12	mg / cm ^2

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XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
962	5/5/2017 15:41	PAINT	3.25	WALL	A	INTACT	YELLOW	FIRST	163	Section B	Negative	< LOD	0.03	mg / cm ^2
963	5/5/2017 15:42	PAINT	3.1	WALL	A	INTACT	YELLOW	FIRST	163	Section B	Negative	< LOD	0.03	mg / cm ^2
964	5/5/2017 15:43	PAINT	2.92	WALL	A	INTACT	YELLOW	FIRST	163	Section B	Negative	< LOD	0.03	mg / cm ^2
965	5/5/2017 15:43	PAINT	3.26	WALL	A	INTACT	YELLOW	FIRST	163	Section B	Negative	< LOD	0.03	mg / cm ^2
966	5/5/2017 15:44	PAINT	1.02	WALL	UPPER	INTACT	YELLOW	FIRST	163	Section B	Negative	< LOD	0.03	mg / cm ^2
967	5/5/2017 15:44	PAINT	1.03	WALL	UPPER	INTACT	YELLOW	FIRST	163	Section B	Negative	< LOD	0.03	mg / cm ^2
968	5/5/2017 15:44	PAINT	3.09	COLUMN	B	INTACT	YELLOW	FIRST	163	Section B	Negative	< LOD	0.03	mg / cm ^2
969	5/5/2017 15:45	PAINT	2.22	BASEBOARD	C	INTACT	YELLOW	FIRST	163	Section B	Null	< LOD	0.1	mg / cm ^2
970	5/5/2017 15:45	PAINT	1.02	WINDOW	A	INTACT	BROWN	FIRST	163	Section B	Negative	< LOD	0.39	mg / cm ^2
971	5/5/2017 15:46	PAINT	2.92	WINDOW	A	INTACT	BROWN	FIRST	163f	Section B	Negative	< LOD	2.39	mg / cm ^2
972	5/5/2017 15:46	PAINT	1.03	WINDOW	A	INTACT	BROWN	FIRST	163f	Section B	Negative	< LOD	0.22	mg / cm ^2
973	5/5/2017 15:47	PAINT	1.03	WINDOW	A	INTACT	BROWN	FIRST	163e	Section B	Negative	< LOD	0.46	mg / cm ^2
974	5/5/2017 15:47	PAINT	1.03	WINDOW	A	INTACT	BROWN	FIRST	163e	Section B	Negative	< LOD	0.38	mg / cm ^2
975	5/5/2017 15:48	PAINT	1.03	WINDOW	A	INTACT	BROWN	FIRST	163d	Section B	Negative	< LOD	0.32	mg / cm ^2
976	5/5/2017 15:48	PAINT	1.03	WINDOW	A	INTACT	BROWN	FIRST	163d	Section B	Negative	< LOD	0.17	mg / cm ^2
977	5/5/2017 15:48	PAINT	3.93	WINDOW	A	INTACT	BROWN	FIRST	163d	Section B	Negative	< LOD	0.24	mg / cm ^2
978	5/5/2017 15:50	PAINT	2.23	WALL	A	INTACT	BEIGE	FIRST	165	Section B	Negative	< LOD	0.03	mg / cm ^2
979	5/5/2017 15:50	PAINT	2.4	WALL	B	INTACT	BEIGE	FIRST	165	Section B	Negative	< LOD	0.04	mg / cm ^2
980	5/5/2017 15:50	PAINT	3.26	WALL	C	INTACT	BEIGE	FIRST	165	Section B	Negative	< LOD	0.03	mg / cm ^2
981	5/5/2017 15:51	PAINT	3.09	WALL	D	INTACT	BEIGE	FIRST	165	Section B	Negative	< LOD	0.03	mg / cm ^2
982	5/5/2017 15:51	PAINT	3.08	BASEBOARD	A	INTACT	GREEN	FIRST	165	Section B	Negative	< LOD	0.03	mg / cm ^2
983	5/5/2017 15:52	PAINT	3.27	WALL	A	INTACT	BEIGE	FIRST	167	Section B	Negative	< LOD	0.03	mg / cm ^2
984	5/5/2017 15:52	PAINT	3.11	WALL	B	INTACT	BEIGE	FIRST	167	Section B	Negative	< LOD	0.03	mg / cm ^2
985	5/5/2017 15:53	PAINT	3.1	WALL	C	INTACT	BEIGE	FIRST	167	Section B	Negative	< LOD	0.03	mg / cm ^2
986	5/5/2017 15:53	PAINT	2.75	WALL	D	INTACT	BEIGE	FIRST	167	Section B	Negative	< LOD	0.03	mg / cm ^2
987	5/5/2017 15:54	PAINT	2.4	WALL	A	INTACT	BEIGE	FIRST	168	Section B	Negative	< LOD	0.03	mg / cm ^2
988	5/5/2017 15:54	PAINT	3.26	WALL	B	INTACT	BEIGE	FIRST	168	Section B	Negative	< LOD	0.08	mg / cm ^2
989	5/5/2017 15:55	PAINT	5.15	WALL	C	INTACT	BEIGE	FIRST	168	Section B	Negative	0.05	0.03	mg / cm ^2
990	5/5/2017 15:55	PAINT	3.25	WALL	D	INTACT	BEIGE	FIRST	168	Section B	Negative	< LOD	0.04	mg / cm ^2
991	5/5/2017 15:56	PAINT	3.41	WINDOW	A	INTACT	BEIGE	FIRST	168	Section B	Negative	< LOD	0.03	mg / cm ^2
992	5/5/2017 15:56	PAINT	1.72	WINDOW	A	INTACT	BEIGE	FIRST	168	Section B	Negative	< LOD	0.18	mg / cm ^2
993	5/5/2017 15:57	PAINT	0.35	WINDOW	A	INTACT	BEIGE	FIRST	168	Section B	Positive	< LOD	93	mg / cm ^2
994	5/5/2017 15:57	PAINT	0.34	WINDOW	A	INTACT	BEIGE	FIRST	168	Section B	Positive	< LOD	96.75	mg / cm ^2
995	5/5/2017 15:58	PAINT	3.1	WALL	A	INTACT	BEIGE	FIRST	168a	Section B	Negative	< LOD	0.03	mg / cm ^2
996	5/5/2017 15:58	PAINT	0.17	WALL	B	INTACT	BEIGE	FIRST	168a	Section B	Null	< LOD	0.03	mg / cm ^2
997	5/5/2017 15:58	PAINT	3.1	WALL	C	INTACT	BEIGE	FIRST	168a	Section B	Negative	< LOD	0.03	mg / cm ^2
998	5/5/2017 15:59	PAINT	2.76	WALL	D	INTACT	BEIGE	FIRST	168a	Section B	Negative	< LOD	0.03	mg / cm ^2
999	5/5/2017 15:59	PAINT	3.09	WALL	A	INTACT	BEIGE	FIRST	168a	Section B	Negative	< LOD	0.03	mg / cm ^2
1000	5/5/2017 15:59	PAINT	2.91	BASEBOARD	D	INTACT	BEIGE	FIRST	168a	Section B	Negative	< LOD	0.1	mg / cm ^2
1001	5/5/2017 16:00	PAINT	2.41	FLOOR	D	INTACT	BEIGE	FIRST	168a	Section B	Null	< LOD	0.03	mg / cm ^2
1002	5/5/2017 16:01	PAINT	1.71	WALL	A	INTACT	BEIGE	FIRST	169	Section B	Null	< LOD	0.03	mg / cm ^2
1003	5/5/2017 16:01	PAINT	3.27	WALL	B	INTACT	BEIGE	FIRST	169	Section B	Negative	< LOD	0.03	mg / cm ^2
1004	5/5/2017 16:01	PAINT	2.92	WALL	C	INTACT	BEIGE	FIRST	169	Section B	Null	< LOD	0.03	mg / cm ^2
1005	5/5/2017 16:02	PAINT	0.52	WALL	D	INTACT	BEIGE	FIRST	169	Section B	Null	< LOD	0.04	mg / cm ^2
1006	5/5/2017 16:02	PAINT	3.09	WINDOW	A	INTACT	BEIGE	FIRST	169	Section B	Negative	< LOD	0.03	mg / cm ^2
1007	5/5/2017 16:03	PAINT	1.71	WALL	A	INTACT	BEIGE	FIRST	170	Section B	Null	< LOD	0.03	mg / cm ^2
1008	5/5/2017 16:03	PAINT	3.09	WALL	B	INTACT	BEIGE	FIRST	170	Section B	Negative	< LOD	0.1	mg / cm ^2
1009	5/5/2017 16:03	PAINT	1.2	WALL	C	INTACT	BEIGE	FIRST	170	Section B	Null	< LOD	0.03	mg / cm ^2
1010	5/5/2017 16:03	PAINT	2.23	WALL	D	INTACT	BEIGE	FIRST	170	Section B	Negative	< LOD	0.07	mg / cm ^2
1011	5/5/2017 16:04	PAINT	1.02	DOOR	B	INTACT	BROWN	FIRST	170	Section B	Negative	< LOD	0.16	mg / cm ^2
1012	5/5/2017 16:04	PAINT	1.89	DOOR	B	INTACT	BROWN	FIRST	171	Section B	Negative	< LOD	0.56	mg / cm ^2
1013	5/5/2017 16:05	PAINT	1.03	DOOR	B	INTACT	BROWN	FIRST	171	Section B	Negative	< LOD	0.08	mg / cm ^2
1014	5/5/2017 16:05	PAINT	0.68	WALL	A	INTACT	PINK	FIRST	171	Section B	Positive	< LOD	21.75	mg / cm ^2
1015	5/5/2017 16:05	PAINT	0.52	WALL	A	INTACT	PINK	FIRST	171	Section B	Positive	< LOD	27.45	mg / cm ^2
1016	5/5/2017 16:05	PAINT	0.51	WALL	B	INTACT	PINK	FIRST	171	Section B	Positive	< LOD	27.9	mg / cm ^2
1017	5/5/2017 16:06	PAINT	1.03	WALL	C	INTACT	PINK	FIRST	171	Section B	Negative	< LOD	0.08	mg / cm ^2
1018	5/5/2017 16:06	PAINT	2.24	WALL	D	INTACT	PINK	FIRST	171	Section B	Positive	3.3	2.1	mg / cm ^2
1019	5/5/2017 16:07	PAINT	6.35	BASEBOARD	D	INTACT	PINK	FIRST	171	Section B	Null	< LOD	0.04	mg / cm ^2
1020	5/5/2017 16:08	PAINT	0.68	TRIM	A	INTACT	WHITE	FIRST	171	Section B	Positive	< LOD	21	mg / cm ^2
1021	5/5/2017 16:08	PAINT	0.86	TRIM	A	INTACT	WHITE	FIRST	171	Section B	Null	< LOD	0.06	mg / cm ^2
1022	5/5/2017 16:08	PAINT	1.03	TRIM	A	INTACT	WHITE	FIRST	171	Section B	Negative	< LOD	0.04	mg / cm ^2

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Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1023	5/5/2017 16:08	PAINT	3.08	TRIM	A	INTACT	WHITE	FIRST	171	Section B	Negative	< LOD	0.06	mg / cm ^2
1024	5/5/2017 16:09	PAINT	1.03	WINDOW	A	INTACT	BROWN	FIRST	171	Section B	Negative	< LOD	0.04	mg / cm ^2
1025	5/5/2017 16:09	PAINT	1.03	WINDOW	A	INTACT	BROWN	FIRST	171	Section B	Negative	< LOD	0.03	mg / cm ^2
1026	5/5/2017 16:10	PAINT	0.51	WALL	A	INTACT	PINK	FIRST	172	Section B	Positive	< LOD	28.05	mg / cm ^2
1027	5/5/2017 16:10	PAINT	3.26	WALL	B	INTACT	PINK	FIRST	172	Section B	Positive	2.3	1.2	mg / cm ^2
1028	5/5/2017 16:10	PAINT	2.06	WALL	C	INTACT	PINK	FIRST	172	Section B	Negative	< LOD	0.03	mg / cm ^2
1029	5/5/2017 16:11	PAINT	1.71	WALL	D	INTACT	PINK	FIRST	172	Section B	Negative	< LOD	0.03	mg / cm ^2
1030	5/5/2017 16:11	PAINT	2.41	WALL	D	INTACT	PINK	FIRST	172	Section B	Negative	< LOD	0.03	mg / cm ^2
1031	5/5/2017 16:12	PAINT	1.56	WALL	D	INTACT	PINK	FIRST	172	Section B	Negative	< LOD	0.03	mg / cm ^2
1032	5/5/2017 16:12	PAINT	0.52	WALL	D	INTACT	PINK	FIRST	172	Section B	Positive	< LOD	26.4	mg / cm ^2
1033	5/5/2017 16:12	PAINT	1.03	CLOSET	B	INTACT	WHITE	FIRST	172	Section B	Negative	< LOD	0.05	mg / cm ^2
1034	5/5/2017 16:12	PAINT	1.03	CLOSET	B	INTACT	WHITE	FIRST	172	Section B	Negative	< LOD	0.05	mg / cm ^2
1035	5/5/2017 16:14	PAINT	2.93	WALL	A	INTACT	TAN	FIRST	173	Section B	Negative	< LOD	0.03	mg / cm ^2
1036	5/5/2017 16:14	PAINT	2.42	WALL	A	INTACT	TAN	FIRST	173	Section B	Negative	< LOD	0.03	mg / cm ^2
1037	5/5/2017 16:14	PAINT	1.88	WALL	A	INTACT	TAN	FIRST	173	Section B	Negative	< LOD	0.04	mg / cm ^2
1038	5/5/2017 16:15	PAINT	3.1	WALL	A	INTACT	TAN	FIRST	173	Section B	Negative	< LOD	0.03	mg / cm ^2
1039	5/5/2017 16:15	PAINT	3.27	DOOR	C	INTACT	TAN	FIRST	173	Section B	Negative	< LOD	1.63	mg / cm ^2
1040	5/5/2017 16:15	PAINT	1.03	DOOR	C	INTACT	BROWN	FIRST	173	Section B	Negative	< LOD	0.44	mg / cm ^2
1041	5/5/2017 16:16	PAINT	1.21	BASEBOARD	C	INTACT	TAN	FIRST	173	Section B	Positive	< LOD	6.15	mg / cm ^2
1042	5/5/2017 16:16	PAINT	2.06	BASEBOARD	C	INTACT	TAN	FIRST	173	Section B	Positive	< LOD	4.05	mg / cm ^2
1043	5/5/2017 16:17	PAINT	3.27	WALL	C	INTACT	TAN	FIRST	173	Section B	Negative	< LOD	0.03	mg / cm ^2
1044	5/5/2017 16:17	PAINT	3.11	WALL	A	INTACT	PINK	FIRST	174	Section B	Negative	< LOD	0.03	mg / cm ^2
1045	5/5/2017 16:18	PAINT	4.65	WALL	A	INTACT	PINK	FIRST	174	Section B	Negative	< LOD	0.03	mg / cm ^2
1046	5/5/2017 16:18	PAINT	6.89	WALL	A	INTACT	PINK	FIRST	174	Section B	Null	< LOD	0.03	mg / cm ^2
1047	5/5/2017 16:19	PAINT	7.07	WALL	A	INTACT	PINK	FIRST	174	Section B	Null	< LOD	0.03	mg / cm ^2
1048	5/5/2017 16:19	PAINT	5.32	BASEBOARD	A	INTACT	PINK	FIRST	174	Section B	Negative	< LOD	0.03	mg / cm ^2
1049	5/5/2017 16:22	PAINT	0.69	CEILING	A	INTACT	WHITE	FIRST	155f	Section B	Null	< LOD	0.04	mg / cm ^2
1050	5/5/2017 16:22	PAINT	1.88	TRIM	A	INTACT	WHITE	FIRST	155f	Section B	Negative	< LOD	0.44	mg / cm ^2
1051	5/5/2017 16:22	PAINT	1.03	TRIM	A	INTACT	WHITE	FIRST	155f	Section B	Negative	< LOD	0.03	mg / cm ^2
1052	5/5/2017 16:23	PAINT	1.03	DOOR	A	INTACT	WHITE	FIRST	155e	Section B	Negative	< LOD	0.27	mg / cm ^2
1053	5/5/2017 16:24	PAINT	3.11	WALL	A	INTACT	BEIGE	FIRST	155e	Section B	Negative	< LOD	0.03	mg / cm ^2
1054	5/5/2017 16:24	PAINT	2.59	WALL	A	INTACT	BEIGE	FIRST	155e	Section B	Null	< LOD	0.03	mg / cm ^2
1055	5/5/2017 16:25	PAINT	2.24	WALL	A	INTACT	BEIGE	FIRST	155e	Section B	Null	< LOD	0.03	mg / cm ^2
1056	5/5/2017 16:25	PAINT	1.03	DOOR	B	INTACT	BROWN	FIRST	155e	Section B	Negative	< LOD	0.14	mg / cm ^2
1057	5/5/2017 16:26	PAINT	0.85	DOOR	B	INTACT	BROWN	FIRST	155e	Section B	Null	< LOD	0.31	mg / cm ^2
1058	5/5/2017 16:27	PAINT	2.42	WALL	A	INTACT	YELLOW	FIRST	155c	Section B	Null	< LOD	0.03	mg / cm ^2
1059	5/5/2017 16:27	PAINT	1.37	WALL	A	INTACT	YELLOW	FIRST	155c	Section B	Negative	< LOD	0.03	mg / cm ^2
1060	5/5/2017 16:27	PAINT	2.58	WALL	A	INTACT	YELLOW	FIRST	155c	Section B	Negative	< LOD	0.03	mg / cm ^2
1061	5/5/2017 16:27	PAINT	2.75	WALL	A	INTACT	YELLOW	FIRST	155c	Section B	Negative	< LOD	0.03	mg / cm ^2
1062	5/5/2017 16:28	PAINT	1.03	DOOR	D	INTACT	GREEN	FIRST	155c	Section B	Negative	< LOD	0.19	mg / cm ^2
1063	5/5/2017 16:28	PAINT	1.03	DOOR	D	INTACT	GREEN	FIRST	155c	Section B	Negative	< LOD	0.36	mg / cm ^2
1064	5/5/2017 16:28	PAINT	0.69	CEILING	D	INTACT	WHITE	FIRST	155c	Section B	Null	< LOD	0.03	mg / cm ^2
1065	5/5/2017 16:29	PAINT	2.93	TRIM	A	INTACT	GREEN	FIRST	155a	Section B	Negative	< LOD	0.03	mg / cm ^2
1066	5/5/2017 16:30	PAINT	2.75	TRIM	A	INTACT	GREEN	FIRST	155a	Section B	Negative	< LOD	0.03	mg / cm ^2
1067	5/5/2017 16:30	PAINT	2.06	TRIM	A	INTACT	GREEN	FIRST	155a	Section B	Negative	< LOD	0.03	mg / cm ^2
1068	5/5/2017 16:30	PAINT	3.08	TRIM	A	INTACT	GREEN	FIRST	155a	Section B	Negative	< LOD	0.08	mg / cm ^2
1069	5/5/2017 16:31	PAINT	1.03	CABINET	D	INTACT	BROWN	FIRST	155a	Section B	Negative	< LOD	0.03	mg / cm ^2
1070	5/5/2017 16:31	PAINT	1.2	TRIM	A	INTACT	YELLOW	FIRST	155	Section B	Negative	< LOD	0.03	mg / cm ^2
1071	5/5/2017 16:32	PAINT	2.91	TRIM	C	INTACT	YELLOW	FIRST	155	Section B	Negative	< LOD	0.03	mg / cm ^2
1072	5/5/2017 16:33	PAINT	3.09	TRIM	D	INTACT	YELLOW	FIRST	155	Section B	Negative	< LOD	0.03	mg / cm ^2
1073	5/5/2017 16:33	PAINT	3.09	WALL	B	INTACT	YELLOW	FIRST	155	Section B	Negative	< LOD	0.03	mg / cm ^2
1074	5/5/2017 16:34	PAINT	1.03	DOOR	D	INTACT	BROWN	FIRST	155	Section B	Negative	< LOD	0.49	mg / cm ^2
1075	5/5/2017 16:34	PAINT	1.03	DOOR	D	INTACT	BROWN	FIRST	155	Section B	Negative	< LOD	0.32	mg / cm ^2
1076	5/5/2017 16:36	PAINT	10.5	Calibration	D	INTACT	BROWN	FIRST	155	Section B	Positive	1	0.1	mg / cm ^2
1077	5/5/2017 16:37	PAINT	13.07	Calibration	D	INTACT	BROWN	FIRST	155	Section B	Positive	1	0.1	mg / cm ^2
1078	5/5/2017 16:38	PAINT	6.18	Calibration	D	INTACT	BROWN	FIRST	155	Section B	Positive	1	0.1	mg / cm ^2
1079	5/6/2017 08:12	SHUTTER_CAL	154.65									2.18	0	cps
1080	5/6/2017 08:14	PAINT	18.39	Calibration				FIRST			Positive	1	0.1	mg / cm ^2
1081	5/6/2017 08:14	PAINT	2.92	Calibration				FIRST			Positive	0.8	0.2	mg / cm ^2
1082	5/6/2017 08:15	PAINT	7.36	Calibration				FIRST			Positive	1.1	0.1	mg / cm ^2
1140	5/6/2017 09:08	PAINT	2.73	WALL	B		WHITE		154	Section B	Negative	< LOD	0.06	mg / cm ^2

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XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1141	5/6/2017 09:08	PAINT	1.03	BASEBOARD	C		BROWN		154	Section B	Negative	< LOD	0.31	mg / cm ^2
1142	5/6/2017 09:09	PAINT	1.02	WALL	D		BROWN		154	Section B	Negative	< LOD	0.35	mg / cm ^2
1143	5/6/2017 09:09	PAINT	1.03							Section B	Negative	< LOD	0.03	mg / cm ^2
1144	5/6/2017 09:09	PAINT	1.03							Section B	Negative	< LOD	0.04	mg / cm ^2
1145	5/6/2017 09:09	PAINT	1.02							Section B	Negative	< LOD	0.04	mg / cm ^2
1146	5/6/2017 09:10	PAINT	1.03	DOOR FRAME	D		BROWN	FIRST	154b	Section B	Negative	< LOD	0.45	mg / cm ^2
1147	5/6/2017 09:10	PAINT	1.02	DOOR FRAME	D		BROWN	FIRST	154b	Section B	Negative	< LOD	0.25	mg / cm ^2
1148	5/6/2017 09:10	PAINT	1.03	CABINETS	D		WHITE	FIRST	154b	Section B	Negative	< LOD	0.04	mg / cm ^2
1149	5/6/2017 09:10	PAINT	1.02	CABINETS	D		WHITE	FIRST	154b	Section B	Negative	< LOD	0.03	mg / cm ^2
1150	5/6/2017 09:11	PAINT	1.02	CABINETS	D		GREEN	FIRST	154b	Section B	Negative	< LOD	0.05	mg / cm ^2
1151	5/6/2017 09:11	PAINT	1.02	CABINETS	D		GREEN	FIRST	154b	Section B	Negative	< LOD	0.04	mg / cm ^2
1152	5/6/2017 09:11	PAINT	2.23	WALL	A		WHITE	FIRST	154b	Section B	Negative	< LOD	0.03	mg / cm ^2
1153	5/6/2017 09:12	PAINT	3.26	WALL	B		WHITE	FIRST	154b	Section B	Negative	< LOD	0.03	mg / cm ^2
1154	5/6/2017 09:12	PAINT	2.58	WALL	C		WHITE	FIRST	154b	Section B	Negative	< LOD	0.06	mg / cm ^2
1155	5/6/2017 09:12	PAINT	4.47	WALL	D		WHITE	FIRST	154b	Section B	Null	< LOD	0.03	mg / cm ^2
1156	5/6/2017 09:13	PAINT	4.45	BASEBOARD	A		WHITE	FIRST	154b	Section B	Negative	0.05	0.03	mg / cm ^2
1157	5/6/2017 09:14	PAINT	1.03	3x3 Tile			BROWN	FIRST	153	Section B	Negative	< LOD	0.17	mg / cm ^2
1158	5/6/2017 09:14	PAINT	2.22	WALL	A		WHITE	FIRST	153	Section B	Negative	< LOD	0.03	mg / cm ^2
1159	5/6/2017 09:15	PAINT	2.73	WALL	B		WHITE	FIRST	153	Section B	Negative	< LOD	0.03	mg / cm ^2
1160	5/6/2017 09:15	PAINT	3.25	WALL	C		WHITE	FIRST	153	Section B	Negative	< LOD	0.03	mg / cm ^2
1161	5/6/2017 09:15	PAINT	2.73	WALL	D		WHITE	FIRST	153	Section B	Null	< LOD	0.03	mg / cm ^2
1162	5/6/2017 09:16	PAINT	3.1	WALL	A		YELLOW	FIRST	154hall	Section B	Negative	< LOD	0.03	mg / cm ^2
1163	5/6/2017 09:17	PAINT	0.52	WALL	D		YELLOW	FIRST	154hall	Section B	Null	< LOD	0.05	mg / cm ^2
1164	5/6/2017 09:17	PAINT	3.25	WALL	C		YELLOW	FIRST	154hall	Section B	Negative	< LOD	0.03	mg / cm ^2
1165	5/6/2017 09:18	PAINT	3.26	WALL	B		YELLOW	FIRST	154hall	Section B	Negative	< LOD	0.03	mg / cm ^2
1166	5/6/2017 09:18	PAINT	1.03	BRICK	B		YELLOW/BROW	FIRST	154hall	Section B	Negative	< LOD	0.05	mg / cm ^2
1167	5/6/2017 09:18	PAINT	1.03	ELEVATOR DOOR	B		BLUE	FIRST	154hall	Section B	Negative	< LOD	0.05	mg / cm ^2
1168	5/6/2017 09:18	PAINT	1.03	DOOR	B		BROWN	FIRST	154hall	Section B	Negative	< LOD	0.29	mg / cm ^2
1169	5/6/2017 09:19	PAINT	1.02	DOOR	B		BROWN	FIRST	154hall	Section B	Negative	< LOD	0.31	mg / cm ^2
1170	5/6/2017 09:19	PAINT	1.03	DOOR	B		BROWN	FIRST	154hall	Section B	Negative	< LOD	0.74	mg / cm ^2
1171	5/6/2017 09:19	PAINT	3.26	Tile	B		YELLOW	FIRST	154hall	Section B	Negative	< LOD	0.15	mg / cm ^2
1172	5/6/2017 09:20	PAINT	1.03	DOOR OF 155			BROWN	FIRST	154hall	Section B	Negative	< LOD	0.14	mg / cm ^2
1173	5/6/2017 09:20	PAINT	1.03	DOOR OF 156			BROWN	FIRST	154hall	Section B	Negative	< LOD	0.21	mg / cm ^2
1174	5/6/2017 09:20	PAINT	3.25	DOOR OF 157			BROWN	FIRST	154hall	Section B	Negative	< LOD	0.88	mg / cm ^2
1175	5/6/2017 09:20	PAINT	1.03	DOOR OF 160			BROWN	FIRST	154hall	Section B	Negative	< LOD	0.4	mg / cm ^2
1176	5/6/2017 09:20	PAINT	1.19	DOOR OF 161			BROWN	FIRST	154hall	Section B	Negative	< LOD	0.4	mg / cm ^2
1177	5/6/2017 09:23	PAINT	1.03	DOOR			BROWN	FIRST	148door	Section B	Negative	< LOD	0.45	mg / cm ^2
1178	5/6/2017 09:23	PAINT	1.02	DOOR			BROWN	FIRST	148door	Section B	Negative	< LOD	0.27	mg / cm ^2
1179	5/6/2017 09:23	PAINT	1.02	DOOR			BROWN	FIRST	148door	Section B	Negative	< LOD	0.45	mg / cm ^2
1180	5/6/2017 09:23	PAINT	1.02	DOOR			BROWN	FIRST	148door	Section B	Negative	< LOD	0.31	mg / cm ^2
1181	5/6/2017 09:24	PAINT	1.03	DOOR			BROWN	FIRST	148door	Section B	Negative	< LOD	0.36	mg / cm ^2
1182	5/6/2017 09:24	PAINT	1.03	DOOR	D		BROWN	FIRST	148door	Section B	Negative	< LOD	0.24	mg / cm ^2
1183	5/6/2017 09:24	PAINT	1.03	DOOR	D		BROWN	FIRST	148door	Section B	Negative	< LOD	0.14	mg / cm ^2
1184	5/6/2017 09:24	PAINT	1.02	DOOR	D		BROWN	FIRST	148door	Section B	Negative	< LOD	0.12	mg / cm ^2
1185	5/6/2017 09:24	PAINT	1.02	AC UNIT	B		WHITE	FIRST	148door	Section B	Negative	< LOD	0.04	mg / cm ^2
1186	5/6/2017 09:29	PAINT	1.71	WALL	A		BEIGE	SECOND	235	Section B	Negative	< LOD	0.03	mg / cm ^2
1187	5/6/2017 09:29	PAINT	2.24	WALL	B		BEIGE	SECOND	235	Section B	Negative	< LOD	0.03	mg / cm ^2
1188	5/6/2017 09:29	PAINT	1.02	WALL	C		BEIGE	SECOND	235	Section B	Negative	< LOD	0.03	mg / cm ^2
1189	5/6/2017 09:30	PAINT	3.1	WALL	D		BEIGE	SECOND	235	Section B	Negative	< LOD	0.03	mg / cm ^2
1190	5/6/2017 09:30	PAINT	1.03	WINDOW	B		BEIGE	SECOND	235	Section B	Negative	< LOD	0.03	mg / cm ^2
1191	5/6/2017 09:30	PAINT	1.02	WINDOW	B		BEIGE	SECOND	235	Section B	Negative	< LOD	0.04	mg / cm ^2
1192	5/6/2017 09:31	PAINT	1.04	DOOR	A		BROWN	SECOND	235	Section B	Negative	< LOD	0.04	mg / cm ^2
1193	5/6/2017 09:31	PAINT	1.03	DOOR	A		BROWN	SECOND	235	Section B	Negative	< LOD	0.04	mg / cm ^2
1194	5/6/2017 09:32	PAINT	1.03	WINDOW	C		BROWN	SECOND	235hall	Section B	Negative	< LOD	0.03	mg / cm ^2
1195	5/6/2017 09:32	PAINT	1.03	WINDOW	C		PINK	SECOND	235hall	Section B	Negative	< LOD	0.05	mg / cm ^2
1196	5/6/2017 09:32	PAINT	1.03	WINDOW	C		BEIGE	SECOND	235hall	Section B	Negative	< LOD	0.05	mg / cm ^2
1197	5/6/2017 09:32	PAINT	1.02	DOUBLE DOORS	A		BROWN	SECOND	235hall	Section B	Negative	< LOD	0.17	mg / cm ^2
1198	5/6/2017 09:33	PAINT	1.02	DOUBLE DOORS	A		BROWN	SECOND	235hall	Section B	Negative	< LOD	0.11	mg / cm ^2
1199	5/6/2017 09:33	PAINT	1.02	CABINETS	A		BEIGE	SECOND	235hall	Section B	Negative	< LOD	0.1	mg / cm ^2
1200	5/6/2017 09:33	PAINT	1.03	SUPPORT BEAM	A		BEIGE	SECOND	235hall	Section B	Negative	< LOD	0.04	mg / cm ^2
1201	5/6/2017 09:34	PAINT	1.03	SUPPORT BEAM	A		BEIGE	SECOND	235hall	Section B	Negative	< LOD	0.03	mg / cm ^2

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XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1202	5/6/2017 09:34	PAINT	1.02	DOOR	D		BEIGE	SECOND	235a	Section B	Negative	< LOD	0.03	mg / cm ^2
1203	5/6/2017 09:35	PAINT	1.03	DOOR	D		BEIGE	SECOND	235a	Section B	Negative	< LOD	0.03	mg / cm ^2
1204	5/6/2017 09:35	PAINT	1.72	DOOR	D		BEIGE	SECOND	235a	Section B	Negative	< LOD	0.03	mg / cm ^2
1205	5/6/2017 09:35	PAINT	1.02	DOOR	D		BROWN	SECOND	235a	Section B	Negative	< LOD	0.14	mg / cm ^2
1206	5/6/2017 09:35	PAINT	3.24	DOOR	A		BEIGE	SECOND	235a	Section B	Negative	< LOD	0.32	mg / cm ^2
1207	5/6/2017 09:35	PAINT	0.17	DOOR	B		BEIGE	SECOND	235a	Section B	Null	< LOD	0.03	mg / cm ^2
1208	5/6/2017 09:36	PAINT	3.8	DOOR	C		BEIGE	SECOND	235a	Section B	Negative	< LOD	0.1	mg / cm ^2
1209	5/6/2017 09:36	PAINT	1.72	DOOR	D		BEIGE	SECOND	235a	Section B	Negative	< LOD	0.03	mg / cm ^2
1210	5/6/2017 09:38	PAINT	1.37	WALL	D		PINK	SECOND	235c	Section B	Negative	< LOD	0.03	mg / cm ^2
1211	5/6/2017 09:39	PAINT	1.02	WINDOW	A		BEIGE	SECOND	236	Section B	Negative	< LOD	0.03	mg / cm ^2
1212	5/6/2017 09:39	PAINT	1.02	DOOR	B		BEIGE	SECOND	236	Section B	Negative	< LOD	0.03	mg / cm ^2
1213	5/6/2017 09:40	PAINT	1.7	WALL	A		BEIGE	SECOND	236	Section B	Negative	< LOD	0.03	mg / cm ^2
1214	5/6/2017 09:40	PAINT	1.7	WALL	B		BEIGE	SECOND	236	Section B	Negative	< LOD	0.03	mg / cm ^2
1215	5/6/2017 09:40	PAINT	1.37	WALL	C		BEIGE	SECOND	236	Section B	Null	< LOD	0.03	mg / cm ^2
1216	5/6/2017 09:40	PAINT	3.1	WALL	D		BEIGE	SECOND	236	Section B	Negative	< LOD	0.03	mg / cm ^2
1217	5/6/2017 09:41	PAINT	1.02	CABINETS			BEIGE	SECOND	236	Section B	Negative	< LOD	0.11	mg / cm ^2
1218	5/6/2017 09:41	PAINT	0.85	CABINETS			GREEN	SECOND	236	Section B	Null	< LOD	0.09	mg / cm ^2
1219	5/6/2017 09:42	PAINT	3.08	WALL	A		BEIGE	SECOND	237	Section B	Negative	< LOD	0.03	mg / cm ^2
1220	5/6/2017 09:42	PAINT	1.37	WALL	B		BEIGE	SECOND	237	Section B	Negative	< LOD	0.03	mg / cm ^2
1221	5/6/2017 09:43	PAINT	1.89	WALL	C		BEIGE	SECOND	237	Section B	Negative	< LOD	0.03	mg / cm ^2
1222	5/6/2017 09:43	PAINT	1.9	WALL	D		BEIGE	SECOND	237	Section B	Negative	< LOD	0.03	mg / cm ^2
1223	5/6/2017 09:43	PAINT	1.03	CABINETS	A		BEIGE	SECOND	237	Section B	Negative	< LOD	0.03	mg / cm ^2
1224	5/6/2017 09:43	PAINT	1.02	CABINETS	A		PINK	SECOND	237	Section B	Negative	< LOD	0.03	mg / cm ^2
1225	5/6/2017 09:44	PAINT	1.03	CABINETS	B		BEIGE	SECOND	237	Section B	Negative	< LOD	0.05	mg / cm ^2
1226	5/6/2017 09:44	PAINT	1.03	CABINETS	B		BEIGE	SECOND	237	Section B	Negative	< LOD	0.03	mg / cm ^2
1227	5/6/2017 09:44	PAINT	1.02	CABINETS	C		BEIGE	SECOND	237	Section B	Negative	< LOD	0.03	mg / cm ^2
1228	5/6/2017 09:44	PAINT	1.38	CABINETS	C		BEIGE	SECOND	237	Section B	Negative	< LOD	0.03	mg / cm ^2
1229	5/6/2017 09:45	PAINT	1.02	DOOR	C		BROWN	SECOND	237a	Section B	Negative	< LOD	0.03	mg / cm ^2
1230	5/6/2017 09:45	PAINT	1.03	DOOR	C		BROWN	SECOND	237a	Section B	Negative	< LOD	0.03	mg / cm ^2
1231	5/6/2017 09:45	PAINT	1.03	CABINETS	B		BEIGE	SECOND	237a	Section B	Negative	< LOD	0.03	mg / cm ^2
1232	5/6/2017 09:46	PAINT	1.03	CABINETS	D		BEIGE	SECOND	237a	Section B	Negative	< LOD	0.03	mg / cm ^2
1233	5/6/2017 09:46	PAINT	2.22	WALL	C		BEIGE	SECOND	237a	Section B	Negative	< LOD	0.03	mg / cm ^2
1234	5/6/2017 09:46	PAINT	1.03	METAL DOOR	A		BEIGE	SECOND	237	Section B	Negative	< LOD	0.03	mg / cm ^2
1235	5/6/2017 09:47	PAINT	1.19	WALL	A		BEIGE	SECOND	hallway exit	Section B	Negative	< LOD	0.03	mg / cm ^2
1236	5/6/2017 09:48	PAINT	1.2	WALL	B		BEIGE	SECOND	hallway exit	Section B	Negative	< LOD	0.03	mg / cm ^2
1237	5/6/2017 09:48	PAINT	1.71	WALL	C		BEIGE	SECOND	hallway exit	Section B	Negative	< LOD	0.03	mg / cm ^2
1238	5/6/2017 09:48	PAINT	1.36	WALL	D		BEIGE	SECOND	hallway exit	Section B	Negative	< LOD	0.03	mg / cm ^2
1239	5/6/2017 09:48	PAINT	1.03	TRIM	D		BEIGE	SECOND	hallway exit	Section B	Negative	< LOD	0.04	mg / cm ^2
1240	5/6/2017 09:49	PAINT	1.03	HANDRAIL	D		BROWN	SECOND	hallway exit	Section B	Negative	< LOD	0.18	mg / cm ^2
1241	5/6/2017 09:49	PAINT	1.04	EXIT DOOR	D		BROWN	SECOND	hallway exit	Section B	Negative	< LOD	0.05	mg / cm ^2
1242	5/6/2017 09:50	PAINT	1.03	EXIT DOOR	D		BROWN	SECOND	hallway exit	Section B	Negative	< LOD	0.04	mg / cm ^2
1243	5/6/2017 09:50	PAINT	1.02	DOOR (238)	D		BROWN	SECOND	hallway exit	Section B	Negative	< LOD	0.04	mg / cm ^2
1244	5/6/2017 09:50	PAINT	1.03	DOOR (238)	D		BROWN	SECOND	hallway exit	Section B	Negative	< LOD	0.09	mg / cm ^2
1245	5/6/2017 09:50	PAINT	1.02	DOOR (241)	A		BROWN	SECOND	hallway exit	Section B	Negative	< LOD	0.03	mg / cm ^2
1246	5/6/2017 09:50	PAINT	1.02	DOOR (241)	A		BROWN	SECOND	hallway exit	Section B	Negative	< LOD	0.03	mg / cm ^2
1247	5/6/2017 09:51	PAINT	1.02	DOOR	A		BEIGE	SECOND	hallway exit	Section B	Negative	< LOD	0.03	mg / cm ^2
1248	5/6/2017 09:51	PAINT	1.04	EXIT DOOR	B		BROWN	SECOND	hallway exit	Section B	Negative	< LOD	0.04	mg / cm ^2
1249	5/6/2017 09:51	PAINT	1.02	EXIT DOOR	B		BROWN	SECOND	hallway exit	Section B	Negative	< LOD	0.05	mg / cm ^2
1250	5/6/2017 09:52	PAINT	1.03	EXIT DOOR	B		BROWN	SECOND	hallway exit	Section B	Negative	< LOD	0.03	mg / cm ^2
1251	5/6/2017 09:52	PAINT	1.02	EXIT DOOR	B		GRAY	SECOND	hallway exit	Section B	Negative	< LOD	0.03	mg / cm ^2
1252	5/6/2017 09:52	PAINT	1.03	DOOR	B		BEIGE	SECOND	hallway exit	Section B	Negative	< LOD	0.67	mg / cm ^2
1253	5/6/2017 09:53	PAINT	1.03	DOOR	B		PINK	SECOND	hallway exit	Section B	Negative	< LOD	0.33	mg / cm ^2
1254	5/6/2017 09:53	PAINT	1.03	WALL	A		BEIGE	SECOND	238	Section B	Negative	< LOD	0.03	mg / cm ^2
1255	5/6/2017 09:53	PAINT	1.21	WALL	B		BEIGE	SECOND	238	Section B	Null	< LOD	0.03	mg / cm ^2
1256	5/6/2017 09:53	PAINT	1.88	WALL	C		BEIGE	SECOND	238	Section B	Negative	< LOD	0.04	mg / cm ^2
1257	5/6/2017 09:54	PAINT	1.38	WALL	D		BEIGE	SECOND	238	Section B	Negative	< LOD	0.03	mg / cm ^2
1258	5/6/2017 09:54	PAINT	1.03	STALL			BEIGE	SECOND	238	Section B	Negative	< LOD	0.03	mg / cm ^2
1259	5/6/2017 09:54	PAINT	1.03	STALL			BEIGE	SECOND	238	Section B	Negative	< LOD	0.05	mg / cm ^2
1260	5/6/2017 09:54	PAINT	1.02	STALL			BEIGE	SECOND	238	Section B	Negative	< LOD	0.03	mg / cm ^2
1261	5/6/2017 09:55	PAINT	1.03	URINAL WALL			BEIGE	SECOND	238	Section B	Negative	< LOD	0.03	mg / cm ^2
1262	5/6/2017 09:55	PAINT	3.09	WALL	A		BEIGE	SECOND	239	Section B	Negative	< LOD	0.03	mg / cm ^2

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XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1263	5/6/2017 09:55	PAINT	1.2	WALL	B		BEIGE	SECOND	239	Section B	Negative	< LOD	0.03	mg / cm ^2
1264	5/6/2017 09:56	PAINT	2.58	WALL	C		BEIGE	SECOND	239	Section B	Negative	< LOD	0.1	mg / cm ^2
1265	5/6/2017 09:56	PAINT	1.9	WALL	D		BEIGE	SECOND	239	Section B	Negative	< LOD	0.03	mg / cm ^2
1266	5/6/2017 09:56	PAINT	1.03	STALL			BEIGE	SECOND	239	Section B	Negative	< LOD	0.03	mg / cm ^2
1267	5/6/2017 09:57	PAINT	1.03	STALL			BEIGE	SECOND	239	Section B	Negative	< LOD	0.03	mg / cm ^2
1268	5/6/2017 09:57	PAINT	1.02	STALL			BEIGE	SECOND	239	Section B	Negative	< LOD	0.03	mg / cm ^2
1269	5/6/2017 09:57	PAINT	2.05	WALL	A		BEIGE	SECOND	240	Section B	Negative	< LOD	0.05	mg / cm ^2
1270	5/6/2017 09:58	PAINT	1.72	WALL	B		BEIGE	SECOND	240	Section B	Negative	< LOD	0.03	mg / cm ^2
1271	5/6/2017 09:58	PAINT	0.68	WALL	C		BEIGE	SECOND	240	Section B	Null	< LOD	0.04	mg / cm ^2
1272	5/6/2017 09:58	PAINT	2.24	WALL	D		BEIGE	SECOND	240	Section B	Negative	< LOD	0.03	mg / cm ^2
1273	5/6/2017 09:59	PAINT	1.03	WINDOW	A		BROWN	SECOND	240	Section B	Negative	< LOD	0.04	mg / cm ^2
1274	5/6/2017 09:59	PAINT	1.03	WINDOW	A		BROWN	SECOND	240	Section B	Negative	< LOD	0.04	mg / cm ^2
1275	5/6/2017 09:59	PAINT	1.03	WINDOW	A		BROWN	SECOND	240	Section B	Negative	< LOD	0.11	mg / cm ^2
1276	5/6/2017 09:59	PAINT	1.03	CABINETS	A		BEIGE	SECOND	240	Section B	Negative	< LOD	0.05	mg / cm ^2
1277	5/6/2017 10:00	PAINT	1.03	CABINETS	A		BEIGE	SECOND	240	Section B	Negative	< LOD	0.03	mg / cm ^2
1278	5/6/2017 10:00	PAINT	2.06	WALL	A		BEIGE	SECOND	241	Section B	Negative	< LOD	0.07	mg / cm ^2
1279	5/6/2017 10:00	PAINT	1.9	WALL	B		BEIGE	SECOND	241	Section B	Negative	< LOD	0.03	mg / cm ^2
1280	5/6/2017 10:01	PAINT	0.52	WALL	C		BEIGE	SECOND	241	Section B	Null	< LOD	0.03	mg / cm ^2
1281	5/6/2017 10:01	PAINT	3.1	WALL	D		BEIGE	SECOND	241	Section B	Negative	< LOD	0.03	mg / cm ^2
1282	5/6/2017 10:01	PAINT	1.02	WINDOW	D		BEIGE	SECOND	241	Section B	Negative	< LOD	0.03	mg / cm ^2
1283	5/6/2017 10:02	PAINT	1.02	DOOR	B		BROWN	SECOND	241	Section B	Negative	< LOD	0.42	mg / cm ^2
1284	5/6/2017 10:02	PAINT	1.02	DOOR	B		BROWN	SECOND	241	Section B	Negative	< LOD	0.41	mg / cm ^2
1285	5/6/2017 10:02	PAINT	2.23	WALL	A		BEIGE	SECOND	241a	Section B	Negative	< LOD	0.03	mg / cm ^2
1286	5/6/2017 10:03	PAINT	1.89	WALL	B		BEIGE	SECOND	241a	Section B	Negative	< LOD	0.03	mg / cm ^2
1287	5/6/2017 10:03	PAINT	1.89	WALL	C		BEIGE	SECOND	241a	Section B	Negative	< LOD	0.03	mg / cm ^2
1288	5/6/2017 10:03	PAINT	2.07	WALL	D		BEIGE	SECOND	241a	Section B	Negative	< LOD	0.03	mg / cm ^2
1289	5/6/2017 10:04	PAINT	1.02	CABINETS	B		BEIGE	SECOND	241a	Section B	Negative	< LOD	0.03	mg / cm ^2
1290	5/6/2017 10:04	PAINT	1.03	CABINETS	B		BEIGE	SECOND	241a	Section B	Negative	< LOD	0.04	mg / cm ^2
1291	5/6/2017 10:04	PAINT	1.02	DOOR	B		BEIGE	SECOND	241b	Section B	Negative	< LOD	0.08	mg / cm ^2
1292	5/6/2017 10:05	PAINT	1.03	DOOR	B		BEIGE	SECOND	241b	Section B	Negative	< LOD	0.03	mg / cm ^2
1293	5/6/2017 10:05	PAINT	1.72	WALL	A		BEIGE	SECOND	241b	Section B	Negative	< LOD	0.03	mg / cm ^2
1294	5/6/2017 10:05	PAINT	2.4	WALL	B		BEIGE	SECOND	241b	Section B	Negative	< LOD	0.03	mg / cm ^2
1295	5/6/2017 10:05	PAINT	1.37	WALL	C		BEIGE	SECOND	241b	Section B	Null	< LOD	0.03	mg / cm ^2
1296	5/6/2017 10:06	PAINT	2.24	WALL	D		BEIGE	SECOND	241b	Section B	Negative	< LOD	0.03	mg / cm ^2
1297	5/6/2017 10:06	PAINT	1.03	BOOKCASE	C		BEIGE	SECOND	241b	Section B	Negative	< LOD	0.03	mg / cm ^2
1298	5/6/2017 10:08	PAINT	7.89	Calibration							Positive	1.1	0.1	mg / cm ^2
1299	5/6/2017 10:10	PAINT	19.96	Calibration							Positive	1	0.1	mg / cm ^2
1300	5/6/2017 10:11	PAINT	16.31	Calibration							Positive	1	0.1	mg / cm ^2
1301	5/6/2017 10:17	PAINT	2.57	WALL	A		BEIGE	SECOND	242	Section B	Negative	< LOD	0.03	mg / cm ^2
1302	5/6/2017 10:17	PAINT	2.05	WALL	B		BEIGE	SECOND	242	Section B	Negative	< LOD	0.03	mg / cm ^2
1303	5/6/2017 10:18	PAINT	2.75	WALL	C		BEIGE	SECOND	242	Section B	Negative	< LOD	0.03	mg / cm ^2
1304	5/6/2017 10:18	PAINT	3.1	WALL	D		BEIGE	SECOND	242	Section B	Negative	< LOD	0.03	mg / cm ^2
1305	5/6/2017 10:18	PAINT	1.02	WOODEN WALL	D		BEIGE	SECOND	242	Section B	Negative	< LOD	0.26	mg / cm ^2
1306	5/6/2017 10:19	PAINT	1.03	CABINETS	D		BEIGE	SECOND	242	Section B	Negative	< LOD	0.04	mg / cm ^2
1307	5/6/2017 10:19	PAINT	1.03	WINDOW	A		PINK	SECOND	242	Section B	Negative	< LOD	0.42	mg / cm ^2
1308	5/6/2017 10:19	PAINT	1.03	WINDOW	A		PINK	SECOND	242	Section B	Negative	< LOD	0.61	mg / cm ^2
1309	5/6/2017 10:20	PAINT	2.41	WINDOW	A		PINK	SECOND	242	Section B	Negative	< LOD	0.03	mg / cm ^2
1310	5/6/2017 10:20	PAINT	1.03	WINDOW	A		PINK	SECOND	242	Section B	Negative	< LOD	0.03	mg / cm ^2
1311	5/6/2017 10:20	PAINT	1.02	CABINETS	B		BEIGE	SECOND	242	Section B	Negative	< LOD	0.05	mg / cm ^2
1312	5/6/2017 10:20	PAINT	1.03	CABINETS	B		BEIGE	SECOND	242	Section B	Negative	< LOD	0.03	mg / cm ^2
1313	5/6/2017 10:22	PAINT	2.06	PAINTED WINDOW	A		BEIGE	SECOND	246	Section B	Negative	< LOD	0.03	mg / cm ^2
1314	5/6/2017 10:22	PAINT	1.72	WALL	B		BEIGE	SECOND	246	Section B	Negative	< LOD	0.03	mg / cm ^2
1315	5/6/2017 10:23	PAINT	1.03	WALL	B		BEIGE	SECOND	246	Section B	Negative	< LOD	0.03	mg / cm ^2
1316	5/6/2017 10:23	PAINT	0.69	WALL	B		BEIGE	SECOND	246	Section B	Null	< LOD	0.07	mg / cm ^2
1317	5/6/2017 10:23	PAINT	1.03	DOOR 2	B		BROWN	SECOND	246	Section B	Negative	< LOD	0.04	mg / cm ^2
1318	5/6/2017 10:23	PAINT	1.02	DOOR 2	B		BROWN	SECOND	246	Section B	Negative	< LOD	0.03	mg / cm ^2
1319	5/6/2017 10:24	PAINT	1.02	WALL	D		BLUE	SECOND	246a	Section B	Negative	< LOD	0.04	mg / cm ^2
1320	5/6/2017 10:24	PAINT	3.25	WALL	D		BEIGE	SECOND	246a	Section B	Negative	< LOD	0.08	mg / cm ^2
1321	5/6/2017 10:24	PAINT	3.24	WALL	A		BEIGE	SECOND	246a	Section B	Negative	< LOD	0.07	mg / cm ^2
1322	5/6/2017 10:25	PAINT	1.03	WALL	C		BEIGE	SECOND	246a	Section B	Negative	< LOD	0.04	mg / cm ^2
1323	5/6/2017 10:25	PAINT	1.04	WALL	A		BEIGE	SECOND	249	Section B	Negative	< LOD	0.03	mg / cm ^2

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XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1324	5/6/2017 10:25	PAINT	0.17	WINDOW	A		BEIGE	SECOND	249	Section B	Null	< LOD	0.11	mg / cm ^2
1325	5/6/2017 10:26	PAINT	2.4	WALL	B		BEIGE	SECOND	249	Section B	Negative	< LOD	0.03	mg / cm ^2
1326	5/6/2017 10:26	PAINT	1.89	WALL	C		BEIGE	SECOND	249	Section B	Negative	< LOD	0.03	mg / cm ^2
1327	5/6/2017 10:27	PAINT	1.54	WALL	D		BEIGE	SECOND	249	Section B	Negative	< LOD	0.03	mg / cm ^2
1328	5/6/2017 10:27	PAINT	1.02	CABINETS	B		BEIGE	SECOND	249	Section B	Negative	< LOD	0.04	mg / cm ^2
1329	5/6/2017 10:28	PAINT	1.03	CABINETS	B		BEIGE	SECOND	249	Section B	Negative	< LOD	0.04	mg / cm ^2
1330	5/6/2017 10:28	PAINT	1.03	WALL	C		BEIGE	SECOND	249	Section B	Negative	< LOD	0.04	mg / cm ^2
1331	5/6/2017 10:29	PAINT	3.09	WALL	A		BEIGE	SECOND	263	Section B	Negative	< LOD	0.07	mg / cm ^2
1332	5/6/2017 10:30	PAINT	3.25	WALL	B		BEIGE	SECOND	263	Section B	Negative	< LOD	0.04	mg / cm ^2
1333	5/6/2017 10:30	PAINT	3.25	WALL	C		BEIGE	SECOND	263	Section B	Negative	< LOD	0.09	mg / cm ^2
1334	5/6/2017 10:30	PAINT	3.25	WALL	D		BEIGE	SECOND	263	Section B	Negative	< LOD	0.11	mg / cm ^2
1335	5/6/2017 10:31	PAINT	1.03	SHELVES	D		BEIGE	SECOND	263	Section B	Negative	< LOD	0.05	mg / cm ^2
1336	5/6/2017 10:31	PAINT	1.03	WINDOW	C		BEIGE	SECOND	263	Section B	Negative	< LOD	0.24	mg / cm ^2
1337	5/6/2017 10:31	PAINT	1.03	WINDOW	C		BEIGE	SECOND	263	Section B	Negative	< LOD	0.15	mg / cm ^2
1338	5/6/2017 10:32	PAINT	3.26	WINDOW	C		BEIGE	SECOND	263	Section B	Negative	< LOD	0.38	mg / cm ^2
1339	5/6/2017 10:32	PAINT	3.08	DOOR	A		BROWN	SECOND	263	Section B	Negative	< LOD	0.12	mg / cm ^2
1340	5/6/2017 10:34	PAINT	18.5	DOOR	A		BROWN	SECOND	263	Section B	Negative	0.9	0.1	mg / cm ^2
1341	5/6/2017 10:34	PAINT	4.28	DOOR	A		BROWN	SECOND	263	Section B	Negative	0.8	0.2	mg / cm ^2
1342	5/6/2017 10:35	PAINT	3.26	WALL	B		GREEN	SECOND	263	Section B	Negative	< LOD	0.04	mg / cm ^2
1343	5/6/2017 10:35	PAINT	1.03	WALL	A		BEIGE	SECOND	243	Section B	Negative	< LOD	0.04	mg / cm ^2
1344	5/6/2017 10:35	PAINT	3.24	WALL	B		BEIGE	SECOND	243	Section B	Negative	< LOD	0.12	mg / cm ^2
1345	5/6/2017 10:36	PAINT	1.03	WALL	C		BEIGE	SECOND	243	Section B	Negative	< LOD	0.05	mg / cm ^2
1346	5/6/2017 10:36	PAINT	3.25	WALL	D		BEIGE	SECOND	243	Section B	Negative	< LOD	0.13	mg / cm ^2
1347	5/6/2017 10:36	PAINT	1.03	WINDOW	A		RED	SECOND	243	Section B	Negative	< LOD	0.04	mg / cm ^2
1348	5/6/2017 10:36	PAINT	0.86	WINDOW	A		BEIGE	SECOND	243	Section B	Null	< LOD	0.04	mg / cm ^2
1349	5/6/2017 10:37	PAINT	1.03	WINDOW	A		BEIGE	SECOND	243	Section B	Negative	< LOD	0.03	mg / cm ^2
1350	5/6/2017 10:37	PAINT	1.03	DOOR	D		BROWN	SECOND	243	Section B	Negative	< LOD	0.03	mg / cm ^2
1351	5/6/2017 10:37	PAINT	1.04	DOOR	D		BEIGE	SECOND	243	Section B	Negative	< LOD	0.09	mg / cm ^2
1352	5/6/2017 10:38	PAINT	1.02	CABINETS	D		BEIGE	SECOND	243	Section B	Negative	< LOD	0.04	mg / cm ^2
1353	5/6/2017 10:40	PAINT	1.54	WALL	A		BEIGE	SECOND	243a	Section B	Null	< LOD	0.07	mg / cm ^2
1354	5/6/2017 10:40	PAINT	3.25	WALL	B		BEIGE	SECOND	243a	Section B	Negative	< LOD	0.06	mg / cm ^2
1355	5/6/2017 10:41	PAINT	3.25	WALL	C		BEIGE	SECOND	243a	Section B	Negative	< LOD	0.03	mg / cm ^2
1356	5/6/2017 10:41	PAINT	2.4	WALL	D		BEIGE	SECOND	243a	Section B	Negative	< LOD	0.06	mg / cm ^2
1357	5/6/2017 10:41	PAINT	2.74	CEILING			PINK	SECOND	243a	Section B	Negative	< LOD	0.16	mg / cm ^2
1358	5/6/2017 10:42	PAINT	3.24	WALL	A		BEIGE	SECOND	244	Section B	Negative	< LOD	0.1	mg / cm ^2
1359	5/6/2017 10:43	PAINT	3.09	WALL	B		BEIGE	SECOND	244	Section B	Negative	< LOD	0.11	mg / cm ^2
1360	5/6/2017 10:43	PAINT	1.04	WALL	C		BEIGE	SECOND	244	Section B	Negative	< LOD	0.03	mg / cm ^2
1361	5/6/2017 10:43	PAINT	1.04	WALL	D		BEIGE	SECOND	244	Section B	Negative	< LOD	0.03	mg / cm ^2
1362	5/6/2017 10:44	PAINT	3.24	WALL	A		TAN	SECOND	244	Section B	Negative	< LOD	0.11	mg / cm ^2
1363	5/6/2017 10:44	PAINT	3.24	WALL	B		TAN	SECOND	244	Section B	Negative	< LOD	0.06	mg / cm ^2
1364	5/6/2017 10:44	PAINT	1.37	WALL	C		TAN	SECOND	244	Section B	Negative	< LOD	0.03	mg / cm ^2
1365	5/6/2017 10:44	PAINT	1.36	WALL	D		TAN	SECOND	244	Section B	Negative	< LOD	0.03	mg / cm ^2
1366	5/6/2017 10:45	PAINT	1.38	WALL	A		BEIGE	SECOND	245	Section B	Negative	< LOD	0.03	mg / cm ^2
1367	5/6/2017 10:45	PAINT	3.07	WALL	B		BEIGE	SECOND	245	Section B	Negative	< LOD	0.18	mg / cm ^2
1368	5/6/2017 10:46	PAINT	1.55	WALL	C		BEIGE	SECOND	245	Section B	Negative	< LOD	0.03	mg / cm ^2
1369	5/6/2017 10:46	PAINT	1.21	WALL	D		BEIGE	SECOND	245	Section B	Negative	< LOD	0.03	mg / cm ^2
1370	5/6/2017 10:47	PAINT	3.25	WALL	A		BEIGE	SECOND	247	Section B	Negative	0.09	0.06	mg / cm ^2
1371	5/6/2017 10:47	PAINT	1.9	WALL	B		BEIGE	SECOND	247	Section B	Negative	< LOD	0.03	mg / cm ^2
1372	5/6/2017 10:47	PAINT	2.06	WALL	C		BEIGE	SECOND	247	Section B	Null	< LOD	0.23	mg / cm ^2
1373	5/6/2017 10:47	PAINT	1.21	WALL	D		BEIGE	SECOND	247	Section B	Negative	< LOD	0.03	mg / cm ^2
1374	5/6/2017 10:48	PAINT	1.03	CABINETS	C		BEIGE	SECOND	247	Section B	Negative	< LOD	0.24	mg / cm ^2
1375	5/6/2017 10:48	PAINT	1.02	CABINETS	C		BEIGE	SECOND	247	Section B	Negative	< LOD	0.09	mg / cm ^2
1376	5/6/2017 10:48	PAINT	1.03	CABINETS	D		BEIGE	SECOND	247	Section B	Negative	< LOD	0.05	mg / cm ^2
1377	5/6/2017 10:49	PAINT	3.25	WALL	A		BEIGE	SECOND	248	Section B	Negative	< LOD	0.08	mg / cm ^2
1378	5/6/2017 10:49	PAINT	2.56	WALL	B		BEIGE	SECOND	248	Section B	Negative	< LOD	0.19	mg / cm ^2
1379	5/6/2017 10:50	PAINT	3.25	WALL	C		BEIGE	SECOND	248	Section B	Negative	< LOD	0.07	mg / cm ^2
1380	5/6/2017 10:50	PAINT	3.26	WALL	D		BEIGE	SECOND	248	Section B	Negative	< LOD	0.05	mg / cm ^2
1381	5/6/2017 10:50	PAINT	1.03	CABINETS	C		BEIGE	SECOND	248	Section B	Negative	< LOD	0.15	mg / cm ^2
1382	5/6/2017 10:50	PAINT	1.03	CABINETS	D		BEIGE	SECOND	248	Section B	Negative	< LOD	0.05	mg / cm ^2
1383	5/6/2017 10:59	SHUTTER CAL	154.73	Calibration								2.32	0	cps
1384	5/6/2017 11:01	PAINT	18.39	Calibration				SECOND			Positive	1	0.1	mg / cm ^2

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XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1385	5/6/2017 11:02	PAINT	11.69	Calibration				SECOND			Positive	1	0.1	mg / cm ^2
1386	5/6/2017 11:02	PAINT	8.07	Calibration				SECOND			Positive	1.1	0.1	mg / cm ^2
1387	5/6/2017 11:11	PAINT	1.89	WALL	A		BEIGE	SECOND	250	Section B	Null	< LOD	0.03	mg / cm ^2
1388	5/6/2017 11:11	PAINT	2.76	WALL	B		BEIGE	SECOND	250	Section B	Negative	< LOD	0.03	mg / cm ^2
1389	5/6/2017 11:12	PAINT	3.09	WALL	C		BEIGE	SECOND	250	Section B	Negative	< LOD	0.03	mg / cm ^2
1390	5/6/2017 11:12	PAINT	3.26	WALL	D		BEIGE	SECOND	250	Section B	Negative	< LOD	0.03	mg / cm ^2
1391	5/6/2017 11:12	PAINT	1.03	CABINETS	A		BEIGE	SECOND	250	Section B	Negative	< LOD	0.04	mg / cm ^2
1392	5/6/2017 11:12	PAINT	1.03	CABINETS	C		BEIGE	SECOND	250	Section B	Negative	< LOD	0.18	mg / cm ^2
1393	5/6/2017 11:13	PAINT	1.03	CABINETS	C		BEIGE	SECOND	250	Section B	Negative	< LOD	0.6	mg / cm ^2
1394	5/6/2017 11:13	PAINT	1.02	CABINETS	B		TAN	SECOND	250	Section B	Negative	< LOD	0.22	mg / cm ^2
1395	5/6/2017 11:13	PAINT	1.02	CABINETS	B		BEIGE	SECOND	250	Section B	Negative	< LOD	0.05	mg / cm ^2
1396	5/6/2017 11:14	PAINT	1.03	CABINETS	B		BEIGE	SECOND	250	Section B	Negative	< LOD	0.59	mg / cm ^2
1397	5/6/2017 11:14	PAINT	1.03	CABINETS	B		BEIGE	SECOND	250	Section B	Negative	< LOD	0.24	mg / cm ^2
1398	5/6/2017 11:15	PAINT	2.05	WALL	A		BEIGE	SECOND	251	Section B	Negative	< LOD	0.33	mg / cm ^2
1399	5/6/2017 11:15	PAINT	3.07	WALL	B		BEIGE	SECOND	251	Section B	Negative	< LOD	0.08	mg / cm ^2
1400	5/6/2017 11:15	PAINT	1.02	WALL	C		BEIGE	SECOND	251	Section B	Negative	< LOD	0.03	mg / cm ^2
1401	5/6/2017 11:15	PAINT	2.91	WALL	D		BEIGE	SECOND	251	Section B	Negative	< LOD	0.2	mg / cm ^2
1402	5/6/2017 11:16	PAINT	1.19	WALL	A		BEIGE	SECOND	253	Section B	Negative	< LOD	0.03	mg / cm ^2
1403	5/6/2017 11:16	PAINT	2.4	WALL	B		BEIGE	SECOND	253	Section B	Negative	< LOD	0.03	mg / cm ^2
1404	5/6/2017 11:17	PAINT	2.75	WALL	C		BEIGE	SECOND	253	Section B	Negative	< LOD	0.03	mg / cm ^2
1405	5/6/2017 11:17	PAINT	2.75	WALL	D		BEIGE	SECOND	253	Section B	Negative	< LOD	0.05	mg / cm ^2
1406	5/6/2017 11:18	PAINT	1.02	DOOR	A		BROWN	SECOND	253	Section B	Negative	< LOD	0.05	mg / cm ^2
1407	5/6/2017 11:18	PAINT	1.03	DOOR	A		BROWN	SECOND	253	Section B	Negative	< LOD	0.04	mg / cm ^2
1408	5/6/2017 11:19	PAINT	1.02	WALL	A		BROWN	SECOND	254	Section B	Negative	< LOD	0.04	mg / cm ^2
1409	5/6/2017 11:19	PAINT	2.58	WALL	B		BEIGE	SECOND	254	Section B	Negative	< LOD	0.03	mg / cm ^2
1410	5/6/2017 11:19	PAINT	1.55	WALL	C		BEIGE	SECOND	254	Section B	Negative	< LOD	0.03	mg / cm ^2
1411	5/6/2017 11:20	PAINT	0.17	WALL	D		BEIGE	SECOND	254	Section B	Null	< LOD	0.03	mg / cm ^2
1412	5/6/2017 11:20	PAINT	1.03	STALL	D		BROWN	SECOND	254	Section B	Negative	< LOD	0.03	mg / cm ^2
1413	5/6/2017 11:20	PAINT	1.02	STALL	D		BROWN	SECOND	254	Section B	Negative	< LOD	0.04	mg / cm ^2
1414	5/6/2017 11:20	PAINT	1.02	STALL	D		BROWN	SECOND	254	Section B	Negative	< LOD	0.04	mg / cm ^2
1415	5/6/2017 11:21	PAINT	1.03	URINAL	D		BROWN	SECOND	254	Section B	Negative	< LOD	0.05	mg / cm ^2
1416	5/6/2017 11:21	PAINT	1.03	DOOR	C		BROWN	SECOND	254	Section B	Negative	< LOD	0.03	mg / cm ^2
1417	5/6/2017 11:21	PAINT	1.03	DOOR	C		BROWN	SECOND	254	Section B	Negative	< LOD	0.03	mg / cm ^2
1418	5/6/2017 11:22	PAINT	1.03	WALL	A		BROWN	SECOND	255	Section B	Negative	< LOD	0.05	mg / cm ^2
1419	5/6/2017 11:22	PAINT	1.02	WALL	B		BEIGE	SECOND	255	Section B	Negative	< LOD	0.03	mg / cm ^2
1420	5/6/2017 11:22	PAINT	1.72	WALL	C		BEIGE	SECOND	255	Section B	Negative	< LOD	0.03	mg / cm ^2
1421	5/6/2017 11:23	PAINT	2.07	WALL	D		BEIGE	SECOND	255	Section B	Negative	< LOD	0.03	mg / cm ^2
1422	5/6/2017 11:23	PAINT	1.03	STALL	B		BROWN	SECOND	255	Section B	Negative	< LOD	0.05	mg / cm ^2
1423	5/6/2017 11:23	PAINT	1.03	STALL	B		BROWN	SECOND	255	Section B	Negative	< LOD	0.03	mg / cm ^2
1424	5/6/2017 11:23	PAINT	1.02	STALL	B		BROWN	SECOND	255	Section B	Negative	< LOD	0.03	mg / cm ^2
1425	5/6/2017 11:24	PAINT	1.03	LOCKERS	D		BEIGE	SECOND	255	Section B	Negative	< LOD	0.11	mg / cm ^2
1426	5/6/2017 11:24	PAINT	1.04	DOOR	C		BROWN	SECOND	255	Section B	Negative	< LOD	0.05	mg / cm ^2
1427	5/6/2017 11:24	PAINT	1.02	DOOR	B		BROWN	SECOND	255	Section B	Negative	< LOD	0.04	mg / cm ^2
1428	5/6/2017 11:25	PAINT	1.36	WALL	A		BEIGE	SECOND	256	Section B	Negative	< LOD	0.03	mg / cm ^2
1429	5/6/2017 11:25	PAINT	1.04	WALL	B		BEIGE	SECOND	256	Section B	Negative	< LOD	0.03	mg / cm ^2
1430	5/6/2017 11:25	PAINT	1.02	WALL	C		BROWN	SECOND	256	Section B	Negative	< LOD	0.03	mg / cm ^2
1431	5/6/2017 11:25	PAINT	1.03	WALL	D		BEIGE	SECOND	256	Section B	Negative	< LOD	0.04	mg / cm ^2
1432	5/6/2017 11:26	PAINT	0.51	WALL	D		GRAY	SECOND	256	Section B	Null	< LOD	0.06	mg / cm ^2
1433	5/6/2017 11:26	PAINT	1.03	WALL	A		BROWN	SECOND	257	Section B	Negative	< LOD	0.04	mg / cm ^2
1434	5/6/2017 11:27	PAINT	1.04	WALL	B		BEIGE	SECOND	257	Section B	Negative	< LOD	0.03	mg / cm ^2
1435	5/6/2017 11:27	PAINT	1.9	WALL	C		BEIGE	SECOND	257	Section B	Negative	< LOD	0.03	mg / cm ^2
1436	5/6/2017 11:27	PAINT	1.2	WALL	D		BEIGE	SECOND	257	Section B	Negative	< LOD	0.03	mg / cm ^2
1437	5/6/2017 11:28	PAINT	1.03	WALL	C		BROWN	SECOND	257	Section B	Negative	< LOD	0.06	mg / cm ^2
1438	5/6/2017 11:28	PAINT	1.03	WALL	D		BROWN	SECOND	257	Section B	Negative	< LOD	0.04	mg / cm ^2
1439	5/6/2017 11:29	PAINT	1.55	WALL	A		BEIGE	SECOND	258	Section B	Negative	< LOD	0.03	mg / cm ^2
1440	5/6/2017 11:29	PAINT	1.2	WALL	B		BEIGE	SECOND	258	Section B	Negative	< LOD	0.08	mg / cm ^2
1441	5/6/2017 11:30	PAINT	2.75	WALL	C		BEIGE	SECOND	258	Section B	Negative	< LOD	0.03	mg / cm ^2
1442	5/6/2017 11:30	PAINT	1.53	WALL	D		BEIGE	SECOND	258	Section B	Negative	< LOD	0.03	mg / cm ^2
1443	5/6/2017 11:31	PAINT	1.02	TRIM	D		BEIGE	SECOND	258	Section B	Negative	< LOD	0.03	mg / cm ^2
1444	5/6/2017 11:31	PAINT	1.03	TRIM	D		BEIGE	SECOND	258	Section B	Negative	< LOD	0.03	mg / cm ^2
1445	5/6/2017 11:31	PAINT	1.03	TRIM	D		BROWN	SECOND	258	Section B	Negative	< LOD	0.04	mg / cm ^2

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XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1446	5/6/2017 11:32	PAINT	1.03	DOOR	A		BEIGE	SECOND	258	Section B	Negative	< LOD	0.03	mg / cm ^2
1447	5/6/2017 11:32	PAINT	1.02	DOOR	A		WHITE	SECOND	258	Section B	Negative	< LOD	0.12	mg / cm ^2
1448	5/6/2017 11:33	PAINT	1.54	WALL	A		BEIGE	SECOND	259	Section B	Null	< LOD	0.03	mg / cm ^2
1449	5/6/2017 11:33	PAINT	1.72	WALL	B		BEIGE	SECOND	259	Section B	Negative	< LOD	0.03	mg / cm ^2
1450	5/6/2017 11:33	PAINT	1.88	WALL	C		BEIGE	SECOND	259	Section B	Negative	< LOD	0.03	mg / cm ^2
1451	5/6/2017 11:34	PAINT	1.21	WALL	D		BEIGE	SECOND	259	Section B	Negative	< LOD	0.03	mg / cm ^2
1452	5/6/2017 11:34	PAINT	1.03	DOOR	C		BLACK	SECOND	259	Section B	Negative	< LOD	0.04	mg / cm ^2
1453	5/6/2017 11:34	PAINT	1.03	DOOR	C		BLACK	SECOND	259	Section B	Negative	< LOD	0.18	mg / cm ^2
1454	5/6/2017 11:34	PAINT	1.03	DOOR	D		BROWN	SECOND	259a	Section B	Negative	< LOD	0.03	mg / cm ^2
1455	5/6/2017 11:34	PAINT	1.03	DOOR	D		BROWN	SECOND	259a	Section B	Negative	< LOD	0.04	mg / cm ^2
1456	5/6/2017 11:35	PAINT	1.03	WALL	A		BROWN	SECOND	259a	Section B	Negative	< LOD	0.05	mg / cm ^2
1457	5/6/2017 11:35	PAINT	1.04	WALL	B		BEIGE	SECOND	259a	Section B	Negative	< LOD	0.03	mg / cm ^2
1458	5/6/2017 11:35	PAINT	1.19	WALL	C		BEIGE	SECOND	259a	Section B	Negative	< LOD	0.03	mg / cm ^2
1459	5/6/2017 11:35	PAINT	0.35	WALL	D		BEIGE	SECOND	259a	Section B	Null	< LOD	0.08	mg / cm ^2
1460	5/6/2017 11:36	PAINT	1.02	DOOR	C		BLACK	SECOND	259a	Section B	Negative	< LOD	0.03	mg / cm ^2
1461	5/6/2017 11:36	PAINT	1.72	CLOSET WALL	D		BEIGE	SECOND	259b	Section B	Negative	< LOD	0.03	mg / cm ^2
1462	5/6/2017 11:37	PAINT	1.03	DOOR	C		BROWN	SECOND	259b	Section B	Negative	< LOD	0.03	mg / cm ^2
1463	5/6/2017 11:37	PAINT	1.03	DOOR	C		BROWN	SECOND	259b	Section B	Negative	< LOD	0.03	mg / cm ^2
1464	5/6/2017 11:37	PAINT	1.03	WALL	A		BROWN	SECOND	260	Section B	Negative	< LOD	0.03	mg / cm ^2
1465	5/6/2017 11:38	PAINT	2.24	WALL	B		BEIGE	SECOND	260	Section B	Negative	< LOD	0.03	mg / cm ^2
1466	5/6/2017 11:38	PAINT	1.2	WALL	C		BEIGE	SECOND	260	Section B	Negative	< LOD	0.03	mg / cm ^2
1467	5/6/2017 11:38	PAINT	1.37	WALL	D		BEIGE	SECOND	260	Section B	Negative	< LOD	0.03	mg / cm ^2
1468	5/6/2017 11:38	PAINT	1.04	DOOR	D		BROWN	SECOND	260	Section B	Negative	< LOD	0.03	mg / cm ^2
1469	5/6/2017 11:38	PAINT	1.02	DOOR	D		BROWN	SECOND	260	Section B	Negative	< LOD	0.03	mg / cm ^2
1470	5/6/2017 11:39	PAINT	1.2	RESTROOM DOOR	C		BROWN	SECOND	260	Section B	Negative	< LOD	0.03	mg / cm ^2
1471	5/6/2017 11:39	PAINT	1.02	RESTROOM DOOR	C		BROWN	SECOND	260	Section B	Negative	< LOD	0.04	mg / cm ^2
1472	5/6/2017 11:39	PAINT	1.88	WALL	B		BEIGE	SECOND	260	Section B	Negative	< LOD	0.03	mg / cm ^2
1473	5/6/2017 11:39	PAINT	1.72	WALL	C		BEIGE	SECOND	260	Section B	Negative	< LOD	0.03	mg / cm ^2
1474	5/6/2017 11:40	PAINT	1.37	WALL	D		BEIGE	SECOND	260	Section B	Null	< LOD	0.03	mg / cm ^2
1475	5/6/2017 11:40	PAINT	1.37	WALL	A		BEIGE	SECOND	261	Section B	Negative	< LOD	0.03	mg / cm ^2
1476	5/6/2017 11:41	PAINT	1.55	WALL	B		BEIGE	SECOND	261	Section B	Negative	< LOD	0.03	mg / cm ^2
1477	5/6/2017 11:41	PAINT	2.4	WALL	C		BEIGE	SECOND	261	Section B	Negative	< LOD	0.03	mg / cm ^2
1478	5/6/2017 11:41	PAINT	1.88	WALL	D		BEIGE	SECOND	261	Section B	Negative	< LOD	0.03	mg / cm ^2
1479	5/6/2017 11:41	PAINT	1.02	CABINETS	B		BEIGE	SECOND	261	Section B	Negative	< LOD	0.07	mg / cm ^2
1480	5/6/2017 11:41	PAINT	1.03	CABINETS	B		BEIGE	SECOND	261	Section B	Negative	< LOD	0.14	mg / cm ^2
1481	5/6/2017 11:42	PAINT	1.03	BOARD	B		BEIGE	SECOND	261	Section B	Negative	< LOD	0.69	mg / cm ^2
1482	5/6/2017 11:42	PAINT	1.03	DOOR	A		BEIGE	SECOND	261	Section B	Negative	< LOD	0.11	mg / cm ^2
1483	5/6/2017 11:42	PAINT	1.03	DOOR	A		BEIGE	SECOND	261	Section B	Negative	< LOD	0.05	mg / cm ^2
1484	5/6/2017 11:43	PAINT	1.03	WALL	A		BEIGE	SECOND	262	Section B	Null	< LOD	0.03	mg / cm ^2
1485	5/6/2017 11:43	PAINT	1.38	WALL	B		BEIGE	SECOND	262	Section B	Negative	< LOD	0.03	mg / cm ^2
1486	5/6/2017 11:43	PAINT	1.37	WALL	C		BEIGE	SECOND	262	Section B	Negative	< LOD	0.03	mg / cm ^2
1487	5/6/2017 11:44	PAINT	1.03	WALL	D		BEIGE	SECOND	262	Section B	Negative	< LOD	0.03	mg / cm ^2
1488	5/6/2017 11:44	PAINT	1.02	DOOR	D		BROWN	SECOND	262	Section B	Negative	< LOD	0.03	mg / cm ^2
1489	5/6/2017 11:44	PAINT	1.02	DOOR	D		BROWN	SECOND	262	Section B	Negative	< LOD	0.05	mg / cm ^2
1490	5/6/2017 11:45	PAINT	1.03	DOOR	D		BEIGE	SECOND	262	Section B	Negative	< LOD	0.04	mg / cm ^2
1491	5/6/2017 11:45	PAINT	1.03	DOOR	B		BEIGE	SECOND	262	Section B	Negative	< LOD	0.28	mg / cm ^2
1492	5/6/2017 11:45	PAINT	1.03	DOOR	B		BEIGE	SECOND	262	Section B	Negative	< LOD	0.35	mg / cm ^2
1493	5/6/2017 11:46	PAINT	1.03	DOOR	B		BEIGE	SECOND	262	Section B	Negative	< LOD	0.36	mg / cm ^2
1494	5/6/2017 11:46	PAINT	1.37	WALL	A		BEIGE	SECOND	262a	Section B	Negative	< LOD	0.03	mg / cm ^2
1495	5/6/2017 11:47	PAINT	1.88	WALL	B		BEIGE	SECOND	262a	Section B	Negative	< LOD	0.03	mg / cm ^2
1496	5/6/2017 11:47	PAINT	1.54	WALL	C		BEIGE	SECOND	262a	Section B	Null	< LOD	0.03	mg / cm ^2
1497	5/6/2017 11:47	PAINT	1.54	WALL	D		BEIGE	SECOND	262a	Section B	Null	< LOD	0.03	mg / cm ^2
1498	5/6/2017 11:47	PAINT	1.02	CABINETS	A		BEIGE	SECOND	262a	Section B	Negative	< LOD	0.35	mg / cm ^2
1499	5/6/2017 11:48	PAINT	1.02	CABINETS	A		BEIGE	SECOND	262a	Section B	Negative	< LOD	0.65	mg / cm ^2
1500	5/6/2017 11:48	PAINT	1.02	CABINETS	A		BEIGE	SECOND	262a	Section B	Negative	< LOD	0.41	mg / cm ^2
1501	5/6/2017 11:48	PAINT	2.06	WALL TRIM	A		BEIGE	SECOND	262a	Section B	Negative	< LOD	0.03	mg / cm ^2
1502	5/6/2017 11:49	PAINT	1.02	WINDOW	B		BROWN	SECOND	262a	Section B	Negative	< LOD	0.04	mg / cm ^2
1503	5/6/2017 11:49	PAINT	1.04	WINDOW	B		BROWN	SECOND	262a	Section B	Negative	< LOD	0.03	mg / cm ^2
1504	5/6/2017 11:50	PAINT	2.22	BRICKS	B		BEIGE	SECOND	Elevator by 264	Section B	Negative	< LOD	0.03	mg / cm ^2
1505	5/6/2017 11:50	PAINT	1.02	DOOR	B		BROWN	SECOND	Elevator by 264	Section B	Negative	< LOD	0.28	mg / cm ^2
1506	5/6/2017 11:50	PAINT	1.02	DOOR	B		BROWN	SECOND	Elevator by 264	Section B	Negative	< LOD	0.75	mg / cm ^2

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XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1507	5/6/2017 11:50	PAINT	0.17	DOOR	B		BEIGE	SECOND	Elevator by 264	Section B	Null	< LOD	0.16	mg / cm ^2
1508	5/6/2017 11:50	PAINT	1.88	WALL	D		BEIGE	SECOND	Elevator by 264	Section B	Negative	< LOD	0.03	mg / cm ^2
1509	5/6/2017 11:50	PAINT	1.03	WINDOW	D		BROWN	SECOND	Elevator by 264	Section B	Negative	< LOD	0.05	mg / cm ^2
1510	5/6/2017 11:51	PAINT	1.03	WINDOW	D		BROWN	SECOND	Elevator by 264	Section B	Negative	< LOD	0.03	mg / cm ^2
1511	5/6/2017 11:51	PAINT	1.03	ELEVATOR	B		BLUE	SECOND	Elevator by 264	Section B	Negative	< LOD	0.06	mg / cm ^2
1512	5/6/2017 11:51	PAINT	1.9	WALL	A		WHITE	SECOND	264	Section B	Negative	< LOD	0.03	mg / cm ^2
1513	5/6/2017 11:52	PAINT	3.27	WALL	B		WHITE	SECOND	264	Section B	Negative	< LOD	0.03	mg / cm ^2
1514	5/6/2017 11:52	PAINT	1.38	WALL	C		WHITE	SECOND	264	Section B	Null	< LOD	0.03	mg / cm ^2
1515	5/6/2017 11:52	PAINT	2.92	WALL	D		WHITE	SECOND	264	Section B	Negative	< LOD	0.03	mg / cm ^2
1516	5/6/2017 11:52	PAINT	1.71	POWER POLE	B		WHITE	SECOND	264	Section B	Negative	< LOD	0.03	mg / cm ^2
1517	5/6/2017 11:53	PAINT	1.02	POWER POLE	B		WHITE	SECOND	264	Section B	Negative	< LOD	0.03	mg / cm ^2
1518	5/6/2017 11:54	PAINT	1.02	WALL	A		BEIGE	SECOND	Hallway (254-262)	Section B	Negative	< LOD	0.03	mg / cm ^2
1519	5/6/2017 11:54	PAINT	1.72	WALL	B		BEIGE	SECOND	Hallway (254-262)	Section B	Negative	< LOD	0.03	mg / cm ^2
1520	5/6/2017 11:54	PAINT	1.03	WALL	C		BEIGE	SECOND	Hallway (254-262)	Section B	Negative	< LOD	0.03	mg / cm ^2
1521	5/6/2017 11:55	PAINT	0.52	WALL	D		BEIGE	SECOND	Hallway (254-262)	Section B	Null	< LOD	0.65	mg / cm ^2
1522	5/6/2017 11:55	PAINT	1.03	TRIM	C		BEIGE	SECOND	Hallway (254-262)	Section B	Negative	< LOD	0.03	mg / cm ^2
1523	5/6/2017 11:55	PAINT	1.02	TRIM	C		BROWN	SECOND	Hallway (254-262)	Section B	Negative	< LOD	0.04	mg / cm ^2
1524	5/6/2017 11:55	PAINT	1.03	TRIM	B		BEIGE	SECOND	Hallway (254-262)	Section B	Negative	< LOD	0.08	mg / cm ^2
1525	5/6/2017 11:56	PAINT	1.03	DOOR (259a)	A		BROWN	SECOND	Hallway (254-262)	Section B	Negative	< LOD	0.03	mg / cm ^2
1526	5/6/2017 11:56	PAINT	1.03	DOOR (259a)	A		BROWN	SECOND	Hallway (254-262)	Section B	Negative	< LOD	0.04	mg / cm ^2
1527	5/6/2017 11:56	PAINT	1.03	DOOR (256a)	C		BROWN	SECOND	Hallway (254-262)	Section B	Negative	< LOD	0.04	mg / cm ^2
1528	5/6/2017 11:56	PAINT	1.03	DOOR (256a)	C		BROWN	SECOND	Hallway (254-262)	Section B	Negative	< LOD	0.04	mg / cm ^2
1529	5/6/2017 11:57	PAINT	1.72	WALL	A		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.03	mg / cm ^2
1530	5/6/2017 11:58	PAINT	1.88	WALL	B		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.03	mg / cm ^2
1531	5/6/2017 11:58	PAINT	1.55	WALL	C		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.03	mg / cm ^2
1532	5/6/2017 11:58	PAINT	3.25	WALL	D		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.03	mg / cm ^2
1533	5/6/2017 11:58	PAINT	1.03	EXIT DOOR	A		BROWN	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.04	mg / cm ^2
1534	5/6/2017 11:58	PAINT	1.03	EXIT DOOR	A		BROWN	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.03	mg / cm ^2
1535	5/6/2017 11:59	PAINT	1.04	DOOR (246)	A		BROWN	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.04	mg / cm ^2
1536	5/6/2017 11:59	PAINT	1.02	DOOR (246)	A		BROWN	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.04	mg / cm ^2
1537	5/6/2017 11:59	PAINT	1.04	DOOR (246)	A		BROWN	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.04	mg / cm ^2
1538	5/6/2017 11:59	PAINT	1.03	DOOR (249)	A		BROWN	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.04	mg / cm ^2
1539	5/6/2017 12:00	PAINT	1.03	DOOR (249)	A		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.04	mg / cm ^2
1540	5/6/2017 12:00	PAINT	1.02	DOOR (250)	A		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.03	mg / cm ^2
1541	5/6/2017 12:00	PAINT	1.03	WALL	A		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.57	mg / cm ^2
1542	5/6/2017 12:01	PAINT	1.72	WALL	B		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.03	mg / cm ^2
1543	5/6/2017 12:01	PAINT	1.37	WALL	C		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.03	mg / cm ^2
1544	5/6/2017 12:01	PAINT	1.03	WALL	D		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.12	mg / cm ^2
1545	5/6/2017 12:01	PAINT	1.72	HANDRAIL			BROWN	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.03	mg / cm ^2
1546	5/6/2017 12:01	PAINT	1.03	HANDRAIL BASE	A		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.03	mg / cm ^2
1547	5/6/2017 12:02	PAINT	1.03	METAL BAR	C		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.15	mg / cm ^2
1548	5/6/2017 12:02	PAINT	1.03	ELEVATOR DOOR	C		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.03	mg / cm ^2
1549	5/6/2017 12:02	PAINT	1.03	ELEVATOR DOOR	C		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.45	mg / cm ^2
1550	5/6/2017 12:02	PAINT	1.03	METAL BAR	C		BEIGE	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.46	mg / cm ^2
1551	5/6/2017 12:03	PAINT	6.32	PIPES	B		BEIGE	SECOND	Carpet Hallway	Section B	Positive	1.4	0.4	mg / cm ^2
1552	5/6/2017 12:04	PAINT	7.85	PIPES	B		BEIGE	SECOND	Carpet Hallway	Section B	Positive	1.8	0.5	mg / cm ^2
1553	5/6/2017 12:06	PAINT	3.76	PIPES	B		PINK	SECOND	Carpet Hallway	Section B	Negative	0.7	0.2	mg / cm ^2
1554	5/6/2017 12:08	PAINT	1.2	DOOR (263)	C		BROWN	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.6	mg / cm ^2
1555	5/6/2017 12:08	PAINT	1.04	DOOR (263)	C		BROWN	SECOND	Carpet Hallway	Section B	Negative	< LOD	0.04	mg / cm ^2
1556	5/6/2017 12:18	PAINT	5.65	Calibration				SECOND			Negative	0.9	0.1	mg / cm ^2
1557	5/6/2017 12:18	PAINT	4.81	Calibration				SECOND			Positive	1.1	0.1	mg / cm ^2
1558	5/6/2017 12:18	PAINT	1.88	Calibration				SECOND			Positive	1.2	0.3	mg / cm ^2
1559	5/8/2017 08:28	SHUTTER CAL	154.7									2.39	0	cps
1560	5/8/2017 08:36	PAINT	8.24	Calibration							Positive	1.1	0.1	mg / cm ^2
1561	5/8/2017 08:37	PAINT	7.53	Calibration							Positive	1.1	0.1	mg / cm ^2
1562	5/8/2017 08:37	PAINT	5.5	Calibration							Negative	0.9	0.1	mg / cm ^2
1720	5/8/2017 10:13	PAINT	10.45	Calibration	D	INTACT	GREEN	THIRD	310	Section B	Positive	1.1	0.1	mg / cm ^2
1721	5/8/2017 10:14	PAINT	4.63	Calibration	D	INTACT	GREEN	THIRD	310	Section B	Positive	1	0.1	mg / cm ^2
1722	5/8/2017 10:14	PAINT	1.87	Calibration	D	INTACT	GREEN	THIRD	310	Section B	Positive	1.1	0.3	mg / cm ^2
1723	5/8/2017 10:14	PAINT	1.89	Calibration	D	INTACT	GREEN	THIRD	310	Section B	Negative	0.9	0.3	mg / cm ^2
1744	5/8/2017 10:50	PAINT	1.88	TRIM	A	INTACT	BEIGE	disbatch	001&001a	Section B	Negative	< LOD	0.03	mg / cm ^2

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XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1745	5/8/2017 10:50	PAINT	1.54	TRIM	B	INTACT	BEIGE	disbatch	001&001a	Section B	Negative	< LOD	0.03	mg / cm ^2
1746	5/8/2017 10:50	PAINT	2.05	TRIM	C	INTACT	BEIGE	disbatch	001&001a	Section B	Negative	< LOD	0.03	mg / cm ^2
1747	5/8/2017 10:51	PAINT	2.56	TRIM	D	INTACT	BEIGE	disbatch	001&001a	Section B	Negative	< LOD	0.03	mg / cm ^2
1748	5/8/2017 10:51	PAINT	1.02	CEILING	A	INTACT	blkx	disbatch	001&001a	Section B	Negative	< LOD	0.03	mg / cm ^2
1749	5/8/2017 10:52	PAINT	1.19	DOOR	C	INTACT	BROWN	disbatch	001&001a	Section B	Negative	< LOD	0.04	mg / cm ^2
1750	5/8/2017 10:52	PAINT	1.03	DOOR	C	INTACT	BROWN	disbatch	001&001a	Section B	Negative	< LOD	0.03	mg / cm ^2
1751	5/8/2017 10:54	PAINT	1.03	WALL	A	INTACT	BEIGE	disbatch	2	Section B	Negative	< LOD	0.14	mg / cm ^2
1752	5/8/2017 10:54	PAINT	0.17	WALL	B	INTACT	BEIGE	disbatch	2	Section B	Null	< LOD	0.03	mg / cm ^2
1753	5/8/2017 10:54	PAINT	1.88	WALL	C	INTACT	BEIGE	disbatch	2	Section B	Negative	< LOD	0.03	mg / cm ^2
1754	5/8/2017 10:54	PAINT	1.53	WALL	D	INTACT	BEIGE	disbatch	2	Section B	Negative	< LOD	0.03	mg / cm ^2
1755	5/8/2017 10:56	PAINT	1.88	WALL	A	INTACT	BEIGE	disbatch	3	Section B	Negative	< LOD	0.03	mg / cm ^2
1756	5/8/2017 10:56	PAINT	0.35	WALL	B	INTACT	BEIGE	disbatch	3	Section B	Null	< LOD	0.03	mg / cm ^2
1757	5/8/2017 10:56	PAINT	1.2	WALL	C	INTACT	BEIGE	disbatch	3	Section B	Negative	< LOD	0.03	mg / cm ^2
1758	5/8/2017 10:56	PAINT	2.05	WALL	D	INTACT	BEIGE	disbatch	3	Section B	Negative	< LOD	0.08	mg / cm ^2
1759	5/8/2017 10:57	PAINT	1.87	WALL	A	INTACT	BEIGE	disbatch	4	Section B	Negative	< LOD	0.03	mg / cm ^2
1760	5/8/2017 10:57	PAINT	2.06	WALL	B	INTACT	BEIGE	disbatch	4	Section B	Negative	< LOD	0.03	mg / cm ^2
1761	5/8/2017 10:57	PAINT	1.54	WALL	C	INTACT	BEIGE	disbatch	4	Section B	Negative	< LOD	0.03	mg / cm ^2
1762	5/8/2017 10:57	PAINT	1.54	WALL	D	INTACT	BEIGE	disbatch	4	Section B	Negative	< LOD	0.03	mg / cm ^2
1763	5/8/2017 10:59	PAINT	1.02	WALL	A	INTACT	BEIGE	disbatch	006&006a	Section B	Negative	< LOD	0.03	mg / cm ^2
1764	5/8/2017 11:00	PAINT	2.05	WALL	B	INTACT	BEIGE	disbatch	006&006a	Section B	Negative	< LOD	0.03	mg / cm ^2
1765	5/8/2017 11:00	PAINT	1.7	WALL	C	INTACT	BEIGE	disbatch	006&006a	Section B	Negative	< LOD	0.03	mg / cm ^2
1766	5/8/2017 11:00	PAINT	1.37	WALL	D	INTACT	BEIGE	disbatch	006&006a	Section B	Negative	< LOD	0.03	mg / cm ^2
1767	5/8/2017 11:01	PAINT	1.04	WINDOW	B	INTACT	BROWN	disbatch	006&006a	Section B	Negative	< LOD	0.03	mg / cm ^2
1768	5/8/2017 11:01	PAINT	1.02	WINDOW	B	INTACT	BROWN	disbatch	006&006a	Section B	Negative	< LOD	0.03	mg / cm ^2
1769	5/8/2017 11:01	PAINT	1.03	DOOR	B	INTACT	BROWN	disbatch	006&006a	Section B	Negative	< LOD	0.04	mg / cm ^2
1770	5/8/2017 11:02	PAINT	1.02	DOOR	B	INTACT	BROWN	disbatch	006&006a	Section B	Negative	< LOD	0.03	mg / cm ^2
1771	5/8/2017 11:02	PAINT	1.02	DOOR	B	INTACT	BROWN	disbatch	006b	Section B	Negative	< LOD	0.03	mg / cm ^2
1772	5/8/2017 11:03	PAINT	1.02	DOOR	B	INTACT	BROWN	disbatch	006b	Section B	Negative	< LOD	0.03	mg / cm ^2
1773	5/8/2017 11:03	PAINT	2.05	WALL	A	INTACT	BEIGE	disbatch	006b	Section B	Negative	< LOD	0.03	mg / cm ^2
1774	5/8/2017 11:03	PAINT	1.19	WALL	B	INTACT	BEIGE	disbatch	006b	Section B	Negative	< LOD	0.03	mg / cm ^2
1775	5/8/2017 11:03	PAINT	1.37	WALL	C	INTACT	BEIGE	disbatch	006b	Section B	Negative	< LOD	0.03	mg / cm ^2
1776	5/8/2017 11:04	PAINT	1.2	WALL	D	INTACT	BEIGE	disbatch	006b	Section B	Negative	< LOD	0.03	mg / cm ^2
1777	5/8/2017 11:04	PAINT	1.71	WALL	A	INTACT	BEIGE	disbatch	006b-hall	Section B	Negative	< LOD	0.03	mg / cm ^2
1778	5/8/2017 11:05	PAINT	2.56	WALL	B	INTACT	BEIGE	disbatch	006b-hall	Section B	Negative	< LOD	0.03	mg / cm ^2
1779	5/8/2017 11:05	PAINT	1.53	WALL	C	INTACT	BEIGE	disbatch	006b-hall	Section B	Negative	< LOD	0.03	mg / cm ^2
1780	5/8/2017 11:05	PAINT	1.7	WALL	D	INTACT	BEIGE	disbatch	006b-hall	Section B	Negative	< LOD	0.07	mg / cm ^2
1781	5/8/2017 11:06	PAINT	1.37	WALL	A	INTACT	BEIGE	disbatch	7	Section B	Negative	< LOD	0.03	mg / cm ^2
1782	5/8/2017 11:07	PAINT	1.02	WALL	B	INTACT	BEIGE	disbatch	7	Section B	Negative	< LOD	0.04	mg / cm ^2
1783	5/8/2017 11:07	PAINT	2.05	WALL	C	INTACT	BEIGE	disbatch	7	Section B	Negative	< LOD	0.03	mg / cm ^2
1784	5/8/2017 11:07	PAINT	1.2	WALL	D	INTACT	BEIGE	disbatch	7	Section B	Negative	< LOD	0.03	mg / cm ^2
1785	5/8/2017 11:08	PAINT	5.97	WALL	C	INTACT	BEIGE	disbatch	7	Section B	Negative	0.4	0.1	mg / cm ^2
1786	5/8/2017 11:08	PAINT	1.02	pipe	C	INTACT	BEIGE	disbatch	7	Section B	Negative	< LOD	0.03	mg / cm ^2
1787	5/8/2017 11:08	PAINT	1.03	pipe	C	INTACT	BEIGE	disbatch	7	Section B	Negative	< LOD	0.03	mg / cm ^2
1788	5/8/2017 11:10	PAINT	3.26	WALL	A	INTACT	BEIGE	disbatch	007a	Section B	Negative	< LOD	0.03	mg / cm ^2
1789	5/8/2017 11:10	PAINT	3.09	WALL	B	INTACT	BEIGE	disbatch	007a	Section B	Negative	< LOD	0.03	mg / cm ^2
1790	5/8/2017 11:10	PAINT	3.26	WALL	C	INTACT	BEIGE	disbatch	007a	Section B	Negative	< LOD	0.03	mg / cm ^2
1791	5/8/2017 11:11	PAINT	1.19	WALL	D	INTACT	BEIGE	disbatch	007a	Section B	Negative	< LOD	0.03	mg / cm ^2
1792	5/8/2017 11:11	PAINT	1.02	WALL	B	INTACT	BEIGE	disbatch	007a	Section B	Negative	< LOD	0.03	mg / cm ^2
1793	5/8/2017 11:11	PAINT	1.2	WALL	C	INTACT	BEIGE	disbatch	007a	Section B	Negative	< LOD	0.32	mg / cm ^2
1794	5/8/2017 11:12	PAINT	1.03	WALL	C	INTACT	WHITE	disbatch	007a	Section B	Negative	< LOD	0.05	mg / cm ^2
1795	5/8/2017 11:12	PAINT	1.03	WALL	A	INTACT	BEIGE	disbatch	007b	Section B	Negative	< LOD	0.03	mg / cm ^2
1796	5/8/2017 11:13	PAINT	3.27	WALL	B	INTACT	BEIGE	disbatch	007b	Section B	Negative	< LOD	0.03	mg / cm ^2
1797	5/8/2017 11:13	PAINT	2.92	WALL	C	INTACT	BEIGE	disbatch	007b	Section B	Null	< LOD	0.03	mg / cm ^2
1798	5/8/2017 11:14	PAINT	2.23	WALL	D	INTACT	BEIGE	disbatch	007b	Section B	Negative	< LOD	0.03	mg / cm ^2
1799	5/8/2017 11:20	PAINT	4.09	WALL	A	POOR	YELLOW	boiler		Section B	Negative	< LOD	0.03	mg / cm ^2
1800	5/8/2017 11:20	PAINT	1.71	WALL	A	POOR	YELLOW	boiler		Section B	Negative	< LOD	0.03	mg / cm ^2
1801	5/8/2017 11:21	PAINT	3.24	WALL	A	POOR	YELLOW	boiler		Section B	Negative	< LOD	0.04	mg / cm ^2
1802	5/8/2017 11:21	PAINT	3.24	WALL	A	POOR	YELLOW	boiler		Section B	Negative	< LOD	0.03	mg / cm ^2
1803	5/8/2017 11:22	PAINT	1.71	COLUMN	C	POOR	WHITE	boiler		Section B	Null	< LOD	0.05	mg / cm ^2
1804	5/8/2017 11:22	PAINT	1.02	COLUMN	C	POOR	WHITE	boiler		Section B	Negative	< LOD	0.03	mg / cm ^2
1822	5/8/2017 11:34	PAINT	2.57	Calibration	B	INTACT	BEIGE	FIRST	137		Positive	1.3	0.3	mg / cm ^2

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XRF Results for Building B

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1823	5/8/2017 11:35	PAINT	9.76	Calibration	B	INTACT	BEIGE	FIRST	137		Positive	1	0.1	mg / cm ^2
1824	5/8/2017 11:36	PAINT	7.52	Calibration	B	INTACT	BEIGE	FIRST	137		Positive	1.1	0.1	mg / cm ^2
1825	5/8/2017 11:36	PAINT	10.95	Calibration	B	INTACT	BEIGE	FIRST	137		Positive	1	0.1	mg / cm ^2

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XRF Results for Building C

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
4	5/4/2017 11:23	SHUTTER CAL	152.74									2.35	0	cps
5	5/4/2017 11:25	PAINT	3.26	Calibration		Intact		1st Floor		Building C	Positive	1.2	0.2	mg / cm ^2
6	5/4/2017 11:26	PAINT	11.23	Calibration		Intact		1st Floor		Building C	Positive	1	0.1	mg / cm ^2
7	5/4/2017 11:27	PAINT	18.27	Calibration		Intact		1st Floor		Building C	Positive	1.1	0.1	mg / cm ^2
8	5/4/2017 11:32	PAINT	2.76	Wall	A	Intact	Beige	1st Floor	C132	Building C	Negative	< LOD	0.03	mg / cm ^2
9	5/4/2017 11:32	PAINT	2.07	Wall	B	Intact	Beige	1st Floor	C132	Building C	Negative	< LOD	0.03	mg / cm ^2
10	5/4/2017 11:32	PAINT	1.56	Wall	C	Intact	Beige	1st Floor	C132	Building C	Negative	< LOD	0.03	mg / cm ^2
11	5/4/2017 11:33	PAINT	2.42	Wall	D	Intact	Beige	1st Floor	C132	Building C	Negative	< LOD	0.03	mg / cm ^2
12	5/4/2017 11:33	PAINT	3.11	Wall	D	Intact	White	1st Floor	C132	Building C	Negative	< LOD	0.03	mg / cm ^2
13	5/4/2017 11:33	PAINT	1.73	Wall	C	Intact	White	1st Floor	C132	Building C	Negative	< LOD	0.03	mg / cm ^2
14	5/4/2017 11:34	PAINT	2.94	Column		Intact	Brown	1st Floor	C132	Building C	Negative	< LOD	0.03	mg / cm ^2
15	5/4/2017 11:34	PAINT	1.2	Column		Intact	Beige	1st Floor	C132	Building C	Negative	< LOD	0.03	mg / cm ^2
16	5/4/2017 11:34	PAINT	1.72	Column		Intact	White	1st Floor	C132	Building C	Negative	< LOD	0.03	mg / cm ^2
17	5/4/2017 11:34	PAINT	1.02	A/C	A	Intact	Brown	1st Floor	C132	Building C	Negative	< LOD	0.1	mg / cm ^2
18	5/4/2017 11:35	PAINT	1.03	Door Frame	B	Intact	Brown	1st Floor	C132	Building C	Negative	< LOD	0.18	mg / cm ^2
19	5/4/2017 11:35	PAINT	1.03	Door	B	Intact	Brown	1st Floor	C132	Building C	Negative	< LOD	0.05	mg / cm ^2
20	5/4/2017 11:35	PAINT	1.03	Door Frame	C	Intact	Brown	1st Floor	C132	Building C	Negative	< LOD	0.07	mg / cm ^2
21	5/4/2017 11:35	PAINT	1.02	Door	C	Intact	Brown	1st Floor	C132	Building C	Negative	< LOD	0.04	mg / cm ^2
22	5/4/2017 11:36	PAINT	1.03	Pipe - Ceiling		Intact	Black	1st Floor	C132	Building C	Negative	< LOD	2.14	mg / cm ^2
23	5/4/2017 11:37	PAINT	1.04	Pipe - Ceiling		Intact	Black	1st Floor	C132	Building C	Negative	< LOD	0.23	mg / cm ^2
24	5/4/2017 11:37	PAINT	1.03	Beam - Ceiling		Intact	Brown	1st Floor	C132	Building C	Negative	< LOD	0.03	mg / cm ^2
25	5/4/2017 11:38	PAINT	2.06	Wall	A	Intact	Beige	1st Floor	C133	Building C	Null	< LOD	0.18	mg / cm ^2
26	5/4/2017 11:38	PAINT	0.34	Wall	B	Intact	Beige	1st Floor	C133	Building C	Null	< LOD	0.59	mg / cm ^2
27	5/4/2017 11:38	PAINT	3.11	Wall	C	Intact	Beige	1st Floor	C133	Building C	Negative	< LOD	0.2	mg / cm ^2
28	5/4/2017 11:39	PAINT	0.51	Wall	D	Intact	Beige	1st Floor	C133	Building C	Null	< LOD	0.09	mg / cm ^2
29	5/4/2017 11:39	PAINT	1.04	Cabinet	D	Intact	Brown	1st Floor	C133	Building C	Negative	< LOD	0.04	mg / cm ^2
30	5/4/2017 11:39	PAINT	1.02	Cabinet	B	Intact	Tan	1st Floor	C133	Building C	Negative	< LOD	0.3	mg / cm ^2
31	5/4/2017 11:39	PAINT	1.03	A/C	Z	Intact	Brown	1st Floor	C133	Building C	Negative	< LOD	0.05	mg / cm ^2
32	5/4/2017 11:40	PAINT	1.03	Door Frame	B	Intact	Brown	1st Floor	C133	Building C	Negative	< LOD	0.07	mg / cm ^2
33	5/4/2017 11:41	PAINT	1.04	Door Frame	B	Intact	Gray	1st Floor	C133	Building C	Negative	< LOD	0.08	mg / cm ^2
34	5/4/2017 11:41	PAINT	1.03	Door Frame	B	Intact	Lt. Brown	1st Floor	C133	Building C	Negative	< LOD	0.21	mg / cm ^2
35	5/4/2017 11:41	PAINT	1.03	Door	B	Intact	Brown	1st Floor	C133	Building C	Negative	< LOD	0.05	mg / cm ^2
36	5/4/2017 11:42	PAINT	1.04	Door Frame	B	Intact	Lt. Brown	1st Floor	C133A	Building C	Negative	< LOD	0.14	mg / cm ^2
37	5/4/2017 11:42	PAINT	1.03	Door Frame	B	Intact	Gray	1st Floor	C133A	Building C	Negative	< LOD	0.34	mg / cm ^2
38	5/4/2017 11:43	PAINT	0.51	Wall Tile	A	Intact	Brown	1st Floor	C133A	Building C	Positive	< LOD	5.8	mg / cm ^2
39	5/4/2017 11:43	PAINT	3.09	Wallpaper	A	Intact	Beige	1st Floor	C133A	Building C	Negative	0.05	0.03	mg / cm ^2
40	5/4/2017 11:44	PAINT	3.26	Ceiling		Intact		1st Floor	C133A	Building C	Negative	< LOD	0.11	mg / cm ^2
41	5/4/2017 11:44	PAINT	3.25	Floor		Intact		1st Floor	C133A	Building C	Negative	< LOD	0.12	mg / cm ^2
42	5/4/2017 11:45	PAINT	1.02	Floor		Intact		1st Floor	C133	Building C	Negative	< LOD	0.05	mg / cm ^2
43	5/4/2017 11:46	PAINT	3.11	Wall	A	Intact	White	1st Floor	C134	Building C	Negative	< LOD	0.03	mg / cm ^2
44	5/4/2017 11:46	PAINT	3.1	Wall	B	Intact	White	1st Floor	C134	Building C	Negative	< LOD	0.03	mg / cm ^2
45	5/4/2017 11:46	PAINT	3.1	Wall	C	Intact	White	1st Floor	C134	Building C	Negative	< LOD	0.03	mg / cm ^2
46	5/4/2017 11:47	PAINT	3.1	Wall	D	Intact	White	1st Floor	C134	Building C	Negative	< LOD	0.03	mg / cm ^2
47	5/4/2017 11:47	PAINT	1.04	A/C		Intact	White	1st Floor	C134	Building C	Negative	< LOD	0.04	mg / cm ^2
48	5/4/2017 11:47	PAINT	2.74	Ceiling		Intact	White	1st Floor	C134	Building C	Negative	< LOD	0.03	mg / cm ^2
49	5/4/2017 11:48	PAINT	1.03	Door		Intact	Brown	1st Floor	C134A	Building C	Negative	< LOD	0.3	mg / cm ^2
50	5/4/2017 11:48	PAINT	1.03	Door Frame		Intact	Brown	1st Floor	C134A	Building C	Negative	< LOD	0.31	mg / cm ^2
51	5/4/2017 11:48	PAINT	1.03	Door Frame		Intact	Gray	1st Floor	C134A	Building C	Negative	< LOD	0.08	mg / cm ^2
52	5/4/2017 11:49	PAINT	3.1	Wall	A	Intact	White	1st Floor	C134A	Building C	Negative	< LOD	0.03	mg / cm ^2
53	5/4/2017 11:49	PAINT	2.75	Wall	B	Intact	White	1st Floor	C134A	Building C	Negative	< LOD	0.07	mg / cm ^2
54	5/4/2017 11:49	PAINT	3.26	Wall	C	Intact	White	1st Floor	C134A	Building C	Negative	< LOD	0.07	mg / cm ^2
55	5/4/2017 11:50	PAINT	3.09	Wall	D	Intact	White	1st Floor	C134A	Building C	Negative	< LOD	0.03	mg / cm ^2
56	5/4/2017 11:50	PAINT	1.03	Cabinet	B	Intact	White	1st Floor	C134A	Building C	Negative	< LOD	0.03	mg / cm ^2
57	5/4/2017 11:51	PAINT	2.41	Wall	A	Intact	Beige	1st Floor	C135	Building C	Null	< LOD	0.12	mg / cm ^2
58	5/4/2017 11:51	PAINT	5.67	Wall	B	Intact	Beige	1st Floor	C135	Building C	Negative	< LOD	1.04	mg / cm ^2
59	5/4/2017 11:52	PAINT	7.38	Wall	C	Intact	Beige	1st Floor	C135	Building C	Null	< LOD	0.18	mg / cm ^2
60	5/4/2017 11:52	PAINT	4.12	Wall	D	Intact	Beige	1st Floor	C135	Building C	Negative	< LOD	1.32	mg / cm ^2
61	5/4/2017 11:53	PAINT	1.03	A/C	A	Intact	Beige	1st Floor	C135	Building C	Negative	< LOD	0.04	mg / cm ^2
62	5/4/2017 11:53	PAINT	1.04	A/C	A	Intact	Gray	1st Floor	C135	Building C	Negative	< LOD	0.23	mg / cm ^2
63	5/4/2017 11:53	PAINT	3.6	Ceiling		Intact	White	1st Floor	C135	Building C	Null	< LOD	0.03	mg / cm ^2
64	5/4/2017 11:54	PAINT	1.03	Door Frame		Intact	Gray	1st Floor	C135A	Building C	Negative	< LOD	0.37	mg / cm ^2

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Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
65	5/4/2017 11:54	PAINT	3.26	Wall	A	Intact	Beige	1st Floor	C135A	Building C	Negative	< LOD	0.13	mg / cm ^2
66	5/4/2017 11:54	PAINT	2.23	Wall	B	Intact	Beige	1st Floor	C135A	Building C	Negative	< LOD	0.15	mg / cm ^2
67	5/4/2017 11:55	PAINT	1.55	Wall	C	Intact	Beige	1st Floor	C135A	Building C	Negative	< LOD	0.54	mg / cm ^2
68	5/4/2017 11:55	PAINT	2.56	Wall	D	Intact	Beige	1st Floor	C135A	Building C	Negative	< LOD	0.03	mg / cm ^2
69	5/4/2017 11:55	PAINT	0.52	Cabinet		Intact	Beige	1st Floor	C135A	Building C	Null	< LOD	0.04	mg / cm ^2
70	5/4/2017 11:55	PAINT	1.03	Door		Intact		1st Floor	C135A	Building C	Negative	< LOD	0.06	mg / cm ^2
71	5/4/2017 11:58	PAINT	1.03	Door Frame		Intact		1st Floor	C111	Building C	Negative	< LOD	0.08	mg / cm ^2
72	5/4/2017 11:58	PAINT	1.02	Stall		Intact		1st Floor	C111	Building C	Negative	< LOD	0.03	mg / cm ^2
73	5/4/2017 11:59	PAINT	1.02	Lockers		Intact		1st Floor	C111	Building C	Negative	< LOD	0.06	mg / cm ^2
74	5/4/2017 11:59	PAINT	0.34	Wall	A	Intact	Paper	1st Floor	C111	Building C	Null	< LOD	0.54	mg / cm ^2
75	5/4/2017 11:59	PAINT	1.72	Wall	B	Intact	Paper	1st Floor	C111	Building C	Negative	< LOD	0.03	mg / cm ^2
76	5/4/2017 11:59	PAINT	1.38	Wall	C	Intact	Paper	1st Floor	C111	Building C	Negative	< LOD	0.03	mg / cm ^2
77	5/4/2017 11:59	PAINT	1.2	Wall	D	Intact	Paper	1st Floor	C111	Building C	Negative	< LOD	0.03	mg / cm ^2
78	5/4/2017 12:00	PAINT	0.52	Toilet		Intact	White	1st Floor	C111	Building C	Positive	3	1.9	mg / cm ^2
79	5/4/2017 12:00	PAINT	1.03	Toilet		Intact	Black	1st Floor	C111	Building C	Negative	< LOD	0.03	mg / cm ^2
80	5/4/2017 12:01	PAINT	1.02	Table		Intact	Green	1st Floor	C111	Building C	Negative	< LOD	0.03	mg / cm ^2
81	5/4/2017 12:01	PAINT	0.34	Sink		Intact	White	1st Floor	C111	Building C	Positive	< LOD	8.4	mg / cm ^2
82	5/4/2017 12:02	PAINT	1.03	Door Frame		Intact	Gray	1st Floor	C110	Building C	Negative	< LOD	0.18	mg / cm ^2
83	5/4/2017 12:02	PAINT	1.03	Door		Intact	Brown	1st Floor	C110	Building C	Negative	< LOD	0.05	mg / cm ^2
84	5/4/2017 12:03	PAINT	1.71	Wall	A	Intact	Paper	1st Floor	C110	Building C	Negative	< LOD	0.03	mg / cm ^2
85	5/4/2017 12:03	PAINT	1.38	Wall	B	Intact	Paper	1st Floor	C110	Building C	Negative	< LOD	0.03	mg / cm ^2
86	5/4/2017 12:03	PAINT	1.54	Wall	C	Intact	Paper	1st Floor	C110	Building C	Negative	< LOD	0.03	mg / cm ^2
87	5/4/2017 12:03	PAINT	1.37	Wall	D	Intact	Paper	1st Floor	C110	Building C	Negative	< LOD	0.03	mg / cm ^2
88	5/4/2017 12:03	PAINT	1.02	Stall		Intact	Gray	1st Floor	C110	Building C	Negative	< LOD	0.04	mg / cm ^2
89	5/4/2017 12:03	PAINT	0.34	Toilet		Intact	White	1st Floor	C110	Building C	Positive	5.8	3.8	mg / cm ^2
90	5/4/2017 12:04	PAINT	1.03	Latrine		Intact	White	1st Floor	C110	Building C	Negative	< LOD	0.16	mg / cm ^2
91	5/4/2017 12:04	PAINT	1.2	Wall	A	Intact	Brown	1st Floor	C110	Building C	Negative	< LOD	0.03	mg / cm ^2
92	5/4/2017 12:04	PAINT	1.2	Wall	B	Intact	Brown	1st Floor	C110	Building C	Negative	< LOD	0.03	mg / cm ^2
93	5/4/2017 12:04	PAINT	1.9	Wall	C	Intact	Brown	1st Floor	C110	Building C	Negative	< LOD	0.03	mg / cm ^2
94	5/4/2017 12:05	PAINT	1.2	Wall	D	Intact	Brown	1st Floor	C110	Building C	Negative	< LOD	0.03	mg / cm ^2
95	5/4/2017 12:05	PAINT	1.04	Table		Intact	Green	1st Floor	C110	Building C	Negative	< LOD	0.04	mg / cm ^2
96	5/4/2017 12:05	PAINT	0.34	Sink		Intact	White	1st Floor	C110	Building C	Positive	< LOD	8.85	mg / cm ^2
97	5/4/2017 12:06	PAINT	3.26	Wall	D	Intact	White	1st Floor	C109	Building C	Negative	< LOD	0.08	mg / cm ^2
98	5/4/2017 12:06	PAINT	1.54	Cabinet	A	Intact	White	1st Floor	C109	Building C	Negative	< LOD	0.13	mg / cm ^2
99	5/4/2017 12:07	PAINT	2.23	Cabinet	A	Intact	White	1st Floor	C109	Building C	Negative	< LOD	0.39	mg / cm ^2
100	5/4/2017 12:07	PAINT	1.03	Cabinet	A	Intact	White	1st Floor	C109	Building C	Negative	< LOD	0.04	mg / cm ^2
101	5/4/2017 12:07	PAINT	1.02	Cabinet	A	Intact	White	1st Floor	C109	Building C	Negative	< LOD	0.17	mg / cm ^2
102	5/4/2017 12:07	PAINT	1.03	Cabinet	A	Intact	White	1st Floor	C109	Building C	Negative	< LOD	0.54	mg / cm ^2
103	5/4/2017 12:07	PAINT	1.04	Cabinet	A	Intact	White	1st Floor	C109	Building C	Negative	< LOD	0.3	mg / cm ^2
104	5/4/2017 12:08	PAINT	1.03	Cabinet	A	Intact	White	1st Floor	C109	Building C	Negative	< LOD	0.04	mg / cm ^2
105	5/4/2017 12:08	PAINT	1.72	Wall	B	Intact	White	1st Floor	C109	Building C	Negative	< LOD	0.03	mg / cm ^2
106	5/4/2017 12:10	PAINT	1.55	Wall	A	Intact	Paper	1st Floor	C106	Building C	Negative	< LOD	0.03	mg / cm ^2
107	5/4/2017 12:10	PAINT	2.06	Wall	B	Intact	Paper	1st Floor	C106	Building C	Negative	< LOD	0.03	mg / cm ^2
108	5/4/2017 12:10	PAINT	1.72	Wall	C	Intact	Paper	1st Floor	C106	Building C	Negative	< LOD	0.03	mg / cm ^2
109	5/4/2017 12:11	PAINT	1.04	Wall	A	Intact	Tan	1st Floor	C106	Building C	Negative	< LOD	0.03	mg / cm ^2
110	5/4/2017 12:11	PAINT	1.03	Wall	C	Intact	Tan	1st Floor	C106	Building C	Negative	< LOD	0.03	mg / cm ^2
111	5/4/2017 12:12	PAINT	1.03	Window	C	Intact	Tan	1st Floor	C106	Building C	Negative	< LOD	0.03	mg / cm ^2
112	5/4/2017 12:12	PAINT	1.03	Wall	A	Intact	Brown	1st Floor	C106	Building C	Negative	< LOD	0.04	mg / cm ^2
113	5/4/2017 12:12	PAINT	1.03	Wall	B	Intact	Brown	1st Floor	C106	Building C	Negative	< LOD	0.03	mg / cm ^2
114	5/4/2017 12:12	PAINT	1.04	Wall	C	Intact	Brown	1st Floor	C106	Building C	Negative	< LOD	0.05	mg / cm ^2
115	5/4/2017 12:12	PAINT	1.03	Wall	D	Intact	Brown	1st Floor	C106	Building C	Negative	< LOD	0.03	mg / cm ^2
116	5/4/2017 12:13	PAINT	1.03	Cabinet	D	Intact	Stained/Brown	1st Floor	C106	Building C	Negative	< LOD	0.04	mg / cm ^2
117	5/4/2017 12:13	PAINT	1.03	Cabinet	D	Intact	Stained/Brown	1st Floor	C106	Building C	Negative	< LOD	0.04	mg / cm ^2
118	5/4/2017 12:13	PAINT	1.03	Cabinet	D	Intact	Stained/Brown	1st Floor	C106	Building C	Negative	< LOD	0.04	mg / cm ^2
119	5/4/2017 12:13	PAINT	1.03	Cabinet	D	Intact	Stained/Brown	1st Floor	C106	Building C	Negative	< LOD	0.03	mg / cm ^2
120	5/4/2017 12:14	PAINT	1.04	Cabinet	D	Intact	Stained/Brown	1st Floor	C106	Building C	Negative	< LOD	0.05	mg / cm ^2
121	5/4/2017 12:14	PAINT	1.03	Door		Intact	Brown	1st Floor	C106 B&C	Building C	Negative	< LOD	0.04	mg / cm ^2
122	5/4/2017 12:15	PAINT	1.03	Door Frame		Intact	Tan	1st Floor	C106 B&C	Building C	Negative	< LOD	0.03	mg / cm ^2
123	5/4/2017 12:15	PAINT	1.03	Door Frame		Intact	Tan	1st Floor	C106 B&C	Building C	Negative	< LOD	0.29	mg / cm ^2
124	5/4/2017 12:15	PAINT	1.03	Door Frame		Intact	Blue	1st Floor	C106 B&C	Building C	Negative	< LOD	0.29	mg / cm ^2
125	5/4/2017 12:15	PAINT	2.92	Wall		Intact	Yellowish	1st Floor	C106 B&C	Building C	Negative	< LOD	0.04	mg / cm ^2

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Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
126	5/4/2017 12:16	PAINT	0.51	Shelf		Intact	Yellowish	1st Floor	C106 B&C	Building C	Null	< LOD	0.12	mg / cm ^2
127	5/4/2017 12:17	PAINT	3.11	Floor		Intact	White	1st Floor	C106A	Building C	Negative	< LOD	0.03	mg / cm ^2
128	5/4/2017 12:17	PAINT	3.26	Floor		Intact	White	1st Floor	C106A	Building C	Negative	< LOD	0.06	mg / cm ^2
129	5/4/2017 12:17	PAINT	0.34	Wall		Intact	Brown	1st Floor	C106A	Building C	Positive	< LOD	11.1	mg / cm ^2
130	5/4/2017 12:17	PAINT	1.03	Sink		Intact	White	1st Floor	C106A	Building C	Negative	< LOD	0.26	mg / cm ^2
131	5/4/2017 12:17	PAINT	0.34	Toilet		Intact	White	1st Floor	C106A	Building C	Positive	< LOD	7.8	mg / cm ^2
132	5/4/2017 12:18	PAINT	2.75	Wall	A	Intact	Tan	1st Floor	C106A	Building C	Null	< LOD	0.19	mg / cm ^2
133	5/4/2017 12:18	PAINT	3.09	Wall	B	Intact	Tan	1st Floor	C106A	Building C	Negative	< LOD	0.2	mg / cm ^2
134	5/4/2017 12:18	PAINT	2.41	Wall	C	Intact	Tan	1st Floor	C106A	Building C	Negative	< LOD	0.11	mg / cm ^2
135	5/4/2017 12:19	PAINT	2.57	Wall	D	Intact	Tan	1st Floor	C106A	Building C	Negative	< LOD	0.16	mg / cm ^2
136	5/4/2017 12:19	PAINT	1.04	Door Frame	A	Intact	Red	1st Floor	C105	Building C	Negative	< LOD	0.19	mg / cm ^2
137	5/4/2017 12:19	PAINT	1.03	Door	A	Intact	Brown	1st Floor	C105	Building C	Negative	< LOD	0.05	mg / cm ^2
138	5/4/2017 12:20	PAINT	1.02	Wall	A	Intact	Stained/Brown	1st Floor	C105	Building C	Negative	< LOD	0.05	mg / cm ^2
139	5/4/2017 12:20	PAINT	1.03	Wall	B	Intact	Lt. Brown	1st Floor	C105	Building C	Negative	< LOD	0.03	mg / cm ^2
140	5/4/2017 12:20	PAINT	1.03	Wall	B	Intact	Dark Brown	1st Floor	C105	Building C	Negative	< LOD	0.04	mg / cm ^2
141	5/4/2017 12:20	PAINT	1.04	Wall	C	Intact	Dark Brown	1st Floor	C105	Building C	Negative	< LOD	0.03	mg / cm ^2
142	5/4/2017 12:21	PAINT	1.03	Wall	D	Intact	Dark Brown	1st Floor	C105	Building C	Negative	< LOD	0.04	mg / cm ^2
143	5/4/2017 12:21	PAINT	1.03	A/C	C	Intact	Gray	1st Floor	C105	Building C	Negative	< LOD	0.04	mg / cm ^2
144	5/4/2017 12:21	PAINT	1.03	Door Frame	A	Intact	Blue	1st Floor	C105	Building C	Negative	< LOD	0.13	mg / cm ^2
145	5/4/2017 12:21	PAINT	3.1	Wall	A	Intact	White	1st Floor	C105	Building C	Negative	< LOD	0.03	mg / cm ^2
146	5/4/2017 12:22	PAINT	1.03	Cabinet	A	Intact	White	1st Floor	C105	Building C	Negative	< LOD	0.1	mg / cm ^2
147	5/4/2017 12:22	PAINT	3.26	Wall	A	Intact	Beige	1st Floor	C104	Building C	Negative	< LOD	0.06	mg / cm ^2
148	5/4/2017 12:23	PAINT	2.57	Wall	B	Intact	Beige	1st Floor	C104	Building C	Negative	< LOD	0.03	mg / cm ^2
149	5/4/2017 12:23	PAINT	1.03	Door Frame	B	Intact	Red	1st Floor	C104	Building C	Negative	< LOD	0.18	mg / cm ^2
150	5/4/2017 12:23	PAINT	1.03	Door Frame	B	Intact	Blue	1st Floor	C104	Building C	Negative	< LOD	0.33	mg / cm ^2
151	5/4/2017 12:24	PAINT	1.03	Door	B	Intact	White	1st Floor	C104	Building C	Negative	< LOD	0.34	mg / cm ^2
152	5/4/2017 12:24	PAINT	2.76	Wall	D	Intact	Beige	1st Floor	C104	Building C	Negative	< LOD	0.03	mg / cm ^2
153	5/4/2017 12:25	PAINT	1.03	Door Frame	A	Intact	Blue	1st Floor	C104	Building C	Negative	< LOD	0.79	mg / cm ^2
154	5/4/2017 12:25	PAINT	1.04	Door	A	Intact		1st Floor	C104	Building C	Negative	< LOD	0.07	mg / cm ^2
155	5/4/2017 12:27	PAINT	3.09	Ceiling	A	Intact	White	1st Floor	C104	Building C	Negative	< LOD	0.1	mg / cm ^2
156	5/4/2017 12:28	PAINT	3.1	Wall	A	Intact	Beige	1st Floor	Lobby	Building C	Negative	< LOD	0.18	mg / cm ^2
157	5/4/2017 12:28	PAINT	2.23	Wall	B	Intact	Beige	1st Floor	Lobby	Building C	Negative	< LOD	0.43	mg / cm ^2
158	5/4/2017 12:28	PAINT	1.55	Wall	D	Intact	Beige	1st Floor	Lobby	Building C	Negative	< LOD	0.03	mg / cm ^2
159	5/4/2017 12:29	PAINT	3.61	Column	C	Intact	Beige	1st Floor	Lobby	Building C	Negative	< LOD	0.18	mg / cm ^2
160	5/4/2017 12:29	PAINT	1.03	Railing		Intact	Stained/Brown	1st Floor	Lobby	Building C	Negative	< LOD	0.03	mg / cm ^2
161	5/4/2017 12:29	PAINT	0.86	Railing		Intact	Stained/Brown	1st Floor	Lobby	Building C	Null	< LOD	0.03	mg / cm ^2
162	5/4/2017 12:29	PAINT	1.04	Door Frame	B	Intact	Blue	1st Floor	Lobby	Building C	Negative	< LOD	0.34	mg / cm ^2
163	5/4/2017 12:30	PAINT	1.03	Door		Intact	Beige	1st Floor	Lobby	Building C	Negative	< LOD	0.07	mg / cm ^2
164	5/4/2017 12:30	PAINT	1.03	Counter	A	Intact	Green	1st Floor	Lobby	Building C	Negative	< LOD	0.05	mg / cm ^2
165	5/4/2017 12:31	PAINT	3.09	Wall	A	Intact	White	1st Floor	C125	Building C	Negative	< LOD	0.03	mg / cm ^2
166	5/4/2017 12:32	PAINT	1.71	Wall	B	Intact	White	1st Floor	C125	Building C	Negative	< LOD	0.03	mg / cm ^2
167	5/4/2017 12:32	PAINT	2.07	Wall	B	Intact	Yellow	1st Floor	C125	Building C	Negative	< LOD	0.03	mg / cm ^2
168	5/4/2017 12:33	PAINT	3.27	Wall	C	Intact	White	1st Floor	C125	Building C	Negative	< LOD	0.31	mg / cm ^2
169	5/4/2017 12:36	PAINT	1.03	Cabinet	A	Intact	White	1st Floor	C125	Building C	Negative	< LOD	0.03	mg / cm ^2
170	5/4/2017 12:37	PAINT	1.03	Cabinet	A	Intact	White	1st Floor	C125	Building C	Negative	< LOD	0.03	mg / cm ^2
171	5/4/2017 12:37	PAINT	1.03	Cabinet	C	Intact	White	1st Floor	C125	Building C	Negative	< LOD	0.03	mg / cm ^2
172	5/4/2017 12:39	PAINT	2.75	Wall	D	Intact	White	1st Floor	C125	Building C	Negative	< LOD	0.03	mg / cm ^2
173	5/4/2017 12:39	PAINT	1.04	Door	C	Intact	Beige	1st Floor	C125	Building C	Negative	< LOD	0.27	mg / cm ^2
174	5/4/2017 12:39	PAINT	1.04	Door	C	Intact	Beige	1st Floor	C125	Building C	Negative	< LOD	0.03	mg / cm ^2
175	5/4/2017 12:39	PAINT	1.03	Door	C	Intact	Beige	1st Floor	C125	Building C	Negative	< LOD	0.03	mg / cm ^2
176	5/4/2017 12:40	PAINT	1.03	Door	C	Intact	Beige	1st Floor	C125	Building C	Negative	< LOD	0.03	mg / cm ^2
177	5/4/2017 12:40	PAINT	1.04	Mailbox		Intact		1st Floor	C125	Building C	Negative	< LOD	0.27	mg / cm ^2
178	5/4/2017 12:42	PAINT	3.27	Wall	A	Intact	White	1st Floor	C120	Building C	Negative	< LOD	0.03	mg / cm ^2
179	5/4/2017 12:42	PAINT	2.57	Wall	B	Intact	White	1st Floor	C120	Building C	Negative	< LOD	0.18	mg / cm ^2
180	5/4/2017 12:43	PAINT	3.09	Wall	C	Intact	White	1st Floor	C120	Building C	Negative	< LOD	0.03	mg / cm ^2
181	5/4/2017 12:43	PAINT	3.08	Wall	D	Intact	White	1st Floor	C120	Building C	Negative	< LOD	0.03	mg / cm ^2
182	5/4/2017 12:44	PAINT	1.04	Door Frame	B	Intact	Gray	1st Floor	C120	Building C	Negative	< LOD	0.25	mg / cm ^2
183	5/4/2017 12:44	PAINT	1.04	Door	B	Intact	Brown	1st Floor	C120	Building C	Negative	< LOD	0.14	mg / cm ^2
184	5/4/2017 12:44	PAINT	1.04	Door	B	Intact	Lt. Brown	1st Floor	C120	Building C	Negative	< LOD	0.03	mg / cm ^2
185	5/4/2017 12:45	PAINT	1.03	Cabinet	B	Intact	Tan	1st Floor	C120	Building C	Negative	< LOD	0.16	mg / cm ^2
186	5/4/2017 12:45	PAINT	1.03	Cabinet	B	Intact		1st Floor	C120	Building C	Negative	< LOD	0.03	mg / cm ^2

Hattiesburg Police Department

XRF Results for Building C

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
187	5/4/2017 12:45	PAINT	1.03	Cabinet	C	Intact	Beige	1st Floor	C120	Building C	Negative	< LOD	0.14	mg / cm ^2
188	5/4/2017 12:45	PAINT	1.03	Cabinet	C	Intact	Green	1st Floor	C120	Building C	Negative	< LOD	0.05	mg / cm ^2
189	5/4/2017 12:46	PAINT	1.03	Door Frame	A	Intact	Gray	1st Floor	C120	Building C	Negative	< LOD	0.94	mg / cm ^2
190	5/4/2017 12:46	PAINT	1.03	Door Frame	A	Intact	Brown	1st Floor	C120	Building C	Negative	< LOD	0.83	mg / cm ^2
191	5/4/2017 12:46	PAINT	1.03	Door	A	Intact		1st Floor	C120	Building C	Negative	< LOD	0.03	mg / cm ^2
192	5/4/2017 12:46	PAINT	1.03	Door	A	Intact		1st Floor	C120	Building C	Negative	< LOD	0.04	mg / cm ^2
193	5/4/2017 12:46	PAINT	1.03	Window	C	Intact	Gray	1st Floor	C120	Building C	Negative	< LOD	0.04	mg / cm ^2
194	5/4/2017 12:47	PAINT	1.03	Window	C	Intact	Gray	1st Floor	C120	Building C	Negative	< LOD	0.04	mg / cm ^2
195	5/4/2017 12:47	PAINT	1.03	Window	C	Intact	White	1st Floor	C120	Building C	Negative	< LOD	0.03	mg / cm ^2
196	5/4/2017 12:47	PAINT	1.04	Window	C	Intact	White	1st Floor	C120	Building C	Negative	< LOD	0.03	mg / cm ^2
197	5/4/2017 12:47	PAINT	1.03	Desk		Intact		1st Floor	C120	Building C	Negative	< LOD	0.03	mg / cm ^2
198	5/4/2017 12:48	PAINT	1.03	Door		Intact	Brown	1st Floor	C118	Building C	Negative	< LOD	0.16	mg / cm ^2
199	5/4/2017 12:48	PAINT	1.03	Door		Intact	Gray	1st Floor	C118	Building C	Negative	< LOD	0.08	mg / cm ^2
200	5/4/2017 12:48	PAINT	1.03	Door Frame		Intact	Gray	1st Floor	C118	Building C	Negative	< LOD	0.13	mg / cm ^2
201	5/4/2017 12:49	PAINT	1.03	Door Frame		Intact	Brown	1st Floor	C118	Building C	Negative	< LOD	0.11	mg / cm ^2
202	5/4/2017 12:49	PAINT	3.1	Wall	A	Intact	Beige	1st Floor	C118	Building C	Negative	< LOD	0.04	mg / cm ^2
203	5/4/2017 12:49	PAINT	3.26	Wall	B	Intact	Beige	1st Floor	C118	Building C	Negative	< LOD	0.03	mg / cm ^2
204	5/4/2017 12:50	PAINT	2.57	Wall	C	Intact	Beige	1st Floor	C118	Building C	Negative	< LOD	0.09	mg / cm ^2
205	5/4/2017 12:50	PAINT	3.26	Wall	D	Intact	Beige	1st Floor	C118	Building C	Negative	< LOD	0.04	mg / cm ^2
206	5/4/2017 12:50	PAINT	0.85	Cabinet	A	Intact	Beige	1st Floor	C118	Building C	Null	< LOD	0.08	mg / cm ^2
207	5/4/2017 12:50	PAINT	1.03	Cabinet	A	Intact	Beige	1st Floor	C118	Building C	Negative	< LOD	0.41	mg / cm ^2
208	5/4/2017 12:51	PAINT	0.85	Safe		Poor	Beige	1st Floor	C118	Building C	Positive	< LOD	7.8	mg / cm ^2
209	5/4/2017 12:51	PAINT	0.69	Safe		Poor	Beige	1st Floor	C118	Building C	Positive	< LOD	10.8	mg / cm ^2
210	5/4/2017 12:54	PAINT	3.94	Wall	A	Intact	Tan	1st Floor	C117	Building C	Negative	< LOD	0.18	mg / cm ^2
211	5/4/2017 12:55	PAINT	2.23	Wall	B	Intact	Tan	1st Floor	C117	Building C	Null	< LOD	0.54	mg / cm ^2
212	5/4/2017 12:55	PAINT	2.74	Wall	C	Intact	Tan	1st Floor	C117	Building C	Negative	< LOD	0.24	mg / cm ^2
213	5/4/2017 12:55	PAINT	1.72	Wall	D	Intact	Tan	1st Floor	C117	Building C	Negative	< LOD	0.23	mg / cm ^2
214	5/4/2017 12:56	PAINT	2.23	Ceiling		Intact	White	1st Floor	C117	Building C	Negative	< LOD	0.03	mg / cm ^2
215	5/4/2017 12:56	PAINT	1.03	Desk		Intact	Yellow	1st Floor	C117	Building C	Negative	< LOD	0.05	mg / cm ^2
216	5/4/2017 12:56	PAINT	1.04	Door Frame		Intact	Gray	1st Floor	C117A	Building C	Negative	< LOD	0.27	mg / cm ^2
217	5/4/2017 12:56	PAINT	1.03	Door Frame		Intact	Brown	1st Floor	C117A	Building C	Negative	< LOD	0.09	mg / cm ^2
218	5/4/2017 12:57	PAINT	1.03	Door		Intact		1st Floor	C117A	Building C	Negative	< LOD	0.05	mg / cm ^2
219	5/4/2017 12:57	PAINT	1.02	Cabinet	B	Intact		1st Floor	C117A	Building C	Negative	< LOD	0.15	mg / cm ^2
220	5/4/2017 12:57	PAINT	3.11	Wall	A	Intact	Tan	1st Floor	C117A	Building C	Negative	< LOD	0.05	mg / cm ^2
221	5/4/2017 12:57	PAINT	1.73	Wall	B	Intact	Tan	1st Floor	C117A	Building C	Null	< LOD	0.16	mg / cm ^2
222	5/4/2017 12:58	PAINT	4.29	Wall	C	Intact	Tan	1st Floor	C117A	Building C	Negative	< LOD	0.04	mg / cm ^2
223	5/4/2017 12:58	PAINT	3.26	Wall	D	Intact	Tan	1st Floor	C117A	Building C	Negative	< LOD	0.05	mg / cm ^2
224	5/4/2017 12:59	PAINT	2.23	Door Trim	D	Intact	Brown	1st Floor	C117A	Building C	Negative	< LOD	0.12	mg / cm ^2
225	5/4/2017 12:59	PAINT	1.21	Wall	A	Intact	Tan	1st Floor	C117B	Building C	Negative	< LOD	0.03	mg / cm ^2
226	5/4/2017 12:59	PAINT	1.37	Wall	B	Intact	Tan	1st Floor	C117B	Building C	Negative	< LOD	0.03	mg / cm ^2
227	5/4/2017 13:00	PAINT	3.09	Wall	C	Intact	Tan	1st Floor	C117B	Building C	Negative	< LOD	0.03	mg / cm ^2
228	5/4/2017 13:00	PAINT	1.73	Wall	D	Intact	Tan	1st Floor	C117B	Building C	Negative	< LOD	0.03	mg / cm ^2
229	5/4/2017 13:00	PAINT	1.03	Sink		Intact		1st Floor	C117B	Building C	Negative	< LOD	0.32	mg / cm ^2
230	5/4/2017 13:00	PAINT	0.52	Toilet		Intact		1st Floor	C117B	Building C	Null	< LOD	0.46	mg / cm ^2
231	5/4/2017 13:01	PAINT	3.1	Wall	A	Intact	Tan	1st Floor	C115	Building C	Negative	< LOD	0.03	mg / cm ^2
232	5/4/2017 13:02	PAINT	2.58	Wall	B	Intact	Tan	1st Floor	C115	Building C	Negative	< LOD	0.03	mg / cm ^2
233	5/4/2017 13:02	PAINT	3.27	Wall	C	Intact	Tan	1st Floor	C115	Building C	Negative	< LOD	0.03	mg / cm ^2
234	5/4/2017 13:02	PAINT	2.23	Wall	D	Intact	Tan	1st Floor	C115	Building C	Negative	< LOD	0.03	mg / cm ^2
235	5/4/2017 13:02	PAINT	1.03	Hat Rack	D	Intact		1st Floor	C115	Building C	Negative	< LOD	0.03	mg / cm ^2
236	5/4/2017 13:03	PAINT	2.93	Wall	A	Intact	Tan	1st Floor	C114	Building C	Negative	< LOD	0.33	mg / cm ^2
237	5/4/2017 13:03	PAINT	2.06	Wall	B	Intact	Tan	1st Floor	C114	Building C	Negative	< LOD	0.03	mg / cm ^2
238	5/4/2017 13:04	PAINT	3.28	Wall	C	Intact	Tan	1st Floor	C114	Building C	Negative	< LOD	0.17	mg / cm ^2
239	5/4/2017 13:04	PAINT	1.89	Wall	D	Intact	Tan	1st Floor	C114	Building C	Negative	< LOD	0.03	mg / cm ^2
240	5/4/2017 13:04	PAINT	3.42	Wall	D	Intact		1st Floor	C114	Building C	Negative	< LOD	0.03	mg / cm ^2
241	5/4/2017 13:05	PAINT	0.35	Wall		Intact	Beige	1st Floor	C112	Building C	Positive	< LOD	5.7	mg / cm ^2
242	5/4/2017 13:05	PAINT	0.69	Wall	A	Intact	Beige	1st Floor	C112	Building C	Null	< LOD	0.34	mg / cm ^2
243	5/4/2017 13:05	PAINT	3.08	Wall	B	Intact	Beige	1st Floor	C112	Building C	Negative	< LOD	0.17	mg / cm ^2
244	5/4/2017 13:06	PAINT	3.08	Wall	C	Intact	Beige	1st Floor	C112	Building C	Negative	< LOD	0.13	mg / cm ^2
245	5/4/2017 13:06	PAINT	3.26	Wall	D	Intact	Beige	1st Floor	C112	Building C	Negative	< LOD	0.16	mg / cm ^2
246	5/4/2017 13:07	PAINT	1.03	Cabinet	A	Intact	Beige	1st Floor	C112	Building C	Negative	< LOD	0.05	mg / cm ^2
247	5/4/2017 13:07	PAINT	1.03	Counter		Intact	White	1st Floor	C112	Building C	Negative	< LOD	0.03	mg / cm ^2

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Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
248	5/4/2017 13:07	PAINT	1.03	Cabinet		Intact	Beige	1st Floor	C112	Building C	Negative	< LOD	0.07	mg / cm ^2
249	5/4/2017 13:07	PAINT	1.04	Cabinet		Intact	Green	1st Floor	C112	Building C	Negative	< LOD	0.05	mg / cm ^2
250	5/4/2017 13:08	PAINT	0.35	Wall		Intact	Tan	1st Floor	Hallway	Building C	Positive	< LOD	7.8	mg / cm ^2
251	5/4/2017 13:09	PAINT	3.11	Wall		Intact	Beige	1st Floor	Hallway	Building C	Negative	< LOD	0.05	mg / cm ^2
252	5/4/2017 13:09	PAINT	1.04	Electric Box		Intact		1st Floor	Hallway	Building C	Negative	< LOD	0.05	mg / cm ^2
253	5/4/2017 13:09	PAINT	1.03	Door Frame		Intact	Brown	1st Floor	Hallway	Building C	Negative	< LOD	0.29	mg / cm ^2
254	5/4/2017 13:10	PAINT	2.59	Wall	A	Intact	White	1st Floor	Hallway	Building C	Negative	< LOD	0.04	mg / cm ^2
255	5/4/2017 13:10	PAINT	1.03	Wall		Intact	Brown	1st Floor	Hallway	Building C	Negative	< LOD	0.04	mg / cm ^2
256	5/4/2017 13:10	PAINT	1.03	Wall		Intact	Blue	1st Floor	Hallway	Building C	Negative	< LOD	0.05	mg / cm ^2
257	5/4/2017 13:10	PAINT	1.03	Door Frame		Intact	Brown	1st Floor	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
258	5/4/2017 13:10	PAINT	1.37	Door		Intact	Tan	1st Floor	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
259	5/4/2017 13:11	PAINT	3.26	Floor		Intact	Dark Gray	1st Floor	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
260	5/4/2017 13:11	PAINT	4.63	Baseboard		Intact	Green	1st Floor	Hallway	Building C	Negative	< LOD	1.11	mg / cm ^2
261	5/4/2017 13:12	PAINT	1.89	Wall	A	Intact	White	1st Floor	C116	Building C	Negative	< LOD	0.03	mg / cm ^2
262	5/4/2017 13:12	PAINT	2.58	Wall	B	Intact	White	1st Floor	C116	Building C	Negative	< LOD	0.03	mg / cm ^2
263	5/4/2017 13:12	PAINT	2.92	Wall	C	Intact	White	1st Floor	C116	Building C	Negative	< LOD	0.03	mg / cm ^2
264	5/4/2017 13:12	PAINT	2.22	Wall	D	Intact	White	1st Floor	C116	Building C	Negative	< LOD	0.03	mg / cm ^2
265	5/4/2017 13:13	PAINT	1.03	Pipe 1		Intact	Green	1st Floor	C116	Building C	Null	< LOD	0.4	mg / cm ^2
266	5/4/2017 13:13	PAINT	1.04	Pipe 2		Intact	Green	1st Floor	C116	Building C	Negative	< LOD	0.26	mg / cm ^2
267	5/4/2017 13:13	PAINT	1.03	Pipe 3		Intact	Green	1st Floor	C116	Building C	Negative	< LOD	0.11	mg / cm ^2
268	5/4/2017 13:13	PAINT	1.03	A/C	D	Intact	Brown	1st Floor	C116	Building C	Negative	< LOD	0.03	mg / cm ^2
269	5/4/2017 13:14	PAINT	3.26	Calibration		Intact		FIRST			Positive	1.2	0.2	mg / cm ^2
270	5/4/2017 13:15	PAINT	7.4	Calibration		Intact		FIRST			Positive	1.1	0.1	mg / cm ^2
271	5/4/2017 13:16	PAINT	13.44	Calibration		Intact		FIRST			Positive	1	0.1	mg / cm ^2
272	5/4/2017 14:07	SHUTTER CAL	154.64	Calibration		Intact						2.17	0	cps
273	5/4/2017 14:08	PAINT	7.23	Calibration		Intact		FIRST			Positive	1.1	0.1	mg / cm ^2
274	5/4/2017 14:09	PAINT	12.39	Calibration		Intact		FIRST			Positive	1.1	0.1	mg / cm ^2
275	5/4/2017 14:11	PAINT	17.57	Calibration		Intact		FIRST			Positive	1	0.1	mg / cm ^2
276	5/4/2017 14:16	PAINT	2.76	Wall	A	Intact	Beige	FIRST	C130	Building C	Negative	< LOD	0.03	mg / cm ^2
277	5/4/2017 14:16	PAINT	2.58	Wall	B	Intact	Beige	FIRST	C130	Building C	Negative	< LOD	0.27	mg / cm ^2
278	5/4/2017 14:16	PAINT	1.21	Wall	C	Intact	Beige	FIRST	C130	Building C	Negative	< LOD	0.03	mg / cm ^2
279	5/4/2017 14:16	PAINT	1.37	Wall	D	Intact	Beige	FIRST	C130	Building C	Null	< LOD	0.03	mg / cm ^2
280	5/4/2017 14:17	PAINT	1.03	A/C	A	Intact	Brown	FIRST	C130	Building C	Negative	< LOD	0.05	mg / cm ^2
281	5/4/2017 14:17	PAINT	1.04	Desk	D	Intact	Tan	FIRST	C130	Building C	Negative	< LOD	0.14	mg / cm ^2
282	5/4/2017 14:17	PAINT	0.86	Window	D	Intact	Brown	FIRST	C130	Building C	Null	< LOD	0.03	mg / cm ^2
283	5/4/2017 14:18	PAINT	1.02	Window	D	Intact	Brown	FIRST	C130	Building C	Negative	< LOD	0.03	mg / cm ^2
284	5/4/2017 14:18	PAINT	1.03	Window	D	Intact	Brown	FIRST	C130	Building C	Negative	< LOD	0.06	mg / cm ^2
285	5/4/2017 14:18	PAINT	1.03	Cabinet	C	Intact	Brown	FIRST	C130	Building C	Negative	< LOD	0.04	mg / cm ^2
286	5/4/2017 14:18	PAINT	1.03	Cabinet	C	Intact	Brown	FIRST	C130	Building C	Negative	< LOD	0.04	mg / cm ^2
287	5/4/2017 14:19	PAINT	2.22	Column	C	Intact	Brown	FIRST	C130	Building C	Negative	< LOD	0.03	mg / cm ^2
288	5/4/2017 14:19	PAINT	0.17	Wall	A	Intact	Beige	FIRST	C131	Building C	Null	< LOD	0.37	mg / cm ^2
289	5/4/2017 14:19	PAINT	0.86	Wall	B	Intact	Beige	FIRST	C131	Building C	Null	< LOD	0.14	mg / cm ^2
290	5/4/2017 14:19	PAINT	2.59	Wall	C	Intact	Beige	FIRST	C131	Building C	Null	< LOD	0.03	mg / cm ^2
291	5/4/2017 14:20	PAINT	2.57	Wall	D	Intact	Beige	FIRST	C131	Building C	Negative	< LOD	0.03	mg / cm ^2
292	5/4/2017 14:20	PAINT	0.51	Wall		Intact	Blue	FIRST	C131	Building C	Positive	3.1	2	mg / cm ^2
293	5/4/2017 14:20	PAINT	3.26	Floor		Intact	Blue	FIRST	C131	Building C	Negative	< LOD	0.03	mg / cm ^2
294	5/4/2017 14:20	PAINT	1.03	Sink		Intact		FIRST	C131	Building C	Negative	< LOD	0.19	mg / cm ^2
295	5/4/2017 14:21	PAINT	0.69	Toilet		Intact		FIRST	C131	Building C	Null	< LOD	0.08	mg / cm ^2
296	5/4/2017 14:21	PAINT	1.2	Wall	A	Intact	Beige	FIRST	C103	Building C	Negative	< LOD	0.03	mg / cm ^2
297	5/4/2017 14:21	PAINT	2.42	Wall	B	Intact	Beige	FIRST	C103	Building C	Negative	< LOD	0.08	mg / cm ^2
298	5/4/2017 14:22	PAINT	1.9	Wall	C	Intact	Beige	FIRST	C103	Building C	Negative	< LOD	0.03	mg / cm ^2
299	5/4/2017 14:22	PAINT	1.55	Wall	D	Intact	Beige	FIRST	C103	Building C	Negative	< LOD	0.03	mg / cm ^2
300	5/4/2017 14:22	PAINT	2.23	Wall	B	Intact	White	FIRST	C103	Building C	Negative	< LOD	0.1	mg / cm ^2
301	5/4/2017 14:22	PAINT	1.03	Sink		Intact		FIRST	C103	Building C	Negative	< LOD	0.19	mg / cm ^2
302	5/4/2017 14:23	PAINT	1.03	Toilet		Intact		FIRST	C103	Building C	Negative	< LOD	0.09	mg / cm ^2
303	5/4/2017 14:25	PAINT	2.75	Wall	A	Intact	White	FIRST	C131?	Building C	Negative	< LOD	0.03	mg / cm ^2
304	5/4/2017 14:25	PAINT	3.09	Wall	B	Intact	White	FIRST	C131?	Building C	Negative	< LOD	0.03	mg / cm ^2
305	5/4/2017 14:25	PAINT	2.23	Wall	C	Intact	White	FIRST	C131?	Building C	Negative	< LOD	0.03	mg / cm ^2
306	5/4/2017 14:26	PAINT	1.03	Pipe	D	Intact	Black	FIRST	C131?	Building C	Negative	< LOD	0.03	mg / cm ^2
307	5/4/2017 14:27	PAINT	1.03	Elevator		Intact	Brown	FIRST	Hallway	Building C	Negative	< LOD	0.36	mg / cm ^2
308	5/4/2017 14:27	PAINT	3.43	Elevator		Intact	Brown	FIRST	Hallway	Building C	Negative	< LOD	1.54	mg / cm ^2

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Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
309	5/4/2017 14:27	PAINT	2.06	Board		Intact	Brown	FIRST	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
310	5/4/2017 14:28	PAINT	1.72	Wires		Intact	Brown	FIRST	Hallway	Building C	Negative	< LOD	0.06	mg / cm ^2
311	5/4/2017 14:28	PAINT	1.03	Door		Intact	Brown	FIRST	Hallway	Building C	Negative	< LOD	0.06	mg / cm ^2
312	5/4/2017 14:28	PAINT	1.03	Door		Intact	Brown	FIRST	Hallway	Building C	Negative	< LOD	0.04	mg / cm ^2
313	5/4/2017 14:29	PAINT	3.08	Door		Intact	Brown	FIRST	Hallway	Building C	Negative	< LOD	1.82	mg / cm ^2
314	5/4/2017 14:29	PAINT	1.04	Door Frame		Intact	Brown	FIRST	Hallway	Building C	Negative	< LOD	0.19	mg / cm ^2
315	5/4/2017 14:29	PAINT	1.03	A/C		Intact	Brown	FIRST	Hallway	Building C	Negative	< LOD	0.05	mg / cm ^2
316	5/4/2017 14:30	PAINT	2.57	Wall	A	Intact	Yellow	FIRST	C127	Building C	Negative	< LOD	0.05	mg / cm ^2
317	5/4/2017 14:30	PAINT	1.03	Wall	A	Intact	Yellow	FIRST	C127	Building C	Negative	< LOD	0.03	mg / cm ^2
318	5/4/2017 14:30	PAINT	2.07	Wall	B	Intact	Yellow	FIRST	C127	Building C	Negative	< LOD	0.12	mg / cm ^2
319	5/4/2017 14:30	PAINT	2.57	Wall	C	Intact	Yellow	FIRST	C127	Building C	Negative	< LOD	0.14	mg / cm ^2
320	5/4/2017 14:31	PAINT	1.03	Wall	D	Intact	Yellow	FIRST	C127	Building C	Negative	< LOD	0.03	mg / cm ^2
321	5/4/2017 14:31	PAINT	3.24	Wall	D	Intact	Yellow	FIRST	C127	Building C	Negative	< LOD	0.18	mg / cm ^2
322	5/4/2017 14:31	PAINT	1.03	Ceiling		Intact	White	FIRST	C127	Building C	Negative	< LOD	0.22	mg / cm ^2
323	5/4/2017 14:32	PAINT	1.03	Door		Intact		FIRST	C128	Building C	Negative	< LOD	0.05	mg / cm ^2
324	5/4/2017 14:32	PAINT	1.03	Door Frame		Intact	Gray	FIRST	C128	Building C	Negative	< LOD	0.18	mg / cm ^2
325	5/4/2017 14:32	PAINT	1.03	Door Frame		Intact	Blue	FIRST	C128	Building C	Negative	< LOD	0.07	mg / cm ^2
326	5/4/2017 14:32	PAINT	3.09	Wall	A	Intact	Beige	FIRST	C128	Building C	Negative	< LOD	0.04	mg / cm ^2
327	5/4/2017 14:33	PAINT	2.06	Wall	B	Intact	Beige	FIRST	C128	Building C	Negative	< LOD	0.03	mg / cm ^2
328	5/4/2017 14:33	PAINT	2.92	Wall	C	Intact	Beige	FIRST	C128	Building C	Negative	< LOD	0.14	mg / cm ^2
329	5/4/2017 14:33	PAINT	2.06	Wall	D	Intact	Beige	FIRST	C128	Building C	Negative	< LOD	0.04	mg / cm ^2
330	5/4/2017 14:34	PAINT	2.41	Wall	D	Intact	White	FIRST	C128	Building C	Negative	< LOD	0.05	mg / cm ^2
331	5/4/2017 14:34	PAINT	1.03	Window		Intact	White	FIRST	C128	Building C	Negative	< LOD	0.03	mg / cm ^2
332	5/4/2017 14:34	PAINT	1.55	Wall	A	Intact	Beige	FIRST	C129	Building C	Null	< LOD	0.05	mg / cm ^2
333	5/4/2017 14:35	PAINT	0.17	Wall	B	Intact	Beige	FIRST	C129	Building C	Null	< LOD	0.2	mg / cm ^2
334	5/4/2017 14:35	PAINT	2.57	Wall	C	Intact	Beige	FIRST	C129	Building C	Negative	< LOD	0.05	mg / cm ^2
335	5/4/2017 14:35	PAINT	2.92	Wall	D	Intact	Beige	FIRST	C129	Building C	Negative	< LOD	0.13	mg / cm ^2
336	5/4/2017 14:35	PAINT	1.04	Door Frame	D	Intact	Brown	FIRST	C129	Building C	Negative	< LOD	0.16	mg / cm ^2
337	5/4/2017 14:36	PAINT	1.03	Door Frame	D	Intact	Blue	FIRST	C129	Building C	Negative	< LOD	0.15	mg / cm ^2
338	5/4/2017 14:36	PAINT	1.88	Cabinet	B	Intact	Beige	FIRST	C129	Building C	Negative	< LOD	0.2	mg / cm ^2
339	5/4/2017 14:36	PAINT	2.41	Wall	A	Intact	White	FIRST	C101	Building C	Negative	< LOD	0.09	mg / cm ^2
340	5/4/2017 14:37	PAINT	2.41	Wall	B	Intact	White	FIRST	C101	Building C	Negative	< LOD	0.36	mg / cm ^2
341	5/4/2017 14:37	PAINT	2.57	Wall	C	Intact	White	FIRST	C101	Building C	Negative	< LOD	0.17	mg / cm ^2
342	5/4/2017 14:37	PAINT	3.09	Wall	D	Intact	White	FIRST	C101	Building C	Negative	< LOD	0.07	mg / cm ^2
343	5/4/2017 14:38	PAINT	1.02	A/C	C	Intact	White	FIRST	C101	Building C	Negative	< LOD	0.03	mg / cm ^2
344	5/4/2017 14:38	PAINT	0.34	Cabinet	C	Intact	White	FIRST	C101	Building C	Null	< LOD	0.09	mg / cm ^2
345	5/4/2017 14:38	PAINT	1.03	Cabinet	C	Intact	White	FIRST	C101	Building C	Negative	< LOD	0.05	mg / cm ^2
346	5/4/2017 14:38	PAINT	0.68	Cabinet	C	Intact	White	FIRST	C101	Building C	Null	< LOD	0.3	mg / cm ^2
347	5/4/2017 14:39	PAINT	2.39	Wall	A	Intact	White	FIRST	C102	Building C	Negative	< LOD	0.03	mg / cm ^2
348	5/4/2017 14:39	PAINT	0.34	Wall	B	Intact	White	FIRST	C102	Building C	Null	< LOD	0.13	mg / cm ^2
349	5/4/2017 14:40	PAINT	3.09	Wall	C	Intact	White	FIRST	C102	Building C	Negative	< LOD	0.03	mg / cm ^2
350	5/4/2017 14:40	PAINT	1.71	Wall	D	Intact	White	FIRST	C102	Building C	Negative	< LOD	0.03	mg / cm ^2
351	5/4/2017 14:40	PAINT	1.03	Wall	B	Intact		FIRST	C102	Building C	Negative	< LOD	0.03	mg / cm ^2
352	5/4/2017 14:41	PAINT	2.56	Wall	A	Intact	Yellow	FIRST	Hallway	Building C	Negative	< LOD	0.16	mg / cm ^2
353	5/4/2017 14:41	PAINT	1.9	Wall	B	Intact	Yellow	FIRST	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
354	5/4/2017 14:42	PAINT	1.89	Wall	C	Intact	Yellow	FIRST	Hallway	Building C	Negative	< LOD	0.12	mg / cm ^2
355	5/4/2017 14:42	PAINT	1.04	Wall	D	Intact	Yellow	FIRST	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
356	5/4/2017 14:42	PAINT	1.03	Elevator		Intact	Gray	FIRST	Hallway	Building C	Negative	< LOD	0.14	mg / cm ^2
357	5/4/2017 14:42	PAINT	3.09	Elevator		Intact	Gray	FIRST	Hallway	Building C	Negative	< LOD	1.62	mg / cm ^2
358	5/4/2017 14:43	PAINT	1.04	Door Frame	B	Intact	Gray	FIRST	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
359	5/4/2017 14:43	PAINT	1.03	Door	B	Intact		FIRST	Hallway	Building C	Negative	< LOD	0.12	mg / cm ^2
360	5/4/2017 14:43	PAINT	1.04	A/C	C	Intact	Gray	FIRST	Hallway	Building C	Negative	< LOD	0.05	mg / cm ^2
361	5/4/2017 14:43	PAINT	1.03	Door Frame		Intact	Gray	FIRST	Hallway	Building C	Negative	< LOD	0.06	mg / cm ^2
362	5/4/2017 14:43	PAINT	1.03	Door		Intact		FIRST	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
363	5/4/2017 14:44	PAINT	1.04	Door Frame		Intact	Gray	FIRST	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
364	5/4/2017 14:44	PAINT	1.03	Door		Intact		FIRST	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
365	5/4/2017 14:44	PAINT	2.05	Door		Intact		FIRST	Hallway	Building C	Negative	< LOD	0.12	mg / cm ^2
366	5/4/2017 14:45	PAINT	1.03	Cabinet		Intact		FIRST	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
367	5/4/2017 14:47	PAINT	1.04	Door		Intact	Brown	FIRST	Stairwell	Building C	Negative	< LOD	0.17	mg / cm ^2
368	5/4/2017 14:47	PAINT	1.04	Door Frame		Intact	Brown	FIRST	Stairwell	Building C	Negative	< LOD	0.55	mg / cm ^2
369	5/4/2017 14:47	PAINT	3.11	Wall	A	Intact	Tan	FIRST	Stairwell	Building C	Negative	< LOD	0.03	mg / cm ^2

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XRF Results for Building C

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
370	5/4/2017 14:47	PAINT	3.09	Wall	B	Intact	Tan	FIRST	Stairwell	Building C	Negative	< LOD	0.11	mg / cm ^2
371	5/4/2017 14:48	PAINT	1.2	Ceiling		Intact	White	FIRST	Stairwell	Building C	Null	< LOD	0.03	mg / cm ^2
372	5/4/2017 14:48	PAINT	1.88	Ceiling		Intact	Tan	FIRST	Stairwell	Building C	Null	< LOD	0.19	mg / cm ^2
373	5/4/2017 14:49	PAINT	1.03	Railing		Intact		FIRST	Stairwell	Building C	Negative	< LOD	0.12	mg / cm ^2
374	5/4/2017 14:49	PAINT	1.04	Railing		Intact		FIRST	Stairwell	Building C	Negative	< LOD	0.24	mg / cm ^2
375	5/4/2017 14:49	PAINT	0.51	Wall	C	Intact	Tan	FIRST	Stairwell	Building C	Null	< LOD	0.87	mg / cm ^2
376	5/4/2017 14:49	PAINT	3.27	Wall	D	Intact	Tan	FIRST	Stairwell	Building C	Negative	< LOD	0.08	mg / cm ^2
377	5/4/2017 14:50	PAINT	2.92	Floor		Intact		FIRST	Stairwell	Building C	Negative	< LOD	0.03	mg / cm ^2
378	5/4/2017 14:50	PAINT	3.09	Steps		Intact		FIRST	Stairwell	Building C	Negative	< LOD	0.03	mg / cm ^2
379	5/4/2017 14:53	PAINT	3.1	Wall	A	Intact	Beige	SECOND	C223	Building C	Negative	< LOD	0.03	mg / cm ^2
380	5/4/2017 14:54	PAINT	2.42	Wall	B	Intact	Beige	SECOND	C223	Building C	Null	< LOD	0.16	mg / cm ^2
381	5/4/2017 14:54	PAINT	0.51	Wall	C	Intact	Beige	SECOND	C223	Building C	Null	< LOD	0.37	mg / cm ^2
382	5/4/2017 14:54	PAINT	2.76	Wall	D	Intact	Beige	SECOND	C223	Building C	Negative	< LOD	0.3	mg / cm ^2
383	5/4/2017 14:54	PAINT	2.41	Wall	D	Intact	Lt. Beige	SECOND	C223	Building C	Negative	< LOD	0.03	mg / cm ^2
384	5/4/2017 14:55	PAINT	1.03	A/C	A	Intact	Beige	SECOND	C223	Building C	Negative	< LOD	0.09	mg / cm ^2
385	5/4/2017 14:55	PAINT	0.35	Wall		Intact	Brown	SECOND	C223A	Building C	Positive	< LOD	5.25	mg / cm ^2
386	5/4/2017 14:56	PAINT	2.06	Wall	B	Intact	Beige	SECOND	C223A	Building C	Negative	< LOD	0.04	mg / cm ^2
387	5/4/2017 14:56	PAINT	0.51	Ceiling		Intact	White	SECOND	C223A	Building C	Null	< LOD	0.24	mg / cm ^2
388	5/4/2017 14:57	PAINT	0.34	Toilet		Intact		SECOND	C223A	Building C	Positive	< LOD	6.3	mg / cm ^2
389	5/4/2017 14:57	PAINT	0.51	Door		Intact	Brown	SECOND	C223A	Building C	Null	< LOD	0.11	mg / cm ^2
390	5/4/2017 14:57	PAINT	1.03	Door Frame		Intact	Brown	SECOND	C223A	Building C	Negative	< LOD	0.17	mg / cm ^2
391	5/4/2017 14:58	PAINT	3.1	Wall	A	Intact	Beige	SECOND	C224	Building C	Negative	< LOD	0.03	mg / cm ^2
392	5/4/2017 14:58	PAINT	3.09	Wall	B	Intact	Beige	SECOND	C224	Building C	Negative	< LOD	0.03	mg / cm ^2
393	5/4/2017 14:58	PAINT	3.07	Wall	C	Intact	Beige	SECOND	C224	Building C	Negative	< LOD	0.03	mg / cm ^2
394	5/4/2017 14:58	PAINT	2.23	Wall	D	Intact	Beige	SECOND	C224	Building C	Negative	< LOD	0.03	mg / cm ^2
395	5/4/2017 14:59	PAINT	2.06	Wall	A	Intact		SECOND	C224A	Building C	Negative	< LOD	0.06	mg / cm ^2
396	5/4/2017 14:59	PAINT	0.34	Wall		Intact	Green	SECOND	C224A	Building C	Positive	< LOD	11.85	mg / cm ^2
397	5/4/2017 14:59	PAINT	0.34	Toilet		Intact		SECOND	C224A	Building C	Positive	< LOD	6.3	mg / cm ^2
398	5/4/2017 15:00	PAINT	3.1	Wall	A	Intact	Beige	SECOND	C225	Building C	Negative	< LOD	0.19	mg / cm ^2
399	5/4/2017 15:00	PAINT	3.27	Wall	B	Intact	Beige	SECOND	C225	Building C	Negative	< LOD	1.6	mg / cm ^2
400	5/4/2017 15:00	PAINT	4.11	Wall	C	Intact	Beige	SECOND	C225	Building C	Null	< LOD	0.32	mg / cm ^2
401	5/4/2017 15:01	PAINT	2.93	Wall	D	Intact	Beige	SECOND	C225	Building C	Negative	< LOD	0.09	mg / cm ^2
402	5/4/2017 15:01	PAINT	1.03	A/C	A	Intact	Beige	SECOND	C225	Building C	Negative	< LOD	0.03	mg / cm ^2
403	5/4/2017 15:01	PAINT	1.37	Ceiling		Intact	White	SECOND	C225	Building C	Null	< LOD	0.31	mg / cm ^2
404	5/4/2017 15:02	PAINT	2.4	Wall	A	Intact	Beige	SECOND	C226	Building C	Negative	< LOD	0.03	mg / cm ^2
405	5/4/2017 15:02	PAINT	1.89	Wall	B	Intact	Beige	SECOND	C226	Building C	Negative	< LOD	0.03	mg / cm ^2
406	5/4/2017 15:02	PAINT	3.09	Wall	C	Intact	Beige	SECOND	C226	Building C	Negative	< LOD	0.03	mg / cm ^2
407	5/4/2017 15:03	PAINT	0.34	Wall	D	Intact	Beige	SECOND	C226	Building C	Null	< LOD	0.03	mg / cm ^2
408	5/4/2017 15:03	PAINT	1.03	A/C	A	Intact	Beige	SECOND	C226	Building C	Negative	< LOD	0.23	mg / cm ^2
409	5/4/2017 15:03	PAINT	3.09	Wall	A	Intact	Beige	SECOND	C227	Building C	Null	< LOD	0.11	mg / cm ^2
410	5/4/2017 15:04	PAINT	2.91	Wall	B	Intact	Beige	SECOND	C227	Building C	Negative	< LOD	0.42	mg / cm ^2
411	5/4/2017 15:04	PAINT	2.41	Wall	C	Intact	Beige	SECOND	C227	Building C	Negative	< LOD	0.19	mg / cm ^2
412	5/4/2017 15:04	PAINT	2.23	Wall	D	Intact	Beige	SECOND	C227	Building C	Negative	< LOD	0.1	mg / cm ^2
413	5/4/2017 15:04	PAINT	1.03	A/C	A	Intact	Beige	SECOND	C227	Building C	Negative	< LOD	0.06	mg / cm ^2
414	5/4/2017 15:05	PAINT	2.57	Wall	A	Intact	Beige	SECOND	C228	Building C	Negative	< LOD	0.03	mg / cm ^2
415	5/4/2017 15:05	PAINT	2.39	Wall	B	Intact	Beige	SECOND	C228	Building C	Negative	< LOD	0.03	mg / cm ^2
416	5/4/2017 15:06	PAINT	2.57	Wall	C	Intact	Beige	SECOND	C228	Building C	Negative	< LOD	0.03	mg / cm ^2
417	5/4/2017 15:06	PAINT	2.06	Wall	D	Intact	Beige	SECOND	C228	Building C	Negative	< LOD	0.03	mg / cm ^2
418	5/4/2017 15:06	PAINT	1.03	A/C	A	Intact	Beige	SECOND	C228	Building C	Negative	< LOD	0.05	mg / cm ^2
419	5/4/2017 15:07	PAINT	3.95	Wall	A	Intact	Beige	SECOND	C229	Building C	Null	< LOD	0.29	mg / cm ^2
420	5/4/2017 15:07	PAINT	1.9	Wall	B	Intact	Beige	SECOND	C229	Building C	Null	< LOD	0.42	mg / cm ^2
421	5/4/2017 15:07	PAINT	2.92	Wall	C	Intact	Beige	SECOND	C229	Building C	Negative	< LOD	0.32	mg / cm ^2
422	5/4/2017 15:08	PAINT	3.11	Wall	D	Intact	Beige	SECOND	C229	Building C	Negative	< LOD	0.36	mg / cm ^2
423	5/4/2017 15:08	PAINT	1.02	A/C	A	Intact	Beige	SECOND	C229	Building C	Negative	< LOD	0.09	mg / cm ^2
424	5/4/2017 15:08	PAINT	1.03	Cabinet	B	Intact		SECOND	C229	Building C	Negative	< LOD	0.03	mg / cm ^2
425	5/4/2017 15:09	PAINT	2.41	Wall	A	Intact	Beige	SECOND	C230	Building C	Null	< LOD	0.06	mg / cm ^2
426	5/4/2017 15:09	PAINT	2.74	Wall	B	Intact	Beige	SECOND	C230	Building C	Negative	< LOD	0.15	mg / cm ^2
427	5/4/2017 15:09	PAINT	3.09	Wall	C	Intact	Beige	SECOND	C230	Building C	Negative	< LOD	0.07	mg / cm ^2
428	5/4/2017 15:09	PAINT	0.17	Wall	D	Intact	Beige	SECOND	C230	Building C	Null	< LOD	0.11	mg / cm ^2
429	5/4/2017 15:10	PAINT	1.04	A/C	A	Intact	Beige	SECOND	C230	Building C	Negative	< LOD	0.25	mg / cm ^2
430	5/4/2017 15:10	PAINT	2.24	Wall	A	Intact	Beige	SECOND	C232	Building C	Negative	< LOD	0.05	mg / cm ^2

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XRF Results for Building C

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
431	5/4/2017 15:11	PAINT	1.89	Wall	B	Intact	Beige	SECOND	C232	Building C	Negative	< LOD	0.04	mg / cm ^2
432	5/4/2017 15:11	PAINT	2.23	Wall	C	Intact	Beige	SECOND	C232	Building C	Negative	< LOD	0.03	mg / cm ^2
433	5/4/2017 15:11	PAINT	3.11	Wall	D	Intact	Beige	SECOND	C232	Building C	Negative	< LOD	0.03	mg / cm ^2
434	5/4/2017 15:12	PAINT	1.04	A/C	A	Intact	Beige	SECOND	C232	Building C	Negative	< LOD	0.04	mg / cm ^2
435	5/4/2017 15:12	PAINT	3.27	Wall	A	Intact	Beige	SECOND	C233	Building C	Negative	< LOD	0.28	mg / cm ^2
436	5/4/2017 15:13	PAINT	2.92	Wall	B	Intact	Beige	SECOND	C233	Building C	Null	< LOD	0.25	mg / cm ^2
437	5/4/2017 15:13	PAINT	2.92	Wall	C	Intact	Beige	SECOND	C233	Building C	Negative	< LOD	0.12	mg / cm ^2
438	5/4/2017 15:13	PAINT	2.22	Wall	D	Intact	Beige	SECOND	C233	Building C	Negative	< LOD	0.22	mg / cm ^2
439	5/4/2017 15:14	PAINT	1.02	A/C	A	Intact	Beige	SECOND	C233	Building C	Negative	< LOD	0.03	mg / cm ^2
440	5/4/2017 15:14	PAINT	2.24	Wall	A	Intact	Beige	SECOND	C234	Building C	Negative	< LOD	0.07	mg / cm ^2
441	5/4/2017 15:14	PAINT	2.06	Wall	B	Intact	Beige	SECOND	C234	Building C	Null	< LOD	0.06	mg / cm ^2
442	5/4/2017 15:15	PAINT	2.39	Wall	C	Intact	Beige	SECOND	C234	Building C	Negative	< LOD	0.04	mg / cm ^2
443	5/4/2017 15:15	PAINT	1.9	Wall	D	Intact	Beige	SECOND	C234	Building C	Negative	< LOD	0.09	mg / cm ^2
444	5/4/2017 15:15	PAINT	1.02	A/C	A	Intact	Beige	SECOND	C234	Building C	Negative	< LOD	0.17	mg / cm ^2
445	5/4/2017 15:16	PAINT	1.38	Wall	A	Intact	Beige	SECOND	C212	Building C	Negative	< LOD	0.03	mg / cm ^2
446	5/4/2017 15:16	PAINT	3.08	Wall	B	Intact	Beige	SECOND	C212	Building C	Negative	< LOD	0.23	mg / cm ^2
447	5/4/2017 15:16	PAINT	1.89	Wall	C	Intact	Beige	SECOND	C212	Building C	Negative	< LOD	0.03	mg / cm ^2
448	5/4/2017 15:17	PAINT	2.4	Wall	D	Intact	Beige	SECOND	C212	Building C	Null	< LOD	0.07	mg / cm ^2
449	5/4/2017 15:17	PAINT	0.34	Wall	D	Intact	Beige	SECOND	C212	Building C	Positive	< LOD	11.55	mg / cm ^2
450	5/4/2017 15:17	PAINT	1.03	Door	B	Intact		SECOND	C212	Building C	Negative	< LOD	0.13	mg / cm ^2
451	5/4/2017 15:17	PAINT	1.02	Door Frame	B	Intact	Brown	SECOND	C212	Building C	Negative	< LOD	0.32	mg / cm ^2
452	5/4/2017 15:17	PAINT	1.03	Door Frame	B	Intact	Brown	SECOND	C212	Building C	Negative	< LOD	0.16	mg / cm ^2
453	5/4/2017 15:18	PAINT	4.64	Wall		Intact	White	SECOND	C213	Building C	Positive	1.2	0.2	mg / cm ^2
454	5/4/2017 15:18	PAINT	2.93	Wall		Intact	Green	SECOND	C213	Building C	Negative	< LOD	0.19	mg / cm ^2
455	5/4/2017 15:19	PAINT	3.26	Wall		Intact	Green	SECOND	C213	Building C	Negative	< LOD	0.16	mg / cm ^2
456	5/4/2017 15:19	PAINT	1.03	Wall	A	Intact	Lt. Blue	SECOND	C210	Building C	Negative	< LOD	0.03	mg / cm ^2
457	5/4/2017 15:19	PAINT	0.69	Wall	B	Intact	Lt. Blue	SECOND	C210	Building C	Null	< LOD	0.03	mg / cm ^2
458	5/4/2017 15:19	PAINT	0.69	Wall	C	Intact	Lt. Blue	SECOND	C210	Building C	Null	< LOD	0.03	mg / cm ^2
459	5/4/2017 15:20	PAINT	1.38	Wall	D	Intact	Lt. Blue	SECOND	C210	Building C	Negative	< LOD	0.03	mg / cm ^2
460	5/4/2017 15:20	PAINT	1.03	Door Frame	D	Intact	Blue	SECOND	C210	Building C	Negative	< LOD	0.03	mg / cm ^2
461	5/4/2017 15:21	PAINT	3.07	Closet	D	Intact		SECOND	C210	Building C	Negative	< LOD	0.11	mg / cm ^2
462	5/4/2017 15:22	PAINT	1.04	Wall	A	Intact	Beige	SECOND	C216	Building C	Null	< LOD	0.03	mg / cm ^2
463	5/4/2017 15:22	PAINT	1.37	Wall	B	Intact	Beige	SECOND	C216	Building C	Negative	< LOD	0.03	mg / cm ^2
464	5/4/2017 15:23	PAINT	1.89	Wall	C	Intact	Beige	SECOND	C216	Building C	Negative	< LOD	0.03	mg / cm ^2
465	5/4/2017 15:24	PAINT	2.93	Wall	D	Intact	Beige	SECOND	C216	Building C	Negative	< LOD	0.03	mg / cm ^2
466	5/4/2017 15:24	PAINT	1.03	Counter		Intact	White	SECOND	C216	Building C	Negative	< LOD	0.05	mg / cm ^2
467	5/4/2017 15:24	PAINT	1.03	Counter		Intact	Yellow	SECOND	C216	Building C	Negative	< LOD	0.04	mg / cm ^2
468	5/4/2017 15:25	PAINT	2.06	Wall	A	Intact	Beige	SECOND	C217	Building C	Negative	< LOD	0.05	mg / cm ^2
469	5/4/2017 15:25	PAINT	2.06	Wall	B	Intact	Beige	SECOND	C217	Building C	Null	< LOD	0.04	mg / cm ^2
470	5/4/2017 15:25	PAINT	2.23	Wall	C	Intact	Beige	SECOND	C217	Building C	Negative	< LOD	0.11	mg / cm ^2
471	5/4/2017 15:26	PAINT	0.17	Wall	D	Intact	Beige	SECOND	C217	Building C	Null	< LOD	0.2	mg / cm ^2
472	5/4/2017 15:26	PAINT	1.03	Door Frame	B	Intact	Beige	SECOND	C217	Building C	Negative	< LOD	0.07	mg / cm ^2
473	5/4/2017 15:26	PAINT	1.04	Door	B	Intact		SECOND	C217	Building C	Negative	< LOD	0.39	mg / cm ^2
474	5/4/2017 15:26	PAINT	1.02	Wall	A	Intact	Beige	SECOND	C218	Building C	Negative	< LOD	0.04	mg / cm ^2
475	5/4/2017 15:27	PAINT	0.17	Wall	B	Intact	Beige	SECOND	C218	Building C	Null	< LOD	0.03	mg / cm ^2
476	5/4/2017 15:27	PAINT	1.03	Wall	C	Intact	Beige	SECOND	C218	Building C	Negative	< LOD	0.04	mg / cm ^2
477	5/4/2017 15:27	PAINT	2.57	Wall	D	Intact	Beige	SECOND	C218	Building C	Negative	< LOD	0.1	mg / cm ^2
478	5/4/2017 15:27	PAINT	0.34	Wall	D	Intact	White	SECOND	C218	Building C	Null	< LOD	0.53	mg / cm ^2
479	5/4/2017 15:28	PAINT	1.02	Cabinet	B	Intact	Beige	SECOND	C218	Building C	Negative	< LOD	0.21	mg / cm ^2
480	5/4/2017 15:28	PAINT	1.03	Cabinet	B	Intact	Green	SECOND	C218	Building C	Negative	< LOD	0.15	mg / cm ^2
481	5/4/2017 15:29	PAINT	0.52	Wall	A	Intact	Beige	SECOND	C220	Building C	Null	< LOD	0.03	mg / cm ^2
482	5/4/2017 15:29	PAINT	0.69	Wall	B	Intact	Beige	SECOND	C220	Building C	Null	< LOD	0.03	mg / cm ^2
483	5/4/2017 15:29	PAINT	1.54	Wall	C	Intact	Beige	SECOND	C220	Building C	Negative	< LOD	0.03	mg / cm ^2
484	5/4/2017 15:29	PAINT	0.52	Wall	D	Intact	Beige	SECOND	C220	Building C	Null	< LOD	0.03	mg / cm ^2
485	5/4/2017 15:30	PAINT	1.03	Lockers		Intact		SECOND	C220	Building C	Negative	< LOD	0.03	mg / cm ^2
486	5/4/2017 15:30	PAINT	1.03	Door Frame		Intact	Brown	SECOND	C220	Building C	Negative	< LOD	0.17	mg / cm ^2
487	5/4/2017 15:30	PAINT	1.03	Door		Intact		SECOND	C220	Building C	Negative	< LOD	0.11	mg / cm ^2
488	5/4/2017 15:30	PAINT	1.2	Wall	A	Intact	Beige	SECOND	C220A	Building C	Negative	< LOD	0.03	mg / cm ^2
489	5/4/2017 15:30	PAINT	1.72	Wall	B	Intact	Beige	SECOND	C220A	Building C	Null	< LOD	0.06	mg / cm ^2
490	5/4/2017 15:31	PAINT	1.89	Wall	C	Intact	Beige	SECOND	C220A	Building C	Negative	< LOD	0.25	mg / cm ^2
491	5/4/2017 15:31	PAINT	1.88	Wall	D	Intact	Beige	SECOND	C220A	Building C	Negative	< LOD	0.13	mg / cm ^2

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XRF Results for Building C

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
492	5/4/2017 15:31	PAINT	1.03	Seat	C	Intact	Green	SECOND	C220A	Building C	Negative	< LOD	0.25	mg / cm ^2
493	5/4/2017 15:31	PAINT	1.02	Ceiling		Intact	White	SECOND	C220A	Building C	Negative	< LOD	0.34	mg / cm ^2
494	5/4/2017 15:32	PAINT	2.39	Floor		Intact		SECOND	C220A	Building C	Negative	< LOD	0.1	mg / cm ^2
495	5/4/2017 15:33	PAINT	2.4	Wall	A	Intact	Yellow	SECOND	C222	Building C	Negative	< LOD	0.05	mg / cm ^2
496	5/4/2017 15:33	PAINT	3.09	Wall	B	Intact	Yellow	SECOND	C222	Building C	Negative	< LOD	0.03	mg / cm ^2
497	5/4/2017 15:33	PAINT	2.58	Wall	C	Intact	Yellow	SECOND	C222	Building C	Null	< LOD	0.03	mg / cm ^2
498	5/4/2017 15:34	PAINT	1.72	Wall	D	Intact	Yellow	SECOND	C222	Building C	Null	< LOD	0.04	mg / cm ^2
499	5/4/2017 15:34	PAINT	1.03	Door Frame	A	Intact	Brown	SECOND	C222	Building C	Negative	< LOD	0.14	mg / cm ^2
500	5/4/2017 15:36	PAINT	1.37	Wall	A	Intact	Beige	SECOND	Hallway	Building C	Negative	< LOD	0.08	mg / cm ^2
501	5/4/2017 15:36	PAINT	1.2	Wall	B	Intact	Beige	SECOND	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
502	5/4/2017 15:36	PAINT	1.2	Wall	C	Intact	Beige	SECOND	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
503	5/4/2017 15:36	PAINT	1.37	Wall	D	Intact	Beige	SECOND	Hallway	Building C	Negative	< LOD	0.18	mg / cm ^2
504	5/4/2017 15:36	PAINT	1.03	Door Frame	B	Intact	Brown	SECOND	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
505	5/4/2017 15:37	PAINT	1.03	Door	B	Intact	Beige	SECOND	Hallway	Building C	Negative	< LOD	0.04	mg / cm ^2
506	5/4/2017 15:37	PAINT	0.68	Door Frame		Intact		SECOND	Hallway	Building C	Null	< LOD	0.04	mg / cm ^2
507	5/4/2017 15:37	PAINT	1.04	Elevator		Intact	Brown	SECOND	Hallway	Building C	Negative	< LOD	0.12	mg / cm ^2
508	5/4/2017 15:37	PAINT	1.03	Elevator		Intact	Brown	SECOND	Hallway	Building C	Negative	< LOD	0.11	mg / cm ^2
509	5/4/2017 15:38	PAINT	1.03	Panel		Intact	Brown	SECOND	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
510	5/4/2017 15:38	PAINT	1.03	Door	C	Intact		SECOND	Hallway	Building C	Negative	< LOD	0.3	mg / cm ^2
511	5/4/2017 15:38	PAINT	1.03	Door Frame	C	Intact		SECOND	Hallway	Building C	Negative	< LOD	0.13	mg / cm ^2
512	5/4/2017 15:39	PAINT	1.03	A/C		Intact	White	SECOND	Hallway	Building C	Negative	< LOD	0.12	mg / cm ^2
513	5/4/2017 15:40	PAINT	1.04	Wall	D	Intact	Beige	SECOND	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
514	5/4/2017 15:40	PAINT	1.03	Wall		Intact	Brown	SECOND	Hallway	Building C	Negative	< LOD	0.04	mg / cm ^2
515	5/4/2017 15:40	PAINT	3.09	Baseboard		Intact	Brown	SECOND	Hallway	Building C	Negative	< LOD	0.03	mg / cm ^2
516	5/4/2017 15:42	PAINT	1.88	Wall	A	Intact	Beige	SECOND	C221	Building C	Negative	< LOD	0.24	mg / cm ^2
517	5/4/2017 15:42	PAINT	1.71	Wall	C	Intact	Beige	SECOND	C221	Building C	Null	< LOD	0.09	mg / cm ^2
518	5/4/2017 15:42	PAINT	1.54	Wall	D	Intact	Beige	SECOND	C221	Building C	Negative	< LOD	0.05	mg / cm ^2
519	5/4/2017 15:43	PAINT	1.03	Cabinet	A	Intact	Beige	SECOND	C221	Building C	Negative	< LOD	0.04	mg / cm ^2
520	5/4/2017 15:43	PAINT	1.03	Cabinet	A	Intact	Beige	SECOND	C221	Building C	Negative	< LOD	0.09	mg / cm ^2
521	5/4/2017 15:43	PAINT	0.17	Cabinet	B	Intact	Beige	SECOND	C221	Building C	Null	< LOD	0.11	mg / cm ^2
522	5/4/2017 15:43	PAINT	1.02	Cabinet	C	Intact	Beige	SECOND	C221	Building C	Negative	< LOD	0.05	mg / cm ^2
523	5/4/2017 15:44	PAINT	1.04	Wall	A	Intact	Beige	SECOND	C219	Building C	Negative	< LOD	0.17	mg / cm ^2
524	5/4/2017 15:44	PAINT	1.72	Wall	A	Intact	Beige	SECOND	C219	Building C	Negative	< LOD	0.03	mg / cm ^2
525	5/4/2017 15:44	PAINT	2.05	Wall	B	Intact	Beige	SECOND	C219	Building C	Negative	< LOD	0.03	mg / cm ^2
526	5/4/2017 15:45	PAINT	2.74	Wall	C	Intact	Beige	SECOND	C219	Building C	Negative	< LOD	0.23	mg / cm ^2
527	5/4/2017 15:45	PAINT	3.09	Wall	D	Intact	Beige	SECOND	C219	Building C	Negative	< LOD	0.07	mg / cm ^2
528	5/4/2017 15:46	PAINT	1.04	Wall	A	Intact	Beige	SECOND	C219	Building C	Negative	< LOD	0.03	mg / cm ^2
529	5/4/2017 15:46	PAINT	1.72	Wall	A	Intact	Beige	SECOND	C202	Building C	Negative	< LOD	0.03	mg / cm ^2
530	5/4/2017 15:46	PAINT	1.88	Wall	B	Intact	Beige	SECOND	C202	Building C	Null	< LOD	0.03	mg / cm ^2
531	5/4/2017 15:47	PAINT	1.89	Wall	C	Intact	Beige	SECOND	C202	Building C	Negative	< LOD	0.03	mg / cm ^2
532	5/4/2017 15:47	PAINT	2.75	Wall	D	Intact	Beige	SECOND	C202	Building C	Negative	< LOD	0.16	mg / cm ^2
533	5/4/2017 15:47	PAINT	1.02	A/C		Intact	Beige	SECOND	C202	Building C	Negative	< LOD	0.04	mg / cm ^2
534	5/4/2017 15:48	PAINT	1.03	Shelving		Intact	Beige	SECOND	C202	Building C	Negative	< LOD	0.07	mg / cm ^2
535	5/4/2017 15:48	PAINT	1.54	Wall	A	Intact	Beige	SECOND	C203	Building C	Negative	< LOD	0.03	mg / cm ^2
536	5/4/2017 15:48	PAINT	1.55	Wall	B	Intact	Beige	SECOND	C203	Building C	Negative	< LOD	0.03	mg / cm ^2
537	5/4/2017 15:49	PAINT	1.2	Wall	C	Intact	Beige	SECOND	C203	Building C	Null	< LOD	0.04	mg / cm ^2
538	5/4/2017 15:49	PAINT	2.76	Wall	D	Intact	Beige	SECOND	C203	Building C	Negative	< LOD	0.03	mg / cm ^2
539	5/4/2017 15:49	PAINT	1.04		A	Intact	Beige	SECOND	C203	Building C	Null	< LOD	0.03	mg / cm ^2
540	5/4/2017 15:50	PAINT	2.4	Wall	A	Intact	Beige	SECOND	C204	Building C	Null	< LOD	0.16	mg / cm ^2
541	5/4/2017 15:51	PAINT	2.23	Wall	B	Intact	Beige	SECOND	C204	Building C	Negative	< LOD	0.09	mg / cm ^2
542	5/4/2017 15:51	PAINT	2.76	Wall	C	Intact	Beige	SECOND	C204	Building C	Negative	< LOD	0.22	mg / cm ^2
543	5/4/2017 15:52	PAINT	2.57	Wall	D	Intact	Beige	SECOND	C204	Building C	Negative	< LOD	0.06	mg / cm ^2
544	5/4/2017 15:52	PAINT	1.04	A/C		Intact	Beige	SECOND	C204	Building C	Negative	< LOD	0.06	mg / cm ^2
545	5/4/2017 15:53	PAINT	2.4	Wall	A	Intact	Beige	SECOND	C205	Building C	Negative	< LOD	0.03	mg / cm ^2
546	5/4/2017 15:53	PAINT	2.07	Wall	B	Intact	Beige	SECOND	C205	Building C	Null	< LOD	0.03	mg / cm ^2
547	5/4/2017 15:53	PAINT	2.74	Wall	C	Intact	Beige	SECOND	C205	Building C	Negative	< LOD	0.03	mg / cm ^2
548	5/4/2017 15:53	PAINT	2.75	Wall	D	Intact	Beige	SECOND	C205	Building C	Negative	< LOD	0.03	mg / cm ^2
549	5/4/2017 15:54	PAINT	0.17	A/C	C	Intact	Beige	SECOND	C205	Building C	Null	< LOD	1.65	mg / cm ^2
550	5/4/2017 15:54	PAINT	2.23	Wall	A	Intact	Beige	SECOND	C206	Building C	Negative	< LOD	0.13	mg / cm ^2
551	5/4/2017 15:54	PAINT	2.91	Wall	B	Intact	Beige	SECOND	C206	Building C	Negative	< LOD	0.14	mg / cm ^2
552	5/4/2017 15:55	PAINT	1.71	Wall	C	Intact	Beige	SECOND	C206	Building C	Null	< LOD	0.09	mg / cm ^2

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XRF Results for Building C

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
553	5/4/2017 15:55	PAINT	2.05	Wall	D	Intact	Beige	SECOND	C206	Building C	Null	< LOD	0.1	mg / cm ^2
554	5/4/2017 15:55	PAINT	1.72	Wall	A	Intact	Beige	SECOND	C207	Building C	Negative	< LOD	0.21	mg / cm ^2
555	5/4/2017 15:56	PAINT	1.9	Wall	B	Intact	Beige	SECOND	C207	Building C	Null	< LOD	0.03	mg / cm ^2
556	5/4/2017 15:56	PAINT	2.58	Wall	C	Intact	Beige	SECOND	C207	Building C	Negative	< LOD	0.03	mg / cm ^2
557	5/4/2017 15:56	PAINT	2.58	Wall	D	Intact	Beige	SECOND	C207	Building C	Negative	< LOD	0.16	mg / cm ^2
558	5/4/2017 15:57	PAINT	3.11	Wall	A	Intact	Beige	SECOND	C208	Building C	Negative	< LOD	0.15	mg / cm ^2
559	5/4/2017 15:57	PAINT	3.27	Wall	B	Intact	Beige	SECOND	C208	Building C	Negative	< LOD	0.14	mg / cm ^2
560	5/4/2017 15:57	PAINT	2.93	Wall	C	Intact	Beige	SECOND	C208	Building C	Negative	< LOD	0.06	mg / cm ^2
561	5/4/2017 15:58	PAINT	1.89	Wall	D	Intact	Beige	SECOND	C208	Building C	Negative	< LOD	0.13	mg / cm ^2
562	5/4/2017 15:58	PAINT	1.73	Wall	A	Intact	Beige	SECOND	C215	Building C	Negative	< LOD	0.03	mg / cm ^2
563	5/4/2017 15:59	PAINT	1.55	Wall	B	Intact	Beige	SECOND	C215	Building C	Negative	< LOD	0.03	mg / cm ^2
564	5/4/2017 15:59	PAINT	2.74	Wall	C	Intact	Beige	SECOND	C215	Building C	Null	< LOD	0.05	mg / cm ^2
565	5/4/2017 15:59	PAINT	3.09	Wall	D	Intact	Beige	SECOND	C215	Building C	Negative	< LOD	0.06	mg / cm ^2
566	5/4/2017 16:00	PAINT	1.72	Wall		Intact		SECOND	C215	Building C	Negative	< LOD	0.14	mg / cm ^2
567	5/4/2017 16:00	PAINT	3.1	Wall	A	Intact	Beige	SECOND	C215	Building C	Negative	< LOD	0.03	mg / cm ^2
568	5/4/2017 16:01	PAINT	1.03	Door Frame		Intact	Brown	SECOND	C215	Building C	Negative	< LOD	0.03	mg / cm ^2
569	5/4/2017 16:01	PAINT	1.03	Door		Intact		SECOND	C215	Building C	Negative	< LOD	0.04	mg / cm ^2
570	5/4/2017 16:01	PAINT	1.04	Toilet		Intact	White	SECOND	C215	Building C	Negative	< LOD	0.04	mg / cm ^2
571	5/4/2017 16:02	PAINT	3.44	Calibration		Intact		SECOND			Positive	1.2	0.2	mg / cm ^2
572	5/4/2017 16:02	PAINT	3.28	Calibration		Intact		SECOND			Positive	1.2	0.2	mg / cm ^2
573	5/4/2017 16:02	PAINT	3.29	Calibration		Intact		SECOND			Positive	1.2	0.2	mg / cm ^2
574	5/4/2017 16:03	PAINT	2.4	Wall	A	Intact	Beige	SECOND	C209	Building C	Negative	< LOD	0.22	mg / cm ^2
575	5/4/2017 16:04	PAINT	1.39	Wall	B	Intact	Beige	SECOND	C209	Building C	Negative	< LOD	0.03	mg / cm ^2
576	5/4/2017 16:04	PAINT	2.93	Wall	C	Intact	Beige	SECOND	C209	Building C	Negative	< LOD	0.03	mg / cm ^2
577	5/4/2017 16:04	PAINT	3.79	Wall	D	Intact	Beige	SECOND	C209	Building C	Negative	< LOD	0.14	mg / cm ^2
578	5/4/2017 16:05	PAINT	1.03	Cabinet	D	Intact	Brown	SECOND	C209	Building C	Negative	< LOD	0.18	mg / cm ^2
579	5/4/2017 16:05	PAINT	1.03	Cabinet	D	Intact	Brown	SECOND	C209	Building C	Negative	< LOD	0.03	mg / cm ^2
580	5/4/2017 16:05	PAINT	1.03	A/C	C	Intact	Brown	SECOND	C209	Building C	Negative	< LOD	0.06	mg / cm ^2
581	5/4/2017 16:06	PAINT	0.86	Wall	A	Intact	Lt. Blue	SECOND	C214	Building C	Null	< LOD	0.21	mg / cm ^2
582	5/4/2017 16:06	PAINT	3.08	Wall	B	Intact	Lt. Blue	SECOND	C214	Building C	Negative	< LOD	0.03	mg / cm ^2
583	5/4/2017 16:06	PAINT	1.38	Wall	C	Intact	Lt. Blue	SECOND	C214	Building C	Null	< LOD	0.03	mg / cm ^2
584	5/4/2017 16:06	PAINT	1.54	Wall	D	Intact	Lt. Blue	SECOND	C214	Building C	Negative	< LOD	0.03	mg / cm ^2
585	5/4/2017 16:07	PAINT	0.17	Shelving	B	Intact	Brown	SECOND	C214	Building C	Null	< LOD	0.03	mg / cm ^2
586	5/4/2017 16:07	PAINT	1.03	Cabinet	B	Intact	Brown	SECOND	C214	Building C	Negative	< LOD	0.04	mg / cm ^2
587	5/4/2017 16:07	PAINT	1.03	Door Frame	C	Intact	Brown	SECOND	C214	Building C	Negative	< LOD	0.04	mg / cm ^2
588	5/4/2017 16:07	PAINT	1.03	Door	C	Intact	Brown	SECOND	C214	Building C	Negative	< LOD	0.05	mg / cm ^2
589	5/4/2017 16:08	PAINT	1.03	Door Frame		Intact	Blue	SECOND	btw 209 & 214	Building C	Negative	< LOD	0.09	mg / cm ^2
590	5/4/2017 16:08	PAINT	1.03	Door Frame		Intact	Brown	SECOND	btw 209 & 214	Building C	Negative	< LOD	0.25	mg / cm ^2
591	5/4/2017 16:09	PAINT	1.04	Gate		Intact		THIRD	Stairs	Building C	Negative	< LOD	0.17	mg / cm ^2
592	5/4/2017 16:17	PAINT	8.61	Calibration		Intact		THIRD			Positive	1.1	0.1	mg / cm ^2
593	5/4/2017 16:17	PAINT	5.52	Calibration		Intact		THIRD			Positive	1	0.1	mg / cm ^2
594	5/4/2017 16:18	PAINT	12.39	Calibration		Intact		THIRD			Positive	1	0.1	mg / cm ^2
1559	5/8/2017 08:28	SHUTTER CAL	154.7			Intact						2.39	0	cps
1560	5/8/2017 08:36	PAINT	8.24	Calibration		Intact					Positive	1.1	0.1	mg / cm ^2
1561	5/8/2017 08:37	PAINT	7.53	Calibration		Intact					Positive	1.1	0.1	mg / cm ^2
1562	5/8/2017 08:37	PAINT	5.5	Calibration		Intact					Negative	0.9	0.1	mg / cm ^2
1563	5/8/2017 08:48	PAINT	3.25	WALL	A	Intact	GREEN	THIRD	309	Building C	Negative	0.11	0.06	mg / cm ^2
1564	5/8/2017 08:48	PAINT	3.06	WALL	B	Intact	GREEN	THIRD	309	Building C	Negative	< LOD	0.08	mg / cm ^2
1565	5/8/2017 08:48	PAINT	1.37	WALL	C	Intact	GREEN	THIRD	309	Building C	Null	< LOD	0.13	mg / cm ^2
1566	5/8/2017 08:49	PAINT	2.39	WALL	D	Intact	GREEN	THIRD	309	Building C	Null	< LOD	0.11	mg / cm ^2
1567	5/8/2017 08:49	PAINT	3.06	WALL	A	Intact	WHITE	THIRD	309	Building C	Negative	0.23	0.12	mg / cm ^2
1568	5/8/2017 08:50	PAINT	3.06	WALL	A	Intact	WHITE	THIRD	309	Building C	Negative	< LOD	0.09	mg / cm ^2
1569	5/8/2017 08:50	PAINT	1.37	WALL	A	Intact	WHITE	THIRD	309	Building C	Null	< LOD	0.2	mg / cm ^2
1570	5/8/2017 08:50	PAINT	2.05	WALL	A	Intact	WHITE	THIRD	309	Building C	Null	< LOD	0.13	mg / cm ^2
1571	5/8/2017 08:50	PAINT	1.02	DOOR	C	Intact	WHITE	THIRD	309	Building C	Negative	< LOD	0.22	mg / cm ^2
1572	5/8/2017 08:51	PAINT	1.02	DOOR	C	Intact	WHITE	THIRD	309	Building C	Negative	< LOD	0.27	mg / cm ^2
1573	5/8/2017 08:52	PAINT	2.73	WALL	A	Intact	WHITE	THIRD	309	Building C	Null	< LOD	0.04	mg / cm ^2
1574	5/8/2017 08:53	PAINT	1.02	WALL	A	Intact	WHITE	THIRD	309	Building C	Null	< LOD	0.15	mg / cm ^2
1575	5/8/2017 08:53	PAINT	0.51	WALL	A	Intact	WHITE	THIRD	309	Building C	Null	< LOD	0.21	mg / cm ^2
1576	5/8/2017 08:53	PAINT	0.17	WALL	A	Intact	WHITE	THIRD	309	Building C	Null	< LOD	0.7	mg / cm ^2
1577	5/8/2017 08:54	PAINT	3.25	WALL	A	Intact	GREEN	THIRD	309	Building C	Negative	< LOD	0.06	mg / cm ^2

Hattiesburg Police Department

XRF Results for Building C

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1578	5/8/2017 08:54	PAINT	2.05	WALL	A	Intact	GREEN	THIRD	309	Building C	Null	< LOD	0.05	mg / cm ^2
1579	5/8/2017 08:54	PAINT	3.25	WALL	A	Intact	GREEN	THIRD	309	Building C	Negative	< LOD	0.03	mg / cm ^2
1580	5/8/2017 08:54	PAINT	2.56	WALL	A	Intact	GREEN	THIRD	309	Building C	Negative	< LOD	0.35	mg / cm ^2
1581	5/8/2017 08:55	PAINT	1.02	DOOR	C	Intact	WHITE	THIRD	309	Building C	Negative	< LOD	0.12	mg / cm ^2
1582	5/8/2017 08:55	PAINT	1.02	DOOR	C	Intact	WHITE	THIRD	309	Building C	Negative	< LOD	0.54	mg / cm ^2
1583	5/8/2017 08:57	PAINT	3.08	WALL	A	Intact	BEIGE	THIRD	305	Building C	Negative	< LOD	0.03	mg / cm ^2
1584	5/8/2017 08:57	PAINT	3.24	WALL	B	Intact	BEIGE	THIRD	305	Building C	Negative	< LOD	0.1	mg / cm ^2
1585	5/8/2017 08:57	PAINT	2.91	WALL	C	Intact	BEIGE	THIRD	305	Building C	Negative	< LOD	0.27	mg / cm ^2
1586	5/8/2017 08:58	PAINT	2.22	WALL	D	Intact	BEIGE	THIRD	305	Building C	Negative	< LOD	0.14	mg / cm ^2
1587	5/8/2017 08:58	PAINT	3.25	WALL	A	Intact	GREEN	THIRD	305a	Building C	Negative	0.05	0.03	mg / cm ^2
1588	5/8/2017 08:59	PAINT	2.57	WALL	B	Intact	GREEN	THIRD	305a	Building C	Negative	< LOD	0.06	mg / cm ^2
1589	5/8/2017 08:59	PAINT	0.51	WALL	C	Intact	GREEN	THIRD	305a	Building C	Null	< LOD	0.19	mg / cm ^2
1590	5/8/2017 08:59	PAINT	0.51	WALL	D	Intact	GREEN	THIRD	305a	Building C	Null	< LOD	0.28	mg / cm ^2
1591	5/8/2017 08:59	PAINT	3.26	WALL	B	Intact	WHITE	THIRD	305a	Building C	Negative	0.04	0.02	mg / cm ^2
1592	5/8/2017 09:00	PAINT	2.4	WALL	C	Intact	WHITE	THIRD	305a	Building C	Negative	< LOD	0.05	mg / cm ^2
1593	5/8/2017 09:00	PAINT	1.03	DOOR	D	Intact	WHITE	THIRD	305a	Building C	Negative	< LOD	0.32	mg / cm ^2
1594	5/8/2017 09:00	PAINT	1.02	DOOR	D	Intact	WHITE	THIRD	305a	Building C	Negative	< LOD	0.32	mg / cm ^2
1595	5/8/2017 09:01	PAINT	1.03	DOOR	C	Intact	WHITE	THIRD	305a	Building C	Negative	< LOD	0.35	mg / cm ^2
1596	5/8/2017 09:02	PAINT	1.03	DOOR	C	Intact	WHITE	THIRD	305a	Building C	Negative	< LOD	0.08	mg / cm ^2
1597	5/8/2017 09:02	PAINT	2.39	WALL	A	Intact	GREEN	THIRD	312	Building C	Negative	< LOD	0.15	mg / cm ^2
1598	5/8/2017 09:03	PAINT	2.22	WALL	B	Intact	GREEN	THIRD	312	Building C	Negative	< LOD	0.04	mg / cm ^2
1599	5/8/2017 09:03	PAINT	2.22	WALL	C	Intact	GREEN	THIRD	312	Building C	Null	< LOD	0.08	mg / cm ^2
1600	5/8/2017 09:03	PAINT	0.85	WALL	D	Intact	GREEN	THIRD	312	Building C	Null	< LOD	0.38	mg / cm ^2
1601	5/8/2017 09:04	PAINT	3.25	WALL	A	Intact	BEIGE	THIRD	312	Building C	Negative	< LOD	0.03	mg / cm ^2
1602	5/8/2017 09:04	PAINT	1.71	WALL	B	Intact	WHITE	THIRD	312	Building C	Negative	< LOD	0.03	mg / cm ^2
1603	5/8/2017 09:05	PAINT	2.22	WALL	D	Intact	WHITE	THIRD	312	Building C	Negative	< LOD	0.03	mg / cm ^2
1604	5/8/2017 09:05	PAINT	3.25	WALL	D	Intact	GREEN dark	THIRD	312	Building C	Negative	< LOD	0.03	mg / cm ^2
1605	5/8/2017 09:07	PAINT	3.58	WALL	A	Intact	GREEN	THIRD	301	Building C	Negative	< LOD	0.03	mg / cm ^2
1606	5/8/2017 09:07	PAINT	1.88	WALL	B	Intact	GREEN	THIRD	301	Building C	Negative	< LOD	0.04	mg / cm ^2
1607	5/8/2017 09:08	PAINT	1.02	WALL	C	Intact	GREEN	THIRD	301	Building C	Null	< LOD	0.2	mg / cm ^2
1608	5/8/2017 09:08	PAINT	1.02	WALL	D	Intact	GREEN	THIRD	301	Building C	Null	< LOD	0.32	mg / cm ^2
1609	5/8/2017 09:08	PAINT	1.03	COLUMN	C	Intact	WHITE	THIRD	301	Building C	Negative	< LOD	0.42	mg / cm ^2
1610	5/8/2017 09:09	PAINT	1.03	CABINET	D	Intact	BEIGE	THIRD	301	Building C	Negative	< LOD	0.27	mg / cm ^2
1611	5/8/2017 09:10	PAINT	0.85	WALL	A	Intact	GREEN	THIRD	315	Building C	Null	< LOD	0.23	mg / cm ^2
1612	5/8/2017 09:10	PAINT	3.41	WALL	B	Intact	GREEN	THIRD	315	Building C	Negative	< LOD	0.05	mg / cm ^2
1613	5/8/2017 09:10	PAINT	2.57	WALL	C	Intact	GREEN	THIRD	315	Building C	Negative	< LOD	0.04	mg / cm ^2
1614	5/8/2017 09:11	PAINT	1.19	WALL	D	Intact	GREEN	THIRD	315	Building C	Null	< LOD	0.09	mg / cm ^2
1615	5/8/2017 09:12	PAINT	2.06	WALL	A	Intact	WHITE	THIRD	316	Building C	Negative	< LOD	0.03	mg / cm ^2
1616	5/8/2017 09:12	PAINT	1.89	WALL	C	Intact	WHITE	THIRD	316	Building C	Negative	< LOD	0.09	mg / cm ^2
1617	5/8/2017 09:12	PAINT	2.4	WALL	D	Intact	WHITE	THIRD	316	Building C	Null	< LOD	0.07	mg / cm ^2
1618	5/8/2017 09:13	PAINT	1.03	WALL	D	Intact	black	THIRD	316	Building C	Negative	< LOD	0.15	mg / cm ^2
1619	5/8/2017 09:14	PAINT	3.24	WALL	A	Intact	GREEN	THIRD	318		Positive	2.5	1.2	mg / cm ^2
1620	5/8/2017 09:15	PAINT	3.26	WALL	B	Intact	GREEN	THIRD	318		Positive	2.2	1.2	mg / cm ^2
1621	5/8/2017 09:15	PAINT	1.37	WALL	C	Intact	GREEN	THIRD	318	Building C	Null	< LOD	0.07	mg / cm ^2
1622	5/8/2017 09:16	PAINT	0.34	WALL	D	Intact	GREEN	THIRD	318	Building C	Null	< LOD	0.26	mg / cm ^2
1623	5/8/2017 09:16	PAINT	0.34	WINDOW	A	Intact	GREEN	THIRD	318		Positive	< LOD	98.55	mg / cm ^2
1624	5/8/2017 09:17	PAINT	1.02	CABINET	A	Intact	GREEN	THIRD	318	Building C	Negative	< LOD	0.67	mg / cm ^2
1625	5/8/2017 09:17	PAINT	1.02	DOOR	D	Intact	WHITE	THIRD	318	Building C	Negative	< LOD	0.27	mg / cm ^2
1626	5/8/2017 09:18	PAINT	1.02	DOOR	D	Intact	WHITE	THIRD	318	Building C	Negative	< LOD	0.16	mg / cm ^2
1627	5/8/2017 09:18	PAINT	2.4	WALL	D	Intact	GREEN	THIRD	318a	Building C	Null	< LOD	0.04	mg / cm ^2
1628	5/8/2017 09:19	PAINT	3.23	WALL	A	Intact	GREEN	THIRD	318b	Building C	Negative	0.07	0.04	mg / cm ^2
1629	5/8/2017 09:20	PAINT	2.22	WALL	A	Intact	GREEN	THIRD	318b	Building C	Negative	< LOD	0.1	mg / cm ^2
1630	5/8/2017 09:20	PAINT	3.26	WALL	A	Intact	GREEN	THIRD	318b	Building C	Negative	< LOD	0.04	mg / cm ^2
1631	5/8/2017 09:20	PAINT	0.34	WALL	A	Intact	GREEN	THIRD	318b	Building C	Null	< LOD	0.2	mg / cm ^2
1632	5/8/2017 09:21	PAINT	1.02	DOOR	B	Intact	WHITE	THIRD	318b	Building C	Negative	< LOD	0.27	mg / cm ^2
1633	5/8/2017 09:21	PAINT	0.34	DOOR	B	Intact	WHITE	THIRD	318b	Building C	Null	< LOD	0.22	mg / cm ^2
1634	5/8/2017 09:21	PAINT	0.34	WINDOW	C	Intact	GREEN	THIRD	318b		Positive	< LOD	102.15	mg / cm ^2
1635	5/8/2017 09:24	PAINT	1.19	WALL	A	Intact	GREEN	THIRD	320&321	Building C	Null	< LOD	0.19	mg / cm ^2
1636	5/8/2017 09:24	PAINT	2.4	WALL	B	Intact	GREEN	THIRD	320&321	Building C	Negative	< LOD	0.05	mg / cm ^2
1637	5/8/2017 09:24	PAINT	1.53	WALL	C	Intact	GREEN	THIRD	320&321	Building C	Null	< LOD	0.2	mg / cm ^2
1638	5/8/2017 09:25	PAINT	1.03	WALL	D	Intact	GREEN	THIRD	320&321	Building C	Null	< LOD	0.16	mg / cm ^2

Hattiesburg Police Department

XRF Results for Building C

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1639	5/8/2017 09:26	PAINT	1.36	WALL	A	Intact	GREEN	THIRD	324	Building C	Null	< LOD	0.09	mg / cm ^2
1640	5/8/2017 09:26	PAINT	3.42	WALL	B	Intact	GREEN	THIRD	324	Building C	Negative	< LOD	0.03	mg / cm ^2
1641	5/8/2017 09:26	PAINT	3.24	WALL	C	Intact	GREEN	THIRD	324	Building C	Negative	< LOD	0.04	mg / cm ^2
1642	5/8/2017 09:27	PAINT	3.24	WALL	D	Intact	GREEN	THIRD	324	Building C	Negative	< LOD	0.05	mg / cm ^2
1643	5/8/2017 09:28	PAINT	3.24	WALL	A	Intact	GREEN	THIRD	326&326a	Building C	Negative	< LOD	0.05	mg / cm ^2
1644	5/8/2017 09:28	PAINT	0.68	WALL	B	Intact	GREEN	THIRD	326&326a	Building C	Null	< LOD	0.14	mg / cm ^2
1645	5/8/2017 09:28	PAINT	3.08	WALL	C	Intact	GREEN	THIRD	326&326a	Building C	Negative	< LOD	0.04	mg / cm ^2
1646	5/8/2017 09:28	PAINT	2.72	WALL	D	Intact	GREEN	THIRD	326&326a	Building C	Negative	< LOD	0.09	mg / cm ^2
1647	5/8/2017 09:29	PAINT	1.02	DOOR	A	Intact	WHITE	THIRD	326&326a	Building C	Negative	< LOD	0.78	mg / cm ^2
1648	5/8/2017 09:29	PAINT	1.02	DOOR	A	Intact	WHITE	THIRD	326&326a	Building C	Negative	< LOD	0.24	mg / cm ^2
1649	5/8/2017 09:30	PAINT	0.34	tile	A	Intact	GREEN	THIRD	HALL		Positive	< LOD	4.5	mg / cm ^2
1650	5/8/2017 09:30	PAINT	0.34	tile	A	Intact	BROWN	THIRD	HALL		Positive	< LOD	6.3	mg / cm ^2
1651	5/8/2017 09:31	PAINT	1.03	DOOR doubly	A	Intact	WHITE	THIRD	HALL	Building C	Negative	< LOD	0.36	mg / cm ^2
1652	5/8/2017 09:31	PAINT	1.02	DOOR doubly	A	Intact	WHITE	THIRD	HALL	Building C	Negative	< LOD	0.13	mg / cm ^2
1653	5/8/2017 09:33	PAINT	2.56	WALL	A	Intact	WHITE	THIRD	312	Building C	Null	< LOD	0.03	mg / cm ^2
1654	5/8/2017 09:33	PAINT	3.06	WALL	B	Intact	WHITE	THIRD	312	Building C	Negative	< LOD	0.03	mg / cm ^2
1655	5/8/2017 09:34	PAINT	1.03	WALL	C	Intact	WHITE	THIRD	312	Building C	Negative	< LOD	0.03	mg / cm ^2
1656	5/8/2017 09:35	PAINT	1.7	WALL	D	Intact	GREEN	THIRD	312	Building C	Null	< LOD	0.12	mg / cm ^2
1657	5/8/2017 09:35	PAINT	3.07	WALL	A	Intact	GREEN	THIRD	312	Building C	Negative	< LOD	0.12	mg / cm ^2
1658	5/8/2017 09:36	PAINT	3.25	WALL	A	Intact	GREEN	THIRD	312	Building C	Negative	< LOD	0.03	mg / cm ^2
1659	5/8/2017 09:36	PAINT	2.06	WALL	A	Intact	GREEN	THIRD	312	Building C	Null	< LOD	0.03	mg / cm ^2
1660	5/8/2017 09:37	PAINT	1.02	WINDOW	D	Intact	WHITE	THIRD	312	Building C	Negative	< LOD	0.14	mg / cm ^2
1661	5/8/2017 09:37	PAINT	1.02	WINDOW	D	Intact	WHITE	THIRD	312	Building C	Negative	< LOD	0.16	mg / cm ^2
1662	5/8/2017 09:38	PAINT	1.03	pipe	D	Intact	black	THIRD	312	Building C	Negative	< LOD	0.03	mg / cm ^2
1663	5/8/2017 09:38	PAINT	1.02	pipe	D	Intact	black	THIRD	312	Building C	Negative	< LOD	0.04	mg / cm ^2
1664	5/8/2017 09:38	PAINT	1.19	pipe	D	Intact	black	THIRD	312	Building C	Negative	< LOD	0.03	mg / cm ^2
1665	5/8/2017 09:39	PAINT	1.03	DOOR	D	Intact	WHITE	THIRD	312b	Building C	Negative	< LOD	0.33	mg / cm ^2
1666	5/8/2017 09:39	PAINT	1.02	DOOR	D	Intact	WHITE	THIRD	312b	Building C	Negative	< LOD	0.19	mg / cm ^2
1667	5/8/2017 09:40	PAINT	1.02	WINDOW	B	Intact	WHITE	THIRD	312b	Building C	Negative	< LOD	0.29	mg / cm ^2
1668	5/8/2017 09:40	PAINT	1.02	WINDOW	B	Intact	WHITE	THIRD	312b	Building C	Negative	< LOD	0.15	mg / cm ^2
1669	5/8/2017 09:41	PAINT	2.22	WALL	A	Intact	WHITE	THIRD	312b	Building C	Negative	< LOD	0.05	mg / cm ^2
1670	5/8/2017 09:41	PAINT	2.24	WALL	B	Intact	WHITE	THIRD	312b	Building C	Negative	< LOD	0.03	mg / cm ^2
1671	5/8/2017 09:42	PAINT	2.41	WALL	C	Intact	WHITE	THIRD	312b	Building C	Negative	< LOD	0.08	mg / cm ^2
1672	5/8/2017 09:42	PAINT	2.23	WALL	D	Intact	WHITE	THIRD	312b	Building C	Negative	< LOD	0.04	mg / cm ^2
1673	5/8/2017 09:42	PAINT	1.02	CABINET	C	Intact	GREEN	THIRD	312b	Building C	Negative	< LOD	0.3	mg / cm ^2
1674	5/8/2017 09:42	PAINT	1.03	CABINET	C	Intact	GREEN	THIRD	312b	Building C	Negative	< LOD	0.42	mg / cm ^2
1675	5/8/2017 09:44	PAINT	3.26	WALL	A	Intact	WHITE	THIRD	311	Building C	Negative	< LOD	0.03	mg / cm ^2
1676	5/8/2017 09:45	PAINT	1.2	WALL	B	Intact	WHITE	THIRD	311	Building C	Null	< LOD	0.03	mg / cm ^2
1677	5/8/2017 09:45	PAINT	1.88	WALL	C	Intact	WHITE	THIRD	311	Building C	Null	< LOD	0.03	mg / cm ^2
1678	5/8/2017 09:46	PAINT	2.21	WALL	D	Intact	WHITE	THIRD	311	Building C	Negative	< LOD	0.03	mg / cm ^2
1679	5/8/2017 09:46	PAINT	2.05	WALL	D	Intact	GREEN	THIRD	311	Building C	Negative	< LOD	0.03	mg / cm ^2
1680	5/8/2017 09:48	PAINT	3.42	WALL	A	Intact	GREEN	THIRD	311b	Building C	Negative	< LOD	0.11	mg / cm ^2
1681	5/8/2017 09:49	PAINT	3.25	WALL	B	Intact	GREEN	THIRD	311b	Building C	Negative	< LOD	0.03	mg / cm ^2
1682	5/8/2017 09:49	PAINT	3.25	WALL	C	Intact	GREEN	THIRD	311b	Building C	Negative	< LOD	0.03	mg / cm ^2
1683	5/8/2017 09:49	PAINT	1.02	WALL	D	Intact	GREEN	THIRD	311b	Building C	Negative	< LOD	0.13	mg / cm ^2
1684	5/8/2017 09:50	PAINT	1.03	WINDOW	A	Intact	WHITE	THIRD	311b	Building C	Negative	< LOD	0.11	mg / cm ^2
1685	5/8/2017 09:50	PAINT	1.02	WINDOW	A	Intact	WHITE	THIRD	311b	Building C	Negative	< LOD	0.1	mg / cm ^2
1686	5/8/2017 09:50	PAINT	1.02	WINDOW	C	Intact	WHITE	THIRD	311b	Building C	Negative	< LOD	0.17	mg / cm ^2
1687	5/8/2017 09:50	PAINT	1.03	WINDOW	C	Intact	WHITE	THIRD	311b	Building C	Negative	< LOD	0.21	mg / cm ^2
1688	5/8/2017 09:51	PAINT	1.03	WINDOW	D	Intact	WHITE	THIRD	311c	Building C	Negative	< LOD	0.46	mg / cm ^2
1689	5/8/2017 09:52	PAINT	1.02	WINDOW	D	Intact	WHITE	THIRD	311c	Building C	Negative	< LOD	0.14	mg / cm ^2
1690	5/8/2017 09:52	PAINT	2.05	WALL	A	Intact	WHITE	THIRD	311c	Building C	Negative	< LOD	0.03	mg / cm ^2
1691	5/8/2017 09:52	PAINT	3.25	WALL	B	Intact	WHITE	THIRD	311c	Building C	Negative	< LOD	0.03	mg / cm ^2
1692	5/8/2017 09:53	PAINT	3.26	WALL	C	Intact	WHITE	THIRD	311c	Building C	Negative	< LOD	0.03	mg / cm ^2
1693	5/8/2017 09:53	PAINT	2.74	WALL	D	Intact	WHITE	THIRD	311c	Building C	Negative	< LOD	0.03	mg / cm ^2
1694	5/8/2017 09:54	PAINT	3.25	WALL	A	Intact	WHITE	THIRD	311d	Building C	Negative	< LOD	0.03	mg / cm ^2
1695	5/8/2017 09:54	PAINT	3.25	WALL	B	Intact	WHITE	THIRD	311d	Building C	Negative	< LOD	0.03	mg / cm ^2
1696	5/8/2017 09:54	PAINT	2.22	WALL	C	Intact	WHITE	THIRD	311d	Building C	Negative	< LOD	0.03	mg / cm ^2
1697	5/8/2017 09:54	PAINT	3.08	WALL	D	Intact	WHITE	THIRD	311d	Building C	Negative	< LOD	0.03	mg / cm ^2
1698	5/8/2017 09:55	PAINT	1.02	DOOR	A	Intact	WHITE	THIRD	311d	Building C	Negative	< LOD	0.22	mg / cm ^2
1699	5/8/2017 09:55	PAINT	1.02	DOOR	A	Intact	WHITE	THIRD	311d	Building C	Negative	< LOD	0.24	mg / cm ^2

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XRF Results for Building C

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1700	5/8/2017 09:56	PAINT	1.02	DOOR eliva	C	Intact	WHITE	THIRD	311d	Building C	Negative	< LOD	0.55	mg / cm ^2
1701	5/8/2017 09:56	PAINT	1.03	DOOR eliva	C	Intact	WHITE	THIRD	311d	Building C	Negative	< LOD	0.11	mg / cm ^2
1702	5/8/2017 09:57	PAINT	3.24	WALL	A	POOR	GREEN	THIRD	HALL by Sec H	Building C	Negative	0.19	0.1	mg / cm ^2
1703	5/8/2017 09:58	PAINT	3.24	WALL	B	POOR	GREEN	THIRD	HALL by Sec H	Building C	Negative	< LOD	0.03	mg / cm ^2
1704	5/8/2017 09:58	PAINT	3.23	WALL	C	POOR	GREEN	THIRD	HALL by Sec H	Building C	Negative	< LOD	0.06	mg / cm ^2
1705	5/8/2017 09:59	PAINT	1.71	WALL	D	POOR	GREEN	THIRD	HALL by Sec H	Building C	Negative	< LOD	0.07	mg / cm ^2
1706	5/8/2017 10:00	PAINT	3.23	WALL	A	INTACT	GREEN	THIRD	310	Building C	Negative	< LOD	0.1	mg / cm ^2
1707	5/8/2017 10:00	PAINT	0.51	WALL	B	INTACT	GREEN	THIRD	310	Building C	Null	< LOD	0.26	mg / cm ^2
1708	5/8/2017 10:01	PAINT	3.24	WALL	C	INTACT	GREEN	THIRD	310	Building C	Negative	0.2	0.09	mg / cm ^2
1709	5/8/2017 10:01	PAINT	2.56	WALL	D	INTACT	GREEN	THIRD	310	Building C	Negative	< LOD	0.16	mg / cm ^2
1710	5/8/2017 10:01	PAINT	1.54	WALL	A	INTACT	BEIGE	THIRD	310	Building C	Negative	< LOD	0.16	mg / cm ^2
1711	5/8/2017 10:02	PAINT	1.02	DOOR	A	INTACT	BEIGE	THIRD	310	Building C	Negative	< LOD	0.31	mg / cm ^2
1712	5/8/2017 10:02	PAINT	1.03	DOOR	A	INTACT	BEIGE	THIRD	310	Building C	Negative	< LOD	0.21	mg / cm ^2
1713	5/8/2017 10:02	PAINT	1.02	DOOR	B	INTACT	BEIGE	THIRD	310	Building C	Negative	< LOD	0.13	mg / cm ^2
1714	5/8/2017 10:03	PAINT	1.03	DOOR	B	INTACT	GREEN	THIRD	310	Building C	Negative	< LOD	0.29	mg / cm ^2
1715	5/8/2017 10:03	PAINT	1.02	CABINET	D	INTACT	BEIGE	THIRD	310	Building C	Negative	< LOD	0.03	mg / cm ^2
1716	5/8/2017 10:04	PAINT	1.03	stairs	D	INTACT	BROWN	THIRD	310	Building C	Negative	< LOD	0.04	mg / cm ^2
1717	5/8/2017 10:04	PAINT	1.02	stairs	D	INTACT	BROWN	THIRD	310	Building C	Negative	< LOD	0.04	mg / cm ^2
1718	5/8/2017 10:05	PAINT	1.02	stairs	D	INTACT	GREEN	THIRD	310	Building C	Negative	< LOD	0.22	mg / cm ^2
1719	5/8/2017 10:05	PAINT	1.02	up stairs	D	INTACT	GREEN	THIRD	310	Building C	Negative	< LOD	0.06	mg / cm ^2
1720	5/8/2017 10:13	PAINT	10.45	Calibration	D	INTACT	GREEN	THIRD	310	Building C	Positive	1.1	0.1	mg / cm ^2
1721	5/8/2017 10:14	PAINT	4.63	Calibration	D	INTACT	GREEN	THIRD	310	Building C	Positive	1	0.1	mg / cm ^2
1722	5/8/2017 10:14	PAINT	1.87	Calibration	D	INTACT	GREEN	THIRD	310	Building C	Positive	1.1	0.3	mg / cm ^2
1723	5/8/2017 10:14	PAINT	1.89	Calibration	D	INTACT	GREEN	THIRD	310	Building C	Negative	0.9	0.3	mg / cm ^2
595	5/5/2017 09:43	SHUTTER CAL	152.67									2.38	0	cps
596	5/5/2017 09:49	PAINT	7.4	Calibration							Positive	1.1	0.1	mg / cm ^2
597	5/5/2017 09:49	PAINT	1.2	Calibration							Positive	1.6	0.6	mg / cm ^2
598	5/5/2017 09:50	PAINT	7.39	Calibration							Positive	1.1	0.1	mg / cm ^2
599	5/5/2017 09:51	PAINT	15.23	Calibration							Positive	1.1	0.1	mg / cm ^2
600	5/5/2017 09:51	PAINT	1.9	Calibration							Positive	1.1	0.3	mg / cm ^2
689	5/5/2017 11:23	PAINT	3.93	WALL	A	INTACT	YELLOW	THIRD	304	Evidence Room	Negative	< LOD	0.06	mg / cm ^2
690	5/5/2017 11:24	PAINT	7.37	WALL	B	INTACT	YELLOW	THIRD	304	Evidence Room	Null	< LOD	0.6	mg / cm ^2
691	5/5/2017 11:24	PAINT	3.1	WALL	B	INTACT	YELLOW	THIRD	304	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
692	5/5/2017 11:25	PAINT	3.11	WALL	C	INTACT	YELLOW	THIRD	304	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
693	5/5/2017 11:25	PAINT	3.77	WALL	C	INTACT	GREEN	THIRD	308	Evidence Room	Negative	0.14	0.06	mg / cm ^2
694	5/5/2017 11:26	PAINT	10.68	WALL	D	INTACT	BEIGE	THIRD	308	Evidence Room	Null	0.9	0.5	mg / cm ^2
695	5/5/2017 11:27	PAINT	1.2	BASEBOARD	D	INTACT	GREEN	THIRD	308	Evidence Room	Positive	3	1.6	mg / cm ^2
696	5/5/2017 11:27	PAINT	1.03	WINDOW	D	INTACT	BROWN	THIRD	308	Evidence Room	Positive	< LOD	6.15	mg / cm ^2
697	5/5/2017 11:28	PAINT	4.28	WINDOW	D	INTACT	BROWN	THIRD	323	Evidence Room	Negative	0.7	0.3	mg / cm ^2
698	5/5/2017 11:28	PAINT	0.86	DOOR	D	INTACT	BROWN	THIRD	323	Evidence Room	Positive	< LOD	11.7	mg / cm ^2
699	5/5/2017 11:30	PAINT	1.2	DOOR	D	INTACT	BROWN	THIRD	323	Evidence Room	Positive	3.2	1.6	mg / cm ^2
700	5/5/2017 11:30	PAINT	0.86	DOOR	D	INTACT	BROWN	THIRD	323	Evidence Room	Positive	< LOD	12.9	mg / cm ^2
701	5/5/2017 11:31	PAINT	2.24	WALL	D	INTACT	BEIGE	THIRD	325	Evidence Room	Null	< LOD	0.03	mg / cm ^2
702	5/5/2017 11:31	PAINT	1.03	WALL	C	INTACT	BEIGE	THIRD	325	Evidence Room	Positive	< LOD	6.45	mg / cm ^2
703	5/5/2017 11:32	PAINT	2.23	WALL	A	INTACT	BEIGE	THIRD	325	Evidence Room	Positive	< LOD	3.6	mg / cm ^2
704	5/5/2017 11:33	PAINT	4.8	CABINET	D	INTACT	GREEN	THIRD	325	Evidence Room	Null	< LOD	0.03	mg / cm ^2
705	5/5/2017 11:33	PAINT	1.03	CABINET	D	INTACT	GREEN	THIRD	235	Evidence Room	Negative	< LOD	0.24	mg / cm ^2
706	5/5/2017 11:39	PAINT	19.3	Calibration	D	INTACT	GREEN	THIRD	341		Positive	1	0.1	mg / cm ^2
707	5/5/2017 11:39	PAINT	7.56	Calibration	D	INTACT	GREEN	THIRD	341		Positive	1.1	0.1	mg / cm ^2
708	5/5/2017 11:40	PAINT	10.33	Calibration	D	INTACT	GREEN	THIRD	341		Positive	1	0.1	mg / cm ^2

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XRF Results for Building H

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
595	5/5/2017 09:43	SHUTTER_CAL	152.67									2.38	0	cps
596	5/5/2017 09:49	PAINT	7.4	Calibration							Positive	1.1	0.1	mg / cm ^2
597	5/5/2017 09:49	PAINT	1.2	Calibration							Positive	1.6	0.6	mg / cm ^2
598	5/5/2017 09:50	PAINT	7.39	Calibration							Positive	1.1	0.1	mg / cm ^2
599	5/5/2017 09:51	PAINT	15.23	Calibration							Positive	1.1	0.1	mg / cm ^2
600	5/5/2017 09:51	PAINT	1.9	Calibration							Positive	1.1	0.3	mg / cm ^2
675	5/5/2017 11:05	PAINT	0.52	WALL	D	INTACT	YELLOW	FIRST	141	Evidence Room	Positive	< LOD	12.15	mg / cm ^2
676	5/5/2017 11:06	PAINT	3.1	WALL	D	INTACT	YELLOW	FIRST	141	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
677	5/5/2017 11:07	PAINT	3.25	WALL	A	INTACT	YELLOW	FIRST	141	Evidence Room	Negative	< LOD	0.05	mg / cm ^2
678	5/5/2017 11:07	PAINT	3.25	WALL	C	INTACT	YELLOW	FIRST	141	Evidence Room	Negative	< LOD	0.08	mg / cm ^2
679	5/5/2017 11:08	PAINT	1.03	WINDOW	D	INTACT	YELLOW	FIRST	141	Evidence Room	Negative	< LOD	0.21	mg / cm ^2
680	5/5/2017 11:08	PAINT	1.03	WINDOW	D	INTACT	YELLOW	FIRST	141	Evidence Room	Negative	< LOD	0.45	mg / cm ^2
681	5/5/2017 11:08	PAINT	1.03	WINDOW	D	INTACT	YELLOW	FIRST	141	Evidence Room	Negative	< LOD	0.51	mg / cm ^2
682	5/5/2017 11:10	PAINT	3.08	CEILING	D	INTACT	YELLOW	FIRST	141	Evidence Room	Positive	2.3	1.1	mg / cm ^2
683	5/5/2017 11:10	PAINT	1.02	CEILING	D	INTACT	YELLOW	FIRST	141	Evidence Room	Negative	< LOD	0.47	mg / cm ^2
684	5/5/2017 11:10	PAINT	1.03	CEILING	D	INTACT	YELLOW	FIRST	141	Evidence Room	Positive	< LOD	5.4	mg / cm ^2
685	5/5/2017 11:13	PAINT	3.11	WALL	A	INTACT	GREEN	FIRST	156	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
686	5/5/2017 11:14	PAINT	5.49	WALL	B	INTACT	YELLOW	FIRST	156	Evidence Room	Negative	< LOD	0.23	mg / cm ^2
687	5/5/2017 11:16	PAINT	1.03	WALL	C	INTACT	YELLOW	FIRST	156	Evidence Room	Positive	< LOD	6.6	mg / cm ^2
688	5/5/2017 11:17	PAINT	3.08	WALL	D	INTACT	YELLOW	FIRST	156	Evidence Room	Negative	< LOD	0.03	mg / cm ^2
706	5/5/2017 11:39	PAINT	19.3	Calibration							Positive	1	0.1	mg / cm ^2
707	5/5/2017 11:39	PAINT	7.56	Calibration							Positive	1.1	0.1	mg / cm ^2
708	5/5/2017 11:40	PAINT	10.33	Calibration							Positive	1	0.1	mg / cm ^2
709	5/5/2017 12:49	SHUTTER_CAL	152.82									2.18	0	cps
710	5/5/2017 12:53	PAINT	17.68	Calibration							Positive	1	0.1	mg / cm ^2
711	5/5/2017 12:53	PAINT	1.89	Calibration							Positive	1	0.3	mg / cm ^2
712	5/5/2017 12:54	PAINT	6.02	Calibration							Negative	0.9	0.1	mg / cm ^2
713	5/5/2017 13:00	PAINT	3.08	WALL	A	INTACT	BEIGE	FIRST	142	Building H	Negative	< LOD	0.04	mg / cm ^2
714	5/5/2017 13:01	PAINT	4.79	WALL	B	INTACT	BEIGE	FIRST	142	Building H	Negative	< LOD	1.14	mg / cm ^2
715	5/5/2017 13:01	PAINT	3.1	WALL	C	INTACT	BEIGE	FIRST	142	Building H	Negative	< LOD	0.03	mg / cm ^2
716	5/5/2017 13:02	PAINT	4.63	WALL	D	INTACT	BEIGE	FIRST	142	Building H	Null	< LOD	0.22	mg / cm ^2
717	5/5/2017 13:02	PAINT	1.21	WINDOW	D	INTACT	BEIGE	FIRST	142	Building H	Positive	< LOD	5.55	mg / cm ^2
718	5/5/2017 13:02	PAINT	1.03	WINDOW	D	INTACT	BEIGE	FIRST	142	Building H	Positive	< LOD	6.45	mg / cm ^2
719	5/5/2017 13:03	PAINT	1.54	TRIM	D	INTACT	RED	FIRST	142	Building H	Positive	< LOD	5.1	mg / cm ^2
720	5/5/2017 13:04	PAINT	1.54	BASEBOARD	B	INTACT	RED	FIRST	142	Building H	Positive	< LOD	5.25	mg / cm ^2
721	5/5/2017 13:05	PAINT	1.03	DOOR	C	INTACT	RED	FIRST	142	Building H	Negative	< LOD	0.38	mg / cm ^2
722	5/5/2017 13:05	PAINT	1.03	DOOR	C	INTACT	RED	FIRST	142	Building H	Negative	< LOD	0.61	mg / cm ^2
723	5/5/2017 13:05	PAINT	1.03	DOOR	B	INTACT	RED	FIRST	142	Building H	Positive	< LOD	6.45	mg / cm ^2
724	5/5/2017 13:05	PAINT	1.03	DOOR	B	INTACT	RED	FIRST	142	Building H	Positive	8.5	5.1	mg / cm ^2
725	5/5/2017 13:06	PAINT	1.03	DOOR	B	INTACT	RED	FIRST	142	Building H	Negative	< LOD	0.62	mg / cm ^2
726	5/5/2017 13:06	PAINT	1.03	DOOR	B	INTACT	BEIGE	FIRST	142	Building H	Positive	< LOD	6.3	mg / cm ^2
727	5/5/2017 13:06	PAINT	1.2	DOOR	B	INTACT	BEIGE	FIRST	142	Building H	Positive	< LOD	5.25	mg / cm ^2
728	5/5/2017 13:09	PAINT	1.03	DOOR	C	INTACT	YELLOW	FIRST	142-hall	Building H	Negative	< LOD	0.04	mg / cm ^2
729	5/5/2017 13:09	PAINT	1.02	DOOR	C	INTACT	YELLOW	FIRST	142-hall	Building H	Negative	< LOD	0.03	mg / cm ^2
730	5/5/2017 13:09	PAINT	1.02	DOOR	C	INTACT	YELLOW	FIRST	142-hall	Building H	Negative	< LOD	0.04	mg / cm ^2
731	5/5/2017 13:09	PAINT	1.03	DOOR	C	INTACT	BEIGE	FIRST	142-hall	Building H	Negative	< LOD	0.04	mg / cm ^2
732	5/5/2017 13:10	PAINT	2.06	WALL	C	INTACT	BEIGE	FIRST	142-hall	Building H	Negative	< LOD	0.03	mg / cm ^2
733	5/5/2017 13:11	PAINT	8.21	WALL	D	INTACT	BEIGE	FIRST	142-hall	Building H	Negative	< LOD	0.9	mg / cm ^2
734	5/5/2017 13:11	PAINT	2.06	WALL	A	INTACT	BEIGE	FIRST	142-hall	Building H	Negative	< LOD	0.11	mg / cm ^2
735	5/5/2017 13:12	PAINT	3.08	WALL	B	INTACT	BEIGE	FIRST	142-hall	Building H	Negative	< LOD	1.39	mg / cm ^2
736	5/5/2017 13:12	PAINT	1.03	WALL	B	INTACT	BEIGE	FIRST	142-hall	Building H	Negative	< LOD	0.05	mg / cm ^2
737	5/5/2017 13:12	PAINT	1.02	WALL	B	INTACT	BEIGE	FIRST	142-hall	Building H	Negative	< LOD	0.05	mg / cm ^2
738	5/5/2017 13:12	PAINT	1.71	BASEBOARD	D	INTACT	BEIGE	FIRST	142-hall	Building H	Positive	< LOD	5.1	mg / cm ^2
739	5/5/2017 13:13	PAINT	1.19	BASEBOARD	A	INTACT	BEIGE	FIRST	142-hall	Building H	Positive	< LOD	6.3	mg / cm ^2
740	5/5/2017 13:15	PAINT	3.1	WALL	B	INTACT	BEIGE	FIRST	141hall	Building H	Positive	2.6	1.2	mg / cm ^2
741	5/5/2017 13:16	PAINT	7.74	WALL	C	INTACT	BEIGE	FIRST	141hall	Building H	Negative	< LOD	0.03	mg / cm ^2
742	5/5/2017 13:16	PAINT	1.03	DOOR	C	INTACT	BEIGE	FIRST	141hall	Building H	Negative	< LOD	0.25	mg / cm ^2
743	5/5/2017 13:17	PAINT	1.2	DOOR	D	INTACT	YELLOW	FIRST	141hall	Building H	Negative	< LOD	0.48	mg / cm ^2
744	5/5/2017 13:17	PAINT	1.03	DOOR	D	INTACT	YELLOW	FIRST	141hall	Building H	Negative	< LOD	0.2	mg / cm ^2
745	5/5/2017 13:17	PAINT	2.06	WALL	D	INTACT	BEIGE	FIRST	141hall	Building H	Negative	< LOD	0.03	mg / cm ^2
746	5/5/2017 13:19	PAINT	1.88	WALL	D	INTACT	BEIGE	FIRST	139hall	Building H	Negative	< LOD	0.03	mg / cm ^2

Hattiesburg Police Department

XRF Results for Building H

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
747	5/5/2017 13:19	PAINT	5.32	WALL	B	INTACT	BEIGE	FIRST	139hall	Building H	Negative	< LOD	1.07	mg / cm ^2
748	5/5/2017 13:20	PAINT	2.23	BASEBOARD	B	INTACT	BEIGE	FIRST	139hall	Building H	Negative	< LOD	0.09	mg / cm ^2
749	5/5/2017 13:20	PAINT	2.92	BASEBOARD	B	INTACT	BEIGE	FIRST	139hall	Building H	Negative	< LOD	0.03	mg / cm ^2
750	5/5/2017 13:21	PAINT	3.78	BASEBOARD	B	INTACT	BEIGE	FIRST	139hall	Building H	Negative	< LOD	0.03	mg / cm ^2
751	5/5/2017 13:21	PAINT	0.68	DOOR	B	INTACT	BEIGE	FIRST	139hall	Building H	Positive	< LOD	14.4	mg / cm ^2
752	5/5/2017 13:21	PAINT	0.86	DOOR	B	INTACT	YELLOW	FIRST	139hall	Building H	Positive	< LOD	12.15	mg / cm ^2
753	5/5/2017 13:22	PAINT	1.03	DOOR	D	INTACT	YELLOW	FIRST	139hall	Building H	Negative	< LOD	0.03	mg / cm ^2
754	5/5/2017 13:22	PAINT	1.2	DOOR	D	INTACT	BEIGE	FIRST	139hall	Building H	Negative	< LOD	0.03	mg / cm ^2
755	5/5/2017 13:23	PAINT	1.03	DOOR	D	INTACT	BEIGE	FIRST	139hall	Building H	Negative	< LOD	0.03	mg / cm ^2
756	5/5/2017 13:23	PAINT	1.03	DOOR	D	INTACT	BEIGE	FIRST	139hall	Building H	Negative	< LOD	0.04	mg / cm ^2
757	5/5/2017 13:23	PAINT	1.03	DOOR	A	INTACT	BLUE	FIRST	136	Building H	Negative	< LOD	0.04	mg / cm ^2
758	5/5/2017 13:24	PAINT	1.2	WALL	A	INTACT	BEIGE	FIRST	136	Building H	Negative	< LOD	0.03	mg / cm ^2
759	5/5/2017 13:24	PAINT	1.19	WALL	B	INTACT	BEIGE	FIRST	136	Building H	Negative	< LOD	0.03	mg / cm ^2
760	5/5/2017 13:24	PAINT	0.68	WALL	C	INTACT	BEIGE	FIRST	136	Building H	Null	< LOD	0.03	mg / cm ^2
761	5/5/2017 13:25	PAINT	1.2	WALL	D	INTACT	BEIGE	FIRST	136	Building H	Negative	< LOD	0.03	mg / cm ^2
762	5/5/2017 13:25	PAINT	1.55	BASEBOARD	D	INTACT	BEIGE	FIRST	136	Building H	Negative	< LOD	0.03	mg / cm ^2
763	5/5/2017 13:27	PAINT	4.29	BASEBOARD	D	INTACT	BLUE	FIRST	136hall	Building H	Negative	< LOD	0.03	mg / cm ^2
764	5/5/2017 13:27	PAINT	1.54	WALL	D	INTACT	BEIGE	FIRST	136hall	Building H	Negative	< LOD	0.03	mg / cm ^2
765	5/5/2017 13:28	PAINT	1.55	WALL	C	INTACT	BEIGE	FIRST	136hall	Building H	Negative	< LOD	0.03	mg / cm ^2
766	5/5/2017 13:28	PAINT	1.55	WALL	B	INTACT	BEIGE	FIRST	136hall	Building H	Negative	< LOD	0.03	mg / cm ^2
767	5/5/2017 13:28	PAINT	2.74	WALL	A	INTACT	BEIGE	FIRST	136hall	Building H	Null	< LOD	0.04	mg / cm ^2
768	5/5/2017 13:30	PAINT	1.03	CABINET	B	INTACT	BEIGE	FIRST	139	Building H	Negative	< LOD	0.04	mg / cm ^2
769	5/5/2017 13:30	PAINT	0.68	CABINET	B	INTACT	WHITE	FIRST	139	Building H	Null	< LOD	0.03	mg / cm ^2
770	5/5/2017 13:31	PAINT	1.02	CABINET	D	INTACT	BROWN	FIRST	139	Building H	Negative	< LOD	0.09	mg / cm ^2
771	5/5/2017 13:32	PAINT	4.29	WALL	D	INTACT	BEIGE	FIRST	139	Building H	Negative	< LOD	1.24	mg / cm ^2
772	5/5/2017 13:32	PAINT	2.07	WALL	C	INTACT	GREEN	FIRST	139	Building H	Negative	< LOD	0.03	mg / cm ^2
773	5/5/2017 13:32	PAINT	4.29	WALL	B	INTACT	GREEN	FIRST	139	Building H	Negative	< LOD	1.14	mg / cm ^2
774	5/5/2017 13:33	PAINT	1.03	DOOR	D	INTACT	BEIGE	FIRST	139	Building H	Negative	< LOD	0.05	mg / cm ^2
775	5/5/2017 13:33	PAINT	0.69	DOOR	D	INTACT	BEIGE	FIRST	139	Building H	Null	< LOD	0.06	mg / cm ^2
776	5/5/2017 13:33	PAINT	1.55	WALL	A	INTACT	BEIGE	FIRST	139	Building H	Null	< LOD	0.03	mg / cm ^2
777	5/5/2017 13:34	PAINT	3.44	WALL	B	INTACT	BEIGE	FIRST	139	Building H	Negative	< LOD	0.03	mg / cm ^2
778	5/5/2017 13:34	PAINT	0.34	WALL	C	INTACT	WHITE	FIRST	139	Building H	Null	< LOD	0.03	mg / cm ^2
779	5/5/2017 13:34	PAINT	1.02	DOOR	B	INTACT	BEIGE	FIRST	139	Building H	Negative	< LOD	0.03	mg / cm ^2
780	5/5/2017 13:35	PAINT	1.03	DOOR	B	INTACT	BEIGE	FIRST	139	Building H	Negative	< LOD	0.06	mg / cm ^2
781	5/5/2017 13:35	PAINT	3.95	CEILING	B	INTACT	GREEN	FIRST	139	Building H	Negative	< LOD	0.04	mg / cm ^2
782	5/5/2017 13:37	PAINT	2.74	WALL	B	INTACT	BEIGE	FIRST	156hall	Building H	Negative	< LOD	0.03	mg / cm ^2
788	5/5/2017 13:47	PAINT	1.03	DOOR	C	INTACT	black	FIRST	156hall	Building H	Negative	< LOD	0.41	mg / cm ^2
789	5/5/2017 13:48	PAINT	1.03	DOOR	C	INTACT	black	FIRST	156hall	Building H	Negative	< LOD	0.44	mg / cm ^2
790	5/5/2017 13:48	PAINT	1.03	DOOR	D	INTACT	black	FIRST	156hall	Building H	Negative	< LOD	0.21	mg / cm ^2
791	5/5/2017 13:48	PAINT	1.03	DOOR	D	INTACT	black	FIRST	156hall	Building H	Negative	< LOD	0.17	mg / cm ^2
792	5/5/2017 13:48	PAINT	1.03	DOOR	C	INTACT	black	FIRST	156hall	Building H	Negative	< LOD	0.46	mg / cm ^2
793	5/5/2017 13:49	PAINT	1.03	RISER	B	INTACT	black	FIRST	156hall	Building H	Negative	< LOD	0.03	mg / cm ^2
794	5/5/2017 13:49	PAINT	1.03	WALL	A	INTACT	BEIGE	FIRST	156hall	Building H	Negative	< LOD	0.04	mg / cm ^2
795	5/5/2017 13:49	PAINT	1.03	WALL	A	INTACT	BEIGE	FIRST	156hall	Building H	Negative	< LOD	0.03	mg / cm ^2
796	5/5/2017 13:50	PAINT	2.92	WALL	D	INTACT	BEIGE	FIRST	156hall	Building H	Negative	< LOD	0.03	mg / cm ^2
797	5/5/2017 13:50	PAINT	1.2	WALL	D	INTACT	BEIGE	FIRST	156hall	Building H	Negative	< LOD	0.03	mg / cm ^2
798	5/5/2017 13:50	PAINT	1.03	WALL	B	INTACT	BEIGE	FIRST	156hall	Building H	Negative	< LOD	0.05	mg / cm ^2
799	5/5/2017 13:51	PAINT	2.23	WALL	C	INTACT	BEIGE	FIRST	156hall	Building H	Negative	< LOD	0.03	mg / cm ^2
800	5/5/2017 13:51	PAINT	1.2	WALL	C	INTACT	YELLOW	FIRST	156hall	Building H	Negative	< LOD	0.05	mg / cm ^2
801	5/5/2017 13:52	PAINT	1.03	DOOR	B	INTACT	black	FIRST	156hall	building H	Negative	< LOD	0.03	mg / cm ^2
802	5/5/2017 13:52	PAINT	1.03	DOOR	B	INTACT	black	FIRST	156hall	Building H	Negative	< LOD	0.05	mg / cm ^2
803	5/5/2017 13:57	PAINT	1.38	WALL	D	INTACT	YELLOW	FIRST	156hall	Building H	Negative	< LOD	0.03	mg / cm ^2
804	5/5/2017 13:58	PAINT	1.2	WALL	B	INTACT	YELLOW	FIRST	156hall	Building H	Negative	< LOD	0.03	mg / cm ^2
805	5/5/2017 13:58	PAINT	2.24	WALL	D	INTACT	BEIGE	FIRST	156hall	Building H	Negative	< LOD	0.03	mg / cm ^2
806	5/5/2017 13:59	PAINT	1.03	DOOR	A	INTACT	BLUE	FIRST	156hall	Building H	Negative	< LOD	0.28	mg / cm ^2
807	5/5/2017 13:59	PAINT	1.03	DOOR	A	INTACT	BLUE	FIRST	156hall	Building H	Negative	< LOD	0.04	mg / cm ^2
808	5/5/2017 13:59	PAINT	1.03	DOOR	A	INTACT	BLUE	FIRST	156hall	Building H	Negative	< LOD	0.41	mg / cm ^2
809	5/5/2017 13:59	PAINT	1.03	DOOR	A	INTACT	BLUE	FIRST	156hall	Building H	Negative	< LOD	0.9	mg / cm ^2
810	5/5/2017 14:00	PAINT	3.25	BASEBOARD	A	INTACT	BLUE	FIRST	156hall	Building H	Negative	< LOD	0.03	mg / cm ^2
811	5/5/2017 14:00	PAINT	1.03	DOOR	C	INTACT	BLUE	FIRST	156hall	Building H	Negative	< LOD	0.2	mg / cm ^2
812	5/5/2017 14:00	PAINT	1.03	DOOR	C	INTACT	BLUE	FIRST	156hall	Building H	Negative	< LOD	0.1	mg / cm ^2

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XRF Results for Building H

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
813	5/5/2017 14:01	PAINT	1.89	WALL	C	INTACT	BLUE	FIRST	156hall	Building H	Negative	< LOD	0.03	mg / cm ^2
814	5/5/2017 14:01	PAINT	5.32	WALL	C	INTACT	BLUE	FIRST	156hall	Building H	Negative	< LOD	1.02	mg / cm ^2
815	5/5/2017 14:02	PAINT	1.02	WALL	C	INTACT	YELLOW	FIRST	156hall	Building H	Negative	< LOD	0.09	mg / cm ^2
893	5/5/2017 14:45	PAINT	7.06	Calibration							Positive	1	0.1	mg / cm ^2
894	5/5/2017 14:46	PAINT	3.25	Calibration							Positive	1.2	0.2	mg / cm ^2
895	5/5/2017 14:46	PAINT	10.48	Calibration							Positive	1	0.1	mg / cm ^2
896	5/5/2017 14:47	PAINT	8.93	Calibration							Positive	1	0.1	mg / cm ^2
1079	5/6/2017 08:12	SHUTTER_CAL	154.65									2.18	0	cps
1080	5/6/2017 08:14	PAINT	18.39	Calibration							Positive	1	0.1	mg / cm ^2
1081	5/6/2017 08:14	PAINT	2.92	Calibration							Positive	0.8	0.2	mg / cm ^2
1082	5/6/2017 08:15	PAINT	7.36	Calibration							Positive	1.1	0.1	mg / cm ^2
1083	5/6/2017 08:26	PAINT	1.03	WALL	A	INTACT	BEIGE	FIRST	138hall	Building H	Negative	< LOD	0.03	mg / cm ^2
1084	5/6/2017 08:27	PAINT	2.76	WALL	B	INTACT	BEIGE	FIRST	138hall	Building H	Negative	< LOD	0.03	mg / cm ^2
1085	5/6/2017 08:27	PAINT	2.58	WALL	C	INTACT	BEIGE	FIRST	138hall	Building H	Negative	< LOD	0.03	mg / cm ^2
1086	5/6/2017 08:27	PAINT	3.24	WALL	D	INTACT	BEIGE	FIRST	138hall	Building H	Negative	< LOD	0.03	mg / cm ^2
1087	5/6/2017 08:28	PAINT	1.02	DOOR	A	INTACT	BEIGE	FIRST	138hall	Building H	Negative	< LOD	0.04	mg / cm ^2
1088	5/6/2017 08:28	PAINT	1.03	DOOR	A	INTACT	BEIGE	FIRST	138hall	Building H	Negative	< LOD	0.05	mg / cm ^2
1089	5/6/2017 08:28	PAINT	1.03	DOOR	B	INTACT	BEIGE	FIRST	138hall	Building H	Negative	< LOD	0.09	mg / cm ^2
1090	5/6/2017 08:28	PAINT	1.03	DOOR	B	INTACT	BEIGE	FIRST	138hall	Building H	Negative	< LOD	0.03	mg / cm ^2
1091	5/6/2017 08:29	PAINT	1.2	DOOR	D	INTACT	BEIGE	FIRST	138hall	Building H	Negative	< LOD	0.03	mg / cm ^2
1092	5/6/2017 08:29	PAINT	3.09	DOOR	D	INTACT	BEIGE	FIRST	138hall	Building H	Negative	< LOD	1.14	mg / cm ^2
1093	5/6/2017 08:29	PAINT	0.85	DOOR	D	INTACT	BEIGE	FIRST	138hall	Building H	Positive	< LOD	11.25	mg / cm ^2
1094	5/6/2017 08:29	PAINT	1.03	DOOR	D	INTACT	BEIGE	FIRST	138hall	Building H	Positive	7.7	5	mg / cm ^2
1095	5/6/2017 08:30	PAINT	1.04	DOOR	D	INTACT	black	FIRST	138hall	Building H	Negative	< LOD	0.03	mg / cm ^2
1096	5/6/2017 08:30	PAINT	1.02	DOOR	D	INTACT	black	FIRST	138hall	Building H	Negative	< LOD	0.04	mg / cm ^2
1097	5/6/2017 08:31	PAINT	1.02	DOOR	D	INTACT	black	FIRST	138hall	Building H	Negative	< LOD	0.04	mg / cm ^2
1098	5/6/2017 08:31	PAINT	1.02	DOOR	A	INTACT	black	FIRST	138hall	Building H	Negative	< LOD	0.06	mg / cm ^2
1099	5/6/2017 08:31	PAINT	1.02	DOOR	A	INTACT	black	FIRST	138hall	Building H	Negative	< LOD	0.44	mg / cm ^2
1100	5/6/2017 08:31	PAINT	1.02	DOOR	B	INTACT	black	FIRST	138hall	Building H	Negative	< LOD	0.2	mg / cm ^2
1101	5/6/2017 08:32	PAINT	3.6	WALL	A	INTACT	GREEN	FIRST	138	Building H	Negative	< LOD	0.03	mg / cm ^2
1102	5/6/2017 08:33	PAINT	2.22	WALL	A	INTACT	GREEN	FIRST	138	Building H	Null	< LOD	0.03	mg / cm ^2
1103	5/6/2017 08:33	PAINT	3.08	WALL	A	INTACT	GREEN	FIRST	138	Building H	Negative	< LOD	0.04	mg / cm ^2
1104	5/6/2017 08:34	PAINT	3.41	WALL	A	INTACT	WHITE	FIRST	138	Building H	Negative	< LOD	0.08	mg / cm ^2
1105	5/6/2017 08:34	PAINT	2.4	WALL	A	INTACT	WHITE	FIRST	138	Building H	Negative	< LOD	0.03	mg / cm ^2
1106	5/6/2017 08:35	PAINT	3.26	WALL	A	INTACT	WHITE	FIRST	138	Building H	Negative	< LOD	0.03	mg / cm ^2
1107	5/6/2017 08:37	PAINT	0.68	WINDOW	D	INTACT	GREEN	FIRST	138	Building H	Positive	< LOD	8.25	mg / cm ^2
1108	5/6/2017 08:37	PAINT	0.69	WINDOW	D	INTACT	GREEN	FIRST	138	Building H	Positive	< LOD	15.9	mg / cm ^2
1109	5/6/2017 08:38	PAINT	0.52	WINDOW	A	INTACT	GREEN	FIRST	138	Building H	Positive	< LOD	9	mg / cm ^2
1110	5/6/2017 08:38	PAINT	0.69	WINDOW	A	INTACT	GREEN	FIRST	138	Building H	Positive	< LOD	5.25	mg / cm ^2
1111	5/6/2017 08:39	PAINT	3.25	WINDOW	A	INTACT	WHITE	FIRST	138	Building H	Positive	2.2	0.9	mg / cm ^2
1112	5/6/2017 08:39	PAINT	1.03	WINDOW	A	INTACT	WHITE	FIRST	138	Building H	Negative	< LOD	0.48	mg / cm ^2
1113	5/6/2017 08:39	PAINT	1.37	WINDOW	D	INTACT	WHITE	FIRST	138	Building H	Positive	< LOD	4.05	mg / cm ^2
1114	5/6/2017 08:39	PAINT	1.2	WINDOW	D	INTACT	WHITE	FIRST	138	Building H	Positive	< LOD	4.5	mg / cm ^2
1115	5/6/2017 08:40	PAINT	1.03	CABINET	C	INTACT	GREEN	FIRST	138	Building H	Negative	< LOD	0.28	mg / cm ^2
1116	5/6/2017 08:41	PAINT	0.34	CABINET	A	INTACT	BEIGE	FIRST	138	Building H	Null	< LOD	0.08	mg / cm ^2
1117	5/6/2017 08:41	PAINT	1.03	CABINET	B	INTACT	WHITE	FIRST	138	Building H	Negative	< LOD	0.04	mg / cm ^2
1118	5/6/2017 08:42	PAINT	1.04	CABINET	B	INTACT	WHITE	FIRST	138	Building H	Negative	< LOD	0.03	mg / cm ^2
1119	5/6/2017 08:42	PAINT	1.03	CABINET-column	B	INTACT	WHITE	FIRST	138	Building H	Negative	< LOD	0.33	mg / cm ^2
1120	5/6/2017 08:43	PAINT	0.86	CABINET-column	B	INTACT	WHITE	FIRST	138	Building H	Null	< LOD	0.03	mg / cm ^2
1121	5/6/2017 08:43	PAINT	3.08	COLUMN	B	INTACT	WHITE	FIRST	138	Building H	Negative	< LOD	0.03	mg / cm ^2
1122	5/6/2017 08:44	PAINT	3.09	COLUMN	B	INTACT	WHITE	FIRST	138	Building H	Negative	< LOD	0.03	mg / cm ^2
1123	5/6/2017 08:44	PAINT	3.24	COLUMN	B	INTACT	WHITE	FIRST	138	Building H	Negative	< LOD	0.03	mg / cm ^2
1124	5/6/2017 08:46	PAINT	1.03	pipe	B	INTACT	black	FIRST	138	Building H	Negative	< LOD	0.04	mg / cm ^2
1125	5/6/2017 08:46	PAINT	1.03	pipe	B	INTACT	black	FIRST	138	Building H	Negative	< LOD	0.04	mg / cm ^2
1126	5/6/2017 08:47	PAINT	1.02	DOOR	B	INTACT	WHITE	FIRST	138a	Building H	Negative	< LOD	0.24	mg / cm ^2
1127	5/6/2017 08:47	PAINT	1.02	DOOR	B	INTACT	WHITE	FIRST	138a	Building H	Negative	< LOD	0.23	mg / cm ^2
1128	5/6/2017 08:49	PAINT	1.03	WINDOW	A	INTACT	GREEN	FIRST	138a	Building H	Positive	6.1	3.9	mg / cm ^2
1129	5/6/2017 08:49	PAINT	1.02	WINDOW	A	INTACT	GREEN	FIRST	138a	Building H	Negative	< LOD	0.04	mg / cm ^2
1130	5/6/2017 08:49	PAINT	1.03	WINDOW	A	INTACT	GREEN	FIRST	138a	Building H	Negative	< LOD	0.04	mg / cm ^2
1131	5/6/2017 08:50	PAINT	9.06	WALL	A	INTACT	GREEN	FIRST	138a	Building H	Null	0.21	0.07	mg / cm ^2
1132	5/6/2017 08:52	PAINT	14.37	WALL	A	INTACT	GREEN	FIRST	138a	Building H	Null	0.23	0.06	mg / cm ^2

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XRF Results for Building H

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
1133	5/6/2017 08:52	PAINT	1.03	WALL	A	INTACT	GREEN	FIRST	138a	Building H	Negative	< LOD	0.64	mg / cm ^2
1134	5/6/2017 08:53	PAINT	6.53	WALL	A	INTACT	GREEN	FIRST	138a	Building H	Null	< LOD	0.03	mg / cm ^2
1135	5/6/2017 08:53	PAINT	1.37	WALL	A	INTACT	GREEN-dark	FIRST	138a	Building H	Null	< LOD	0.03	mg / cm ^2
1136	5/6/2017 08:54	PAINT	10.59	WALL	A	INTACT	GREEN-dark	FIRST	138a	Building H	Null	0.19	0.06	mg / cm ^2
1137	5/6/2017 08:55	PAINT	0.86	WALL	A	INTACT	GREEN-dark	FIRST	138a	Building H	Null	< LOD	0.72	mg / cm ^2
1138	5/6/2017 08:55	PAINT	0.51	WALL	A	INTACT	GREEN-dark	FIRST	138a	Building H	Null	< LOD	0.05	mg / cm ^2
1139	5/6/2017 08:56	PAINT	1.02	CEILING	A	INTACT	BEIGE	FIRST	138a	Building H	Null	< LOD	0.03	mg / cm ^2
1298	5/6/2017 10:08	PAINT	7.89	Calibration							Positive	1.1	0.1	mg / cm ^2
1299	5/6/2017 10:10	PAINT	19.96	Calibration							Positive	1	0.1	mg / cm ^2
1300	5/6/2017 10:11	PAINT	16.31	Calibration							Positive	1	0.1	mg / cm ^2
1805	5/8/2017 11:27	PAINT	1.2	WALL	A	INTACT	BEIGE	FIRST	136	Building H	Negative	< LOD	0.03	mg / cm ^2
1806	5/8/2017 11:27	PAINT	0.17	WALL	A	INTACT	BEIGE	FIRST	136	Building H	Null	< LOD	0.03	mg / cm ^2
1807	5/8/2017 11:27	PAINT	1.89	WALL	A	INTACT	BEIGE	FIRST	136	Building H	Negative	< LOD	0.03	mg / cm ^2
1808	5/8/2017 11:27	PAINT	0.69	WALL	A	INTACT	BEIGE	FIRST	136	Building H	Null	< LOD	0.14	mg / cm ^2
1809	5/8/2017 11:28	PAINT	2.4	WALL	A	INTACT	BEIGE	FIRST	137	Building H	Negative	< LOD	0.03	mg / cm ^2
1810	5/8/2017 11:28	PAINT	1.2	WALL	A	INTACT	BEIGE	FIRST	137	Building H	Negative	< LOD	0.03	mg / cm ^2
1811	5/8/2017 11:29	PAINT	3.24	WALL	A	INTACT	BEIGE	FIRST	137	Building H	Negative	< LOD	0.03	mg / cm ^2
1812	5/8/2017 11:29	PAINT	1.2	WALL	A	INTACT	BEIGE	FIRST	137	Building H	Positive	7.8	4.8	mg / cm ^2
1813	5/8/2017 11:29	PAINT	1.36	WALL	D	INTACT	BEIGE	FIRST	137	Building H	Positive	< LOD	5.85	mg / cm ^2
1814	5/8/2017 11:30	PAINT	1.2	WALL	D	INTACT	BEIGE	FIRST	137	Building H	Negative	< LOD	0.03	mg / cm ^2
1815	5/8/2017 11:30	PAINT	1.19	DOOR	D	INTACT	BROWN	FIRST	137	Building H	Negative	< LOD	0.76	mg / cm ^2
1816	5/8/2017 11:30	PAINT	1.03	DOOR	D	INTACT	BROWN	FIRST	137	Building H	Negative	< LOD	0.54	mg / cm ^2
1817	5/8/2017 11:31	PAINT	1.03	DOOR	C	INTACT	BROWN	FIRST	137	Building H	Negative	< LOD	0.03	mg / cm ^2
1818	5/8/2017 11:31	PAINT	1.02	DOOR	C	INTACT	BROWN	FIRST	137	Building H	Negative	< LOD	0.04	mg / cm ^2
1819	5/8/2017 11:31	PAINT	1.02	DOOR	C	INTACT	BLUE	FIRST	137	Building H	Negative	< LOD	0.03	mg / cm ^2
1820	5/8/2017 11:31	PAINT	1.02	DOOR	C	INTACT	BLUE	FIRST	137	building H	Negative	< LOD	0.03	mg / cm ^2
1821	5/8/2017 11:32	PAINT	1.03	CABINET	B	INTACT	BEIGE	FIRST	137	Building H	Negative	< LOD	0.05	mg / cm ^2
1822	5/8/2017 11:34	PAINT	2.57	Calibration							Positive	1.3	0.3	mg / cm ^2
1823	5/8/2017 11:35	PAINT	9.76	Calibration							Positive	1	0.1	mg / cm ^2
1824	5/8/2017 11:36	PAINT	7.52	Calibration							Positive	1.1	0.1	mg / cm ^2
1825	5/8/2017 11:36	PAINT	10.95	Calibration							Positive	1	0.1	mg / cm ^2
1826	5/10/2017 10:39	SHUTTER_CAL	152.66									2.27	0	cps
1827	5/10/2017 10:40	PAINT	7.34	Calibration							Positive	1.1	0.1	mg / cm ^2
1828	5/10/2017 10:41	PAINT	7.49	Calibration							Positive	1.1	0.1	mg / cm ^2
1829	5/10/2017 10:41	PAINT	3.24	Calibration							Positive	1.2	0.2	mg / cm ^2
1830	5/10/2017 10:45	PAINT	1.7	WALL	A	POOR	Beige	First	H108	Building H	Negative	< LOD	0.03	mg / cm ^2
1831	5/10/2017 10:46	PAINT	3.22	WALL	B	POOR	Beige	First	H108	Building H	Negative	< LOD	0.03	mg / cm ^2
1832	5/10/2017 10:46	PAINT	3.22	WALL	C	POOR	Beige	First	H108	Building H	Negative	< LOD	0.04	mg / cm ^2
1833	5/10/2017 10:47	PAINT	4.6	WALL	D		Beige	First	H108	Building H	Negative	< LOD	1.15	mg / cm ^2
1834	5/10/2017 10:47	PAINT	3.22	WALL	C	POOR	Green	First	H108	Building H	Negative	< LOD	0.08	mg / cm ^2
1835	5/10/2017 10:47	PAINT	1.19	Window	C	POOR	Brown	First	H108	Building H	Negative	< LOD	0.88	mg / cm ^2
1836	5/10/2017 10:48	PAINT	1.19	Window	C	POOR	Brown	First	H108	Building H	Positive	< LOD	5.7	mg / cm ^2
1837	5/10/2017 10:48	PAINT	1.19	Window	C	POOR	Brown	First	H108	Building H	Positive	< LOD	5.55	mg / cm ^2
1838	5/10/2017 10:48	PAINT	0.51	Window	C	POOR	Brown	First	H108	Building H	Positive	< LOD	7.05	mg / cm ^2
1839	5/10/2017 10:48	PAINT	1.02	Window	C	POOR	Red	First	H108	Building H	Positive	< LOD	9.9	mg / cm ^2
1840	5/10/2017 10:49	PAINT	1.53	Window	C	POOR	White	First	H108	Building H	Negative	< LOD	0.03	mg / cm ^2
1841	5/10/2017 10:50	PAINT	1.37	Window	D	POOR	Brown	First	H108	Building H	Positive	< LOD	5.4	mg / cm ^2
1842	5/10/2017 10:50	PAINT	1.03	Window	D	POOR	Brown	First	H108	Building H	Positive	< LOD	9.15	mg / cm ^2
1843	5/10/2017 10:50	PAINT	1.19	Window	D	POOR	Brown	First	H108	Building H	Positive	7	4.6	mg / cm ^2
1844	5/10/2017 10:51	PAINT	1.02	Window	D	POOR	Brown	First	H108	Building H	Negative	< LOD	0.03	mg / cm ^2
1845	5/10/2017 10:51	PAINT	1.02	Door Frame	C	POOR		First	H108A	Building H	Negative	< LOD	0.19	mg / cm ^2
1846	5/10/2017 10:52	PAINT	1.02	Door Frame	C	POOR		First	H108A	Building H	Negative	< LOD	0.23	mg / cm ^2
1847	5/10/2017 10:52	PAINT	3.57	Wall	A	POOR	Beige	First	H108A	Building H	Null	< LOD	0.25	mg / cm ^2
1848	5/10/2017 10:52	PAINT	3.08	Wall	B	POOR	Beige	First	H108A	Building H	Null	< LOD	0.05	mg / cm ^2
1849	5/10/2017 10:52	PAINT	1.87	Wall	C	POOR	Beige	First	H108A	Building H	Negative	< LOD	0.04	mg / cm ^2
1850	5/10/2017 10:53	PAINT	2.21	Wall	D	POOR	Beige	First	H108A	Building H	Null	< LOD	0.27	mg / cm ^2
1851	5/10/2017 10:53	PAINT	2.72	Ceiling		POOR	White	First	H108A	Building H	Null	< LOD	0.05	mg / cm ^2
1852	5/10/2017 10:53	PAINT	3.05	Baseboard		POOR	Brown	First	H108A	Building H	Null	< LOD	0.03	mg / cm ^2
1853	5/10/2017 10:54	PAINT	1.02	Tile		POOR	Green	First	H108A	Building H	Negative	< LOD	0.5	mg / cm ^2
1854	5/10/2017 10:55	PAINT	2.04	Wall	A	POOR	Beige	First	H109	Building H	Negative	< LOD	0.03	mg / cm ^2
1855	5/10/2017 10:55	PAINT	4.42	Wall	B	POOR	Beige	First	H109	Building H	Null	0.1	0.07	mg / cm ^2

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1856	5/10/2017 10:55	PAINT	2.38	Wall	C	POOR	Beige	First	H109	Building H	Negative	< LOD	0.03	mg / cm ^2
1857	5/10/2017 10:56	PAINT	4.61	Wall	D	POOR	Beige	First	H109	Building H	Negative	< LOD	1.19	mg / cm ^2
1858	5/10/2017 10:57	PAINT	1.2	Window	B	POOR	Brown	First	H109	Building H	Positive	< LOD	5.4	mg / cm ^2
1859	5/10/2017 10:57	PAINT	1.02	Window	B	POOR	Brown	First	H109	Building H	Positive	7.3	4.8	mg / cm ^2
1860	5/10/2017 10:57	PAINT	0.68	Window	B	POOR	Red	First	H109	Building H	Positive	< LOD	15.9	mg / cm ^2
1861	5/10/2017 10:57	PAINT	1.02	Window	B	POOR	Brown	First	H109	Building H	Negative	< LOD	0.03	mg / cm ^2
1862	5/10/2017 10:58	PAINT	0.34	Door Frame	A	POOR	Brown	First	H109A	Building H	Null	< LOD	10.05	mg / cm ^2
1863	5/10/2017 10:58	PAINT	0.68	Door Frame	A	POOR	Brown	First	H109A	Building H	Positive	< LOD	17.7	mg / cm ^2
1864	5/10/2017 10:59	PAINT	5.64	Wall	A	POOR	Yellow	First	H109A	Building H	Negative	< LOD	1.09	mg / cm ^2
1865	5/10/2017 10:59	PAINT	2.05	Wall	B	POOR	Yellow	First	H109A	Building H	Null	< LOD	0.11	mg / cm ^2
1866	5/10/2017 11:00	PAINT	5.29	Wall	C	POOR	Yellow	First	H109A	Building H	Negative	< LOD	0.03	mg / cm ^2
1867	5/10/2017 11:00	PAINT	5.47	Wall	D	POOR	Yellow	First	H109A	Building H	Negative	< LOD	1.04	mg / cm ^2
1868	5/10/2017 11:01	PAINT	1.02	Wall	A	POOR	Yellow	First	H109A	Building H	Negative	< LOD	0.04	mg / cm ^2
1869	5/10/2017 11:01	PAINT	0.69	Tile	A	POOR	White	First	H109A	Building H	Positive	2.7	1.6	mg / cm ^2
1870	5/10/2017 11:02	PAINT	2.38	Wall	A	POOR	Beige	First	H110	Building H	Negative	< LOD	0.03	mg / cm ^2
1871	5/10/2017 11:02	PAINT	1.19	Wall	B	POOR	Beige	First	H110	Building H	Negative	< LOD	0.03	mg / cm ^2
1872	5/10/2017 11:02	PAINT	4.94	Wall	C	POOR	Beige	First	H110	Building H	Null	0.16	0.09	mg / cm ^2
1873	5/10/2017 11:03	PAINT	3.24	Wall	D	POOR	Beige	First	H110	Building H	Negative	< LOD	1.38	mg / cm ^2
1874	5/10/2017 11:03	PAINT	1.2	Window	D	POOR	Beige	First	H110	Building H	Positive	< LOD	5.7	mg / cm ^2
1875	5/10/2017 11:03	PAINT	1.19	Window	D	POOR	Beige	First	H110	Building H	Positive	< LOD	5.55	mg / cm ^2
1876	5/10/2017 11:03	PAINT	1.02	Window	D	POOR	Beige	First	H110	Building H	Negative	< LOD	0.04	mg / cm ^2
1877	5/10/2017 11:04	PAINT	1.02	Door Frame	C	POOR	Brown	First	H110A	Building H	Negative	< LOD	0.8	mg / cm ^2
1878	5/10/2017 11:04	PAINT	1.02	Door Frame	C	POOR	Brown	First	H110A	Building H	Negative	< LOD	0.22	mg / cm ^2
1879	5/10/2017 11:04	PAINT	2.21	Wall	A	POOR	Beige	First	H110A	Building H	Negative	< LOD	0.08	mg / cm ^2
1880	5/10/2017 11:05	PAINT	5.81	Wall	B	POOR	Beige	First	H110A	Building H	Negative	< LOD	1.04	mg / cm ^2
1881	5/10/2017 11:05	PAINT	2.39	Wall	C	POOR	Beige	First	H110A	Building H	Negative	< LOD	0.05	mg / cm ^2
1882	5/10/2017 11:05	PAINT	3.22	Wall	D	POOR	Beige	First	H110A	Building H	Negative	< LOD	0.06	mg / cm ^2
1883	5/10/2017 11:05	PAINT	0.51	Tile		POOR	hite w/br Spec	First	H110A	Building H	Positive	< LOD	3.9	mg / cm ^2
1884	5/10/2017 11:06	PAINT	6.83	Wall	A	POOR	Beige	First	H111	Building H	Negative	< LOD	0.91	mg / cm ^2
1885	5/10/2017 11:07	PAINT	5.63	Wall	B	POOR	Beige	First	H111	Building H	Negative	< LOD	1.03	mg / cm ^2
1886	5/10/2017 11:07	PAINT	3.24	Wall	C	POOR	Beige	First	H111	Building H	Negative	< LOD	0.07	mg / cm ^2
1887	5/10/2017 11:08	PAINT	3.24	Wall	D	POOR	Beige	First	H111	Building H	Negative	< LOD	0.07	mg / cm ^2
1888	5/10/2017 11:08	PAINT	3.22	Window	B	POOR	Brown	First	H111	Building H	Positive	1.9	0.6	mg / cm ^2
1889	5/10/2017 11:08	PAINT	1.19	Window	B	POOR	Brown	First	H111	Building H	Positive	6.7	4.3	mg / cm ^2
1890	5/10/2017 11:09	PAINT	0.86	Window	B	POOR	Brown	First	H111	Building H	Positive	< LOD	11.55	mg / cm ^2
1891	5/10/2017 11:09	PAINT	0.68	Window	B	POOR	Brown	First	H111	Building H	Positive	< LOD	15.75	mg / cm ^2
1892	5/10/2017 11:09	PAINT	0.68	Window	B	POOR	Red	First	H111	Building H	Positive	< LOD	15.75	mg / cm ^2
1893	5/10/2017 11:09	PAINT	1.02	Door Frame	C	POOR	Brown	First	H111A	Building H	Negative	< LOD	0.09	mg / cm ^2
1894	5/10/2017 11:10	PAINT	1.02	Door Frame	C	POOR	Red	First	H111A	Building H	Negative	< LOD	0.19	mg / cm ^2
1895	5/10/2017 11:10	PAINT	3.24	Wall	A	POOR	Beige	First	H111A	Building H	Negative	< LOD	0.04	mg / cm ^2
1896	5/10/2017 11:10	PAINT	3.07	Wall	B	POOR	Beige	First	H111A	Building H	Negative	< LOD	0.03	mg / cm ^2
1897	5/10/2017 11:11	PAINT	3.23	Wall	C	POOR	Beige	First	H111A	Building H	Negative	< LOD	0.03	mg / cm ^2
1898	5/10/2017 11:11	PAINT	3.22	Wall	D	POOR	Beige	First	H111A	Building H	Null	< LOD	0.36	mg / cm ^2
1899	5/10/2017 11:11	PAINT	0.34	Tile		POOR	Green	First	H111A	Building H	Null	< LOD	0.23	mg / cm ^2
1900	5/10/2017 11:12	PAINT	3.24	Wall	A	POOR	Beige	First	H112	Building H	Negative	< LOD	0.03	mg / cm ^2
1901	5/10/2017 11:12	PAINT	3.23	Wall	B	POOR	Beige	First	H112	Building H	Negative	< LOD	0.03	mg / cm ^2
1902	5/10/2017 11:13	PAINT	5.6	Wall	C	POOR	Beige	First	H112	Building H	Negative	< LOD	1.05	mg / cm ^2
1903	5/10/2017 11:13	PAINT	4.27	Wall	D	POOR	Beige	First	H112	Building H	Negative	< LOD	1.26	mg / cm ^2
1904	5/10/2017 11:14	PAINT	9.69	Window	D	POOR	Brown	First	H112	Building H	Null	1	0.3	mg / cm ^2
1905	5/10/2017 11:14	PAINT	1.19	Window	D	POOR	Brown	First	H112	Building H	Positive	< LOD	5.55	mg / cm ^2
1906	5/10/2017 11:14	PAINT	0.85	Window	D	POOR	Red	First	H112	Building H	Positive	< LOD	14.4	mg / cm ^2
1907	5/10/2017 11:15	PAINT	1.19	Window	D	POOR	Brown	First	H112	Building H	Negative	< LOD	0.79	mg / cm ^2
1908	5/10/2017 11:16	PAINT	0.68	Window	D	POOR	Red	First	H112	Building H	Positive	< LOD	16.65	mg / cm ^2
1909	5/10/2017 11:17	PAINT	1.02	Door Frame		POOR	Brown	First	H112A	Building H	Negative	< LOD	0.18	mg / cm ^2
1910	5/10/2017 11:17	PAINT	0.34	Door Frame		POOR	Red	First	H112A	Building H	Null	< LOD	0.18	mg / cm ^2
1911	5/10/2017 11:17	PAINT	0.34	Wall		POOR	Beige	First	H112A	Building H	Null	< LOD	0.16	mg / cm ^2
1912	5/10/2017 11:18	PAINT	4.26	Wall	A	POOR	Beige	First	H113	Building H	Negative	< LOD	1.2	mg / cm ^2
1913	5/10/2017 11:18	PAINT	2.39	Wall	B	POOR	Beige	First	H113	Building H	Negative	< LOD	0.03	mg / cm ^2
1914	5/10/2017 11:19	PAINT	3.24	Wall	C	POOR	Beige	First	H113	Building H	Negative	< LOD	0.12	mg / cm ^2
1915	5/10/2017 11:19	PAINT	6.15	Wall	D	POOR	Beige	First	H113	Building H	Null	< LOD	0.17	mg / cm ^2
1916	5/10/2017 11:19	PAINT	1.19	Window	D	POOR	Brown	First	H113	Building H	Positive	6.3	4	mg / cm ^2
1917	5/10/2017 11:20	PAINT	1.19	Window	D	POOR	Brown	First	H113	Building H	Positive	< LOD	6	mg / cm ^2

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1918	5/10/2017 11:20	PAINT	1.19	Window	D	POOR	Brown	First	H113	Building H	Positive	5.3	3.5	mg / cm ^2
1919	5/10/2017 11:20	PAINT	1.02	Window	D	POOR	Brown	First	H113	Building H	Positive	< LOD	10.8	mg / cm ^2
1920	5/10/2017 11:20	PAINT	0.68	Window	D	POOR	Red	First	H113	Building H	Positive	< LOD	18	mg / cm ^2
1921	5/10/2017 11:21	PAINT	1.02	Door Frame		POOR		First	H113A	Building H	Negative	< LOD	0.58	mg / cm ^2
1922	5/10/2017 11:21	PAINT	1.02	Door Frame		POOR		First	H113A	Building H	Negative	< LOD	0.12	mg / cm ^2
1923	5/10/2017 11:21	PAINT	2.9	Wall	A	POOR	Beige	First	H113A	Building H	Negative	< LOD	0.03	mg / cm ^2
1924	5/10/2017 11:21	PAINT	0.34	Wall	B	POOR	Beige	First	H113A	Building H	Null	< LOD	10.44	mg / cm ^2
1925	5/10/2017 11:22	PAINT	1.7	Wall	C	POOR	Beige	First	H113A	Building H	Negative	< LOD	0.15	mg / cm ^2
1926	5/10/2017 11:22	PAINT	2.21	Wall	D	POOR	Beige	First	H113A	Building H	Negative	< LOD	0.11	mg / cm ^2
1927	5/10/2017 11:22	PAINT	0.68	Wall	A	POOR	Beige	First	H114	Building H	Null	< LOD	1.23	mg / cm ^2
1928	5/10/2017 11:23	PAINT	1.19	Wall	B	POOR	Beige	First	H114	Building H	Null	< LOD	0.03	mg / cm ^2
1929	5/10/2017 11:23	PAINT	5.78	Wall	C	POOR	Beige	First	H114	Building H	Null	< LOD	0.2	mg / cm ^2
1930	5/10/2017 11:24	PAINT	6.63	Wall	D	POOR	Beige	First	H114	Building H	Negative	< LOD	0.98	mg / cm ^2
1931	5/10/2017 11:24	PAINT	1.19	Window	D	POOR	Brown	First	H114	Building H	Positive	< LOD	6.45	mg / cm ^2
1932	5/10/2017 11:24	PAINT	1.19	Window	D	POOR	Brown	First	H114	Building H	Positive	< LOD	5.7	mg / cm ^2
1933	5/10/2017 11:24	PAINT	1.03	Window	D	POOR	Brown	First	H114	Building H	Positive	< LOD	6.45	mg / cm ^2
1934	5/10/2017 11:24	PAINT	0.85	Window	D	POOR	Brown	First	H114	Building H	Positive	< LOD	11.85	mg / cm ^2
1935	5/10/2017 11:25	PAINT	0.69	Window	D	POOR	Red	First	H114	Building H	Positive	< LOD	14.4	mg / cm ^2
1936	5/10/2017 11:25	PAINT	2.21	Baseboard		POOR	Brown	First	H114	Building H	Negative	< LOD	0.03	mg / cm ^2
1937	5/10/2017 11:25	PAINT	1.02	Door Frame		POOR	Brown	First	H114A	Building H	Negative	< LOD	0.22	mg / cm ^2
1938	5/10/2017 11:26	PAINT	1.02	Door Frame		POOR	Red	First	H114A	Building H	Negative	< LOD	0.93	mg / cm ^2
1939	5/10/2017 11:26	PAINT	2.21	Wall		POOR	Beige	First	H114A	Building H	Null	< LOD	0.05	mg / cm ^2
1940	5/10/2017 11:27	PAINT	6.32	Wall	A	POOR	Beige	First	H115	Building H	Null	< LOD	0.07	mg / cm ^2
1941	5/10/2017 11:27	PAINT	1.87	Wall	B	POOR	Beige	First	H115	Building H	Negative	< LOD	0.03	mg / cm ^2
1942	5/10/2017 11:27	PAINT	3.24	Wall	C	POOR	Beige	First	H115	Building H	Negative	< LOD	0.24	mg / cm ^2
1943	5/10/2017 11:28	PAINT	3.23	Wall	D	POOR	Beige	First	H115	Building H	Negative	< LOD	0.03	mg / cm ^2
1944	5/10/2017 11:28	PAINT	1.19	Window	D	POOR	Brown	First	H115	Building H	Positive	< LOD	5.1	mg / cm ^2
1945	5/10/2017 11:29	PAINT	1.53	Window	D	POOR	Brown	First	H115	Building H	Positive	< LOD	4.35	mg / cm ^2
1946	5/10/2017 11:29	PAINT	1.02	Window	D	POOR	Brown	First	H115	Building H	Positive	< LOD	9.3	mg / cm ^2
1947	5/10/2017 11:30	PAINT	0.84	Window	D	POOR	Brown	First	H115	Building H	Positive	< LOD	12.15	mg / cm ^2
1948	5/10/2017 11:30	PAINT	0.85	Door Frame		POOR	Brown	First	H115A	Building H	Null	< LOD	0.22	mg / cm ^2
1949	5/10/2017 11:30	PAINT	1.02	Door Frame		POOR	Red	First	H115A	Building H	Negative	< LOD	0.36	mg / cm ^2
1950	5/10/2017 11:31	PAINT	2.72	Wall	A	POOR	Beige	First	H115A	Building H	Negative	< LOD	0.03	mg / cm ^2
1951	5/10/2017 11:31	PAINT	2.91	Wall	B	POOR	Beige	First	H115A	Building H	Null	< LOD	0.17	mg / cm ^2
1952	5/10/2017 11:31	PAINT	3.23	Wall	C	POOR	Beige	First	H115A	Building H	Negative	< LOD	0.05	mg / cm ^2
1953	5/10/2017 11:32	PAINT	3.23	Wall	D	POOR	Beige	First	H115A	Building H	Negative	< LOD	0.04	mg / cm ^2
1954	5/10/2017 11:33	PAINT	5.81	Wall	A	POOR	Beige	First	H116	Building H	Negative	< LOD	0.98	mg / cm ^2
1955	5/10/2017 11:34	PAINT	3.39	Wall	B	POOR	Beige	First	H116	Building H	Negative	< LOD	0.03	mg / cm ^2
1956	5/10/2017 11:34	PAINT	2.22	Wall	C	POOR	Beige	First	H116	Building H	Null	< LOD	0.45	mg / cm ^2
1957	5/10/2017 11:34	PAINT	0.17	Wall	D	POOR	Beige	First	H116	Building H	Null	< LOD	0.5	mg / cm ^2
1958	5/10/2017 11:34	PAINT	1.18	Wall	A	POOR	Beige	First	H116	Building H	Positive	2.2	1	mg / cm ^2
1959	5/10/2017 11:35	PAINT	0.85	Wall	C	POOR	White	First	H116	Building H	Positive	2	1	mg / cm ^2
1960	5/10/2017 11:35	PAINT	1.2	Window		POOR	White	First	H116	Building H	Positive	< LOD	3.45	mg / cm ^2
1961	5/10/2017 11:36	PAINT	1.19	Window		POOR	White	First	H116	Building H	Positive	5.5	3.6	mg / cm ^2
1962	5/10/2017 11:36	PAINT	0.51	Window		POOR	White	First	H116	Building H	Null	< LOD	16.35	mg / cm ^2
1963	5/10/2017 11:37	PAINT	0.85	Wall	A	POOR	Beige	First	H117	Building H	Null	< LOD	0.26	mg / cm ^2
1964	5/10/2017 11:37	PAINT	3.22	Wall	B	POOR	Beige	First	H117	Building H	Positive	2.9	1.3	mg / cm ^2
1965	5/10/2017 11:39	PAINT	3.24	Wall	C	POOR	Beige	First	H117	Building H	Negative	< LOD	0.03	mg / cm ^2
1966	5/10/2017 11:39	PAINT	1.87	Wall	D	POOR	Beige	First	H117	Building H	Negative	< LOD	0.03	mg / cm ^2
1967	5/10/2017 11:39	PAINT	0.85	Window		POOR	White	First	H117	Building H	Null	< LOD	0.04	mg / cm ^2
1968	5/10/2017 11:40	PAINT	1.02	Window		POOR	Brown	First	H117	Building H	Negative	< LOD	0.03	mg / cm ^2
1969	5/10/2017 11:40	PAINT	1.03	Window		POOR	Green	First	H117	Building H	Negative	< LOD	0.32	mg / cm ^2
1970	5/10/2017 11:41	PAINT	0.68	Window		POOR	Brown	First	H117	Building H	Positive	< LOD	10.35	mg / cm ^2
1971	5/10/2017 11:41	PAINT	0.85	Window		POOR	Red	First	H117	Building H	Positive	< LOD	13.05	mg / cm ^2
1972	5/10/2017 11:41	PAINT	1.03	Window		POOR	Red	First	H117	Building H	Positive	< LOD	6.6	mg / cm ^2
1973	5/10/2017 11:42	PAINT	1.02	Door Frame		POOR	Brown	First	H117A	Building H	Negative	< LOD	0.11	mg / cm ^2
1974	5/10/2017 11:42	PAINT	1.02	Door Frame		POOR	Red	First	H117A	Building H	Negative	< LOD	0.61	mg / cm ^2
1975	5/10/2017 11:42	PAINT	3.23	Wall	A	POOR	Beige	First	H117A	Building H	Negative	< LOD	0.03	mg / cm ^2
1976	5/10/2017 11:43	PAINT	2.72	Wall	B	POOR	Beige	First	H117A	Building H	Negative	< LOD	0.05	mg / cm ^2
1977	5/10/2017 11:46	PAINT	3.59	Calibration		POOR					Positive	1	0.1	mg / cm ^2
1978	5/10/2017 11:46	PAINT	1.01	Calibration		POOR					Positive	1	0.5	mg / cm ^2
1979	5/10/2017 11:46	PAINT	2.4	Calibration		POOR					Negative	0.9	0.2	mg / cm ^2

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1980	5/10/2017 12:36	SHUTTER_CAL	154.79			POOR						2.17	0	cps
1981	5/10/2017 12:38	PAINT	13.67	Calibration		POOR					Positive	1	0.1	mg / cm ^2
1982	5/10/2017 12:39	PAINT	8.39	Calibration		POOR					Positive	1.1	0.1	mg / cm ^2
1983	5/10/2017 12:39	PAINT	7.5	Calibration		POOR					Negative	0.9	0.1	mg / cm ^2
1984	5/10/2017 12:46	PAINT	0.86	Door Frame	H112	POOR	Brown	First	Hallway btw 112-118	Building H	Positive	< LOD	5.55	mg / cm ^2
1985	5/10/2017 12:47	PAINT	1.03	Door Frame	H112	POOR	Brown	First	Hallway btw 112-118	Building H	Positive	< LOD	5.85	mg / cm ^2
1986	5/10/2017 12:47	PAINT	0.68	Door Frame	H114	POOR	Brown	First	Hallway btw 112-118	Building H	Null	< LOD	6.15	mg / cm ^2
1987	5/10/2017 12:47	PAINT	1.19	Door Frame	H114	POOR	Brown	First	Hallway btw 112-118	Building H	Positive	4.4	2.7	mg / cm ^2
1988	5/10/2017 12:47	PAINT	1.36	Door	H114	POOR	Beige	First	Hallway btw 112-118	Building H	Positive	< LOD	4.95	mg / cm ^2
1989	5/10/2017 12:47	PAINT	0.85	Door	H113	POOR	Beige	First	Hallway btw 112-118	Building H	Null	< LOD	3.75	mg / cm ^2
1990	5/10/2017 12:48	PAINT	1.02	Door Frame	H117	POOR	Brown	First	Hallway btw 112-118	Building H	Negative	< LOD	0.36	mg / cm ^2
1991	5/10/2017 12:48	PAINT	1.02	Door Frame	H117	POOR	Brown	First	Hallway btw 112-118	Building H	Negative	< LOD	0.65	mg / cm ^2
1992	5/10/2017 12:49	PAINT	1.02	Door Frame	H116	POOR	Brown	First	Hallway btw 112-118	Building H	Negative	< LOD	0.49	mg / cm ^2
1993	5/10/2017 12:49	PAINT	1.02			POOR		First	Hallway btw 112-118	Building H	Negative	< LOD	0.07	mg / cm ^2
1994	5/10/2017 12:50	PAINT	0.85			POOR		First	Hallway btw 112-118	Building H	Positive	< LOD	11.1	mg / cm ^2
1995	5/10/2017 12:50	PAINT	1.03	Door Frame	H116	POOR	White	First	Hallway btw 112-118	Building H	Positive	< LOD	9.75	mg / cm ^2
1996	5/10/2017 12:52	PAINT	1.02	Door		POOR		First	Hallway btw 112-118	Building H	Negative	< LOD	0.03	mg / cm ^2
1997	5/10/2017 12:52	PAINT	1.02	Door		POOR		First	Hallway btw 112-118	Building H	Negative	< LOD	0.03	mg / cm ^2
1998	5/10/2017 12:53	PAINT	1.36	Wall	A	POOR	Beige	First	Hallway btw 112-118	Building H	Negative	< LOD	0.03	mg / cm ^2
1999	5/10/2017 12:54	PAINT	6.26	Wall	B	POOR	Beige	First	Hallway btw 112-118	Building H	Negative	< LOD	1.02	mg / cm ^2
2000	5/10/2017 12:54	PAINT	1.7	Wall	C	POOR	Beige	First	Hallway btw 112-118	Building H	Negative	< LOD	0.03	mg / cm ^2
2001	5/10/2017 12:54	PAINT	4.79	Wall	D	POOR	Beige	First	Hallway btw 112-118	Building H	Negative	< LOD	1.16	mg / cm ^2
2002	5/10/2017 12:55	PAINT	7.66	Wall	D	POOR	Green	First	Hallway btw 112-118	Building H	Negative	< LOD	0.9	mg / cm ^2
2003	5/10/2017 12:56	PAINT	1.02	Ceiling	D	POOR	White/Beige	First	Hallway btw 112-118	Building H	Negative	< LOD	0.21	mg / cm ^2
2004	5/10/2017 12:56	PAINT	3.22	Wall	B	POOR	Green	First	Hallway btw 112-118	Building H	Negative	< LOD	0.03	mg / cm ^2
2005	5/10/2017 12:57	PAINT	1.87	Baseboard	D	POOR	Brown	First	Hallway btw 112-118	Building H	Positive	< LOD	4.5	mg / cm ^2
2006	5/10/2017 12:57	PAINT	1.19	Door Frame	C	POOR	Brown	First	Hallway btw 112-118	Building H	Positive	3.1	1.9	mg / cm ^2
2007	5/10/2017 12:58	PAINT	1.2	Door Frame	C	POOR	Brown	First	Hallway btw 112-118	Building H	Positive	7	4.3	mg / cm ^2
2008	5/10/2017 12:59	PAINT	1.19	Door Frame	H110	POOR		First	Hallway btw 108-111	Building H	Positive	< LOD	5.4	mg / cm ^2
2009	5/10/2017 12:59	PAINT	1.53	Door Frame	H110	POOR		First	Hallway btw 108-111	Building H	Positive	< LOD	4.05	mg / cm ^2
2010	5/10/2017 12:59	PAINT	1.02	Door Frame	H110	POOR		First	Hallway btw 108-111	Building H	Negative	< LOD	0.19	mg / cm ^2
2011	5/10/2017 13:00	PAINT	1.54	Wall	A	POOR	Beige	First	Hallway btw 108-111	Building H	Negative	< LOD	0.03	mg / cm ^2
2012	5/10/2017 13:01	PAINT	9.24	Wall	B	POOR	Beige	First	Hallway btw 108-111	Building H	Negative	< LOD	0.9	mg / cm ^2
2013	5/10/2017 13:01	PAINT	3.22	Wall	C	POOR	Beige	First	Hallway btw 108-111	Building H	Negative	< LOD	0.23	mg / cm ^2
2014	5/10/2017 13:01	PAINT	1.52	Wall	D	POOR	Beige	First	Hallway btw 108-111	Building H	Null	< LOD	0.03	mg / cm ^2
2015	5/10/2017 13:02	PAINT	8.85	Wall	B	POOR	Green	First	Hallway btw 108-111	Building H	Null	0.1	0.04	mg / cm ^2
2016	5/10/2017 13:03	PAINT	1.53	Wall	C	POOR	Green	First	Hallway btw 108-111	Building H	Null	< LOD	0.2	mg / cm ^2
2017	5/10/2017 13:03	PAINT	4.43	Wall	D	POOR	Green	First	Hallway btw 108-111	Building H	Null	0.08	0.05	mg / cm ^2
2018	5/10/2017 13:04	PAINT	1.88	Baseboard	B	POOR	Brown	First	Hallway btw 108-111	Building H	Positive	< LOD	4.8	mg / cm ^2
2019	5/10/2017 13:05	PAINT	2.73	Wall	A	POOR	White	First	H118	Building H	Negative	< LOD	0.1	mg / cm ^2
2020	5/10/2017 13:06	PAINT	1.89	Wall	C	POOR	White	First	H118	Building H	Negative	< LOD	0.07	mg / cm ^2
2021	5/10/2017 13:06	PAINT	2.91	Wall	C	POOR	White	First	H118	Building H	Negative	< LOD	0.13	mg / cm ^2
2022	5/10/2017 13:06	PAINT	0.17	Ceiling		POOR	Green	First	H118	Building H	Null	< LOD	0.15	mg / cm ^2
2023	5/10/2017 13:07	PAINT	2.21	Ceiling		POOR	Green	First	H118	Building H	Null	< LOD	0.07	mg / cm ^2
2024	5/10/2017 13:07	PAINT	0.68	Pipe	A	POOR		First	H118	Building H	Null	< LOD	3.3	mg / cm ^2
2025	5/10/2017 13:07	PAINT	1.19	Pipe	A	POOR		First	H118	Building H	Positive	2.6	1.3	mg / cm ^2
2026	5/10/2017 13:08	PAINT	1.36	Pipe	B	POOR		First	H118	Building H	Positive	2.1	1	mg / cm ^2
2027	5/10/2017 13:09	PAINT	1.02	Door Frame	D	POOR	Brown	First	H118	Building H	Negative	< LOD	0.04	mg / cm ^2
2028	5/10/2017 13:09	PAINT	0.85	Door Frame	D	POOR	Brown	First	H118	Building H	Positive	< LOD	11.85	mg / cm ^2
2029	5/10/2017 13:11	PAINT	0.86	Ceiling		POOR	White	First	H119	Building H	Null	< LOD	0.03	mg / cm ^2
2030	5/10/2017 13:11	PAINT	1.02	Cabinet		POOR	Blue	First	H119	Building H	Negative	< LOD	0.18	mg / cm ^2
2031	5/10/2017 13:11	PAINT	1.03	Cabinet		POOR	Blue	First	H119	Building H	Negative	< LOD	0.62	mg / cm ^2
2032	5/10/2017 13:12	PAINT	1.02	Cabinet		POOR	Green	First	H119	Building H	Negative	< LOD	0.17	mg / cm ^2
2033	5/10/2017 13:12	PAINT	1.02	Cabinet		POOR	Green	First	H119	Building H	Negative	< LOD	0.09	mg / cm ^2
2034	5/10/2017 13:12	PAINT	1.02	Cabinet		POOR	Green	First	H119	Building H	Negative	< LOD	0.07	mg / cm ^2
2035	5/10/2017 13:12	PAINT	0.85	Cabinet		POOR	Green	First	H119	Building H	Null	< LOD	0.2	mg / cm ^2
2036	5/10/2017 13:13	PAINT	1.02	Window	A	POOR	White	First	H119	Building H	Negative	< LOD	0.49	mg / cm ^2
2037	5/10/2017 13:13	PAINT	1.02	Window	A	POOR	White	First	H119	Building H	Negative	< LOD	0.39	mg / cm ^2
2038	5/10/2017 13:13	PAINT	1.03	Window	B	POOR	White	First	H119	Building H	Negative	< LOD	0.05	mg / cm ^2
2039	5/10/2017 13:13	PAINT	1.02	Window	B	POOR	White	First	H119	Building H	Negative	< LOD	0.03	mg / cm ^2
2040	5/10/2017 13:13	PAINT	1.02	Door Frame		POOR	Green	First	H119	Building H	Negative	< LOD	0.03	mg / cm ^2
2041	5/10/2017 13:15	PAINT	1.7	Wall	A	POOR	Beige	First	H120	Building H	Positive	< LOD	4.8	mg / cm ^2

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XRF Results for Building H

2042	5/10/2017 13:15	PAINT	1.54	Wall	A	POOR	White	First	H120	Building H	Positive	< LOD	5.1	mg / cm ^2
2043	5/10/2017 13:15	PAINT	2.38	Wall	B	POOR	Green	First	H120	Building H	Negative	< LOD	0.03	mg / cm ^2
2044	5/10/2017 13:16	PAINT	2.56	Wall	D	POOR	Green	First	H120	Building H	Negative	< LOD	0.03	mg / cm ^2
2045	5/10/2017 13:16	PAINT	3.25	Wall	D	POOR	White	First	H120	Building H	Negative	< LOD	0.03	mg / cm ^2
2046	5/10/2017 13:16	PAINT	1.02	Door Frame		POOR	Green	First	H120A	Building H	Negative	< LOD	0.29	mg / cm ^2
2047	5/10/2017 13:17	PAINT	1.02	Door Frame		POOR	Green	First	H120A	Building H	Negative	< LOD	0.21	mg / cm ^2
2048	5/10/2017 13:17	PAINT	5.94	Wall	A	POOR	Beige	First	H120A	Building H	Negative	< LOD	0.9	mg / cm ^2
2049	5/10/2017 13:17	PAINT	2.55	Wall	B	POOR	Beige	First	H120A	Building H	Negative	< LOD	0.06	mg / cm ^2
2050	5/10/2017 13:18	PAINT	1.71	Wall	C	POOR	Beige	First	H120A	Building H	Null	< LOD	0.03	mg / cm ^2
2051	5/10/2017 13:18	PAINT	0.51	Wall	D	POOR	Beige	First	H120A	Building H	Null	< LOD	0.54	mg / cm ^2
2052	5/10/2017 13:19	PAINT	2.73	Wall	A	POOR	Beige	First	Hallway Area H	Building H	Negative	< LOD	0.03	mg / cm ^2
2053	5/10/2017 13:19	PAINT	3.22	Wall	B	POOR	Beige	First	Hallway Area H	Building H	Negative	< LOD	0.06	mg / cm ^2
2054	5/10/2017 13:20	PAINT	3.22	Wall	D	POOR	Beige	First	Hallway Area H	Building H	Negative	< LOD	0.06	mg / cm ^2
2055	5/10/2017 13:20	PAINT	2.05	Ceiling		POOR	Beige	First	Hallway Area H	Building H	Null	< LOD	0.03	mg / cm ^2
2056	5/10/2017 13:20	PAINT	1.02	Window	D	Facing D	Green	First	Hallway Area H	Building H	Negative	< LOD	0.18	mg / cm ^2
2057	5/10/2017 13:22	PAINT	1.02	Elevator		POOR	White	First	Hallway Area H	Building H	Negative	< LOD	0.03	mg / cm ^2
2058	5/10/2017 13:22	PAINT	1.02	Elevator		POOR	White	First	Hallway Area H	Building H	Negative	< LOD	0.55	mg / cm ^2
2059	5/10/2017 13:24	PAINT	1.02	Door Frame	AreaH	POOR	Beige	First	Area Btw B & H	Building H	Negative	< LOD	0.16	mg / cm ^2
2060	5/10/2017 13:24	PAINT	1.02	Door Frame	AreaH	POOR	White	First	Area Btw B & H	Building H	Negative	< LOD	0.31	mg / cm ^2
2061	5/10/2017 13:24	PAINT	1.02	Door Frame	C	POOR	Beige	First	Area Btw B & H	Building H	Negative	< LOD	0.49	mg / cm ^2
2062	5/10/2017 13:25	PAINT	2.04	Wall	A	POOR	White	First	Area Btw B & H	Building H	Negative	< LOD	0.04	mg / cm ^2
2063	5/10/2017 13:26	PAINT	3.06	Wall	A	POOR	Green	First	Area Btw B & H	Building H	Negative	< LOD	0.09	mg / cm ^2
2064	5/10/2017 13:26	PAINT	1.89	Wall	A	POOR	Beige	First	Area Btw B & H	Building H	Negative	< LOD	0.05	mg / cm ^2
2065	5/10/2017 13:26	PAINT	3.09	Wall	A	POOR	Green	First	Area Btw B & H	Building H	Negative	< LOD	0.03	mg / cm ^2
2066	5/10/2017 13:27	PAINT	0.51	Wall	B	POOR	Beige	First	Area Btw B & H	Building H	Null	< LOD	0.34	mg / cm ^2
2067	5/10/2017 13:28	PAINT	4.93	Wall	C	POOR	Beige	First	Area Btw B & H	Building H	Negative	< LOD	1.09	mg / cm ^2
2068	5/10/2017 13:28	PAINT	1.2	Wall	D	POOR	Beige	First	Area Btw B & H	Building H	Null	< LOD	0.04	mg / cm ^2
2069	5/10/2017 13:28	PAINT	2.91	Wall	D	POOR	Green	First	Area Btw B & H	Building H	Negative	< LOD	0.03	mg / cm ^2
2070	5/10/2017 13:29	PAINT	1.02	Wall	D	POOR	White	First	Area Btw B & H	Building H	Negative	< LOD	0.04	mg / cm ^2
2071	5/10/2017 13:29	PAINT	0.51	Ceiling		POOR	Green	First	Area Btw B & H	Building H	Null	< LOD	1.16	mg / cm ^2
2072	5/10/2017 13:30	PAINT	1.02	Door Frame	C	POOR	Green	First	Area Btw B & H	Building H	Negative	< LOD	0.68	mg / cm ^2
2073	5/10/2017 13:30	PAINT	1.02	Door Frame	C	POOR	Beige	First	Area Btw B & H	Building H	Negative	< LOD	0.46	mg / cm ^2
2074	5/10/2017 13:31	PAINT	1.02	Door Frame	B	POOR	Beige	First	Area Btw B & H	Building H	Negative	< LOD	0.31	mg / cm ^2
2075	5/10/2017 13:31	PAINT	1.02	Door Frame	B	POOR	Beige	First	Area Btw B & H	Building H	Negative	< LOD	0.35	mg / cm ^2
2076	5/10/2017 13:32	PAINT	2.4	Wall	A	POOR	White	First	Area B	Building H	Negative	< LOD	0.03	mg / cm ^2
2077	5/10/2017 13:32	PAINT	2.56	Wall	B	POOR	White	First	Area B	Building H	Negative	< LOD	0.03	mg / cm ^2
2078	5/10/2017 13:33	PAINT	0.86	Wall	C	POOR	white	First	Area B	Building H	Null	< LOD	0.13	mg / cm ^2
2079	5/10/2017 13:33	PAINT	3.09	Wall	D	POOR	white	First	Area B	Building H	Negative	< LOD	0.03	mg / cm ^2
2080	5/10/2017 13:33	PAINT	1.02	Door Frame	Facing A	POOR	Brown	First	Area B	Building H	Negative	< LOD	0.37	mg / cm ^2
2081	5/10/2017 13:33	PAINT	1.03	Door Frame	Facing A	POOR	Beige	First	Area B	Building H	Negative	< LOD	0.27	mg / cm ^2
2082	5/10/2017 13:34	PAINT	1.02	Door Frame	Facing B	POOR	Brown	First	Area B	Building H	Negative	< LOD	0.42	mg / cm ^2
2083	5/10/2017 13:34	PAINT	1.02	Door Frame	Facing B	POOR	Brown	First	Area B	Building H	Negative	< LOD	0.52	mg / cm ^2
2084	5/10/2017 13:34	PAINT	2.23	Wall	A	POOR	White	First	H181	Building H	Negative	< LOD	0.03	mg / cm ^2
2085	5/10/2017 13:35	PAINT	2.38	Wall	B	POOR	White	First	H181	Building H	Null	< LOD	0.03	mg / cm ^2
2086	5/10/2017 13:35	PAINT	2.03	Wall	C	POOR	white	First	H181	Building H	Negative	< LOD	0.03	mg / cm ^2
2087	5/10/2017 13:35	PAINT	0.86	Wall	D	POOR	white	First	H181	Building H	Null	< LOD	0.03	mg / cm ^2
2088	5/10/2017 13:36	PAINT	1.02	Door Frame	Facing A	POOR	Brown	First	H181	Building H	Negative	< LOD	0.24	mg / cm ^2
2089	5/10/2017 13:36	PAINT	1.02	Door Frame	Facing A	POOR	Beige	First	H181	Building H	Negative	< LOD	0.28	mg / cm ^2
2090	5/10/2017 13:37	PAINT	3.07	Wall	A	POOR	Lt. Green	First	Animal End of Area B	Building H	Negative	< LOD	0.03	mg / cm ^2
2091	5/10/2017 13:38	PAINT	1.71	Wall	A	POOR	Lt. Green	First	Animal End of Area B	Building H	Null	< LOD	0.03	mg / cm ^2
2092	5/10/2017 13:38	PAINT	0.51	Wall	B	POOR	Lt. Green	First	Animal End of Area B	Building H	Null	< LOD	0.05	mg / cm ^2
2093	5/10/2017 13:38	PAINT	3.25	Wall	B	POOR	Lt. Green	First	Animal End of Area B	Building H	Negative	< LOD	0.03	mg / cm ^2
2094	5/10/2017 13:39	PAINT	3.25	Wall	C	POOR	Lt. Green	First	Animal End of Area B	Building H	Negative	< LOD	0.03	mg / cm ^2
2095	5/10/2017 13:39	PAINT	1.89	Wall	D	POOR	Lt. Green	First	Animal End of Area B	Building H	Negative	< LOD	0.03	mg / cm ^2
2096	5/10/2017 13:40	PAINT	3.23	Wall	D	POOR	Lt. Green	First	Animal End of Area B	Building H	Negative	< LOD	0.03	mg / cm ^2
2097	5/10/2017 13:40	PAINT	2.9	Window	B	POOR	Drk. Green	First	Animal End of Area B	Building H	Negative	< LOD	0.03	mg / cm ^2
2098	5/10/2017 13:40	PAINT	1.02	Door Frame		POOR	Green	First	Animal End of Area B	Building H	Negative	< LOD	0.62	mg / cm ^2
2099	5/10/2017 13:41	PAINT	1.02	Door Frame		POOR	Green	First	Animal End of Area B	Building H	Negative	< LOD	0.33	mg / cm ^2
2100	5/10/2017 13:41	PAINT	1.02	Door Frame		POOR	Green	First	Animal End of Area B	Building H	Negative	< LOD	0.1	mg / cm ^2
2101	5/10/2017 13:41	PAINT	1.02	Ceiling		POOR		First	Animal End of Area B	Building H	Negative	< LOD	0.03	mg / cm ^2
2102	5/10/2017 13:42	PAINT	1.02	Ceiling		POOR		First	Animal End of Area B	Building H	Negative	< LOD	0.11	mg / cm ^2
2103	5/10/2017 13:43	PAINT	1.53	Wall	A	POOR	White	First	Animal End of Area B	Building H	Null	< LOD	0.07	mg / cm ^2

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2104	5/10/2017 13:43	PAINT	3.06	Wall	A	POOR	White	First	Animal End of Area B	Building H	Negative	< LOD	0.09	mg / cm ^2
2105	5/10/2017 13:44	PAINT	3.07	Wall	B	POOR	Drk. Green	First	Animal End of Area B	Building H	Negative	< LOD	0.03	mg / cm ^2
2106	5/10/2017 13:46	PAINT	1.02	Door		POOR	Green	1st-Basemen	Stairwell	Building H	Negative	< LOD	0.61	mg / cm ^2
2107	5/10/2017 13:47	PAINT	1.02	Door		POOR	Green	1st-Basemen	Stairwell	Building H	Negative	< LOD	0.15	mg / cm ^2
2108	5/10/2017 13:47	PAINT	1.03	Door		POOR	Green	1st-Basemen	Stairwell	Building H	Negative	< LOD	0.11	mg / cm ^2
2109	5/10/2017 13:47	PAINT	1.19	Door Frame		POOR	Green	1st-Basemen	Stairwell	Building H	Positive	< LOD	4.5	mg / cm ^2
2110	5/10/2017 13:47	PAINT	1.02	Door Frame		POOR	Beige	1st-Basemen	Stairwell	Building H	Positive	2.4	1.4	mg / cm ^2
2111	5/10/2017 13:48	PAINT	3.24	Wall	D	POOR	Beige	1st-Basemen	Stairwell	Building H	Negative	0.11	0.04	mg / cm ^2
2112	5/10/2017 13:48	PAINT	1.02	Door Frame	D	POOR	Beige	1st-Basemen	Stairwell	Building H	Negative	< LOD	0.11	mg / cm ^2
2113	5/10/2017 13:48	PAINT	0.51	Rail		POOR	Green	1st-Basemen	Stairwell	Building H	Positive	3.5	2.1	mg / cm ^2
2114	5/10/2017 13:49	PAINT	1.71	Ceiling		POOR	Lt. Green	1st-Basemen	Stairwell	Building H	Null	< LOD	0.16	mg / cm ^2
2115	5/10/2017 13:49	PAINT	3.57	Wall	A	POOR	White	1st-Basemen	Stairwell	Building H	Negative	< LOD	0.04	mg / cm ^2
2116	5/10/2017 13:49	PAINT	0.34	Wall	A	POOR	Beige	1st-Basemen	Stairwell	Building H	Null	< LOD	0.34	mg / cm ^2
2117	5/10/2017 13:50	PAINT	7.48	Wall	A	POOR	Blue	1st-Basemen	Stairwell	Building H	Null	0.18	0.08	mg / cm ^2
2118	5/10/2017 13:50	PAINT	3.23	Wall	A	POOR	Drk. Green	1st-Basemen	Stairwell	Building H	Negative	< LOD	0.03	mg / cm ^2
2119	5/10/2017 13:51	PAINT	3.4	Baseboard	A	POOR	Gray	1st-Basemen	Stairwell	Building H	Negative	< LOD	0.06	mg / cm ^2
2120	5/10/2017 13:52	PAINT	13.24	Wall	C	POOR	Lt. Green	1st-Basemen	Stairwell	Building H	Null	0.15	0.06	mg / cm ^2
2121	5/10/2017 13:53	PAINT	10.54	Wall	C	POOR	Drk. Green	1st-Basemen	Stairwell	Building H	Null	0.25	0.07	mg / cm ^2
2122	5/10/2017 13:53	PAINT	1.19	Window		POOR	Green	1st-2nd	Stairwell	Building H	Positive	6.5	4.3	mg / cm ^2
2123	5/10/2017 13:54	PAINT	0.85	Window		POOR	Green	1st-2nd	Stairwell	Building H	Positive	< LOD	12.75	mg / cm ^2
2124	5/10/2017 13:54	PAINT	1.02	Window		POOR	White/Beige	1st-2nd	Stairwell	Building H	Negative	< LOD	0.33	mg / cm ^2
2125	5/10/2017 13:55	PAINT	5.13	Wall	A	POOR	White	1st-2nd	Stairwell	Building H	Null	< LOD	0.07	mg / cm ^2
2126	5/10/2017 13:56	PAINT	7.14	Wall	A	POOR	Green	1st-2nd	Stairwell	Building H	Negative	< LOD	0.9	mg / cm ^2
2127	5/10/2017 13:56	PAINT	1.19	Wall	B	POOR	Blue	1st-2nd	Stairwell	Building H	Negative	< LOD	0.56	mg / cm ^2
2128	5/10/2017 13:57	PAINT	3.74	Wall	B	POOR	Green	1st-2nd	Stairwell	Building H	Null	< LOD	0.04	mg / cm ^2
2129	5/10/2017 13:57	PAINT	3.24	Wall	B	POOR	Beige	1st-2nd	Stairwell	Building H	Negative	< LOD	0.05	mg / cm ^2
2130	5/10/2017 13:57	PAINT	2.05	Wall	C	POOR	Blue	1st-2nd	Stairwell	Building H	Null	< LOD	0.56	mg / cm ^2
2131	5/10/2017 13:57	PAINT	3.74	Wall	C	POOR	Beige	1st-2nd	Stairwell	Building H	Null	< LOD	0.27	mg / cm ^2
2132	5/10/2017 13:58	PAINT	9	Wall	C	POOR	Green	1st-2nd	Stairwell	Building H	Null	0.24	0.08	mg / cm ^2
2133	5/10/2017 14:00	PAINT	1.71	Wall	A	POOR	Beige	2nd Level	H211	Building H	Null	< LOD	0.03	mg / cm ^2
2134	5/10/2017 14:00	PAINT	3.09	Wall	B	POOR	Beige	2nd Level	H211	Building H	Negative	< LOD	0.03	mg / cm ^2
2135	5/10/2017 14:01	PAINT	2.21	Wall	C	POOR	Beige	2nd Level	H211	Building H	Negative	< LOD	0.03	mg / cm ^2
2136	5/10/2017 14:01	PAINT	2.71	Wall	D	POOR	Beige	2nd Level	H211	Building H	Negative	< LOD	0.05	mg / cm ^2
2137	5/10/2017 14:01	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H211A	Building H	Negative	< LOD	0.21	mg / cm ^2
2138	5/10/2017 14:01	PAINT	1.03	Door Frame		POOR	Brown	2nd Level	H211A	Building H	Negative	< LOD	0.2	mg / cm ^2
2139	5/10/2017 14:02	PAINT	2.55	Wall	A	POOR	Beige	2nd Level	H211A	Building H	Negative	< LOD	0.06	mg / cm ^2
2140	5/10/2017 14:02	PAINT	1.02	Wall	A	POOR	Beige	2nd Level	H211A	Building H	Negative	< LOD	0.19	mg / cm ^2
2141	5/10/2017 14:02	PAINT	1.19	Window	C	POOR	Brown	2nd Level	H211	Building H	Positive	< LOD	5.4	mg / cm ^2
2142	5/10/2017 14:03	PAINT	1.2	Window	C	POOR	Brown	2nd Level	H211	Building H	Positive	< LOD	5.25	mg / cm ^2
2143	5/10/2017 14:03	PAINT	1.19	Window	C	POOR	Brown	2nd Level	H211	Building H	Positive	6.2	3.8	mg / cm ^2
2144	5/10/2017 14:03	PAINT	0.68	Window	C	POOR	Brown	2nd Level	H211	Building H	Positive	< LOD	15.9	mg / cm ^2
2145	5/10/2017 14:04	PAINT	2.91	Wall	A	POOR	Beige	2nd Level	H212	Building H	Negative	< LOD	0.03	mg / cm ^2
2146	5/10/2017 14:04	PAINT	2.21	Wall	B	POOR	Beige	2nd Level	H212	Building H	Negative	< LOD	0.11	mg / cm ^2
2147	5/10/2017 14:04	PAINT	5.13	Wall	C	POOR	Beige	2nd Level	H212	Building H	Null	< LOD	0.06	mg / cm ^2
2148	5/10/2017 14:05	PAINT	3.22	Wall	D	POOR	Beige	2nd Level	H212	Building H	Negative	< LOD	0.08	mg / cm ^2
2149	5/10/2017 14:05	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H212A	Building H	Negative	< LOD	0.71	mg / cm ^2
2150	5/10/2017 14:05	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H212A	Building H	Negative	< LOD	0.42	mg / cm ^2
2151	5/10/2017 14:06	PAINT	3.23	Wall	C	POOR	Beige	2nd Level	H212A	Building H	Negative	< LOD	0.04	mg / cm ^2
2152	5/10/2017 14:06	PAINT	1.53	Wall	C	POOR	Green	2nd Level	H212A	Building H	Null	< LOD	0.03	mg / cm ^2
2153	5/10/2017 14:06	PAINT	1.89	Wall	A	POOR	Beige	2nd Level	H213	Building H	Null	< LOD	0.03	mg / cm ^2
2154	5/10/2017 14:06	PAINT	2.39	Wall	B	POOR	Beige	2nd Level	H213	Building H	Negative	< LOD	0.03	mg / cm ^2
2155	5/10/2017 14:07	PAINT	6.61	Wall	C	POOR	Beige	2nd Level	H213	Building H	Null	< LOD	0.2	mg / cm ^2
2156	5/10/2017 14:07	PAINT	6.85	Wall	D	POOR	Beige	2nd Level	H213	Building H	Null	< LOD	0.11	mg / cm ^2
2157	5/10/2017 14:08	PAINT	0.68	Door Frame		POOR	Brown	2nd Level	H213A	Building H	Null	< LOD	0.33	mg / cm ^2
2158	5/10/2017 14:08	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H213A	Building H	Negative	< LOD	0.28	mg / cm ^2
2159	5/10/2017 14:08	PAINT	2.72	Wall	B	POOR	Green	2nd Level	H213A	Building H	Negative	< LOD	0.03	mg / cm ^2
2160	5/10/2017 14:09	PAINT	0.51	Wall	B	POOR	Beige	2nd Level	H213A	Building H	Null	< LOD	0.05	mg / cm ^2
2161	5/10/2017 14:09	PAINT	2.38	Wall	B	POOR	White	2nd Level	H213A	Building H	Null	< LOD	0.03	mg / cm ^2
2162	5/10/2017 14:09	PAINT	1.36	Wall	A	POOR	Beige	2nd Level	H214	Building H	Null	< LOD	0.3	mg / cm ^2
2163	5/10/2017 14:10	PAINT	3.08	Wall	B	POOR	Beige	2nd Level	H214	Building H	Null	< LOD	0.17	mg / cm ^2
2164	5/10/2017 14:10	PAINT	2.73	Wall	C	POOR	Beige	2nd Level	H214	Building H	Negative	< LOD	0.03	mg / cm ^2
2165	5/10/2017 14:10	PAINT	2.37	Wall	D	POOR	Beige	2nd Level	H214	Building H	Negative	< LOD	0.18	mg / cm ^2

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2166	5/10/2017 14:10	PAINT	0.85	Door Frame		POOR	Brown	2nd Level	H214A	Building H	Null	< LOD	0.88	mg / cm ^2
2167	5/10/2017 14:11	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H214A	Building H	Negative	< LOD	0.37	mg / cm ^2
2168	5/10/2017 14:11	PAINT	3.23	Wall	C	POOR	Beige	2nd Level	H214A	Building H	Negative	< LOD	0.03	mg / cm ^2
2169	5/10/2017 14:12	PAINT	1.88	Wall	A	POOR	Beige	2nd Level	H215	Building H	Null	< LOD	0.28	mg / cm ^2
2170	5/10/2017 14:12	PAINT	3.23	Wall	B	POOR	Beige	2nd Level	H215	Building H	Negative	< LOD	0.07	mg / cm ^2
2171	5/10/2017 14:12	PAINT	3.07	Wall	C	POOR	Beige	2nd Level	H215	Building H	Negative	< LOD	1.45	mg / cm ^2
2172	5/10/2017 14:13	PAINT	3.07	Wall	D	POOR	Beige	2nd Level	H215	Building H	Null	< LOD	0.23	mg / cm ^2
2173	5/10/2017 14:13	PAINT	1.02	Window		POOR	Brown	2nd Level	H215	Building H	Positive	< LOD	10.2	mg / cm ^2
2174	5/10/2017 14:13	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H215A	Building H	Negative	< LOD	0.5	mg / cm ^2
2175	5/10/2017 14:14	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H215A	Building H	Negative	< LOD	0.28	mg / cm ^2
2176	5/10/2017 14:14	PAINT	2.22	Wall	C	POOR	Beige	2nd Level	H215A	Building H	Negative	< LOD	0.04	mg / cm ^2
2177	5/10/2017 14:15	PAINT	3.93	Wall	B	POOR	Beige	2nd Level	H216	Building H	Null	< LOD	0.16	mg / cm ^2
2178	5/10/2017 14:15	PAINT	1.18	Wall	C	POOR	Beige	2nd Level	H216	Building H	Negative	< LOD	0.03	mg / cm ^2
2179	5/10/2017 14:15	PAINT	0.51	Wall	D	POOR	Beige	2nd Level	H216	Building H	Null	< LOD	0.18	mg / cm ^2
2180	5/10/2017 14:15	PAINT	3.23	Baseboard		POOR	Beige	2nd Level	H216	Building H	Negative	0.3	0.1	mg / cm ^2
2181	5/10/2017 14:16	PAINT	1.69	Wall	A	POOR	Beige	2nd Level	H217	Building H	Null	< LOD	0.03	mg / cm ^2
2182	5/10/2017 14:16	PAINT	0.51	Wall	B	POOR	Beige	2nd Level	H217	Building H	Null	< LOD	0.03	mg / cm ^2
2183	5/10/2017 14:17	PAINT	4.09	Wall	C	POOR	Beige	2nd Level	H217	Building H	Null	< LOD	0.11	mg / cm ^2
2184	5/10/2017 14:17	PAINT	1.71	Wall	D	POOR	Beige	2nd Level	H217	Building H	Null	< LOD	0.69	mg / cm ^2
2185	5/10/2017 14:17	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H217A	Building H	Negative	< LOD	0.09	mg / cm ^2
2186	5/10/2017 14:17	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H217A	Building H	Negative	< LOD	0.18	mg / cm ^2
2187	5/10/2017 14:17	PAINT	2.22	Wall	A	POOR	Beige	2nd Level	H217A	Building H	Negative	< LOD	0.03	mg / cm ^2
2188	5/10/2017 14:18	PAINT	1.2	Wall	A	POOR	Beige	2nd Level	H218	Building H	Null	< LOD	0.24	mg / cm ^2
2189	5/10/2017 14:18	PAINT	2.91	Wall	B	POOR	Beige	2nd Level	H218	Building H	Negative	< LOD	0.04	mg / cm ^2
2190	5/10/2017 14:19	PAINT	2.73	Wall	C	POOR	Beige	2nd Level	H218	Building H	Negative	< LOD	0.03	mg / cm ^2
2191	5/10/2017 14:19	PAINT	3.59	Wall	D	POOR	Beige	2nd Level	H218	Building H	Null	< LOD	0.23	mg / cm ^2
2192	5/10/2017 14:19	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H218A	Building H	Negative	< LOD	0.07	mg / cm ^2
2193	5/10/2017 14:19	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H218A	Building H	Negative	< LOD	0.14	mg / cm ^2
2194	5/10/2017 14:20	PAINT	3.75	Wall	B	POOR	Beige	2nd Level	H218A	Building H	Null	0.23	0.09	mg / cm ^2
2195	5/10/2017 14:21	PAINT	2.73	Wall	A	POOR	Beige	2nd Level	H219	Building H	Negative	< LOD	0.04	mg / cm ^2
2196	5/10/2017 14:21	PAINT	2.03	Wall	B	POOR	Beige	2nd Level	H219	Building H	Negative	< LOD	0.11	mg / cm ^2
2197	5/10/2017 14:21	PAINT	6.13	Wall	C	POOR	Beige	2nd Level	H219	Building H	Null	< LOD	0.23	mg / cm ^2
2198	5/10/2017 14:22	PAINT	2.04	Wall	D	POOR	Beige	2nd Level	H219	Building H	Null	< LOD	0.06	mg / cm ^2
2199	5/10/2017 14:22	PAINT	1.03	Wall	D	POOR		2nd Level	H219	Building H	Negative	< LOD	0.03	mg / cm ^2
2200	5/10/2017 14:23	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H219A	Building H	Negative	< LOD	0.32	mg / cm ^2
2201	5/10/2017 14:23	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H219A	Building H	Negative	< LOD	0.23	mg / cm ^2
2202	5/10/2017 14:24	PAINT	3.06	Wall	A	POOR	Beige	2nd Level	H220	Building H	Null	< LOD	0.03	mg / cm ^2
2203	5/10/2017 14:24	PAINT	0.85	Wall	B	POOR	Beige	2nd Level	H220	Building H	Null	< LOD	0.04	mg / cm ^2
2204	5/10/2017 14:24	PAINT	2.56	Wall	C	POOR	Beige	2nd Level	H220	Building H	Null	< LOD	0.03	mg / cm ^2
2205	5/10/2017 14:24	PAINT	1.19	Wall	D	POOR	Beige	2nd Level	H220	Building H	Null	< LOD	0.11	mg / cm ^2
2206	5/10/2017 14:25	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H220A	Building H	Negative	< LOD	0.18	mg / cm ^2
2207	5/10/2017 14:25	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H220A	Building H	Negative	< LOD	0.18	mg / cm ^2
2208	5/10/2017 14:25	PAINT	3.23	Wall	A	POOR	Beige	2nd Level	H220A	Building H	Negative	< LOD	0.03	mg / cm ^2
2209	5/10/2017 14:26	PAINT	1.87	Wall	A	POOR	Beige	2nd Level	H221	Building H	Negative	< LOD	0.16	mg / cm ^2
2210	5/10/2017 14:26	PAINT	1.53	Wall	B	POOR	Beige	2nd Level	H221	Building H	Null	< LOD	0.9	mg / cm ^2
2211	5/10/2017 14:26	PAINT	3.42	Wall	C	POOR	Beige	2nd Level	H221	Building H	Null	< LOD	0.25	mg / cm ^2
2212	5/10/2017 14:26	PAINT	1.54	Wall	D	POOR	Beige	2nd Level	H221	Building H	Null	< LOD	0.03	mg / cm ^2
2213	5/10/2017 14:27	PAINT	4.43	Wall	A	POOR	Beige	2nd Level	H222	Building H	Null	< LOD	0.03	mg / cm ^2
2214	5/10/2017 14:27	PAINT	2.39	Wall	B	POOR	Beige	2nd Level	H222	Building H	Null	< LOD	0.13	mg / cm ^2
2215	5/10/2017 14:28	PAINT	2.72	Wall	C	POOR	Beige	2nd Level	H222	Building H	Negative	< LOD	0.05	mg / cm ^2
2216	5/10/2017 14:28	PAINT	1.03	Wall	D	POOR	Beige	2nd Level	H222	Building H	Negative	< LOD	0.55	mg / cm ^2
2217	5/10/2017 14:28	PAINT	1.03	Window		POOR	Brown	2nd Level	H222	Building H	Positive	< LOD	9.75	mg / cm ^2
2218	5/10/2017 14:28	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H222A	Building H	Negative	< LOD	0.61	mg / cm ^2
2219	5/10/2017 14:29	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H222A	Building H	Negative	< LOD	0.69	mg / cm ^2
2220	5/10/2017 14:29	PAINT	1.02	Wall	B	POOR	Beige	2nd Level	H222A	Building H	Negative	< LOD	0.18	mg / cm ^2
2221	5/10/2017 14:29	PAINT	4.26	Wall	A	POOR	Beige	2nd Level	H223	Building H	Negative	< LOD	0.03	mg / cm ^2
2222	5/10/2017 14:30	PAINT	1.19	Wall	B	POOR	Beige	2nd Level	H223	Building H	Positive	7.8	4.8	mg / cm ^2
2223	5/10/2017 14:30	PAINT	1.36	Wall	B	POOR	Beige	2nd Level	H223	Building H	Positive	< LOD	5.55	mg / cm ^2
2224	5/10/2017 14:30	PAINT	3.23	Wall	C	POOR	Beige	2nd Level	H223	Building H	Negative	< LOD	0.03	mg / cm ^2
2225	5/10/2017 14:31	PAINT	2.73	Wall	D	POOR	Beige	2nd Level	H223	Building H	Null	< LOD	0.05	mg / cm ^2
2226	5/10/2017 14:31	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H223A	Building H	Negative	< LOD	0.14	mg / cm ^2
2227	5/10/2017 14:31	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H223A	Building H	Negative	< LOD	0.18	mg / cm ^2

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2228	5/10/2017 14:31	PAINT	3.22	Wall	B	POOR	Beige	2nd Level	H223A	Building H	Negative	< LOD	0.05	mg / cm ^2
2229	5/10/2017 14:32	PAINT	2.05	Wall	A	POOR	Beige	2nd Level	H224	Building H	Negative	< LOD	0.03	mg / cm ^2
2230	5/10/2017 14:32	PAINT	3.23	Wall	B	POOR	Beige	2nd Level	H224	Building H	Negative	< LOD	0.06	mg / cm ^2
2231	5/10/2017 14:33	PAINT	4.1	Wall	C	POOR	Beige	2nd Level	H224	Building H	Negative	< LOD	0.03	mg / cm ^2
2232	5/10/2017 14:33	PAINT	1.2	Wall	D	POOR	Beige	2nd Level	H224	Building H	Null	< LOD	0.03	mg / cm ^2
2233	5/10/2017 14:33	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H224A	Building H	Negative	< LOD	0.3	mg / cm ^2
2234	5/10/2017 14:33	PAINT	1.02	Door Frame		POOR	Brown	2nd Level	H224A	Building H	Negative	< LOD	0.77	mg / cm ^2
2235	5/10/2017 14:34	PAINT	3.24	Wall	A	POOR	Beige	2nd Level	H224A	Building H	Negative	< LOD	0.07	mg / cm ^2
2236	5/10/2017 14:36	PAINT	7.34	Calibration		POOR					Positive	1.1	0.1	mg / cm ^2
2237	5/10/2017 14:37	PAINT	14.7	Calibration		POOR					Positive	1	0.1	mg / cm ^2
2238	5/10/2017 14:38	PAINT	19.29	Calibration		POOR					Positive	1	0.1	mg / cm ^2
2239	5/10/2017 14:43	PAINT	1.87	Wall	A	POOR	Beige	2nd Level	H225	Building H	Null	< LOD	0.28	mg / cm ^2
2240	5/10/2017 14:43	PAINT	0.34	Wall	B	POOR	Beige	2nd Level	H225	Building H	Null	< LOD	0.05	mg / cm ^2
2241	5/10/2017 14:44	PAINT	3.24	Wall	C	POOR	Beige	2nd Level	H225	Building H	Negative	< LOD	0.06	mg / cm ^2
2242	5/10/2017 14:44	PAINT	4.75	Wall	D	POOR	Beige	2nd Level	H225	Building H	Negative	< LOD	1.14	mg / cm ^2
2243	5/10/2017 14:44	PAINT	1.03	Window		POOR	Brown	2nd Level	H225	Building H	Positive	< LOD	9.9	mg / cm ^2
2244	5/10/2017 14:45	PAINT	0.85	Window		POOR	Brown	2nd Level	H225	Building H	Positive	< LOD	12.6	mg / cm ^2
2245	5/10/2017 14:45	PAINT	1.2	Window		POOR	Brown	2nd Level	H225	Building H	Positive	< LOD	5.25	mg / cm ^2
2246	5/10/2017 14:45	PAINT	0.68	Window		POOR	Brown	2nd Level	H225	Building H	Positive	< LOD	16.95	mg / cm ^2
2247	5/10/2017 14:45	PAINT	1.03	Door Frame		POOR	Brown	2nd Level	H225A	Building H	Negative	< LOD	0.36	mg / cm ^2
2248	5/10/2017 14:46	PAINT	0.34	Door Frame		POOR	Brown	2nd Level	H225A	Building H	Null	< LOD	0.67	mg / cm ^2
2249	5/10/2017 14:46	PAINT	3.39	Wall	C	POOR	Green/Beige	2nd Level	H225A	Building H	Negative	< LOD	0.03	mg / cm ^2
2250	5/10/2017 14:47	PAINT	1.36	Wall	A	POOR	Beige	2nd Level	H226	Building H	Null	< LOD	0.03	mg / cm ^2
2251	5/10/2017 14:48	PAINT	6.85	Wall	B	POOR	Beige	2nd Level	H226	Building H	Null	< LOD	0.11	mg / cm ^2
2252	5/10/2017 14:48	PAINT	3.22	Wall	C	POOR	Beige	2nd Level	H226	Building H	Negative	< LOD	0.08	mg / cm ^2
2253	5/10/2017 14:48	PAINT	3.24	Wall	D	POOR	Beige	2nd Level	H226	Building H	Negative	< LOD	1.31	mg / cm ^2
2254	5/10/2017 14:49	PAINT	1.02	Wall		POOR		2nd Level	H226	Building H	Negative	< LOD	0.17	mg / cm ^2
2255	5/10/2017 14:49	PAINT	1.03	Door Frame		POOR		2nd Level	H226	Building H	Negative	< LOD	0.22	mg / cm ^2
2256	5/10/2017 14:49	PAINT	0.85	Door Frame		POOR	Brown	2nd Level	H226	Building H	Positive	< LOD	12.9	mg / cm ^2
2257	5/10/2017 14:50	PAINT	1.19	Door Frame		POOR	Brown	2nd Level	H226	Building H	Positive	6.3	4.1	mg / cm ^2
2258	5/10/2017 14:50	PAINT	1.19	Wall		POOR	Brown	2nd Level	H226	Building H	Positive	6.6	4.2	mg / cm ^2
2259	5/10/2017 14:51	PAINT	1.03	Cabinet		POOR	Green	2nd Level	H227	Building H	Negative	< LOD	0.42	mg / cm ^2
2260	5/10/2017 14:51	PAINT	1.19	Wall	A	POOR	Green	2nd Level	H227	Building H	Null	< LOD	0.03	mg / cm ^2
2261	5/10/2017 14:51	PAINT	1.02	Wall	B	POOR	Green	2nd Level	H227	Building H	Negative	< LOD	0.33	mg / cm ^2
2262	5/10/2017 14:52	PAINT	3.06	Wall	C	POOR	Green	2nd Level	H227	Building H	Negative	< LOD	0.1	mg / cm ^2
2263	5/10/2017 14:52	PAINT	1.87	Wall	D	POOR	Green	2nd Level	H227	Building H	Negative	< LOD	0.15	mg / cm ^2
2264	5/10/2017 14:52	PAINT	1.02	Shelf	D	POOR	Green	2nd Level	H227	Building H	Negative	< LOD	0.23	mg / cm ^2
2265	5/10/2017 14:53	PAINT	6.13	Pipe	C	POOR	Green	2nd Level	H227	Building H	Negative	< LOD	0.29	mg / cm ^2
2266	5/10/2017 14:53	PAINT	1.02	Pipe	B	POOR	Green	2nd Level	H227	Building H	Negative	< LOD	0.05	mg / cm ^2
2267	5/10/2017 14:53	PAINT	1.02	Door Frame	A	POOR	Green	2nd Level	H227	Building H	Negative	< LOD	0.13	mg / cm ^2
2268	5/10/2017 14:54	PAINT	1.02	Door Frame	A	POOR	Brown	2nd Level	H227	Building H	Negative	< LOD	0.28	mg / cm ^2
2269	5/10/2017 14:54	PAINT	1.2	Window	B&C	POOR	Brown	2nd Level	H228	Building H	Positive	3.6	2.3	mg / cm ^2
2270	5/10/2017 14:55	PAINT	1.19	Window	B&C	POOR	Brown	2nd Level	H228	Building H	Positive	< LOD	5.4	mg / cm ^2
2271	5/10/2017 14:55	PAINT	1.02	Window	B&C	POOR	Brown	2nd Level	H228	Building H	Negative	< LOD	0.46	mg / cm ^2
2272	5/10/2017 14:55	PAINT	0.51	Window	B&C	POOR	Brown	2nd Level	H228	Building H	Null	< LOD	6.9	mg / cm ^2
2273	5/10/2017 14:56	PAINT	1.19	Window		POOR	Brown	2nd Level	H228	Building H	Positive	< LOD	5.55	mg / cm ^2
2274	5/10/2017 14:56	PAINT	1.19	Window		POOR	Brown	2nd Level	H228	Building H	Positive	5.7	3.6	mg / cm ^2
2275	5/10/2017 14:56	PAINT	1.36	Window		POOR	Brown	2nd Level	H228	Building H	Negative	< LOD	0.75	mg / cm ^2
2276	5/10/2017 14:56	PAINT	1.2	Window		POOR	Brown	2nd Level	H228	Building H	Positive	7.2	4.7	mg / cm ^2
2277	5/10/2017 14:57	PAINT	2.56	Wall	A	POOR	Beige	2nd Level	H228	Building H	Negative	< LOD	0.03	mg / cm ^2
2278	5/10/2017 14:58	PAINT	4.27	Wall	B	POOR	Beige	2nd Level	H228	Building H	Null	< LOD	0.18	mg / cm ^2
2279	5/10/2017 14:58	PAINT	2.04	Wall	C	POOR	Beige	2nd Level	H228	Building H	Null	< LOD	0.4	mg / cm ^2
2280	5/10/2017 14:58	PAINT	3.74	Wall	D	POOR	Beige	2nd Level	H228	Building H	Negative	< LOD	0.03	mg / cm ^2
2281	5/10/2017 14:59	PAINT	0.17	Baseboard		POOR	Brown	2nd Level	H228	Building H	Null	< LOD	5.1	mg / cm ^2
2282	5/10/2017 15:00	PAINT	1.53	Wall	A	POOR	Beige	2nd Level	Hallway	Building H	Negative	< LOD	0.03	mg / cm ^2
2283	5/10/2017 15:00	PAINT	3.23	Wall	A	POOR	Beige	2nd Level	Hallway	Building H	Negative	< LOD	0.03	mg / cm ^2
2284	5/10/2017 15:00	PAINT	2.38	Wall	B	POOR	Beige	2nd Level	Hallway	Building H	Null	< LOD	0.31	mg / cm ^2
2285	5/10/2017 15:01	PAINT	3.06	Wall	C	POOR	Beige	2nd Level	Hallway	Building H	Negative	< LOD	0.12	mg / cm ^2
2286	5/10/2017 15:01	PAINT	2.39	Wall	D	POOR	Beige	2nd Level	Hallway	Building H	Negative	< LOD	0.03	mg / cm ^2
2287	5/10/2017 15:02	PAINT	1.02	Elevator	B	POOR	Green	2nd Level	Hallway	Building H	Negative	< LOD	0.35	mg / cm ^2
2288	5/10/2017 15:02	PAINT	3.24	Wall		POOR	Green	2nd Level	Hallway	Building H	Negative	< LOD	0.03	mg / cm ^2
2289	5/10/2017 15:02	PAINT	1.02	Wall		POOR	Tan	2nd Level	Hallway	Building H	Negative	< LOD	0.71	mg / cm ^2

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2290	5/10/2017 15:03	PAINT	1.02	Ceiling		POOR	White	2nd Level	Hallway	Building H	Negative	< LOD	0.28	mg / cm ^2
2291	5/10/2017 15:03	PAINT	1.53	Fire - Cabinet		POOR	Brown	2nd Level	Hallway	Building H	Positive	< LOD	5.55	mg / cm ^2
2292	5/10/2017 15:03	PAINT	1.19	Fire - Cabinet		POOR	Brown	2nd Level	Hallway	Building H	Positive	6.5	4.2	mg / cm ^2
2293	5/10/2017 15:04	PAINT	1.02	Fire - Cabinet		POOR		2nd Level	Hallway	Building H	Positive	< LOD	9.15	mg / cm ^2
2294	5/10/2017 15:04	PAINT	0.68	Fire - Cabinet		POOR		2nd Level	Hallway	Building H	Positive	< LOD	14.25	mg / cm ^2
2295	5/10/2017 15:04	PAINT	0.68	Fire - Cabinet		POOR		2nd Level	Hallway	Building H	Positive	< LOD	5.85	mg / cm ^2
2296	5/10/2017 15:04	PAINT	1.02	Door Frame	H220	POOR	Brown	2nd Level	Hallway	Building H	Negative	< LOD	0.28	mg / cm ^2
2297	5/10/2017 15:05	PAINT	1.02	Door Frame	H220	POOR	Brown	2nd Level	Hallway	Building H	Negative	< LOD	0.26	mg / cm ^2
2298	5/10/2017 15:05	PAINT	1.02	Door Frame	H220	POOR	Brown	2nd Level	Hallway	Building H	Negative	< LOD	0.15	mg / cm ^2
2299	5/10/2017 15:05	PAINT	1.02	Door Frame	H214	POOR	Brown	2nd Level	Hallway	Building H	Negative	< LOD	0.42	mg / cm ^2
2300	5/10/2017 15:05	PAINT	1.02	Door Frame	H214	POOR	Brown	2nd Level	Hallway	Building H	Negative	< LOD	0.08	mg / cm ^2
2301	5/10/2017 15:05	PAINT	1.02	Door Frame	H214	POOR	Brown	2nd Level	Hallway	Building H	Negative	< LOD	0.19	mg / cm ^2
2302	5/10/2017 15:06	PAINT	1.02	Door Frame		POOR	Green	2nd Level	Hallway	Building H	Negative	< LOD	0.15	mg / cm ^2
2303	5/10/2017 15:06	PAINT	1.02	Door Frame		POOR	Beige	2nd Level	Hallway	Building H	Negative	< LOD	0.03	mg / cm ^2
2304	5/10/2017 15:06	PAINT	0.68	Ceiling	H225	POOR	White	2nd Level	Hallway	Building H	Null	< LOD	1.3	mg / cm ^2
2305	5/10/2017 15:07	PAINT	2.22	Ceiling	H223	POOR	White	2nd Level	Hallway	Building H	Null	< LOD	0.04	mg / cm ^2
2306	5/10/2017 15:08	PAINT	3.25	Ceiling	H217	POOR	White	2nd Level	Hallway	Building H	Null	< LOD	0.21	mg / cm ^2
2307	5/10/2017 15:08	PAINT	0.68	Ceiling	H214	POOR	White	2nd Level	Hallway	Building H	Null	< LOD	0.58	mg / cm ^2
2308	5/10/2017 15:09	PAINT	3.22	Wall	A	POOR	Green	2nd&3rd	Stairwell	Building H	Null	< LOD	0.25	mg / cm ^2
2309	5/10/2017 15:09	PAINT	3.75	Wall	A	POOR	Green	2nd&3rd	Stairwell	Building H	Null	< LOD	0.13	mg / cm ^2
2310	5/10/2017 15:10	PAINT	3.22	Wall	B	POOR	Green	2nd&3rd	Stairwell	Building H	Negative	< LOD	0.18	mg / cm ^2
2311	5/10/2017 15:10	PAINT	3.76	Wall	C	POOR	Green	2nd&3rd	Stairwell	Building H	Null	< LOD	0.12	mg / cm ^2
2312	5/10/2017 15:11	PAINT	2.74	Wall	D	POOR	Green	2nd&3rd	Stairwell	Building H	Negative	< LOD	0.03	mg / cm ^2
2313	5/10/2017 15:11	PAINT	1.36	Wall	D	POOR	Drk. Green	2nd&3rd	Stairwell	Building H	Null	< LOD	0.03	mg / cm ^2
2314	5/10/2017 15:12	PAINT	1.54	Baseboard		POOR	Gray	2nd&3rd	Stairwell	Building H	Null	1.6	0.8	mg / cm ^2
2315	5/10/2017 15:12	PAINT	1.02	Window		POOR	Green	2nd&3rd	Stairwell	Building H	Positive	< LOD	10.05	mg / cm ^2
2316	5/10/2017 15:12	PAINT	1.02	Window		POOR	Green	2nd&3rd	Stairwell	Building H	Positive	7.7	4.5	mg / cm ^2
2317	5/10/2017 15:12	PAINT	0.34	Window		POOR	Green	2nd&3rd	Stairwell	Building H	Null	< LOD	12.6	mg / cm ^2
2318	5/10/2017 15:13	PAINT	0.68	Window		POOR	Green	2nd&3rd	Stairwell	Building H	Positive	< LOD	15.3	mg / cm ^2
2319	5/10/2017 15:13	PAINT	1.02	Door Frame		POOR	Green	2nd&3rd	Stairwell	Building H	Negative	< LOD	0.04	mg / cm ^2
2320	5/10/2017 15:13	PAINT	1.02	Door		POOR	Green	2nd&3rd	Stairwell	Building H	Negative	< LOD	0.42	mg / cm ^2
2321	5/10/2017 15:14	PAINT	1.03	Door Frame		POOR	Brown	2nd&3rd	Stairwell	Building H	Negative	< LOD	0.04	mg / cm ^2
2322	5/10/2017 15:14	PAINT	1.02	Door		POOR	Brown	2nd&3rd	Stairwell	Building H	Negative	< LOD	0.8	mg / cm ^2
2323	5/10/2017 15:16	PAINT	3.4	Wall		POOR	White	3rd Floor	Roof Access	Building H	Negative	< LOD	0.03	mg / cm ^2
2324	5/10/2017 15:16	PAINT	3.24	Wall		POOR	White	3rd Floor	Roof Access	Building H	Negative	< LOD	0.1	mg / cm ^2
2325	5/10/2017 15:16	PAINT	2.9	Wall		POOR	White	3rd Floor	Roof Access	Building H	Null	< LOD	0.03	mg / cm ^2
2326	5/10/2017 15:17	PAINT	0.51	Door Frame		POOR	Green	3rd Floor	Roof Access	Building H	Positive	4.9	3.2	mg / cm ^2
2327	5/10/2017 15:17	PAINT	0.85	Door Frame		POOR	Brown	3rd Floor	Roof Access	Building H	Positive	< LOD	12.15	mg / cm ^2
2328	5/10/2017 15:18	PAINT	0.34	Ladder		POOR	Black	3rd Floor	Roof Access	Building H	Positive	3.6	2.3	mg / cm ^2
2329	5/10/2017 15:19	PAINT	2.55	Wall	A	POOR	Beige	3rd Floor	H344	Building H	Negative	< LOD	0.06	mg / cm ^2
2330	5/10/2017 15:19	PAINT	3.06	Wall	B	POOR	Beige	3rd Floor	H344	Building H	Negative	< LOD	0.06	mg / cm ^2
2331	5/10/2017 15:19	PAINT	3.23	Wall	C	POOR	Beige	3rd Floor	H344	Building H	Negative	< LOD	1.48	mg / cm ^2
2332	5/10/2017 15:20	PAINT	3.23	Wall	D	POOR	Beige	3rd Floor	H344	Building H	Negative	< LOD	0.18	mg / cm ^2
2333	5/10/2017 15:20	PAINT	2.56	Window		POOR	Brown	3rd Floor	H344	Building H	Positive	2.9	1.8	mg / cm ^2
2334	5/10/2017 15:21	PAINT	4.58	Window		POOR	Brown	3rd Floor	H344	Building H	Positive	1.7	0.7	mg / cm ^2
2335	5/10/2017 15:21	PAINT	1.18	Window		POOR	Brown	3rd Floor	H344	Building H	Positive	< LOD	5.55	mg / cm ^2
2336	5/10/2017 15:21	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H344A	Building H	Negative	< LOD	0.15	mg / cm ^2
2337	5/10/2017 15:21	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H344A	Building H	Negative	< LOD	0.87	mg / cm ^2
2338	5/10/2017 15:21	PAINT	3.23	Wall	C	POOR	Beige	3rd Floor	H344A	Building H	Negative	< LOD	0.04	mg / cm ^2
2339	5/10/2017 15:22	PAINT	0.17	Wall	C	POOR	Green	3rd Floor	H344A	Building H	Null	< LOD	0.03	mg / cm ^2
2340	5/10/2017 15:22	PAINT	4.08	Wall	A	POOR	Beige	3rd Floor	H345	Building H	Null	0.7	0.3	mg / cm ^2
2341	5/10/2017 15:23	PAINT	3.22	Wall	B	POOR	Beige	3rd Floor	H345	Building H	Negative	< LOD	0.09	mg / cm ^2
2342	5/10/2017 15:23	PAINT	1.87	Wall	C	POOR	Beige	3rd Floor	H345	Building H	Null	< LOD	1.5	mg / cm ^2
2343	5/10/2017 15:23	PAINT	4.6	Wall	A	POOR	Beige	3rd Floor	H345	Building H	Null	1.2	0.5	mg / cm ^2
2344	5/10/2017 15:24	PAINT	10.03	Wall	D	POOR	Beige	3rd Floor	H345	Building H	Positive	1.6	0.6	mg / cm ^2
2345	5/10/2017 15:25	PAINT	1.02	Window		POOR	Brown	3rd Floor	H345	Building H	Positive	< LOD	3.15	mg / cm ^2
2346	5/10/2017 15:25	PAINT	1.19	Window		POOR	Brown	3rd Floor	H345	Building H	Positive	< LOD	5.7	mg / cm ^2
2347	5/10/2017 15:25	PAINT	1.19	Window		POOR	Brown	3rd Floor	H345	Building H	Positive	< LOD	5.1	mg / cm ^2
2348	5/10/2017 15:25	PAINT	0.85	Window		POOR	Brown	3rd Floor	H345	Building H	Positive	< LOD	11.7	mg / cm ^2
2349	5/10/2017 15:26	PAINT	2.56	Wall	A	POOR	Beige	3rd Floor	H346	Building H	Null	< LOD	0.03	mg / cm ^2
2350	5/10/2017 15:26	PAINT	2.73	Wall	B	POOR	Beige	3rd Floor	H346	Building H	Negative	< LOD	0.03	mg / cm ^2
2351	5/10/2017 15:26	PAINT	2.38	Wall	C	POOR	Beige	3rd Floor	H346	Building H	Null	< LOD	0.09	mg / cm ^2

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2352	5/10/2017 15:27	PAINT	4.07	Wall	D	POOR	Beige	3rd Floor	H346	Building H	Null	< LOD	0.46	mg / cm ^2
2353	5/10/2017 15:27	PAINT	1.02	Pipe		POOR	Black	3rd Floor	H346	Building H	Negative	< LOD	0.06	mg / cm ^2
2354	5/10/2017 15:27	PAINT	2.04	Wall	A	POOR	Beige	3rd Floor	H347	Building H	Negative	< LOD	0.03	mg / cm ^2
2355	5/10/2017 15:28	PAINT	2.73	Wall	B	POOR	Beige	3rd Floor	H347	Building H	Negative	< LOD	0.27	mg / cm ^2
2356	5/10/2017 15:28	PAINT	3.56	Wall	C	POOR	Beige	3rd Floor	H347	Building H	Null	< LOD	0.04	mg / cm ^2
2357	5/10/2017 15:28	PAINT	3.26	Wall	D	POOR	Beige	3rd Floor	H347	Building H	Negative	< LOD	0.03	mg / cm ^2
2358	5/10/2017 15:29	PAINT	3.24	Wall	D	POOR	Beige	3rd Floor	H347	Building H	Negative	< LOD	0.24	mg / cm ^2
2359	5/10/2017 15:29	PAINT	0.85	Door		POOR	Brown	3rd Floor	H347	Building H	Null	< LOD	0.27	mg / cm ^2
2360	5/10/2017 15:29	PAINT	1.19	Door Frame		POOR	Brown	3rd Floor	H347	Building H	Positive	< LOD	6.3	mg / cm ^2
2361	5/10/2017 15:29	PAINT	1.02	Door		POOR	Brown	3rd Floor	H347	Building H	Positive	< LOD	10.65	mg / cm ^2
2362	5/10/2017 15:30	PAINT	1.02	Door		POOR	Brown	3rd Floor	H347	Building H	Negative	< LOD	0.04	mg / cm ^2
2363	5/10/2017 15:30	PAINT	1.19	Door		POOR	Brown	3rd Floor	H347	Building H	Positive	6.8	4.3	mg / cm ^2
2364	5/10/2017 15:31	PAINT	2.21	Wall	A	POOR	Beige	3rd Floor	H348	Building H	Null	< LOD	0.27	mg / cm ^2
2365	5/10/2017 15:31	PAINT	3.23	Wall	B	POOR	Beige	3rd Floor	H348	Building H	Null	0.14	0.09	mg / cm ^2
2366	5/10/2017 15:32	PAINT	2.91	Wall	C	POOR	Beige	3rd Floor	H348	Building H	Null	< LOD	0.03	mg / cm ^2
2367	5/10/2017 15:32	PAINT	6.14	Wall	D	POOR	Beige	3rd Floor	H348	Building H	Null	0.14	0.07	mg / cm ^2
2368	5/10/2017 15:32	PAINT	3.24	Baseboard		POOR	Gray	3rd Floor	H348	Building H	Negative	0.07	0.04	mg / cm ^2
2369	5/10/2017 15:33	PAINT	3.07	Wall	A	POOR	Beige	3rd Floor	H349	Building H	Null	< LOD	0.15	mg / cm ^2
2370	5/10/2017 15:33	PAINT	0.68	Wall	B	POOR	Beige	3rd Floor	H349	Building H	Null	< LOD	0.13	mg / cm ^2
2371	5/10/2017 15:34	PAINT	3.41	Wall	C	POOR	Beige	3rd Floor	H349	Building H	Null	< LOD	0.25	mg / cm ^2
2372	5/10/2017 15:34	PAINT	0.51	Cabinet		POOR	White	3rd Floor	H349	Building H	Null	< LOD	0.08	mg / cm ^2
2373	5/10/2017 15:34	PAINT	5.12	Wall	A	POOR	Beige	3rd Floor	H350	Building H	Negative	< LOD	1.03	mg / cm ^2
2374	5/10/2017 15:35	PAINT	3.23	Wall	B	POOR	Beige	3rd Floor	H350	Building H	Negative	< LOD	0.06	mg / cm ^2
2375	5/10/2017 15:35	PAINT	2.55	Wall	C	POOR	Beige	3rd Floor	H350	Building H	Null	< LOD	0.52	mg / cm ^2
2376	5/10/2017 15:35	PAINT	0.17	Wall	D	POOR	Beige	3rd Floor	H350	Building H	Null	< LOD	0.11	mg / cm ^2
2377	5/10/2017 15:36	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H350A	Building H	Negative	< LOD	0.38	mg / cm ^2
2378	5/10/2017 15:36	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H350A	Building H	Negative	< LOD	0.18	mg / cm ^2
2379	5/10/2017 15:36	PAINT	2.38	Wall	C	POOR	Beige	3rd Floor	H350A	Building H	Null	< LOD	0.03	mg / cm ^2
2380	5/10/2017 15:38	PAINT	2.73	Calibration		POOR					Positive	1.3	0.3	mg / cm ^2
2381	5/10/2017 15:40	PAINT	19.96	Calibration		POOR					Positive	1	0.1	mg / cm ^2
2382	5/10/2017 15:40	PAINT	5.46	Calibration		POOR					Negative	0.9	0.1	mg / cm ^2
2383	5/10/2017 15:45	SHUTTER CAL	154.75	Calibration		POOR						2.33	0	cps
2384	5/10/2017 15:47	PAINT	17.75	Calibration		POOR					Positive	1	0.1	mg / cm ^2
2385	5/10/2017 15:50	PAINT	1.71	Wall	A	POOR	Beige	3rd Floor	H351	Building H	Negative	< LOD	0.03	mg / cm ^2
2386	5/10/2017 15:50	PAINT	3.24	Wall	B	POOR	Beige	3rd Floor	H351	Building H	Negative	< LOD	0.03	mg / cm ^2
2387	5/10/2017 15:50	PAINT	2.38	Wall	C	POOR	Beige	3rd Floor	H351	Building H	Null	< LOD	0.05	mg / cm ^2
2388	5/10/2017 15:51	PAINT	3.07	Wall	D	POOR	Beige	3rd Floor	H351	Building H	Negative	< LOD	0.03	mg / cm ^2
2389	5/10/2017 15:51	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H351A	Building H	Negative	< LOD	0.29	mg / cm ^2
2390	5/10/2017 15:51	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H351A	Building H	Negative	< LOD	0.75	mg / cm ^2
2391	5/10/2017 15:51	PAINT	3.23	Wall	A	POOR	Beige	3rd Floor	H351A	Building H	Negative	< LOD	0.06	mg / cm ^2
2392	5/10/2017 15:52	PAINT	2.38	Wall	A	POOR	Beige	3rd Floor	H352	Building H	Negative	< LOD	0.12	mg / cm ^2
2393	5/10/2017 15:52	PAINT	3.23	Wall	B	POOR	Beige	3rd Floor	H352	Building H	Negative	< LOD	0.03	mg / cm ^2
2394	5/10/2017 15:53	PAINT	2.75	Wall	C	POOR	Beige	3rd Floor	H352	Building H	Negative	< LOD	0.03	mg / cm ^2
2395	5/10/2017 15:53	PAINT	3.26	Wall	D	POOR	Beige	3rd Floor	H352	Building H	Negative	< LOD	0.03	mg / cm ^2
2396	5/10/2017 15:53	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H352A/B	Building H	Positive	7.4	4.7	mg / cm ^2
2397	5/10/2017 15:53	PAINT	1.36	Door Frame		POOR	Brown	3rd Floor	H352A/B	Building H	Positive	1.6	0.6	mg / cm ^2
2398	5/10/2017 15:53	PAINT	0.51	Wall	A	POOR	Beige	3rd Floor	H352A/B	Building H	Positive	< LOD	4.05	mg / cm ^2
2399	5/10/2017 15:54	PAINT	0.68	Window		POOR	Brown	3rd Floor	H352	Building H	Positive	< LOD	18.75	mg / cm ^2
2400	5/10/2017 15:54	PAINT	2.05	Window		POOR	Brown	3rd Floor	H352	Building H	Negative	< LOD	0.03	mg / cm ^2
2401	5/10/2017 15:54	PAINT	1.53	Window		POOR	Brown	3rd Floor	H352	Building H	Negative	< LOD	0.57	mg / cm ^2
2402	5/10/2017 15:54	PAINT	0.34	Window		POOR	Brown	3rd Floor	H352	Building H	Null	< LOD	0.37	mg / cm ^2
2403	5/10/2017 15:55	PAINT	3.07	Wall		POOR	Beige	3rd Floor	H352	Building H	Negative	< LOD	0.03	mg / cm ^2
2404	5/10/2017 15:55	PAINT	0.34	Wall	A	POOR	Beige	3rd Floor	H353	Building H	Null	< LOD	0.08	mg / cm ^2
2405	5/10/2017 15:55	PAINT	2.21	Wall	B	POOR	Beige	3rd Floor	H353	Building H	Negative	< LOD	0.03	mg / cm ^2
2406	5/10/2017 15:56	PAINT	3.25	Wall	C	POOR	Beige	3rd Floor	H353	Building H	Null	< LOD	0.07	mg / cm ^2
2407	5/10/2017 15:56	PAINT	5.46	Wall	D	POOR	Beige	3rd Floor	H353	Building H	Negative	< LOD	1.08	mg / cm ^2
2408	5/10/2017 15:57	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H353A	Building H	Negative	< LOD	0.69	mg / cm ^2
2409	5/10/2017 15:57	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H353A	Building H	Negative	< LOD	0.54	mg / cm ^2
2410	5/10/2017 15:57	PAINT	1.71	Wall	A	POOR	Beige	3rd Floor	H353A	Building H	Null	< LOD	0.12	mg / cm ^2
2411	5/10/2017 15:57	PAINT	1.53	Wall	A	POOR	Beige	3rd Floor	H354	Building H	Negative	< LOD	0.08	mg / cm ^2
2412	5/10/2017 15:58	PAINT	3.06	Wall	B	POOR	Beige	3rd Floor	H354	Building H	Null	< LOD	0.09	mg / cm ^2
2413	5/10/2017 15:58	PAINT	0.86	Wall	C	POOR	Beige	3rd Floor	H354	Building H	Null	< LOD	0.03	mg / cm ^2

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2414	5/10/2017 15:58	PAINT	3.26	Wall	D	POOR	Beige	3rd Floor	H354	Building H	Negative	< LOD	0.03	mg / cm ^2
2415	5/10/2017 15:58	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H354A	Building H	Negative	< LOD	0.4	mg / cm ^2
2416	5/10/2017 15:58	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H354A	Building H	Negative	< LOD	0.19	mg / cm ^2
2417	5/10/2017 15:59	PAINT	0.85	Wall	B	POOR	Beige	3rd Floor	H354A	Building H	Null	< LOD	0.35	mg / cm ^2
2418	5/10/2017 15:59	PAINT	0.85	Wall	A	POOR	Beige	3rd Floor	H355	Building H	Null	< LOD	0.42	mg / cm ^2
2419	5/10/2017 15:59	PAINT	1.88	Wall	B	POOR	Beige	3rd Floor	H355	Building H	Negative	< LOD	0.1	mg / cm ^2
2420	5/10/2017 16:00	PAINT	5.3	Wall	C	POOR	Beige	3rd Floor	H355	Building H	Null	< LOD	0.23	mg / cm ^2
2421	5/10/2017 16:00	PAINT	1.71	Wall	D	POOR	Beige	3rd Floor	H355	Building H	Null	< LOD	0.45	mg / cm ^2
2422	5/10/2017 16:01	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H355A	Building H	Negative	< LOD	0.2	mg / cm ^2
2423	5/10/2017 16:01	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H355A	Building H	Negative	< LOD	0.21	mg / cm ^2
2424	5/10/2017 16:01	PAINT	1.2	Wall	A	POOR	Beige	3rd Floor	H355A	Building H	Null	< LOD	0.04	mg / cm ^2
2425	5/10/2017 16:02	PAINT	3.23	Wall	A	POOR	Beige	3rd Floor	H356	Building H	Null	< LOD	0.37	mg / cm ^2
2426	5/10/2017 16:02	PAINT	3.23	Wall	B	POOR	Beige	3rd Floor	H356	Building H	Negative	< LOD	0.03	mg / cm ^2
2427	5/10/2017 16:02	PAINT	3.24	Wall	C	POOR	Beige	3rd Floor	H356	Building H	Negative	< LOD	1.45	mg / cm ^2
2428	5/10/2017 16:03	PAINT	1.72	Wall	D	POOR	Beige	3rd Floor	H356	Building H	Negative	< LOD	0.03	mg / cm ^2
2429	5/10/2017 16:03	PAINT	1.19	Door Frame		POOR	Brown	3rd Floor	H356A	Building H	Negative	< LOD	0.69	mg / cm ^2
2430	5/10/2017 16:03	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H356A	Building H	Negative	< LOD	0.17	mg / cm ^2
2431	5/10/2017 16:03	PAINT	3.07	Wall	B	POOR	Beige	3rd Floor	H356A	Building H	Negative	< LOD	1.49	mg / cm ^2
2432	5/10/2017 16:04	PAINT	3.41	Wall	A	POOR	Beige	3rd Floor	H357	Building H	Null	< LOD	0.42	mg / cm ^2
2433	5/10/2017 16:04	PAINT	1.7	Wall	B	POOR	Beige	3rd Floor	H357	Building H	Negative	< LOD	0.1	mg / cm ^2
2434	5/10/2017 16:04	PAINT	2.73	Wall	C	POOR	Beige	3rd Floor	H357	Building H	Negative	< LOD	0.03	mg / cm ^2
2435	5/10/2017 16:04	PAINT	2.23	Wall	D	POOR	Beige	3rd Floor	H357	Building H	Negative	< LOD	0.03	mg / cm ^2
2436	5/10/2017 16:05	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H357A	Building H	Negative	< LOD	0.16	mg / cm ^2
2437	5/10/2017 16:05	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H357A	Building H	Negative	< LOD	0.07	mg / cm ^2
2438	5/10/2017 16:05	PAINT	0.17	Wall	D	POOR	Beige	3rd Floor	H357A	Building H	Null	< LOD	0.39	mg / cm ^2
2439	5/10/2017 16:05	PAINT	2.39			POOR		3rd Floor		Building H	Negative	< LOD	0.03	mg / cm ^2
2440	5/10/2017 16:06	PAINT	1.36	Wall	A	POOR	Beige	3rd Floor	H358	Building H	Null	< LOD	0.19	mg / cm ^2
2441	5/10/2017 16:06	PAINT	2.55	Wall	B	POOR	Beige	3rd Floor	H358	Building H	Null	< LOD	0.03	mg / cm ^2
2442	5/10/2017 16:07	PAINT	12.13	Wall	C	POOR	Beige	3rd Floor	H358	Building H	Null	0.15	0.08	mg / cm ^2
2443	5/10/2017 16:08	PAINT	13.51	Wall	D	POOR	Beige	3rd Floor	H358	Building H	Negative	< LOD	0.75	mg / cm ^2
2444	5/10/2017 16:08	PAINT	1.71	Window	D	POOR	Brown	3rd Floor	H358	Building H	Negative	< LOD	0.73	mg / cm ^2
2445	5/10/2017 16:09	PAINT	1.19	Window	D	POOR	Brown	3rd Floor	H358	Building H	Positive	< LOD	5.4	mg / cm ^2
2446	5/10/2017 16:09	PAINT	0.86	Window	D	POOR	Brown	3rd Floor	H358	Building H	Positive	< LOD	12.15	mg / cm ^2
2447	5/10/2017 16:09	PAINT	1.02	Window	D	POOR	Brown	3rd Floor	H358	Building H	Negative	< LOD	0.29	mg / cm ^2
2448	5/10/2017 16:09	PAINT	1.02	Window	D	POOR	Brown	3rd Floor	H358	Building H	Negative	< LOD	0.29	mg / cm ^2
2449	5/10/2017 16:10	PAINT	1.03	Window	A	POOR	Brown	3rd Floor	H358	Building H	Negative	< LOD	0.12	mg / cm ^2
2450	5/10/2017 16:10	PAINT	1.02	Window	A	POOR	Brown	3rd Floor	H358	Building H	Negative	< LOD	0.19	mg / cm ^2
2451	5/10/2017 16:10	PAINT	1.02	Window	A	POOR	Brown	3rd Floor	H358	Building H	Negative	< LOD	0.44	mg / cm ^2
2452	5/10/2017 16:10	PAINT	1.02	Window	A	POOR	Brown	3rd Floor	H358	Building H	Negative	< LOD	0.09	mg / cm ^2
2453	5/10/2017 16:10	PAINT	1.02	Window	B	POOR	Brown	3rd Floor	H358	Building H	Negative	< LOD	0.17	mg / cm ^2
2454	5/10/2017 16:10	PAINT	1.02	Window	B	POOR	Brown	3rd Floor	H358	Building H	Negative	< LOD	0.53	mg / cm ^2
2455	5/10/2017 16:11	PAINT	2.38	Wall	A	POOR	Beige	3rd Floor	H359	Building H	Negative	< LOD	0.07	mg / cm ^2
2456	5/10/2017 16:11	PAINT	2.55	Wall	B	POOR	Beige	3rd Floor	H359	Building H	Null	< LOD	0.12	mg / cm ^2
2457	5/10/2017 16:11	PAINT	1.53	Wall	C	POOR	Beige	3rd Floor	H359	Building H	Negative	< LOD	0.19	mg / cm ^2
2458	5/10/2017 16:12	PAINT	3.59	Wall	D	POOR	Beige	3rd Floor	H359	Building H	Null	< LOD	0.08	mg / cm ^2
2459	5/10/2017 16:12	PAINT	1.02	Window	D	POOR	Brown	3rd Floor	H359	Building H	Negative	< LOD	0.36	mg / cm ^2
2460	5/10/2017 16:12	PAINT	1.2	Window	D	POOR	Brown	3rd Floor	H359	Building H	Positive	3.3	2.2	mg / cm ^2
2461	5/10/2017 16:12	PAINT	1.19	Window	D	POOR	Brown	3rd Floor	H359	Building H	Positive	< LOD	5.85	mg / cm ^2
2462	5/10/2017 16:13	PAINT	1.02	Window	D	POOR	Brown	3rd Floor	H359	Building H	Negative	< LOD	0.04	mg / cm ^2
2463	5/10/2017 16:13	PAINT	3.23	Wall	B	POOR	Green	3rd Floor	H359	Building H	Negative	< LOD	0.06	mg / cm ^2
2464	5/10/2017 16:14	PAINT	3.22	Ceiling		POOR	Green	3rd Floor	H359	Building H	Null	< LOD	0.07	mg / cm ^2
2465	5/10/2017 16:14	PAINT	1.02	Window	A	POOR	Brown	3rd Floor	H359	Building H	Negative	< LOD	0.12	mg / cm ^2
2466	5/10/2017 16:14	PAINT	1.02	Window	A	POOR	Brown	3rd Floor	H359	Building H	Negative	< LOD	0.22	mg / cm ^2
2467	5/10/2017 16:14	PAINT	0.17	Window	A	POOR	Brown	3rd Floor	H359	Building H	Null	< LOD	0.72	mg / cm ^2
2468	5/10/2017 16:15	PAINT	1.02	Window	A	POOR	Brown	3rd Floor	H359	Building H	Negative	< LOD	0.12	mg / cm ^2
2469	5/10/2017 16:15	PAINT	1.02	Window	A	POOR	Brown	3rd Floor	H359	Building H	Negative	< LOD	0.05	mg / cm ^2
2470	5/10/2017 16:15	PAINT	2.2	Wall	A	POOR	Beige	3rd Floor	H359C	Building H	Negative	< LOD	0.12	mg / cm ^2
2471	5/10/2017 16:15	PAINT	2.54	Wall	B	POOR	Beige	3rd Floor	H359C	Building H	Negative	< LOD	0.06	mg / cm ^2
2472	5/10/2017 16:16	PAINT	2.04	Wall	C	POOR	Beige	3rd Floor	H359C	Building H	Negative	< LOD	0.04	mg / cm ^2
2473	5/10/2017 16:16	PAINT	3.93	Wall	D	POOR	Beige	3rd Floor	H359C	Building H	Null	< LOD	0.17	mg / cm ^2
2474	5/10/2017 16:16	PAINT	1.02	Window		POOR	Brown	3rd Floor	H359C	Building H	Negative	< LOD	0.24	mg / cm ^2
2475	5/10/2017 16:16	PAINT	1.02	Window		POOR	Brown	3rd Floor	H359C	Building H	Negative	< LOD	0.16	mg / cm ^2

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XRF Results for Building H

2476	5/10/2017 16:16	PAINT	1.02	Pipe		POOR	White	3rd Floor	H359C	Building H	Negative	< LOD	0.07	mg / cm ^2
2477	5/10/2017 16:17	PAINT	4.07	Ceiling		POOR	White	3rd Floor	H359C	Building H	Negative	< LOD	1.33	mg / cm ^2
2478	5/10/2017 16:17	PAINT	2.55	Ceiling		POOR	Beige	3rd Floor	H359C	Building H	Null	0.26	0.16	mg / cm ^2
2479	5/10/2017 16:18	PAINT	2.38	Wall	A	POOR	Beige	3rd Floor	H359B	Building H	Negative	< LOD	0.05	mg / cm ^2
2480	5/10/2017 16:18	PAINT	2.37	Wall	B	POOR	Beige	3rd Floor	H359B	Building H	Negative	< LOD	0.06	mg / cm ^2
2481	5/10/2017 16:18	PAINT	2.72	Wall	C	POOR	Beige	3rd Floor	H359B	Building H	Negative	< LOD	0.03	mg / cm ^2
2482	5/10/2017 16:18	PAINT	1.19	Wall	D	POOR	Beige	3rd Floor	H359B	Building H	Negative	< LOD	0.08	mg / cm ^2
2483	5/10/2017 16:19	PAINT	3.06	Wall	A	POOR	White	3rd Floor	H359B	Building H	Negative	< LOD	0.03	mg / cm ^2
2484	5/10/2017 16:19	PAINT	0.34	Wall	B	POOR	White	3rd Floor	H359B	Building H	Null	< LOD	0.08	mg / cm ^2
2485	5/10/2017 16:19	PAINT	3.23	Wall	C	POOR	White	3rd Floor	H359B	Building H	Negative	< LOD	0.03	mg / cm ^2
2486	5/10/2017 16:20	PAINT	3.23	Wall	D	POOR	White	3rd Floor	H359B	Building H	Negative	< LOD	0.03	mg / cm ^2
2487	5/10/2017 16:20	PAINT	0.17	Cabinet	A	POOR	White	3rd Floor	H359B	Building H	Null	< LOD	0.11	mg / cm ^2
2488	5/10/2017 16:20	PAINT	1.02	Cabinet	A	POOR	White	3rd Floor	H359B	Building H	Negative	< LOD	0.13	mg / cm ^2
2489	5/10/2017 16:20	PAINT	1.02	Cabinet	A	POOR	White	3rd Floor	H359B	Building H	Negative	< LOD	0.08	mg / cm ^2
2490	5/10/2017 16:20	PAINT	1.02	Cabinet	B	POOR	White	3rd Floor	H359B	Building H	Negative	< LOD	0.14	mg / cm ^2
2491	5/10/2017 16:21	PAINT	1.01	Cabinet	C	POOR	White	3rd Floor	H359B	Building H	Negative	< LOD	0.81	mg / cm ^2
2492	5/10/2017 16:21	PAINT	1.02	Cabinet	C	POOR	White	3rd Floor	H359B	Building H	Negative	< LOD	0.36	mg / cm ^2
2493	5/10/2017 16:21	PAINT	0.34	Door Frame		POOR	Brown	3rd Floor	H359A	Building H	Null	< LOD	0.68	mg / cm ^2
2494	5/10/2017 16:21	PAINT	1.02	Door Frame		POOR	Brown	3rd Floor	H359A	Building H	Negative	< LOD	0.31	mg / cm ^2
2495	5/10/2017 16:22	PAINT	4.93	Wall	B	POOR	Beige	3rd Floor	H359A	Building H	Negative	< LOD	0.03	mg / cm ^2
2496	5/10/2017 16:22	PAINT	1.36	Wall	A	POOR	Beige	3rd Floor	Hallway	Building H	Negative	< LOD	0.03	mg / cm ^2
2497	5/10/2017 16:23	PAINT	3.25	Wall	B	POOR	Beige	3rd Floor	Hallway	Building H	Negative	< LOD	1.44	mg / cm ^2
2498	5/10/2017 16:23	PAINT	1.02	Wall	C	POOR	Beige	3rd Floor	Hallway	Building H	Null	< LOD	1.27	mg / cm ^2
2499	5/10/2017 16:23	PAINT	3.08	Wall	D	POOR	Beige	3rd Floor	Hallway	Building H	Negative	< LOD	1.43	mg / cm ^2
2500	5/10/2017 16:24	PAINT	1.02	Wall	C	POOR	Brown	3rd Floor	Hallway	Building H	Negative	< LOD	0.72	mg / cm ^2
2501	5/10/2017 16:24	PAINT	1.03	Door Frame	H352	POOR	Lt. Brown	3rd Floor	Hallway	Building H	Negative	< LOD	0.4	mg / cm ^2
2502	5/10/2017 16:24	PAINT	0.85	Door Frame	H352	POOR	Drk. Brown	3rd Floor	Hallway	Building H	Positive	< LOD	12.9	mg / cm ^2
2503	5/10/2017 16:25	PAINT	1.02	Door Frame	H352	POOR	Beige	3rd Floor	Hallway	Building H	Negative	< LOD	0.41	mg / cm ^2
2504	5/10/2017 16:25	PAINT	1.19	Door Frame	H347	POOR	Lt. Brown	3rd Floor	Hallway	Building H	Negative	0.6	0.3	mg / cm ^2
2505	5/10/2017 16:25	PAINT	0.85	Door Frame	H347	POOR	Drk. Brown	3rd Floor	Hallway	Building H	Positive	< LOD	13.2	mg / cm ^2
2506	5/10/2017 16:26	PAINT	1.03	Door Frame	H346	POOR	Lt. Brown	3rd Floor	Hallway	Building H	Negative	< LOD	0.45	mg / cm ^2
2507	5/10/2017 16:27	PAINT	1.02	Door Frame	H346	POOR	Drk. Brown	3rd Floor	Hallway	Building H	Positive	< LOD	9.9	mg / cm ^2
2508	5/10/2017 16:27	PAINT	1.03	Door Frame	H346	POOR	Beige	3rd Floor	Hallway	Building H	Negative	< LOD	0.21	mg / cm ^2
2509	5/10/2017 16:27	PAINT	1.02	Door Frame	Stairwell	POOR	Brown	3rd Floor	Hallway	Building H	Negative	< LOD	0.03	mg / cm ^2
2510	5/10/2017 16:28	PAINT	2.57	Baseboard	D	POOR	Gray	3rd Floor	Hallway	Building H	Negative	< LOD	0.03	mg / cm ^2
2511	5/10/2017 16:29	PAINT	1.02	Ceiling	Hallway	POOR	Beige	3rd Floor	Hallway	Building H	Negative	< LOD	0.13	mg / cm ^2
2512	5/10/2017 16:29	PAINT	1.02	Ceiling	Hallway	POOR	Tan	3rd Floor	Hallway	Building H	Negative	< LOD	0.34	mg / cm ^2
2513	5/10/2017 16:30	PAINT	1.53	Ceiling	H345	POOR	White	3rd Floor	Hallway	Building H	Null	< LOD	0.77	mg / cm ^2
2514	5/10/2017 16:30	PAINT	0.34	Ceiling	H353	POOR	White	3rd Floor	Hallway	Building H	Null	< LOD	0.08	mg / cm ^2
2515	5/10/2017 16:36	PAINT	1.69	Calibration		POOR					Negative	0.9	0.3	mg / cm ^2
2516	5/10/2017 16:36	PAINT	0.51	Calibration		POOR					Positive	1		mg / cm ^2
2517	5/10/2017 16:36	PAINT	1.52	Calibration		POOR					Positive	1.2	0.4	mg / cm ^2
2518	5/12/2017 12:41	SHUTTER CAL				POOR						2.16	0	cps
2519	5/12/2017 12:42	PAINT		CALIBRATION		POOR					Negative	0.9	0.1	mg / cm ^2
2520	5/12/2017 12:43	PAINT		CALIBRATION		POOR					Positive	1	0.1	mg / cm ^2
2521	5/12/2017 12:43	PAINT		CALIBRATION		POOR					Positive	1.1	0.1	mg / cm ^2
2554	5/12/2017 13:15	PAINT		WALL	A	POOR	GREEN	3	327	Building H	Null	0.07	0.03	mg / cm ^2
2555	5/12/2017 13:15	PAINT		WALL	B	POOR	GREEN	3	327	Building H	Negative	< LOD	0.07	mg / cm ^2
2556	5/12/2017 13:15	PAINT		WALL	C	POOR	GREEN	3	327	Building H	Negative	< LOD	0.04	mg / cm ^2
2557	5/12/2017 13:16	PAINT		WALL	D	POOR	GREEN	3	327	Building H	Null	0.1	0.05	mg / cm ^2
2558	5/12/2017 13:16	PAINT		WINDOW FRAME	D	POOR	GREEN	3	327	Building H	Positive	< LOD	5.25	mg / cm ^2
2559	5/12/2017 13:17	PAINT		WINDOW FRAME TR	D	POOR	BROWN	3	327	Building H	Positive	3.1	1.5	mg / cm ^2
2560	5/12/2017 13:17	PAINT		WINDOW LEDGE	D	POOR	GREEN	3	327	Building H	Negative	< LOD	0.4	mg / cm ^2
2561	5/12/2017 13:17	PAINT		WINDOW	D	POOR	GREEN	3	327	Building H	Null	< LOD	42.45	mg / cm ^2
2562	5/12/2017 13:18	PAINT		BASEBOARD	A	POOR	GREEN	3	327	Building H	Null	< LOD	0.12	mg / cm ^2
2563	5/12/2017 13:19	PAINT		WALL	A	POOR	GREEN	3	328	Building H	Positive	< LOD	5.55	mg / cm ^2
2564	5/12/2017 13:19	PAINT		WALL	B		GREEN	3	328	Building H	Null	< LOD	24.45	mg / cm ^2
2565	5/12/2017 13:19	PAINT		WALL	C	POOR	GREEN	3	328	Building H	Null	< LOD	0.16	mg / cm ^2
2566	5/12/2017 13:20	PAINT		WALL	D	POOR	GREEN	3	328	Building H	Positive	< LOD	5.1	mg / cm ^2
2567	5/12/2017 13:20	PAINT		WINDOW FRAME	D	POOR	GREEN	3	328	Building H	Positive	< LOD	5.85	mg / cm ^2
2568	5/12/2017 13:21	PAINT		WINDOW	D	POOR	GREEN	3	328	Building H	Positive	< LOD	11.55	mg / cm ^2
2569	5/12/2017 13:21	PAINT		WINDOW	D	POOR	GREEN	3	328	Building H	Positive	< LOD	9	mg / cm ^2

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XRF Results for Building H

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
2570	5/12/2017 13:21	PAINT		DOOR	B	POOR	GREEN	3	328	Building H	Negative	< LOD	0.03	mg / cm ^2
2571	5/12/2017 13:22	PAINT		TILE		POOR	GREEN	3	328	Building H	Positive	< LOD	7.35	mg / cm ^2
2572	5/12/2017 13:22	PAINT		PIPE	D	POOR	GREEN	3	328	Building H	Positive	2.9	1.9	mg / cm ^2
2573	5/12/2017 13:23	PAINT		WALL	A	POOR	GREEN	3	329	Building H	Negative	< LOD	0.03	mg / cm ^2
2574	5/12/2017 13:23	PAINT		WALL	B	POOR	GREEN	3	329	Building H	Positive	< LOD	5.4	mg / cm ^2
2575	5/12/2017 13:23	PAINT		WALL	C	POOR	GREEN	3	329	Building H	Null	< LOD	0.04	mg / cm ^2
2576	5/12/2017 13:24	PAINT		WALL	D	POOR	GREEN	3	329	Building H	Negative	< LOD	0.03	mg / cm ^2
2577	5/12/2017 13:24	PAINT		PIPE	D	POOR		3	329	Building H	Positive	< LOD	4.35	mg / cm ^2
2578	5/12/2017 13:24	PAINT		WINDOW FRAME	A	POOR	GREEN	3	329	Building H	Positive	6.5	4	mg / cm ^2
2579	5/12/2017 13:25	PAINT		WINDOW FRAME	A	POOR	BROWN	3	329	Building H	Negative	< LOD	0.32	mg / cm ^2
2580	5/12/2017 13:27	PAINT		WALL	A	POOR	GREEN	3	330	Building H	Null	0.26	0.07	mg / cm ^2
2581	5/12/2017 13:27	PAINT		WALL	B	POOR	GREEN	3	330	Building H	Null	0.23	0.08	mg / cm ^2
2582	5/12/2017 13:28	PAINT		WALL	C	POOR	GREEN	3	330	Building H	Negative	< LOD	0.03	mg / cm ^2
2583	5/12/2017 13:28	PAINT		WALL	D	POOR	GREEN	3	330	Building H	Null	< LOD	0.35	mg / cm ^2
2584	5/12/2017 13:28	PAINT		WALL	A	POOR	DARK GREEN	3	330	Building H	Negative	< LOD	0.58	mg / cm ^2
2585	5/12/2017 13:28	PAINT		WALL	B	POOR	DARK GREEN	3	330	Building H	Null	0.23	0.15	mg / cm ^2
2586	5/12/2017 13:29	PAINT		WALL	A	POOR	BLUE	3	330	Building H	Negative	0.23	0.13	mg / cm ^2
2587	5/12/2017 13:29	PAINT		WALL	B	POOR	BLUE	3	330	Building H	Negative	< LOD	0.3	mg / cm ^2
2588	5/12/2017 13:29	PAINT		PIPE	B	POOR	BLACK	3	330	Building H	Negative	< LOD	0.04	mg / cm ^2
2589	5/12/2017 13:29	PAINT		WINDOW FRAME	A	POOR	GREEN	3	330	Building H	Positive	< LOD	5.1	mg / cm ^2
2590	5/12/2017 13:30	PAINT		WINDOW FRAME	A	POOR	BROWN	3	330	Building H	Negative	< LOD	0.03	mg / cm ^2
2591	5/12/2017 13:31	PAINT		WALL	A	POOR	GREEN	3	332	Building H	Negative	< LOD	0.12	mg / cm ^2
2592	5/12/2017 13:31	PAINT		WALL	D	POOR	GREEN	3	332	Building H	Negative	< LOD	0.03	mg / cm ^2
2593	5/12/2017 13:32	PAINT		WALL	B	POOR	GREEN	3	332	Building H	Negative	< LOD	0.07	mg / cm ^2
2594	5/12/2017 13:32	PAINT		CABINET FRAME	B	POOR		3	332	Building H	Negative	< LOD	0.6	mg / cm ^2
2595	5/12/2017 13:32	PAINT		CABINET FRAME	A	POOR		3	332	Building H	Negative	< LOD	0.23	mg / cm ^2
2596	5/12/2017 13:33	PAINT		WINDOW	A	POOR		3	332	Building H	Negative	< LOD	0.62	mg / cm ^2
2597	5/12/2017 13:33	PAINT		CEILING		POOR	WHITE	3	332	Building H	Null	< LOD	0.05	mg / cm ^2
2598	5/12/2017 13:33	PAINT		WALL	C	POOR	GREEN	3	332	Building H	Null	< LOD	0.12	mg / cm ^2
2599	5/12/2017 13:33	PAINT		DOOR	C	POOR		3	332	Building H	Negative	< LOD	0.2	mg / cm ^2
2600	5/12/2017 13:34	PAINT		DOOR	C	POOR		3	332	Building H	Positive	1.6	0.5	mg / cm ^2
2601	5/12/2017 13:35	PAINT		WINDOW	A	POOR	GREEN	3	333	Building H	Negative	< LOD	0.26	mg / cm ^2
2602	5/12/2017 13:35	PAINT		DOOR	C	POOR		3	333	Building H	Negative	< LOD	0.29	mg / cm ^2
2603	5/12/2017 13:35	PAINT		DOOR	C	POOR		3	333	Building H	Positive	2	1	mg / cm ^2
2604	5/12/2017 13:38	PAINT		CALIBRATION		POOR					Negative	0.9	0.1	mg / cm ^2
2605	5/12/2017 13:39	PAINT		CALIBRATION		POOR					Negative	0.9	0.1	mg / cm ^2
2606	5/12/2017 13:39	PAINT		CALIBRATION		POOR					Positive	1.1	0.1	mg / cm ^2
2607	5/12/2017 13:42	PAINT		WALL	A	POOR	GREEN	3	336	Building H	Null	< LOD	0.07	mg / cm ^2
2608	5/12/2017 13:43	PAINT		WALL	A	POOR	GREEN	3	337	Building H	Negative	< LOD	0.03	mg / cm ^2
2609	5/12/2017 13:43	PAINT		WALL	B	POOR	GREEN	3	337	Building H	Null	< LOD	0.15	mg / cm ^2
2610	5/12/2017 13:44	PAINT		WALL	C	POOR	GREEN	3	337	Building H	Negative	< LOD	0.06	mg / cm ^2
2611	5/12/2017 13:44	PAINT		WALL	D	POOR	GREEN	3	337	Building H	Negative	< LOD	0.03	mg / cm ^2
2612	5/12/2017 13:44	PAINT		WINDOW FRAME	B	POOR	GREEN	3	337	Building H	Positive	< LOD	12.6	mg / cm ^2
2613	5/12/2017 13:44	PAINT		WINDOW TRIM	B	POOR	BROWN	3	337	Building H	Positive	< LOD	8.85	mg / cm ^2
2614	5/12/2017 13:45	PAINT		WINDOWSILL	B	POOR	GREEN	3	337	Building H	Positive	5.2	3.4	mg / cm ^2
2615	5/12/2017 13:45	PAINT		WINDOW	B	POOR	GREEN	3	337	Building H	Positive	< LOD	10.95	mg / cm ^2
2616	5/12/2017 13:45	PAINT		WALL	A	POOR	GREEN	3	338	Building H	Null	< LOD	0.06	mg / cm ^2
2617	5/12/2017 13:46	PAINT		WALL	B	POOR	GREEN	3	338	Building H	Negative	< LOD	0.07	mg / cm ^2
2618	5/12/2017 13:46	PAINT		WALL	C	POOR	GREEN	3	338	Building H	Negative	< LOD	0.05	mg / cm ^2
2619	5/12/2017 13:46	PAINT		WALL	D	POOR	GREEN	3	338	Building H	Negative	< LOD	0.03	mg / cm ^2
2620	5/12/2017 13:47	PAINT		HEATER	B	POOR	GREEN	3	338	Building H	Null	< LOD	9.3	mg / cm ^2
2621	5/12/2017 13:48	PAINT		WALL	A	POOR	GREEN	3	339	Building H	Null	< LOD	0.05	mg / cm ^2
2622	5/12/2017 13:49	PAINT		WALL	B	POOR	GREEN	3	339	Building H	Negative	< LOD	1.03	mg / cm ^2
2623	5/12/2017 13:49	PAINT		WALL	C	POOR	GREEN	3	339	Building H	Negative	< LOD	1.68	mg / cm ^2
2624	5/12/2017 13:49	PAINT		WALL	D	POOR	GREEN	3	339	Building H	Negative	< LOD	0.03	mg / cm ^2
2625	5/12/2017 13:49	PAINT		BASEBOARD	B	POOR	GREEN	3	339	Building H	Null	< LOD	0.12	mg / cm ^2
2626	5/12/2017 13:50	PAINT		BASEBOARD	C	POOR	GREEN	3	339	Building H	Negative	< LOD	0.03	mg / cm ^2
2627	5/12/2017 13:50	PAINT		WALL	A	POOR	GREEN	3	336-339	Building H	Negative	< LOD	0.1	mg / cm ^2
2628	5/12/2017 13:50	PAINT		WALL	B	POOR	GREEN	3	336-339	Building H	Null	< LOD	0.08	mg / cm ^2
2629	5/12/2017 13:51	PAINT		WALL	C	POOR	GREEN	3	336-339	Building H	Negative	< LOD	0.04	mg / cm ^2
2630	5/12/2017 13:51	PAINT		WALL	D	POOR	GREEN	3	336-339	Building H	Negative	< LOD	0.03	mg / cm ^2

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XRF Results for Building H

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Room	Section	Results	PbC	PbC Error	Units
2631	5/12/2017 13:51	PAINT		DOOR	D	POOR		3	336-339	Building H	Negative	< LOD	0.21	mg / cm ^2
2632	5/12/2017 13:52	PAINT		DOOR	D	POOR		3	336-339	Building H	Negative	< LOD	0.21	mg / cm ^2
2633	5/12/2017 13:52	PAINT		DOOR	D	POOR	GREEN	3	339	Building H	Negative	< LOD	0.14	mg / cm ^2
2634	5/12/2017 13:52	PAINT		DOOR	D	POOR	GREEN	3	336	Building H	Negative	< LOD	0.04	mg / cm ^2
2635	5/12/2017 13:52	PAINT		DOOR	D	POOR	GREEN	3	336	Building H	Negative	< LOD	0.4	mg / cm ^2
2636	5/12/2017 13:53	PAINT		WALL	A	POOR	GREEN	3	340	Building H	Null	0.07	0.04	mg / cm ^2
2637	5/12/2017 13:53	PAINT		WALL	B	POOR	GREEN	3	340	Building H	Null	< LOD	0.25	mg / cm ^2
2638	5/12/2017 13:54	PAINT		WALL	C	POOR	GREEN	3	340	Building H	Negative	< LOD	0.11	mg / cm ^2
2639	5/12/2017 13:55	PAINT		WALL	D	POOR	GREEN	3	340	Building H	Null	0.06	0.03	mg / cm ^2
2640	5/12/2017 13:55	PAINT		DOOR	D	POOR	GREEN	3	340	Building H	Positive	< LOD	14.7	mg / cm ^2
2641	5/12/2017 13:55	PAINT		DOOR	D	POOR		3	340	Building H	Positive	< LOD	11.85	mg / cm ^2
2642	5/12/2017 13:55	PAINT		DOOR	D	POOR		3	340	Building H	Positive	< LOD	12.75	mg / cm ^2
2643	5/12/2017 13:56	PAINT		DOOR	D	POOR	BROWN	3	340	Building H	Negative	0.7	0.2	mg / cm ^2
2644	5/12/2017 13:56	PAINT		OVERHEAD DOOR	D	POOR	GREEN	3	340	Building H	Null	< LOD	0.03	mg / cm ^2
2645	5/12/2017 13:56	PAINT		DOOR	A	POOR		3	340	Building H	Positive	7.5	4.4	mg / cm ^2
2646	5/12/2017 13:57	PAINT		DOOR	A	POOR		3	340	Building H	Negative	< LOD	0.13	mg / cm ^2
2647	5/12/2017 13:57	PAINT		PIPE	A	POOR		3	340	Building H	Negative	< LOD	0.75	mg / cm ^2
2648	5/12/2017 13:57	PAINT		PIPE	A	POOR		3	340	Building H	Negative	< LOD	0.36	mg / cm ^2
2649	5/12/2017 13:58	PAINT		WINDOW FRAME	B	POOR		3	340	Building H	Negative	< LOD	0.05	mg / cm ^2
2650	5/12/2017 13:58	PAINT		WINDOW LEDGE	B	POOR		3	340	Building H	Negative	< LOD	0.6	mg / cm ^2
2651	5/12/2017 13:58	PAINT		WINDOW	B	POOR		3	340	Building H	Positive	< LOD	13.05	mg / cm ^2
2652	5/12/2017 13:59	PAINT		WALL	A	POOR	LIGHT GREEN	3	327	Building H	Null	< LOD	0.07	mg / cm ^2
2653	5/12/2017 13:59	PAINT		WALL	A	POOR	DARK GREEN	3	327	Building H	Negative	< LOD	0.06	mg / cm ^2
2654	5/12/2017 14:00	PAINT		WALL	B	POOR	LIGHT GREEN	3	327	Building H	Negative	< LOD	0.05	mg / cm ^2
2655	5/12/2017 14:00	PAINT		WALL	B	POOR	DARK GREEN	3	327	Building H	Negative	< LOD	0.03	mg / cm ^2
2656	5/12/2017 14:00	PAINT		WALL	C	POOR	PINK	3	327	Building H	Negative	< LOD	0.08	mg / cm ^2
2657	5/12/2017 14:00	PAINT		WALL	C	POOR	LIGHT GREEN	3	327	Building H	Negative	< LOD	0.08	mg / cm ^2
2658	5/12/2017 14:01	PAINT		DOOR	B	POOR		3	327	Building H	Positive	5.1	3.2	mg / cm ^2
2659	5/12/2017 14:01	PAINT		WALL	B	POOR		3	327	Building H	Positive	< LOD	10.2	mg / cm ^2
2660	5/12/2017 14:01	PAINT		WALL	B	POOR		3	327	Building H	Positive	< LOD	6.45	mg / cm ^2
2661	5/12/2017 14:02	PAINT		ARCHWAY TRIM		POOR	GREEN	3	327	Building H	Negative	< LOD	0.04	mg / cm ^2
2662	5/12/2017 14:02	PAINT		ARCHWAY FRAME		POOR	GREEN	3	327	Building H	Negative	< LOD	0.07	mg / cm ^2
2663	5/12/2017 14:02	PAINT		ARCHWAY PANEL		POOR	GREEN	3	327	Building H	Negative	< LOD	0.04	mg / cm ^2
2664	5/12/2017 14:02	PAINT		ARCHWAY DOOR FRAME		POOR		3	327	Building H	Negative	< LOD	0.13	mg / cm ^2
2665	5/12/2017 14:03	PAINT		ARCHWAY PANEL		POOR	BEIGE	3	327	Building H	Null	< LOD	0.33	mg / cm ^2
2666	5/12/2017 14:03	PAINT		ARCHWAY CROWN MOULDING		POOR		3	327	Building H	Negative	< LOD	0.15	mg / cm ^2
2667	5/12/2017 14:03	PAINT		WALL	D	POOR	BEIGE	3	327	Building H	Null	< LOD	0.44	mg / cm ^2
2668	5/12/2017 14:03	PAINT		CEILING		POOR	TAN	3	327	Building H	Negative	< LOD	0.29	mg / cm ^2
2669	5/12/2017 14:04	PAINT		DOOR		POOR		3	327	Building H	Negative	< LOD	0.24	mg / cm ^2
2670	5/12/2017 14:04	PAINT		DOOR		POOR		3	327	Building H	Null	< LOD	0.27	mg / cm ^2
2671	5/12/2017 14:04	PAINT		STAIRWELL DOOR		POOR		3	327	Building H	Negative	< LOD	0.04	mg / cm ^2
2672	5/12/2017 14:04	PAINT		STAIRWELL DOOR		POOR		3	327	Building H	Negative	< LOD	0.03	mg / cm ^2
2673	5/12/2017 14:05	PAINT		STAIRWELL DOOR		POOR		3	327	Building H	Null	< LOD	0.05	mg / cm ^2
2674	5/12/2017 14:06	PAINT		WALL	A	POOR	GREEN	3	341	building H-C	Negative	< LOD	0.03	mg / cm ^2
2675	5/12/2017 14:07	PAINT		WALL	B	POOR	GREEN	3	341	building H-C	Negative	< LOD	0.03	mg / cm ^2
2676	5/12/2017 14:07	PAINT		WALL	C	POOR	GREEN	3	341	building H-C	Negative	< LOD	0.07	mg / cm ^2
2677	5/12/2017 14:08	PAINT		WALL	D	POOR	GREEN	3	341	building H-C	Null	< LOD	0.16	mg / cm ^2
2678	5/12/2017 14:08	PAINT		WALL	D	POOR	BEIGE	3	341	building H-C	Negative	< LOD	0.09	mg / cm ^2
2679	5/12/2017 14:08	PAINT		WALL	B	POOR	BEIGE	3	341	building H-C	Null	< LOD	0.03	mg / cm ^2
2680	5/12/2017 14:09	PAINT		CEILING		POOR	BEIGE	3	341	building H-C	Negative	< LOD	0.58	mg / cm ^2
2681	5/12/2017 14:09	PAINT		TRIM	D	POOR	DARK GREEN	3	341	building H-C	Null	0.12	0.06	mg / cm ^2
2706	5/12/2017 14:48	PAINT		CALIBRATION		POOR					Positive	1	0.1	mg / cm ^2
2707	5/12/2017 14:49	PAINT		CALIBRATION		POOR					Positive	1.1	0.1	mg / cm ^2
2708	5/12/2017 14:49	PAINT		CALIBRATION		POOR					Positive	1	0.1	mg / cm ^2

Reading No	Time	Type	Duration	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC	PbC Error	Units
2818	5/15/2017 15:39	SHUTTER_CAL	152.86									2.29		0 cps
2819	5/15/2017 15:59	PAINT	4.24	calibration1	DRYWALL	A	INTACT	BEIGE	Building B		Positive	1.1		0.1 mg / cm ^2
2820	5/15/2017 15:59	PAINT	4.22	calibration2	DRYWALL	A	INTACT	BEIGE	Building B		Positive	1		0.1 mg / cm ^2
2821	5/15/2017 16:00	PAINT	3.54	calibration3	DRYWALL	A	INTACT	BEIGE	Building B		Positive	1.2		0.2 mg / cm ^2
2822	5/15/2017 16:03	PAINT	1.52	WALL	DRYWALL	A	INTACT	BEIGE	Building B	166	Negative	< LOD		0.18 mg / cm ^2
2823	5/15/2017 16:03	PAINT	1.69	WALL	DRYWALL	B	INTACT	BEIGE	Building B	166	Null	< LOD		0.03 mg / cm ^2
2824	5/15/2017 16:04	PAINT	2.88	WALL	DRYWALL	C	INTACT	BEIGE	Building B	166	Negative	< LOD		0.03 mg / cm ^2
2825	5/15/2017 16:04	PAINT	1.01	WALL	DRYWALL	C	INTACT	BEIGE	Building B	166	Negative	< LOD		0.03 mg / cm ^2
2826	5/15/2017 16:04	PAINT	2.55	WALL	DRYWALL	D	INTACT	BEIGE	Building B	166	Negative	< LOD		0.03 mg / cm ^2
2827	5/15/2017 16:05	PAINT	1.02	BASEBOARD	WOOD	C	INTACT	BEIGE	Building B	166	Negative	< LOD		0.08 mg / cm ^2
2828	5/15/2017 16:06	PAINT	1.01	DOOR	WOOD	C	INTACT	BROWN	Building B	166	Negative	< LOD		0.03 mg / cm ^2
2829	5/15/2017 16:06	PAINT	1.02	DOOR	WOOD	C	INTACT	BROWN	Building B	166	Negative	< LOD		0.03 mg / cm ^2
2830	5/15/2017 16:07	PAINT	1.02	CEILING	WOOD	C	INTACT	BROWN	Building B	166	Negative	< LOD		0.03 mg / cm ^2
2831	5/15/2017 16:08	PAINT	5.58	calibration4	WOOD	C	INTACT	BROWN	Building B	166	Negative	0.9		0.1 mg / cm ^2
2832	5/15/2017 16:09	PAINT	7.44	calibration5	WOOD	C	INTACT	BROWN	Building B	166	Positive	1.1		0.1 mg / cm ^2
2833	5/15/2017 16:09	PAINT	7.77	calibration6	WOOD	C	INTACT	BROWN	Building B	166	Positive	1.1		0.1 mg / cm ^2

Reading No	Time	Type	Duration	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC	PbC Error	Units
2890	7/2/2017 12:51	SHUTTER_CAL	168.82									2.18	0 cps	
2891	7/2/2017 12:56	PAINT	3.47	calibration 1	PLASTER						Positive	1.2	0.2 mg / cm ^2	
2892	7/2/2017 12:57	PAINT	7.39	calibration 2	PLASTER						Positive	1	0.1 mg / cm ^2	
2893	7/2/2017 12:57	PAINT	0.95	calibration 3	PLASTER						Positive	1.2	0.6 mg / cm ^2	
2894	7/2/2017 13:00	PAINT	3.15	WALL	PLASTER	A	INTACT	BEIGE	Building H	hall west	Negative	< LOD	1.55 mg / cm ^2	
2895	7/2/2017 13:00	PAINT	1.11	WALL	WOOD	A	INTACT	BEIGE	Building H	hall west	Negative	< LOD	0.03 mg / cm ^2	
2896	7/2/2017 13:00	PAINT	1.58	WALL	PLASTER	B	INTACT	BEIGE	Building H	hall west	Negative	< LOD	0.03 mg / cm ^2	
2897	7/2/2017 13:01	PAINT	1.26	WALL	PLASTER	B	INTACT	BEIGE	Building H	hall west	Negative	< LOD	0.03 mg / cm ^2	
2898	7/2/2017 13:01	PAINT	1.58	WALL	PLASTER	C	INTACT	BEIGE	Building H	hall west	Negative	< LOD	0.03 mg / cm ^2	
2899	7/2/2017 13:01	PAINT	2.22	WALL	PLASTER	C	INTACT	BEIGE	Building H	hall west	Negative	< LOD	0.03 mg / cm ^2	
2900	7/2/2017 13:01	PAINT	1.42	WALL	PLASTER	C	INTACT	BEIGE	Building H	hall west	Negative	< LOD	0.03 mg / cm ^2	
2901	7/2/2017 13:02	PAINT	1.74	WALL	PLASTER	C	INTACT	BEIGE	Building H	hall west	Negative	< LOD	0.03 mg / cm ^2	
2902	7/2/2017 13:02	PAINT	1.11	WALL	PLASTER	C	INTACT	BEIGE	Building H	hall west	Null	< LOD	0.03 mg / cm ^2	
2903	7/2/2017 13:02	PAINT	1.75	WALL	PLASTER	D	INTACT	BEIGE	Building H	hall west	Negative	< LOD	0.03 mg / cm ^2	
2904	7/2/2017 13:03	PAINT	1.11	DOOR	METAL	D	INTACT	BROWN	Building H	hall west	Negative	< LOD	0.11 mg / cm ^2	
2905	7/2/2017 13:03	PAINT	1.1	DOOR	METAL	D	INTACT	BROWN	Building H	hall west	Negative	< LOD	0.14 mg / cm ^2	
2906	7/2/2017 13:03	PAINT	1.1	DOOR	METAL	C	INTACT	BROWN	Building H	hall west	Negative	< LOD	0.19 mg / cm ^2	
2907	7/2/2017 13:03	PAINT	1.11	DOOR	METAL	C	INTACT	BROWN	Building H	hall west	Negative	< LOD	0.34 mg / cm ^2	
2908	7/2/2017 13:04	PAINT	1.42	BASEBOARD	WOOD	C	INTACT	BEIGE	Building H	hall west	Negative	< LOD	0.1 mg / cm ^2	
2909	7/2/2017 13:04	PAINT	2.06	BASEBOARD	WOOD	C	INTACT	BEIGE	Building H	hall west	Negative	< LOD	0.03 mg / cm ^2	
2910	7/2/2017 13:05	PAINT	2.22	CEILING	WOOD	C	INTACT	BEIGE	Building H	hall west	Null	< LOD	0.03 mg / cm ^2	
2911	7/2/2017 13:05	PAINT	5.06	CEILING	WOOD	C	INTACT	BEIGE	Building H	hall west	Negative	< LOD	1.05 mg / cm ^2	
2912	7/2/2017 13:06	PAINT	1.26	BASEBOARD	WOOD	A	INTACT	BLUE	Building H	hall west	Positive	2.5	1.3 mg / cm ^2	
2913	7/2/2017 13:07	PAINT	3.17	BASEBOARD	WOOD	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD	0.03 mg / cm ^2	
2914	7/2/2017 13:07	PAINT	2.99	BASEBOARD	WOOD	B	INTACT	BEIGE	Building H	hall middle	Positive	< LOD	3.75 mg / cm ^2	
2915	7/2/2017 13:08	PAINT	3.17	BASEBOARD	WOOD	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD	0.03 mg / cm ^2	
2916	7/2/2017 13:09	PAINT	2.68	BASEBOARD	WOOD	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD	0.05 mg / cm ^2	
2917	7/2/2017 13:09	PAINT	3.15	BASEBOARD	WOOD	D	INTACT	BEIGE	Building H	hall middle	Negative	< LOD	1.58 mg / cm ^2	
2918	7/2/2017 13:10	PAINT	1.11	DOOR	WOOD	A	INTACT	BROWN	Building H	hall middle	Negative	< LOD	0.23 mg / cm ^2	
2919	7/2/2017 13:10	PAINT	1.11	DOOR	WOOD	A	INTACT	BROWN	Building H	hall middle	Negative	< LOD	0.32 mg / cm ^2	
2920	7/2/2017 13:11	PAINT	1.1	DOOR	WOOD	B	INTACT	BROWN	Building H	hall middle	Negative	< LOD	0.03 mg / cm ^2	
2921	7/2/2017 13:11	PAINT	1.1	DOOR	WOOD	B	INTACT	BROWN	Building H	hall middle	Negative	< LOD	0.03 mg / cm ^2	
2922	7/2/2017 13:11	PAINT	1.1	DOOR	WOOD	B	INTACT	BROWN	Building H	hall middle	Negative	< LOD	0.03 mg / cm ^2	
2923	7/2/2017 13:11	PAINT	1.1	COLUMN	WOOD	B	INTACT	BROWN	Building H	hall middle	Negative	< LOD	0.03 mg / cm ^2	
2924	7/2/2017 13:12	PAINT	1.11	DOOR	WOOD	B	INTACT	BEIGE	Building H	hall middle	Positive	< LOD	6.75 mg / cm ^2	
2925	7/2/2017 13:12	PAINT	1.73	DOOR	WOOD	B	INTACT	BEIGE	Building H	hall middle	Positive	< LOD	5.25 mg / cm ^2	
2926	7/2/2017 13:12	PAINT	0.79	DOOR	WOOD	B	INTACT	YELLOW	Building H	hall middle	Positive	< LOD	13.2 mg / cm ^2	
2927	7/2/2017 13:13	PAINT	0.79	DOOR	WOOD	B	INTACT	YELLOW	Building H	hall middle	Positive	< LOD	13.8 mg / cm ^2	
2928	7/2/2017 13:13	PAINT	1.11	DOOR-elevator	WOOD	B	INTACT	YELLOW	Building H	hall middle	Negative	< LOD	0.09 mg / cm ^2	
2929	7/2/2017 13:14	PAINT	3.16	DOOR-elevator	WOOD	B	INTACT	YELLOW	Building H	hall middle	Negative	< LOD	0.03 mg / cm ^2	
2930	7/2/2017 13:14	PAINT	1.1	DOOR-elevator	PLASTER	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD	0.39 mg / cm ^2	
2931	7/2/2017 13:14	PAINT	1.1	DOOR-elevator	PLASTER	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD	0.46 mg / cm ^2	
2932	7/2/2017 13:15	PAINT	1.11	DOOR-elevator	METAL	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD	0.41 mg / cm ^2	
2933	7/2/2017 13:15	PAINT	1.11	DOOR	METAL	C	INTACT	BEIGE	Building H	hall middle	Negative	< LOD	0.22 mg / cm ^2	
2934	7/2/2017 13:15	PAINT	0.79	DOOR	METAL	C	INTACT	BEIGE	Building H	hall middle	Null	< LOD	0.14 mg / cm ^2	

Reading No	Time	Type	Duration	Component	Substrate	Side	Condition	Color	Floor	Room	Results	PbC	PbC Error	Units
2935	7/2/2017 13:16	PAINT	1.11	DOOR	METAL	B	INTACT	YELLOW	Building H	hall middle	Negative	< LOD		0.28 mg / cm ^2
2936	7/2/2017 13:16	PAINT	1.11	DOOR	METAL	B	INTACT	YELLOW	Building H	hall middle	Negative	< LOD		0.38 mg / cm ^2
2937	7/2/2017 13:17	PAINT	1.1	DOOR	METAL	D	INTACT	BLUE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2938	7/2/2017 13:17	PAINT	1.11	DOOR	METAL	D	INTACT	BLUE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2939	7/2/2017 13:17	PAINT	1.1	DOOR	METAL	D	INTACT	BLUE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2940	7/2/2017 13:17	PAINT	1.1	DOOR	METAL	D	INTACT	YELLOW	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2941	7/2/2017 13:18	PAINT	2.05	TRIM	DRYWALL	A	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2942	7/2/2017 13:18	PAINT	1.73	TRIM	DRYWALL	A	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		0.04 mg / cm ^2
2943	7/2/2017 13:18	PAINT	3.17	TRIM	DRYWALL	A	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2944	7/2/2017 13:19	PAINT	1.1	TRIM	WOOD	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2945	7/2/2017 13:19	PAINT	0.47	TRIM	WOOD	B	INTACT	BEIGE	Building H	hall middle	Null	< LOD		0.06 mg / cm ^2
2946	7/2/2017 13:19	PAINT	1.58	WALL	CONCRETE	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2947	7/2/2017 13:20	PAINT	1.9	WALL	CONCRETE	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2948	7/2/2017 13:20	PAINT	3.15	WALL	CONCRETE	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		1.52 mg / cm ^2
2949	7/2/2017 13:20	PAINT	3.31	WALL	CONCRETE	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		1.55 mg / cm ^2
2950	7/2/2017 13:21	PAINT	2.22	WALL	CONCRETE	B	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2951	7/2/2017 13:22	PAINT	3.15	WALL	CONCRETE	C	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2952	7/2/2017 13:22	PAINT	3	WALL	CONCRETE	D	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2953	7/2/2017 13:22	PAINT	1.9	WALL	CONCRETE	D	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		0.03 mg / cm ^2
2954	7/2/2017 13:24	PAINT	7.61	CEILING	CONCRETE	D	INTACT	GREEN	Building H	hall middle	Negative	< LOD		0.99 mg / cm ^2
2955	7/2/2017 13:25	PAINT	1.11	CEILING	CONCRETE	D	INTACT	BEIGE	Building H	hall middle	Negative	< LOD		0.3 mg / cm ^2
2956	7/2/2017 13:26	PAINT	3.15	BASEBOARD	CONCRETE	A	INTACT	BLUE	Building H	starwell west	Positive	1.5		0.4 mg / cm ^2
2957	7/2/2017 13:27	PAINT	1.59	BASEBOARD	CONCRETE	A	INTACT	YELLOW	Building H	starwell west	Positive	2.4		1.4 mg / cm ^2
2958	7/2/2017 13:27	PAINT	1.1	BASEBOARD	CONCRETE	A	INTACT	YELLOW	Building H	starwell west	Positive	2.9		1.8 mg / cm ^2
2959	7/2/2017 13:28	PAINT	1.58	steps	CONCRETE	A	INTACT	YELLOW	Building H	starwell west	Positive	2.4		1.3 mg / cm ^2
2960	7/2/2017 13:28	PAINT	3.16	steps	CONCRETE	A	INTACT	BLUE	Building H	starwell west	Positive	1.5		0.4 mg / cm ^2
2961	7/2/2017 13:29	PAINT	1.59	steps	CONCRETE	C	INTACT	BEIGE	Building H	starwell west	Negative	< LOD		0.04 mg / cm ^2
2962	7/2/2017 13:30	PAINT	1.11	steps	CONCRETE	C	INTACT	BROWN	Building H	starwell west	Positive	2.3		1.3 mg / cm ^2
2963	7/2/2017 13:31	PAINT	1.11	rail	CONCRETE	C	INTACT	YELLOW	Building H	starwell west	Negative	< LOD		0.13 mg / cm ^2
2964	7/2/2017 13:31	PAINT	1.1	rail	CONCRETE	C	INTACT	BLUE	Building H	starwell west	Negative	< LOD		0.14 mg / cm ^2
2965	7/2/2017 13:32	PAINT	3.15	WALL	CONCRETE	C	INTACT	YELLOW	Building H	starwell west	Negative	< LOD		1.57 mg / cm ^2
2966	7/2/2017 13:32	PAINT	0.64	WALL	CONCRETE	C	INTACT	YELLOW	Building H	starwell west	Null	< LOD		0.98 mg / cm ^2
2967	7/2/2017 13:33	PAINT	3.16	WALL	CONCRETE	C	INTACT	TAN	Building H	starwell west	Negative	< LOD		1.46 mg / cm ^2
2968	7/2/2017 13:33	PAINT	3.16	WALL	CONCRETE	C	INTACT	TAN	Building H	starwell west	Negative	0.09		0.06 mg / cm ^2
2969	7/2/2017 13:34	PAINT	3.64	WALL	CONCRETE	C	INTACT	WHITE	Building H	starwell west	Negative	< LOD		1.36 mg / cm ^2
2970	7/2/2017 13:34	PAINT	3.15	WALL	CONCRETE	C	INTACT	GREEN	Building H	starwell west	Negative	< LOD		1.48 mg / cm ^2
2971	7/2/2017 13:35	PAINT	3.16	CEILING	CONCRETE	C	INTACT	WHITE	Building H	starwell west	Negative	< LOD		0.03 mg / cm ^2
2972	7/2/2017 13:35	PAINT	0.63	CEILING	CONCRETE	C	INTACT	WHITE	Building H	starwell west	Null	< LOD		0.07 mg / cm ^2
2973	7/2/2017 13:35	PAINT	1.89	CEILING	CONCRETE	C	INTACT	WHITE	Building H	starwell west	Null	< LOD		1.2 mg / cm ^2
2974	7/2/2017 13:36	PAINT	3.17	WALL	CONCRETE	B	INTACT	BEIGE	Building H	starwell west	Negative	< LOD		0.19 mg / cm ^2
2975	7/2/2017 13:41	PAINT	1.1	BASEBOARD	CONCRETE	D	INTACT	BROWN	Building H	west hall	Negative	< LOD		0.1 mg / cm ^2
2976	7/2/2017 13:41	PAINT	1.1	BASEBOARD	CONCRETE	A	INTACT	BROWN	Building H	west hall	Negative	< LOD		0.03 mg / cm ^2
2977	7/2/2017 13:53	PAINT	2.68	CEILING	CONCRETE	A	INTACT	GREEN	Building H	west hall	Negative	< LOD		0.05 mg / cm ^2
2978	7/2/2017 13:54	PAINT	1.27	CEILING	CONCRETE	A	INTACT	GREEN	Building H	west hall	Null	< LOD		0.29 mg / cm ^2
2979	7/2/2017 13:56	PAINT	8.04	calibration 4	CONCRETE	A	INTACT	GREEN	Building H	west hall	Positive	1		0.1 mg / cm ^2
2980	7/2/2017 13:57	PAINT	8.03	calibration 5	CONCRETE	A	INTACT	GREEN	Building H	west hall	Positive	1.1		0.1 mg / cm ^2
2981	7/2/2017 13:57	PAINT	7.73	calibration 6	CONCRETE	A	INTACT	GREEN	Building H	west hall	Positive	1.1		0.1 mg / cm ^2

Reading No	Time	Type	Component	Side	Color	Room	Section	Results	PbC	PbC Error	Units
2518	5/12/2017 12:41	SHUTTER_CAL							2.16	0	cps
2706	5/12/2017 14:48	PAINT	CALIBRATION1				B	Positive	1	0.1	mg / cm ^2
2707	5/12/2017 14:49	PAINT	CALIBRATION2				B	Positive	1.1	0.1	mg / cm ^2
2708	5/12/2017 14:49	PAINT	CALIBRATION3				B	Positive	1	0.1	mg / cm ^2
2709	5/12/2017 14:57	PAINT	BRICK	A	YELLOW	Outside	C	Negative	< LOD	0.04	mg / cm ^2
2710	5/12/2017 14:58	PAINT	DOOR	A	GREEN	Outside	C	Negative	< LOD	1.5	mg / cm ^2
2711	5/12/2017 14:58	PAINT	STAIR RAILING	A	GREEN	Outside	C	Null	< LOD	0.11	mg / cm ^2
2712	5/12/2017 14:59	PAINT	STAIR RAILING	A	GREEN	Outside	C	Negative	< LOD	0.04	mg / cm ^2
2713	5/12/2017 14:59	PAINT	RAMP	A	YELLOW	Outside	C	Negative	< LOD	0.03	mg / cm ^2
2714	5/12/2017 15:00	PAINT	BAY WALL	A	YELLOW	Outside	C	Positive	3.4	1.8	mg / cm ^2
2715	5/12/2017 15:01	PAINT	BAY WALL	A	GREEN	Outside	C	Positive	< LOD	4.65	mg / cm ^2
2716	5/12/2017 15:01	PAINT	STEPS	A	YELLOW	Outside	C	Negative	< LOD	0.08	mg / cm ^2
2717	5/12/2017 15:02	PAINT	RAIL	A	BLUE/GREEN	Outside	C	Negative	< LOD	0.4	mg / cm ^2
2718	5/12/2017 15:02	PAINT	COLUMN	A	WHITE	Outside	C	Negative	< LOD	0.06	mg / cm ^2
2719	5/12/2017 15:02	PAINT	SIDEWALK	A	WHITE	Outside	C	Negative	< LOD	0.05	mg / cm ^2
2720	5/12/2017 15:02	PAINT	BAY LINE	A	WHITE	Outside	C	Null	< LOD	0.07	mg / cm ^2
2721	5/12/2017 15:03	PAINT	BAY LINE	A	YELLOW	Outside	C	Null	< LOD	1.8	mg / cm ^2
2722	5/12/2017 15:03	PAINT	DOOR	A	GREEN	Outside	C	Negative	< LOD	2.5	mg / cm ^2
2723	5/12/2017 15:03	PAINT	DOOR	A	GREEN	Outside	C	Negative	< LOD	0.43	mg / cm ^2
2724	5/12/2017 15:04	PAINT	WALL	A	OLIVE GREEN	Outside	C	Negative	< LOD	0.03	mg / cm ^2
2725	5/12/2017 15:04	PAINT	SIDEWALK	A	LIGHT YELLOW	Outside	C	Positive	1.5	0.5	mg / cm ^2
2726	5/12/2017 15:05	PAINT	CEILING	A		Outside	C	Negative	< LOD	0.03	mg / cm ^2
2727	5/12/2017 15:05	PAINT	CEILING	A		Outside	C	Null	< LOD	0.06	mg / cm ^2
2728	5/12/2017 15:06	PAINT	PAINT	A	BLUE	Outside	C	Negative	< LOD	0.03	mg / cm ^2
2729	5/12/2017 15:07	PAINT	BRICK	D	YELLOW	Outside	C	Negative	0.04	0.02	mg / cm ^2
2730	5/12/2017 15:08	PAINT	BRICK	C	YELLOW	Outside	C	Null	0.07	0.05	mg / cm ^2
2731	5/12/2017 15:09	PAINT	WALL	C	OLIVE GREEN	Outside	C	Negative	< LOD	0.03	mg / cm ^2
2732	5/12/2017 15:10	PAINT	COLUMN	C	WHITE	Outside	C	Negative	< LOD	0.03	mg / cm ^2
2733	5/12/2017 15:10	PAINT	PLATFORM	C	YELLOW	Outside	C	Negative	< LOD	0.03	mg / cm ^2
2734	5/12/2017 15:11	PAINT	RAMP SIDE	C	YELLOW	Outside	C	Negative	< LOD	0.03	mg / cm ^2
2735	5/12/2017 15:11	PAINT	HANDRAIL	C		Outside	C	Negative	< LOD	0.23	mg / cm ^2
2736	5/12/2017 15:11	PAINT	CEILING	C		Outside	C	Null	< LOD	0.03	mg / cm ^2
2737	5/12/2017 15:12	PAINT	PAINT	C	RED	Outside	C	Null	1.1	0.6	mg / cm ^2
2738	5/12/2017 15:13	PAINT	PAINT	C	YELLOW	Outside	C	Positive	1.9	0.9	mg / cm ^2
2739	5/12/2017 15:13	PAINT	PAINT	C	WHITE	Outside	C	Negative	< LOD	0.03	mg / cm ^2
2740	5/12/2017 15:14	PAINT	PAINT	C	BLUE	Outside	C	Negative	< LOD	0.04	mg / cm ^2
2741	5/12/2017 15:14	PAINT	BRICK	B	YELLOW	Outside	C	Null	< LOD	0.04	mg / cm ^2
2742	5/12/2017 15:16	PAINT	CONCRETE	D	YELLOW	Outside	C	Null	0.8	0.1	mg / cm ^2
2743	5/12/2017 15:17	PAINT	BRICK	D	YELLOW	Outside	C	Negative	< LOD	0.03	mg / cm ^2
2744	5/12/2017 15:17	PAINT	CONCRETE	D	YELLOW	Outside	C	Null	0.9	0.2	mg / cm ^2
2745	5/12/2017 15:18	PAINT	COLUMN	D	WHITE	Outside	C	Negative	< LOD	0.03	mg / cm ^2

Reading No	Time	Type	Component	Side	Color	Room	Section	Results	PbC	PbC Error	Units
2746	5/12/2017 15:18	PAINT	WINDOW LEDGE	D	WHITE	Outside	C	Negative	< LOD	0.04	mg / cm ^2
2747	5/12/2017 15:18	PAINT	WINDOW LEDGE	D	GREEN	Outside	C	Positive	< LOD	5.4	mg / cm ^2
2748	5/12/2017 15:18	PAINT	WINDOW	D	GREEN	Outside	C	Positive	< LOD	12	mg / cm ^2
2749	5/12/2017 15:18	PAINT	WINDOW FRAME	D	GREEN	Outside	C	Positive	< LOD	8.55	mg / cm ^2
2750	5/12/2017 15:19	PAINT	CONCRETE	C	YELLOW	Outside	C	Null	< LOD	0.05	mg / cm ^2
2751	5/12/2017 15:20	PAINT	BRICK	C	YELLOW	Outside	C	Negative	< LOD	0.03	mg / cm ^2
2752	5/12/2017 15:20	PAINT	WINDOW LEDGE	C	WHITE	Outside	C	Negative	0.07	0.04	mg / cm ^2
2753	5/12/2017 15:20	PAINT	WINDOW LEDGE	C	GREEN	Outside	C	Positive	< LOD	18.15	mg / cm ^2
2754	5/12/2017 15:20	PAINT	WINDOW	C	GREEN	Outside	C	Positive	< LOD	2	mg / cm ^2
2755	5/12/2017 15:20	PAINT	WINDOW FRAME	C	GREEN	Outside	C	Positive	< LOD	7.5	mg / cm ^2
2756	5/12/2017 15:21	PAINT	BRICK	C	YELLOW	Outside	C	Negative	< LOD	0.06	mg / cm ^2
2757	5/12/2017 15:21	PAINT	COLUMN	C	WHITE	Outside	C	Negative	< LOD	0.07	mg / cm ^2
2758	5/12/2017 15:21	PAINT	DOOR	B	GREEN	Outside	C	Negative	< LOD	0.11	mg / cm ^2
2759	5/12/2017 15:22	PAINT	BRICK	B	YELLOW	Outside	C	Null	< LOD	1.2	mg / cm ^2
2760	5/12/2017 15:23	PAINT	CONCRETE	B	YELLOW	Outside	C	Null	0.9	0.1	mg / cm ^2
2761	5/12/2017 15:23	PAINT	WINDOW LEDGE	B	YELLOW	Outside	C	Negative	0.3	0.1	mg / cm ^2
2762	5/12/2017 15:23	PAINT	WINDOW LEDGE	B	GREEN	Outside	C	Negative	< LOD	0.38	mg / cm ^2
2763	5/12/2017 15:24	PAINT	WINDOW	B	GREEN	Outside	C	Positive	< LOD	16.5	mg / cm ^2
2764	5/12/2017 15:24	PAINT	WINDOW FRAME	B	GREEN	Outside	C	Positive	1.6	0.6	mg / cm ^2
2765	5/12/2017 15:25	PAINT	WINDOW LEDGE	B	YELLOW	Outside	C	Negative	0.22	0.11	mg / cm ^2
2766	5/12/2017 15:25	PAINT	WINDOW LEDGE	B	GREEN	Outside	C	Negative	< LOD	0.55	mg / cm ^2
2767	5/12/2017 15:25	PAINT	WINDOW	B	GREEN	Outside	C	Negative	< LOD	0.4	mg / cm ^2
2768	5/12/2017 15:25	PAINT	WINDOW FRAME	B	GREEN	Outside	C	Positive	2.2	1.1	mg / cm ^2
2769	5/12/2017 15:26	PAINT	BRICK	C	YELLOW	Outside	B	Negative	< LOD	0.03	mg / cm ^2
2770	5/12/2017 15:27	PAINT	RAIL	C	YELLOW	Outside	B	Negative	< LOD	0.13	mg / cm ^2
2771	5/12/2017 15:28	PAINT	WINDOW	B	GREEN	Outside	B	Negative	< LOD	0.04	mg / cm ^2
2772	5/12/2017 15:29	PAINT	DOUBLE DOOR	B	GREEN	Outside	B	Negative	< LOD	0.17	mg / cm ^2
2773	5/12/2017 15:29	PAINT	DOOR	B	GREEN	Outside	B	Negative	< LOD	0.75	mg / cm ^2
2774	5/12/2017 15:29	PAINT	DOOR	B	GREEN	Outside	B	Negative	< LOD	0.52	mg / cm ^2
2775	5/12/2017 15:29	PAINT	DOUBLE DOOR	B	GREEN	Outside	B	Negative	< LOD	0.06	mg / cm ^2
2776	5/12/2017 15:30	PAINT	DOUBLE DOOR	B	GREEN	Outside	B	Negative	< LOD	0.6	mg / cm ^2
2777	5/12/2017 15:31	PAINT	SMOKE STACK	C	RED	Outside	B	Negative	< LOD	0.04	mg / cm ^2
2778	5/12/2017 15:31	PAINT	BRICK	C		Outside	B	Negative	< LOD	0.03	mg / cm ^2
2779	5/12/2017 15:32	PAINT	WINDOW	C	GREEN	Outside	B	Negative	< LOD	0.04	mg / cm ^2
2780	5/12/2017 15:32	PAINT	WINDOW LEDGE	C	YELLOW	Outside	B	Negative	< LOD	0.13	mg / cm ^2
2781	5/12/2017 15:32	PAINT	BEAM	C	WHITE	Outside	B	Negative	< LOD	0.11	mg / cm ^2
2782	5/12/2017 15:32	PAINT	BEAM	C	RED	Outside	B	Negative	< LOD	0.15	mg / cm ^2
2783	5/12/2017 15:33	PAINT	PIPE	C	YELLOW	Outside	B	Negative	< LOD	0.6	mg / cm ^2
2784	5/12/2017 15:34	PAINT	DOUBLE DOOR	B	GREEN	Outside	B	Negative	< LOD	0.06	mg / cm ^2
2785	5/12/2017 15:34	PAINT	CONCRETE	B		Outside	B	Negative	< LOD	0.03	mg / cm ^2
2786	5/12/2017 15:35	PAINT	CONCRETE	B		Outside	B	Null	< LOD	0.03	mg / cm ^2

Reading No	Time	Type	Component	Side	Color	Room	Section	Results	PbC	PbC Error	Units
2787	5/12/2017 15:35	PAINT	RAIL	B	GREEN	Outside	B	Negative	< LOD	0.04	mg / cm ^2
2788	5/12/2017 15:35	PAINT	RAIL	B	BLUE	Outside	B	Negative	< LOD	0.03	mg / cm ^2
2789	5/12/2017 15:36	PAINT	WALL	B	GREEN	Outside	B	Negative	< LOD	0.03	mg / cm ^2
2790	5/12/2017 15:36	PAINT	BRICK	B	YELLOW	Outside	B	Negative	< LOD	0.06	mg / cm ^2
2791	5/12/2017 15:36	PAINT	WALL	B	YELLOW	Outside	B	Negative	< LOD	0.03	mg / cm ^2
2792	5/12/2017 15:37	PAINT	STEP	B	YELLOW	Outside	B	Negative	< LOD	0.03	mg / cm ^2
2793	5/12/2017 15:38	PAINT	PIPE	A	YELLOW	Outside	B	Positive	3.9	2.5	mg / cm ^2
2794	5/12/2017 15:39	PAINT	CONCRETE	A	YELLOW	Outside	B	Negative	< LOD	0.03	mg / cm ^2
2795	5/12/2017 15:39	PAINT	BRICK	A	YELLOW	Outside	B	Null	< LOD	0.11	mg / cm ^2
2796	5/12/2017 15:39	PAINT	WINDOW LEDGE	A	YELLOW	Outside	B	Null	< LOD	0.07	mg / cm ^2
2797	5/12/2017 15:40	PAINT	A/C POLES	A	YELLOW	Outside	B	Negative	< LOD	0.03	mg / cm ^2
2798	5/12/2017 15:40	PAINT	A/C POLES	A		Outside	B	Positive	2.7	1.6	mg / cm ^2
2799	5/12/2017 15:41	PAINT	CONCRETE	A	YELLOW	Outside	H	Negative	< LOD	0.03	mg / cm ^2
2800	5/12/2017 15:41	PAINT	WALL	A		Outside	H	Negative	< LOD	0.04	mg / cm ^2
2801	5/12/2017 15:41	PAINT	BRICK	A	YELLOW	Outside	H	Negative	< LOD	0.03	mg / cm ^2
2802	5/12/2017 15:42	PAINT	WINDOW LEDGE	A	YELLOW	Outside	H	Negative	0.1	0.06	mg / cm ^2
2803	5/12/2017 15:42	PAINT	WINDOW LEDGE	A	GREEN	Outside	H	Positive	3.3	2.2	mg / cm ^2
2804	5/12/2017 15:42	PAINT	WINDOW	A	GREEN	Outside	H	Negative	< LOD	0.37	mg / cm ^2
2805	5/12/2017 15:42	PAINT	WINDOW FRAME	A	GREEN	Outside	H	Negative	< LOD	0.6	mg / cm ^2
2806	5/12/2017 15:43	PAINT	COLUMN	D		Outside	H	Negative	< LOD	0.03	mg / cm ^2
2807	5/12/2017 15:43	PAINT	CONCRETE	D	YELLOW	Outside	H	Null	< LOD	0.09	mg / cm ^2
2808	5/12/2017 15:44	PAINT	BRICK	D	YELLOW	Outside	H	Negative	< LOD	0.03	mg / cm ^2
2809	5/12/2017 15:44	PAINT	WINDOW LEDGE	D	GREEN	Outside	H	Negative	0.1	0.05	mg / cm ^2
2810	5/12/2017 15:44	PAINT	WINDOW CASING	D	GREEN	Outside	H	Positive	1.8	0.8	mg / cm ^2
2811	5/12/2017 15:44	PAINT	DOOR CASING	D	GREEN	Outside	H	Negative	< LOD	0.04	mg / cm ^2
2812	5/12/2017 15:45	PAINT	DOOR	D	GREEN	Outside	H	Negative	< LOD	0.21	mg / cm ^2
2813	5/12/2017 15:45	PAINT	DOOR	D		Outside	H	Negative	< LOD	0.03	mg / cm ^2
2814	5/12/2017 15:45	PAINT	WALL	D	YELLOW	Outside	H	Negative	< LOD	0.05	mg / cm ^2
2815	5/12/2017 15:46	PAINT	CALIBRATION4			Outside	H	Positive	1.1	0.1	mg / cm ^2
2816	5/12/2017 15:47	PAINT	CALIBRATION5			Outside	H	Positive	1	0.1	mg / cm ^2
2817	5/12/2017 15:47	PAINT	CALIBRATION6			Outside	H	Positive	1	0.1	mg / cm ^2

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Section	Results	PbC	PbC Error	Units
595	5/5/2017 09:43	SHUTTER_CAL	152.67								2.38	0	cps
596	5/5/2017 09:49	PAINT	7.4	cal1						Positive	1.1	0.1	mg / cm ^2
597	5/5/2017 09:49	PAINT	1.2	cal2						Positive	1.6	0.6	mg / cm ^2
598	5/5/2017 09:50	PAINT	7.39	cal3						Positive	1.1	0.1	mg / cm ^2
599	5/5/2017 09:51	PAINT	15.23	cal4						Positive	1.1	0.1	mg / cm ^2
600	5/5/2017 09:51	PAINT	1.9	cal5						Null	1.1	0.3	mg / cm ^2
601	5/5/2017 10:07	PAINT	3.09	CEILING			BROWN	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
602	5/5/2017 10:08	PAINT	1.71	WALL	C		YELLOW	roof	Building H	Null	< LOD	0.18	mg / cm ^2
603	5/5/2017 10:09	PAINT	3.27	small build wall	C		YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
604	5/5/2017 10:09	PAINT	3.08	small build wall	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
605	5/5/2017 10:10	PAINT	2.73	small build wall	A	INTACT	YELLOW	roof	Building H	Null	< LOD	0.03	mg / cm ^2
606	5/5/2017 10:11	PAINT	2.41	small build wind	A	INTACT	YELLOW	roof	Building H	Null	< LOD	0.21	mg / cm ^2
607	5/5/2017 10:11	PAINT	2.58	small build wind	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.18	mg / cm ^2
608	5/5/2017 10:12	PAINT	3.59	small build wind	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
609	5/5/2017 10:12	PAINT	0.68	small nuild door	C	INTACT	YELLOW	roof	Building H	Positive	2.6	1.5	mg / cm ^2
610	5/5/2017 10:13	PAINT	1.02	small nuild door	C	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.15	mg / cm ^2
611	5/5/2017 10:13	PAINT	2.92	small nuild door	C	INTACT	YELLOW	roof	Building H	Positive	1.3	0.3	mg / cm ^2
612	5/5/2017 10:13	PAINT	1.03	small build door	C	INTACT	WHITE	roof	Building H	Negative	< LOD	0.11	mg / cm ^2
613	5/5/2017 10:14	PAINT	1.03	small nuild door	C	INTACT	WHITE	roof	Building H	Negative	< LOD	0.06	mg / cm ^2
614	5/5/2017 10:15	PAINT	4.1	smoke stack	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
615	5/5/2017 10:16	PAINT	1.02	WALL	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.04	mg / cm ^2
616	5/5/2017 10:17	PAINT	3.1	WALL	A	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
617	5/5/2017 10:17	PAINT	1.03	WALL	D	INTACT	WHITE	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
618	5/5/2017 10:18	PAINT	1.03	WALL	D	INTACT	grey	roof	Building H	Negative	< LOD	0.04	mg / cm ^2
619	5/5/2017 10:19	PAINT	3.26	WALL	C	INTACT	grey	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
620	5/5/2017 10:20	PAINT	1.03	FLOOR	C	INTACT	grey	roof	Building H	Negative	< LOD	0.06	mg / cm ^2
621	5/5/2017 10:20	PAINT	0.34	planters	C	INTACT	YELLOW	roof	Building H	Null	< LOD	0.26	mg / cm ^2
622	5/5/2017 10:21	PAINT	3.27	planters	C	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
623	5/5/2017 10:21	PAINT	3.27	planters	C	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.04	mg / cm ^2
624	5/5/2017 10:22	PAINT	3.27	top trim	C	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
625	5/5/2017 10:22	PAINT	3.26	top trim	D	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
626	5/5/2017 10:23	PAINT	3.26	top trim	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.05	mg / cm ^2
627	5/5/2017 10:24	PAINT	3.26	top trim	A	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
628	5/5/2017 10:24	PAINT	0.34	exhsut	A	INTACT	YELLOW	roof	Building H	Positive	< LOD	88.2	mg / cm ^2
629	5/5/2017 10:25	PAINT	0.34	exhsut	A	INTACT	WHITE	roof	Building H	Positive	< LOD	90.45	mg / cm ^2
630	5/5/2017 10:25	PAINT	0.34	exhsut	A	INTACT	WHITE	roof	Building H	Positive	< LOD	94.95	mg / cm ^2
631	5/5/2017 10:26	PAINT	0.34	exhsut	A	INTACT	black	roof	Building H	Positive	< LOD	78.45	mg / cm ^2
632	5/5/2017 10:27	PAINT	1.03	stairs	A	INTACT	black	roof	Building H	Negative	< LOD	0.2	mg / cm ^2
633	5/5/2017 10:27	PAINT	1.03	stairs	A	INTACT	black	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
634	5/5/2017 10:29	PAINT	2.91	WALL-column	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.06	mg / cm ^2
635	5/5/2017 10:29	PAINT	6.01	WALL-column	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
636	5/5/2017 10:30	PAINT	6.68	WALL-column	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.05	mg / cm ^2
637	5/5/2017 10:30	PAINT	3.27	wall-pic	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.04	mg / cm ^2
638	5/5/2017 10:31	PAINT	3.27	wall-trim	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2

Reading No	Time	Type	Duration	Component	Side	Condition	Color	Floor	Section	Results	PbC	PbC Error	Units
639	5/5/2017 10:32	PAINT	3.26	wall-facia	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.09	mg / cm ^2
640	5/5/2017 10:33	PAINT	3.1	wall-facia	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.08	mg / cm ^2
641	5/5/2017 10:33	PAINT	3.42	wall-facia	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.08	mg / cm ^2
642	5/5/2017 10:34	PAINT	4.28	wall-brick	B	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.07	mg / cm ^2
643	5/5/2017 10:34	PAINT	3.09	wall-brick	A	INTACT	YELLOW	roof	Building H	Null	< LOD	0.17	mg / cm ^2
644	5/5/2017 10:35	PAINT	4.47	wall-brick	C	INTACT	YELLOW	roof	Building H	Null	< LOD	0.05	mg / cm ^2
645	5/5/2017 10:36	PAINT	4.82	wall-brick	D	INTACT	YELLOW	roof	Building H	Negative	< LOD	0.03	mg / cm ^2
646	5/5/2017 10:36	PAINT	0.35	exhaust	D	INTACT	WHITE	roof	Building C	Positive	< LOD	100.05	mg / cm ^2
647	5/5/2017 10:38	PAINT	1.03	door	D	INTACT	YELLOW	roof	Building C	Negative	< LOD	0.03	mg / cm ^2
648	5/5/2017 10:39	PAINT	1.03	door	D	INTACT	YELLOW	roof	Building C	Negative	< LOD	0.08	mg / cm ^2
649	5/5/2017 10:39	PAINT	1.03	door	D	INTACT	RED	roof	Building C	Negative	< LOD	0.04	mg / cm ^2
650	5/5/2017 10:40	PAINT	1.03	ac	C	INTACT	RED	roof	Building C	Negative	< LOD	0.16	mg / cm ^2
706	5/5/2017 11:39	PAINT	19.3	calibration 6	D	INTACT	GREEN	THIRD	Building C	Positive	1	0.1	mg / cm ^2
707	5/5/2017 11:39	PAINT	7.56	calibration 7	D	INTACT	GREEN	THIRD	Building C	Positive	1.1	0.1	mg / cm ^2
708	5/5/2017 11:40	PAINT	10.33	calibration 8	D	INTACT	GREEN	THIRD	Building C	Positive	1	0.1	mg / cm ^2
1559	5/8/2017 08:28	SHUTTER_CAL	154.7								2.39	0	cps
1560	5/8/2017 08:36	PAINT	8.24	calibration 1						Positive	1.1	0.1	mg / cm ^2
1561	5/8/2017 08:37	PAINT	7.53	calibration 2						Positive	1.1	0.1	mg / cm ^2
1562	5/8/2017 08:37	PAINT	5.5	calibration 3						Negative	0.9	0.1	mg / cm ^2
1724	5/8/2017 10:27	PAINT	0.34	exhaust pipe	D	INTACT	WHITE	SECOND	Building B - roof	Positive	< LOD	92.85	mg / cm ^2
1725	5/8/2017 10:28	PAINT	0.17	exhaust pipe	D	INTACT	WHITE	SECOND	Building B - roof	Positive	< LOD	10.5	mg / cm ^2
1726	5/8/2017 10:29	PAINT	2.55	ac	D	INTACT	GREEN	SECOND	Building B - roof	Negative	< LOD	1.17	mg / cm ^2
1727	5/8/2017 10:29	PAINT	1.02	FLOOR	D	INTACT	WHITE	SECOND	Building B - roof	Negative	< LOD	0.12	mg / cm ^2
1728	5/8/2017 10:30	PAINT	1.03	WINDOW	D	INTACT	GREEN	SECOND	Building B - roof	Negative	< LOD	0.27	mg / cm ^2
1729	5/8/2017 10:30	PAINT	1.02	WINDOW	D	INTACT	GREEN	SECOND	Building B - roof	Negative	< LOD	0.6	mg / cm ^2
1730	5/8/2017 10:31	PAINT	1.03	WINDOW	D	INTACT	GREEN	SECOND	Building B - roof	Negative	< LOD	0.75	mg / cm ^2
1731	5/8/2017 10:31	PAINT	1.02	WINDOW	D	INTACT	GREEN	SECOND	Building B - roof	Negative	< LOD	0.06	mg / cm ^2
1732	5/8/2017 10:31	PAINT	1.02	WINDOW	D	INTACT	GREEN	SECOND	Building B - roof	Negative	< LOD	0.5	mg / cm ^2
1733	5/8/2017 10:32	PAINT	2.39	WALL	D	INTACT	TAN	SECOND	Building B - roof	Negative	< LOD	0.03	mg / cm ^2
1734	5/8/2017 10:32	PAINT	1.7	WALL	A	INTACT	TAN	SECOND	Building B - roof	Null	< LOD	0.1	mg / cm ^2
1735	5/8/2017 10:33	PAINT	1.03	WINDOW	A	INTACT	GREEN	SECOND	Building B - roof	Negative	< LOD	0.36	mg / cm ^2
1736	5/8/2017 10:33	PAINT	1.03	WINDOW	A	INTACT	GREEN	SECOND	Building B - roof	Negative	< LOD	0.38	mg / cm ^2
1737	5/8/2017 10:34	PAINT	2.06	pipe	D	INTACT	WHITE	SECOND	Building B - roof	Negative	< LOD	0.61	mg / cm ^2
1738	5/8/2017 10:35	PAINT	2.4	WINDOW	D	INTACT	GREEN	SECOND	Building B - roof	Positive	1.4	0.4	mg / cm ^2
1739	5/8/2017 10:35	PAINT	1.19	WINDOW	D	INTACT	GREEN	SECOND	Building B - roof	Negative	< LOD	0.4	mg / cm ^2
1740	5/8/2017 10:37	PAINT	1.02	WINDOW	D	INTACT	GREEN	THIRD	Building B - roof	Negative	< LOD	0.47	mg / cm ^2
1741	5/8/2017 10:37	PAINT	1.02	WINDOW	D	INTACT	GREEN	THIRD	Building B - roof	Negative	< LOD	0.7	mg / cm ^2
1742	5/8/2017 10:38	PAINT	1.02	WINDOW	D	INTACT	GREEN	THIRD	Building B - roof	Negative	< LOD	0.16	mg / cm ^2
1743	5/8/2017 10:41	PAINT	0.69	beam	B	INTACT	YELLOW	SECOND	Building B - roof	Positive	2.5	1.4	mg / cm ^2
1822	5/8/2017 11:34	PAINT	2.57	calibration 4	B	INTACT	BEIGE	FIRST	Building B - roof	Positive	1.3	0.3	mg / cm ^2
1823	5/8/2017 11:35	PAINT	9.76	calibration 5	B	INTACT	BEIGE	FIRST	Building B - roof	Positive	1	0.1	mg / cm ^2
1824	5/8/2017 11:36	PAINT	7.52	calibration 6	B	INTACT	BEIGE	FIRST	Building B - roof	Positive	1.1	0.1	mg / cm ^2
1825	5/8/2017 11:36	PAINT	10.95	calibration 7	B	INTACT	BEIGE	FIRST	Building B - roof	Positive	1	0.1	mg / cm ^2

Lead-Based Paint Standard Operating Procedures

Please review this report of a visual survey and X-Ray Fluorescence (XRF) analysis of the readily accessible areas of this building and tested components. The presence or absence of lead-based paint or lead-based paint hazards applies only to the surfaces tested or assessed on the date of the field visit. Conditions may change due to deterioration or maintenance. Ongoing monitoring by the owner is usually necessary.

Please review this report fully including any REMARKS printed on each page and call us for an explanation of any aspect of this report, written or printed, which you do not fully understand.

Methodology:

The lead-based paint survey and assessment includes the following:

Definition of Room Equivalent:

A **Room Equivalent** is a **Functional Space** and is often an identifiable part of a building, such as a room, an exterior side, or an exterior area. Hallways, stairways, and exterior areas, such as porches, loading docks, parking lots, and sides of a building, are all examples of room equivalents.

Delineation of Room Equivalents:

A room equivalent is identified as a room, a house exterior, a foyer, staircase, hallway, or an exterior area. Closets or other similar areas adjoining rooms are not considered as separate room equivalents unless they are obviously dissimilar from the adjoining room equivalent. Each room equivalent is made up of **Components**. Components may be located inside or outside a building. For example, components in a room are the ceiling, floor, walls, a door and its casing, the window sash, and window casings, etc. The **Substrate** is the material underneath the paint. Many substrates exist, however, the HUD Final Guidelines recommend classifying substrates into one of six substrate types: brick, concrete, drywall, metal, plaster, and wood. These substrate types are intended to include a broad range of materials. If the true substrate is not one of the six types, the substrate that most closely matches the true substrate is selected. For substrates on top of substrates, such as plaster on concrete, the substrate directly beneath the painted surface is used. A **Testing Combination** is characterized by the room equivalent, component, and substrate. In some cases, visible color of paint may also be used to further define unique testing combinations. The **Test Location** is a specific area on a testing combination where the XRF (x-ray fluorescence) instrument tests for lead-based paint.

Sampling Strategies:

The **Sampling Strategy** adheres to the EPA Performance Characteristic Sheet for the particular XRF instrument used, as well as the manufacture's modifications and recommendations. The XRF used for detection of lead-based paint is the NITON XL-309 Spectrum Analyzer Lead Detector. It was manufactured by NITON Corporation, 900 Middlesex Turnpike, Building 8, Billerica, MA 01821. According to the HUD Final Guidelines, a lead

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Maxwell S. Bonner, Certified LBP Firm & Risk Assessor

Certification # MS Firm PBF-00000019, PBI-00005314, PRA-00005315, License # MS-568-01

reading by XRF of 1.0 mg/ cm² or above is considered positive for the presence of lead-based paint. Below 1.0 mg/cm² is considered negative. A positive result from the XRF reflects the HUD Guidelines of 1.0 mg/ cm² or 5000 PPM or greater. In Mississippi, the level for lead based paint is 1.0mg/ cm² or 5000ppm. This may affect the method of disposal for demolition debris.

Dust Wipe Samples will be analyzed by an EPA NLLAP (National Lead Laboratory Accreditation Program) or AIHA ELLAP (Environmental Lead Laboratory Accreditation Program) approved laboratory. These confirmatory Atomic Absorption or Inductively Coupled Plasma laboratory analyses are performed on dust wipe oil samples.

Lead Exposure Limits, Clearance Levels and Other Regulations

The regulations below have been established by various organizations and regulatory bodies and are presented below. Please note that for a Lead Hazard Screen, dust wipe levels are ½ the presented values.

- 1.0 PAINT
 - 600 ppm - CPSC
 - 1.0 mg/cm² or 5,000 ppm – HUD
 - OSHA has set no LBP level – Exposure is based on activities. See below.
- 2.0 DUST
 - 40 µg/ft² - HUD Clearance for Floors {Prop. 40 HUD & 50 EPA}
 - 250 µg/ft² - HUD Clearance for Window Sills {Prop. 250}
 - 400 µg/ft² - HUD Clearance for Window Wells
 - 800 µg/ft² - HUD Clearance for Exterior Concrete
- 3.0 SOIL
 - 500 – 1000 mg/Kg (ppm) - EPA Superfund Limit
 - 400 mg/Kg (ppm) - High Contact Play Areas {Communicate}
 - 1200 mg/Kg (ppm) - Other Residential Yard Areas {Average}
 - 5000 mg/Kg (ppm) - Require Permanent Abatement
- 4.0 AIR
 - 1.5 µg/m³ - EPA National Air Quality Standard
 - 30 µg/m³ - OSHA Action Level (8 Hour Avg.)
 - 50 µg/m³ - OSHA Exposure Limit
- 5.0 BLOOD
 - 10 µg/dl (CDC) for children
 - 40 µg/dl (OSHA) Permissible Blood- Lead Level
 - 50 µg/dl (OSHA) Worker Removal - Lead Level
- 6.0 WATER
 - 15 µg/L (ppb)
- 7.0 HAZARDOUS WASTE
 - 5 ppm Leachable TCLP
- 8.0 GASOLINE
 - 0.1 g/gallon
- 9.0 CERAMIC OR POTTERY GLAZES – FDA - AOAC Method 973.32
 - 3 ppm Leachate – Plates, Saucers and other Flatware
 - 2 ppm Leachate – Small Hollowware – (Cereal Bowls)

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- 1 ppm Leachate – Large Hollowware
- 0.5 ppm Leachate – Cups, Mugs and Pitchers

10.0 OSHA RESPIRATORY PROTECTION TASK RELATED TRIGGERS (29 CFR 1926.62 & HUD Manual Chapter 9, Page 17)

- Up to 10XPEL
 - ½ face Negative Pressure APR
 - Manual Demolition
 - Manual Scraping
 - Manual Sanding
 - Heat Gun Use
 - Power Tool Paint Removal + HEPA Dust Collect
- 10X up to 50XPEL
 - Full Face Negative Pressure APR or PAPR
 - Cleanup Dry Abrasive Blasting
 - Abrasive Blasting Enclosure Movement
- Greater than 50XPEL
 - Supplied Air Respirator
 - Abrasive Blasting, Welding, Torch Burning

Chain of Custody Procedures:

The sample is placed in a proper container and given a unique identification number. This number is then entered on the chain-of-custody form which the inspector/risk assessor signs. A copy is retained and the original is sent with the sample to an accredited laboratory. Upon receipt, lab personnel verify that samples and chain-of-custody information match and sign the form. A copy is retained by the laboratory and the signed original is returned with the results to the inspector/risk assessor or their company.

Assessment Logic:

Lead-Based Paint Risk Assessment is performed by use of the following **Assessment Logic**. Any paint found to contain lead below the HUD standard of 1.0mg/cm² or state or local standard, e.g. MS 1.0 mg/cm², regardless of condition, is considered non-hazardous. Components having lead levels at or above this standard are visually assessed for condition and approximate surface area. The paint condition is placed into one of three categories using the risk assessor's professional judgment. These categories are: *intact*, *fair*, and *poor*. Type of deterioration may also be noted on surfaces in *poor* condition. Size of area of deteriorated paint need not be measured, but simply estimated. Based on the approximate surface area of deteriorated paint, the risk assessor then assesses the condition as *intact*, *fair*, or *poor*. This is performed for all painted surfaces determined to be at or above HUD standard.

Standard Operating Procedure:

Lead Based Paint testing is performed using a NITON Model 309 X-ray Fluorescence Analyzer (Serial Number: #XL309-U2036NS0496, K+L Mode, 109Cd 10mCi 10/10/00),

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Operator License: MS - 568-01, Assigned to Bonner Analytical Testing Co. Lead testing is performed in accordance with HUD Guidelines as revised 11/97 with the following procedural notes:

1.0 Room equivalents are generally listed by number, starting with the 1st room of the main entrance and proceeding clockwise on each floor. Refer to drawings to confirm room number assignments. Walls are listed in each room by letter with wall "A" being the wall of entrance, proceeding clockwise to "B, C, D", etc. Multiple components (i.e. windows or doors) are listed moving right to left along each external wall, and left to right on internal walls (e.g. moving from the "D-A" corner to the "A-B" corner).

2.0 Substrates are labeled as Brick, Concrete, Drywall, Plaster, Stucco, Wood or Metal. Concrete block or cinder block or CMU are labeled concrete. Wallpapered surfaces are examined by XRF for concealed lead based paint with postulated substrates.

Description of Paint Condition Hazard Rankings:

Hazard ranking protocol was assessed following the HUD Guidelines for Evaluation and Control of Lead Based Paint Hazards in Housing, dated June, 1995, Chapter 5: Risk Assessment; Table 5-3, Categories of Paint Film Quality. This information is summarized below.

Type of Building Component ¹	Total Area of Deteriorated Paint on Each Component		
	Intact ¹	Fair ²	Poor ³
Exterior components with large surface area	Entire surface area is intact	Less than or equal to 10 square feet	More than 10 square feet
Interior components with large surface area	Entire surface area is intact	Less than or equal to 2 square feet	More than 2 square feet
Interior and exterior components with small surface areas	Entire surface area is intact	Less than or equal to 10% of the total surface area of component	More than 10% of the total surface area or the component

NOTES:

Superscript 1 indicates the building component in this table refers to each individual component or side of the building, not the combined surface area of similar components in a room (i.e.: a wall with 1 square foot of deteriorated paint is in "fair" condition, even if the other three walls in a room are intact).

Superscript 2 indicates surfaces in "fair" condition should be repaired and/or monitored, but are not considered to be lead based paint hazards as defined by Title X.

Superscript 3 indicates surfaces in "poor" condition are considered to be lead based paint hazards as defined by Title X and should be addressed through abatement or interim controls.

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Ongoing Monitoring - Reevaluation of Dwellings and Facilities:

Reevaluations are risk assessments which include detailed visual examination of paint films and existing hazard controls as well as dust and soil sampling. Recommended reevaluations follow HUD Guidelines Table 6.1 (copy attached in Appendix)

Standard Reevaluation Schedules

Table 6.1: Standard Reevaluation Schedule (see notes to Table 6.1)

Schedule	Evaluation Results	Action Taken	Reevaluation Frequency	Visual Survey (by owner or representative)
1	Combination risk assessment/inspection finds no leaded dust or soil and no lead-based paint	None	None	None
2	No lead-based paint hazards found during risk assessment conducted before hazard control or at clearance (hazards include dust and soil).	None	3 Years	Annually and whenever information indicates a possible problem
3	The average of leaded dust levels on all floors, interior window sills, or window troughs samples exceeds the applicable standard, but by less than a factor of 10.	• Interim controls and/or hazard abatement (or mixture of the two), including but not necessarily limited to, dust removal. This schedule does not include window replacement. • Treatments specified in section A plus replacement of all windows with lead hazards • Abatement of all lead-based paint using encapsulation or enclosure. • Removal of all lead-based paint.	1 Year 2 Years 1 Year None None	Same as schedule 2, except for encapsulants. The first visual survey of encapsulants should be done one month after clearance; the second should be done six months later and annually thereafter. Same as Schedule 3 above None
4	The average of leaded dust levels on all floors, interior window sills, or window troughs samples exceeds	• Interim controls and/or hazard abatement (or mixture of the two), including but not necessarily	6-Mos., 1 Year, 2 Years	Same as Schedule 3

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	the applicable standard by a factor of 10 or more.	limited to, dust removal. This schedule does not include window replacement. • Treatments specified in section A plus replacement of all windows with lead hazards • Abatement of all lead-based paint using encapsulation or enclosure. • Removal of all lead-based paint.	6 Mos., 2 Years None None	Same as Schedule 3 Same as Schedule 3 None
5	No leaded dust or leaded soil hazards identified, but lead-based paint hazards are found.	• Interim controls or mixture of interim controls and abatement (not including window replacement). • Mixture of interim controls and abatement, including window replacement • Abatement of all lead-based paint hazards, but not all lead-based paint. • Abatement of all lead-based paint using encapsulation or enclosure • Removal of all lead-based paint	2 Years 3 Years 4 Years None None	Same as Schedule 3 Same as Schedule 3 Same as Schedule 3 Same as Schedule 3 None
6	Bare leaded soil exceeds standard, but less than 5,000ug/g.	Interim Controls	None	3 Months to check new ground cover, then annually to identify new bare spots
7	Bare leaded soil greater than or equal to 5,000ug/g.	Abatement (paving or removal)	None	None for removal, annually to identify new bare spots or deterioration of paving

Notes to Table 6.1

1.0 When more than one schedule applies to a dwelling, use the one with the most stringent reevaluation schedule. Do not use the results of a reevaluation for Schedule 2.

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- 2.0 A lead-based paint hazard includes deteriorated lead-based paint and leaded dust and soil above applicable standards.
- 3.0 The frequency of reevaluations and the interval between reevaluation depends on the findings at each reevaluation and the action taken. For example, a dwelling unit or common area falling under Schedule 3.A would be reevaluated one year after clearance. If no lead-based paint hazards are detected at the time, the unit or area would be reevaluated again two years after the first reevaluation. If no hazards are found in the second reevaluation, no further reevaluation is necessary, but annual visual monitoring should continue.
- 4.0 If, on the other hand, the unit or common area fails a reevaluation, a new reevaluation schedule should be determined based on the results of the reevaluation and the action taken. For instance, if the reevaluation finds deteriorated lead-based paint but no lead-contaminated dust, and the action taken is paint stabilization, Schedule 5A would apply, which indicates that the next reevaluation should be in two years. If, however, the owner of this same property decides to abate all lead-based paint hazards instead of doing only paint stabilization, the property would move to Schedule 5.C, which calls for reevaluation four years from the date of clearance after the hazard abatement.
- 5.0 Following another scenario, suppose a reevaluation of this same dwelling unit or common area finds that the average lead dust levels on samples window troughs exceeds the applicable standard by a factor of 10 or more, but no other lead-based paint hazards. The owner conducts dust removal. In this case the next reevaluation would be six months after clearance.
- 6.0 The initial evaluation results determine which reevaluation schedule should be applied. An initial evaluation can be a risk assessment, a risk assessment/inspection combination, or, if the owner has opted to bypass the initial evaluation and proceed directly to controlling suspected hazards, a combination risk assessment/clearance examination. This type of clearance must be conducted by a certified risk assessor, who should determine if all hazards were in fact controlled. The results of the initial clearance dust tests, soil sampling and visual examination should be used to determine the appropriate schedule. If repeated cleaning was necessary to achieve clearance, use the results of the dust tests before repeated cleaning was performed for schedule determination.
- 7.0 If a unit fails two consecutive reevaluations, the reevaluation interval should be reduced by half and the number of reevaluation should be doubled. If deteriorated lead-based paint hazards continue to occur, then the offending components/surfaces should be abated. If dwellings with dust hazards but no paint-related hazards repeatedly fail reevaluation, the exterior source should be identified (if identification efforts fail, regular dust removal efforts are needed).

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Certification # MS Firm PBF-00000019, PBI-00005314, PRA-00005315, License # MS-568-01



STATE OF MISSISSIPPI

PHIL BRYANT
GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

GARY C. RIKARD, EXECUTIVE DIRECTOR

March 31, 2017

Maxwell S Bonner
Bonner Analytical Testing Company
2703 Oak Grove Road
Hattiesburg, Mississippi 39402

Re: Certificate of Licensure
Lead Risk Assessor Certification

Your application for certification as a Lead Risk Assessor has been approved by the Lead Certification Branch in accordance with the Mississippi Regulations for Lead-Based Paint Activities, Miss. Code Annotated Sections 49-17-501 through 49-17-531. Your Mississippi Certification number is PRA-00005315 which is reflected on your enclosed Mississippi Certification identification card or certificate.

Your Mississippi Certification is valid through Mar 30th, 2018. In order to maintain certification as a Lead Risk Assessor, you must renew your license on or before the expiration date stated on your card or certificate and pay the renewal fee. If you should continue to perform lead-based paint activities after the expiration date, you will be in violation of the Mississippi Regulations for Lead-Based Paint Activities and may be cited for non-compliance.

It is your responsibility to ensure that you have met all the requirements for renewal of your lead certification.

If you have any questions, please feel free to contact Virginia Rickels at (601) 961-5777.

Sincerely,

A handwritten signature in blue ink, appearing to read "Connie Simmons".

Mr. Connie Simmons, P.E., Chief
Asbestos & Lead Certification Branch

Enclosure

62763 LIC20170002

OFFICE OF POLLUTION CONTROL

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STATE OF MISSISSIPPI

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GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

GARY C. RIKARD, EXECUTIVE DIRECTOR

March 31, 2017

Maxwell S Bonner
Bonner Analytical Testing Company
2703 Oak Grove Road
Hattiesburg, Mississippi 39402

Re: Certificate of Licensure
Lead Inspector Certification

Your application for certification as a Lead Inspector has been approved by the Lead Certification Branch in accordance with the Mississippi Regulations for Lead-Based Paint Activities, Miss. Code Annotated Sections 49-17-501 through 49-17-531. Your Mississippi Certification number is PBI-00005314 which is reflected on your enclosed Mississippi Certification identification card or certificate.

Your Mississippi Certification is valid through Mar 30th, 2018. In order to maintain certification as a Lead Inspector, you must renew your license on or before the expiration date stated on your card or certificate and pay the renewal fee. If you should continue to perform lead-based paint activities after the expiration date, you will be in violation of the Mississippi Regulations for Lead-Based Paint Activities and may be cited for non-compliance.

It is your responsibility to ensure that you have met all the requirements for renewal of your lead certification.

If you have any questions, please feel free to contact Virginia Rickels at (601) 961-5777.

Sincerely,

A handwritten signature in blue ink, appearing to read "Connie Simmons".

Mr. Connie Simmons, P.E., Chief
Asbestos & Lead Certification Branch

Enclosure

62763 LIC20170001

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STATE OF MISSISSIPPI
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GARY C. RIKARD, EXECUTIVE DIRECTOR

March 31, 2017

Bonner Analytical Testing Company
2703 Oak Grove Road
Hattiesburg, Mississippi 39402

Re: Certificate of Licensure
Lead Based Abatement Firm Certification

Your application for certification as a Lead Based Abatement Firm has been approved by the Lead Certification Branch in accordance with the Mississippi Regulations for Lead-Based Paint Activities, Miss. Code Annotated Sections 49-17-501 through 49-17-531. Your Mississippi Certification number is PBF-00000019 which is reflected on your enclosed Mississippi Certification identification card or certificate.

Your Mississippi Certification is valid through Mar 30th, 2018. In order to maintain certification as a Lead Based Abatement Firm, you must renew your license on or before the expiration date stated on your card or certificate and pay the renewal fee. If you should continue to perform lead-based paint activities after the expiration date, you will be in violation of the Mississippi Regulations for Lead-Based Paint Activities and may be cited for non-compliance.

It is your responsibility to ensure that you have met all the requirements for renewal of your lead certification.

If you have any questions, please feel free to contact Virginia Rickels at (601) 961-5777.

Sincerely,

A handwritten signature in blue ink, appearing to read "Connie Simmons".

Mr. Connie Simmons, P.E., Chief
Asbestos & Lead Certification Branch

Enclosure

48517 LIC20170001

State of Mississippi

*Department of Environmental Quality
Office of Pollution Control*

Certificate of Licensure

In accordance with the Lead-Based Paint Activity Accreditation and Certification Act,
Mississippi Code Annotated Sections 49-17-501 through 49-17-531

Be it known that

Bonner Analytical Testing Company

Having submitted acceptable evidence of qualifications and other
appropriate information, is hereby granted this

Lead Based Abatement Firm

Certification



***Certificate No.: PBF-00000019
Expiration Date: Mar 30th, 2018***

Chief, Asbestos & Lead Certification Branch

Certification Signature Page

Inspection Certified By: Maxwell S. Bonner

Inspector/Risk Assessor:

Views in this statement are based upon guidelines and recommendations given in the U.S. Department of Housing and Urban Development *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* Rev. 1997.

Total Number of Pages: **83**

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Prepared By:

Maxwell S. Bonner, Certified LBP Firm & Risk Assessor
Certification # MS Firm PBF-00000019, PBI-00005314, PRA-00005315, License # MS-568-01

REPORT OF AN ASBESTOS INSPECTION

At

The Former
City of Hattiesburg
Police Department
701 James Street

Located in
Forrest County
Hattiesburg, MS

Presented to:

Larry Albert
Albert & Associates Architects
514 Main Street
Hattiesburg, MS

Prepared by:



Michael S. Bonner, Ph.D.

BONNER ANALYTICAL TESTING COMPANY
2703 OAK GROVE ROAD
HATTIESBURG, MS 39402

May, 2017

1. INTRODUCTION

At the request of Larry Albert with Albert & Associates Architects, Bonner Analytical Testing Company performed an asbestos inspection of the City of Hattiesburg Police Department facility located at 701 James Street in Hattiesburg, MS in Forrest County. Mr. Albert requested the asbestos inspection on behalf of Southern Mississippi Investment Inc. The building is scheduled for renovation/demolition. This investigation was conducted between April 29, 2017 and May 19, 2017.

2. SCOPE OF WORK

2.1. Based on drawings from Architects, The City of Hattiesburg and on-site inspections, the building was divided into sections as follows:

2.1.1. Building “H” – Original construction from 1926, scheduled for renovation. The building orientation lengthwise is East/West and is unoccupied. Components of this structure are as follows.

2.1.1.1. First floor - H

2.1.1.1 Second floor - H

2.1.1.2 Third floor – H

2.1.1.3 Roof – H

2.1.1.4 Roof Mechanical Room - H

2.1.2 Building “B” – For the sake of this inspection report, this is all of the construction components “south” of Building “H”. The components of this building are as follows:

2.1.2.1 Basement – B: Original construction. Approximately 45’ wide by 150’ long on the west side of building “B”.

2.1.2.2 First Floor – B Located above Basement – B original construction except the southern most end which is a more recent addition.

2.1.2.3 First Floor Kitchen – B: Original construction. Located south of and mid-way of building “H”. This is a one story component 65’ by 50’.

2.1.2.4 Boiler Room – B: Original construction. Located 60’ due south of the Original Kitchen. This is a one story 37’ by 37’ building

2.1.2.5 East Addition – B: Located east of the Kitchen and south of building “H”. This component is 35’ by 90’ and is one story. Again this is a more recent addition

2.1.2.6 North Breeze Way Addition – B: Located between the Kitchen - B and the First floor - B. Approximately 10’ by 60’ and this component connects the Kitchen to the north east wall of the First floor - B.

2.1.2.7 South Addition – B: Located south of the Kitchen. This addition extends from the First Floor east to the East Addition then south to the Boiler room.

2.1.2.8 South Breeze Way Addition - B Located adjacent to the First Floor. Approximately 18’ by 60’ and beginning at the southeast corner of the First Floor and extending north for 60’.

Note: Additions 2.1.2.5 – 2.1.2.8 may be the same construction project.

2.1.2.9 Second Floor Addition - B: Located above First Floor - B.

2.1.2.10 Kitchen Roof – B: Original construction.

2.1.2.11 Second Floor Addition Roof – B: Newer construction.

2.1.3 Building “C” – This is the 1960 addition and is located north of building “H”. The building orientation lengthwise is North/South and was occupied by HPD. Components of this structure are as follows.

2.1.3.1 First Floor - C

2.1.3.2 Second Floor - C

2.1.3.3 Third Floor - C

2.1.3.4 Roof - C

2.1.3.5 Room Mechanical Room - C.

- 2.2 Drawings – As drawn plans were field modified to reflect as built or as remodeled. All rooms were numbered on drawing to assist remediation teams in locating ACBM.
- 2.3 Room numbering – Each room in each of the building components was hand numbered using marking pens to assist remediation teams in ACBM removal.
- 2.4 Each sample location has a numbered vinyl tag place in close proximity to the sample collection point and there is a digital photograph of each sample location.
- 2.5 All Sample locations containing Asbestos have been marked with red paint or red tape except for plaster and sheet rock, **all of which contain asbestos.**
- 2.6 The approximate volume, linear feet, or square feet of each ACBM has been provide in spread sheet form along with asbestos concentrations and building material descriptions.
- 2.7 Exceptions – There are original walls that appear to be hidden/encased; these areas have not been evaluated as they were inaccessible See Appendix. They are as follows:
 - 2.7.1 Building “B”, original 1926 construction Kitchen east, west and south walls
 - 2.7.2 Building “B”, original 1926 construction First Floor – B. East, west and (original) south wall.
 - 2.7.3 Building “H” original 1926 construction First Floor – H. South wall. Beginning at the northwest corner of the original 1926 Kitchen and extending west to the north east corner of First Floor - B
 - 2.7.4 Each floor and roof has been tested as a separate unit. Example if the green paint on First floor is hot, the sample points will be designated in red. If there was green paint on the second floor; the second floor paint was also tested and if it was “not hot” the sample locations for it would not be painted red.

3. DISCLAIMER

This Asbestos inspection of component building materials was conducted in accordance with NESHAP guidelines and various EPA guidance documents by Asbestos inspectors certified by the State of Mississippi and its Department of Environmental Quality. Samples were collected in the appropriate numbers from homogeneous areas. Some areas in the building may have been inaccessible or hidden and were not sampled.

Samples were analyzed by Bonner Analytical Testing Company in accordance with approved EPA methodologies. Split confirmation samples were submitted to EMSL for evaluation by Transmission Electron Microscopy (TEM). Results provide by EMSL compared well with results provided by Bonner.

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4. APPENDICES

4.1. Appendix A - Site Map

4.2. Appendix B - Field Modified Building Drawings with Field Assigned Room Numbers

4.3. Appendix C – Hidden Walls

4.4. Appendix D - Hot Spots Building C

4.5. Appendix E – Hot Spots Building H

4.6. Appendix F - Hot Spots Building B

4.7. Appendix G – Sample Results for All Samples Collected With Sample Description and Location

4.8. Appendix H – Sample Location Digital Photographs

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5. SITE DESCRIPTION

The subject of this asbestos inspection was the City of Hattiesburg Police Department located at 701 James Street in Hattiesburg, MS which is in Forrest County. See Appendix A

6. OVERVIEW OF THE INSPECTION PROCESS

The inspection process involves acquiring core samples from various surfaces of the facility that may potentially be asbestos containing material (ACM). Areas of concern (AOCs) include, but are not limited to, the following:

1. Thermal systems and insulation
2. Surface materials that are sprayed or troweled on
3. Miscellaneous
 - a. Flooring materials and mastic
 - b. Ceiling material
 - c. Electrical insulation
 - d. Wall materials (to include drywall)
 - e. Window caulk, sealants and putties
 - f. Unexposed materials

Core samples collected from homogeneous areas are identified by sample numbers, a narrative description and location with sample locations identified on building drawings, if available. Estimated quantity and condition of ACM are also given.

After samples are collected and archived, they are transported to the laboratory with the appropriate chain of custody and analyzed for ACM via Polarized Light Microscopy (PLM).

7. DATA SUMMARY

Analytical test results from all homogeneous areas identified are presented in appendices.

Homogeneous areas that are suspected to contain ACM are listed in the Site Description.

There **was Asbestos** found in samples of material associated with this location.

8. DEMOLITION RECOMMENDATIONS

This particular project would require written advance notification to the MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY (MSDEQ). The contact person is Mr. Bickham Forshee (Telephone: 601-961-5769).

The OSHA Right-To-Know law should be adhered to. This law requires the contractor to advise all workers of the presence of asbestos in the area in which they are working. It is suggested that the owner require the contractor to present evidence the contractor has complied with this regulation.

A suggestion form for notification purposes is found later in this report.

9. SAMPLE NOTIFICATION TO WORKERS

TO WHOM IT MAY CONCERN:

It has been determined by laboratory analysis that asbestos **IS** present in samples associated with the facility that is the City of Hattiesburg Police Department and is located at 701 James Street in Hattiesburg, MS Forrest County.

All workers should avoid cutting, sawing, crushing or pulverizing any of asbestos-containing materials unless they are accredited to work with asbestos.

10. SAMPLE CONTRACTOR'S FORM

I have notified all workers of the **presence** of asbestos containing materials at the facility located at 701 James Street in Hattiesburg, MS in Forrest County.

All workers have been cautioned to avoid cutting, sawing, crushing or pulverizing any of the asbestos-containing materials.

Contractor

Date

11. METHODOLOGIES

Analytical Instrument: Olympus BH2 Polarized Light Microscope

Analytical Method: EPA/600/R93/116 400

The EPA 400 Point Count Method is available on request

Analytical Method: EPA-600/M4-80-020

Laboratory is not responsible for sampling techniques unless Bonner personnel collect...

Test report relates only to items tested.

All samples are disposed of 30 days after completion of analysis.

Analysis of floor tile or any other resinously bound materials by polarized light microscopy (PLM) using EPA Method EPA/600/R93/116 400, December 1982 may yield false-negative results because of method limitations in separating closely bound fibers from matrix material and in detecting fibers of small length and/or diameter. When analysis of such materials by the EPA PLM Method yields negative results for the presence of asbestos we recommend utilizing alternative methods of identification such as Transmission Electron Microscopy (TEM).

ABBREVIATIONS USED

ND = None Detected

C = Chrysotile

A = Amosite

SF = Synthetic Fiber

NFU = Non Fibrous Unknown

B = Binder

FG = Fiberglass

MW = Mineral Wool

M = Mica

Q = Quartz

12. DEMOLITION/RENOVATION NOTIFICATION FORM

STATE OF MISSISSIPPI DEMOLITION/RENOVATION NOTIFICATION FORM

Please type or print legibly.
Incomplete notices will not meet notification requirements.

I. TYPE OF NOTICE:

Original ____ Revision ____ Info.
Canceled ____ Annual ____ Only ____

II. TYPE OF PROJECT:

Renovation ____ Ordered Demolition ____ Emergency
Demolition ____ Renovation ____

III. SITE INFORMATION:

Name _____
Description _____
Address _____
City _____ County _____ State _____ Zip _____
Contact Person _____ Telephone _____

IV. OWNER INFORMATION:

Name _____
Full Mailing Address _____
Contact Person _____ Telephone _____

V. ASBESTOS REMOVAL CONTRACTOR:

Name _____
Certification No. _____ Exp. Date _____
Full Mailing Address _____
Contact Person _____ Telephone _____

VI. CONTRACTOR (Other):

Name _____
Full Mailing Address _____
Contact Person _____ Telephone _____

VII. ASBESTOS REMOVAL PROJECT DATES (MM/DD/YY):

Project Start: // Removal Project Stop: //

VIII. DEMOLITION/RENOVATION PROJECT DATES (MM/DD/YY):

Project Start: // Project Stop: // Prep. Date: //

IX. BUILDING INFORMATION:

Bldg Size (Sq.ft) _____ Age in Years _____ Present Use _____
Bldg Size (Ln ft) _____ No. of Floors _____ Prior Use _____

STATE OF MISSISSIPPI DEMOLITION/RENOVATION FORM - CONTINUED

X. ASBESTOS INSPECTION:

Was site inspected to determine presence of Asbestos? YES ___ NO ___
Inspection Date _____ Asbestos Present? YES ___ NO ___
Inspector _____ Cert. No. _____ Exp. Date _____
Identify suspect materials sampled _____
Laboratory Analysis TEM _____ PLM _____ Other _____
Name of Laboratory _____

XI. QUANTITY OF RACM TO BE REMOVED:

Pipes (Ln Ft) _____ Surface Area (Sq Ft) _____
Volume of Facility Components (Cu ft) _____

XII. QUANTITY OF NONFRIABLE ASBESTOS - ___ NOT REMOVED ___ TO BE REMOVED:

Category I _____ Category II _____

XIII. WASTE TRANSPORTER:

Name _____
Full Mailing Address _____
Contact Person _____ Telephone _____

XIV. WASTE ASBESTOS DISPOSAL SITE:

Name _____
Physical Location _____
Full Mailing Address _____
Contact Person _____ Telephone _____

*All asbestos waste should go to a permitted sanitary landfill.

XV. DISPOSAL SITE FOR DEMOLITION DEBRIS (Other than Asbestos):

Name _____
Physical Location _____
Full Mailing Address _____
Contact Person _____ Telephone _____

*All demolition debris other than asbestos should go to an authorized rubbish site, or to a permitted sanitary landfill.

XVI. REMOVAL/DEMOLITION PROCEDURES TO BE USED (Check all that apply):

___ Strip & Removal ___ Double Bagging ___ Mechanical Chipping
___ Component Removal ___ Wrecking Ball ___ Gross Demolition
___ Remove Intact ___ Bulldozer ___ Containment
___ Glove Bag ___ Explode ___ Negative Air
___ Wet Method ___ Roofing Saw ___ Other- Explain Below:

XVII. DESCRIPTION OF PLANNED DEMOLITION OR RENOVATION WORK:

STATE OF MISSISSIPPI DEMOLITION/RENOVATION FORM - CONTINUED

XVIII. PROCEDURES TO BE FOLLOWED IF UNEXPECTED ACM IS FOUND OR NONFRIABLE
ACM BECOMES CRUMBLLED, PULVERIZED, OR REDUCED TO A POWDER OR SMALL PIECES:

* Will MDEQ be notified of any significant changes? YES___ NO___

XIX. IF DEMOLITION ORDERED BY A GOVERNMENT AGENCY, IDENTIFY AGENCY BELOW:

Name _____ Title _____

Authority _____

Date of Order _____ Date Demolition to Begin _____

XX. EMERGENCY DEMOLITION/RENOVATIONS:

Date of Emergency: / / Time _____

Description of the sudden, unexpected event:

Explanation of how the event caused unsafe conditions or would cause equipment damage or
unreasonable financial burden:

XXI. When Asbestos-Containing Material is present an individual trained _____ in the provisions of the
regulation (40 CFR 61 SUBPART M) will be on site during demolition or renovation and evidence that
the required training has been accomplished by this person will be available for inspection during
normal business hours.

I CERTIFY THAT ALL OF THE ABOVE INFORMATION IS CORRECT

Type or Print Name and Title

Signature

Date

Mail to: Office of Pollution Control
P O Box 10385
Jackson, MS 39289-0385

Telephone: (601) 961-5171

NOTICE

THE MISSISSIPPI DEPARTMENT OF ENVIRONMENT QUALITY'S ASBESTOS REGULATIONS APPLY TO BUILDING DEMOLITION AND RENOVATIONS AND REQUIRE:

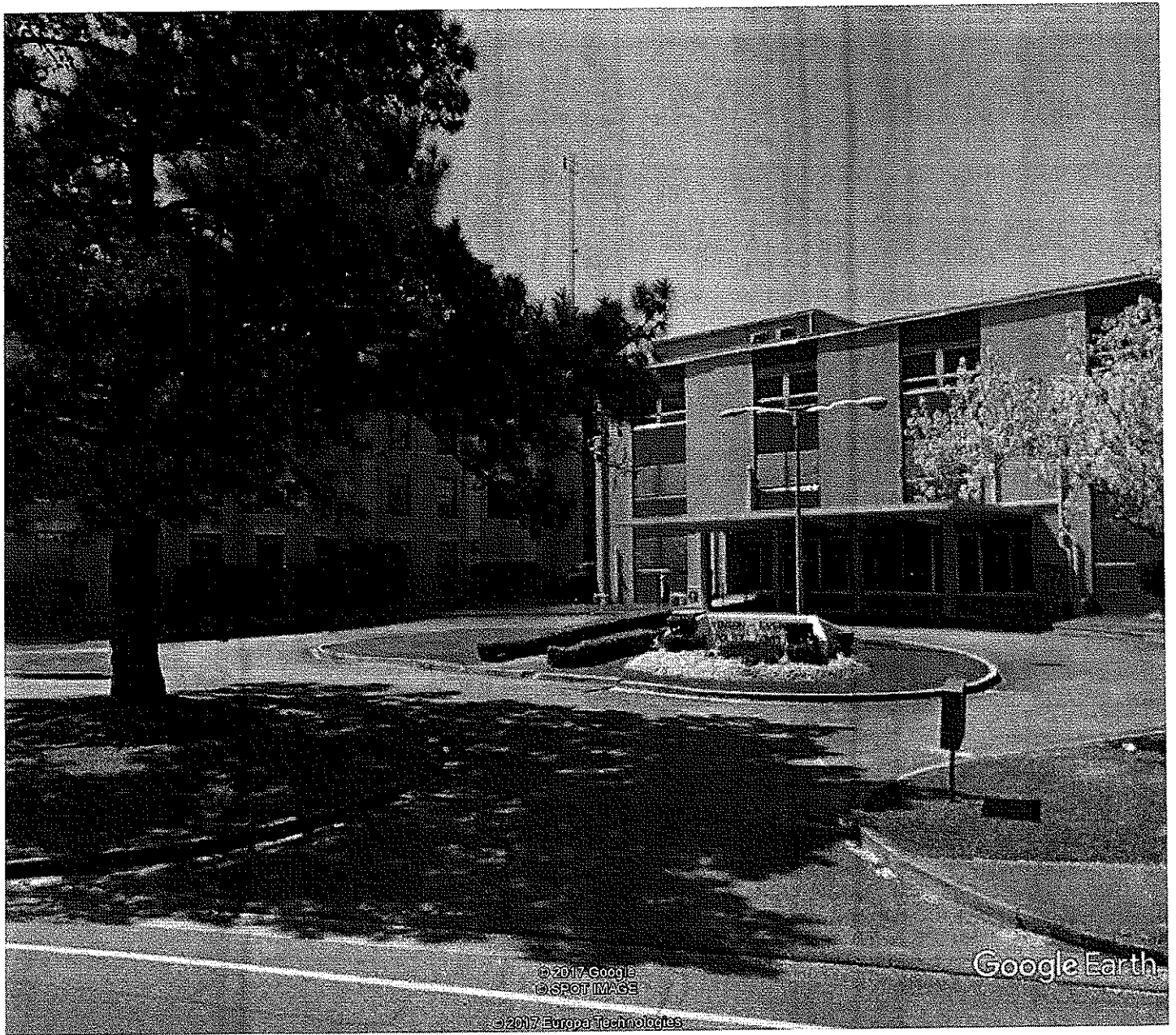
- Pre-demolition and Pre-renovation Inspection to determine presence and required treatment of asbestos containing materials.
- Use of certified personnel for inspections and certain asbestos abatement activities.
- Filing a Demolition/Renovation Notification with the Mississippi Department of Environmental Quality ten (10) working days prior to work beginning on demolitions and on any renovation involving disturbance of more than 160 square feet, 260 linear feet or 35 cubic feet of regulated asbestos containing materials.
- NOTE: Residential buildings having four or fewer dwelling units are excluded from regulations provided future use of the property remains residential.
- The EPA has determined that residential buildings are not excluded from the regulations when the demolition or renovation operation is under the control of a local government and also when the operation is part of a public, private, or commercial development.

OWNERS OR CONTRACTORS SHOULD CONTACT:
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
2380 HIGHWAY 80 WEST
P.O. BOX 10385
JACKSON, MS 39289-0385
(601) 961-5171

Asbestos inspections by certified personnel are mandated by the Mississippi Department of Environmental Quality (MDEQ) when buildings are renovated or demolished.

Prior to any renovation, demolition or removal of any materials from this site, the Mississippi Department of Environmental Quality must be notified of the findings from this inspection.

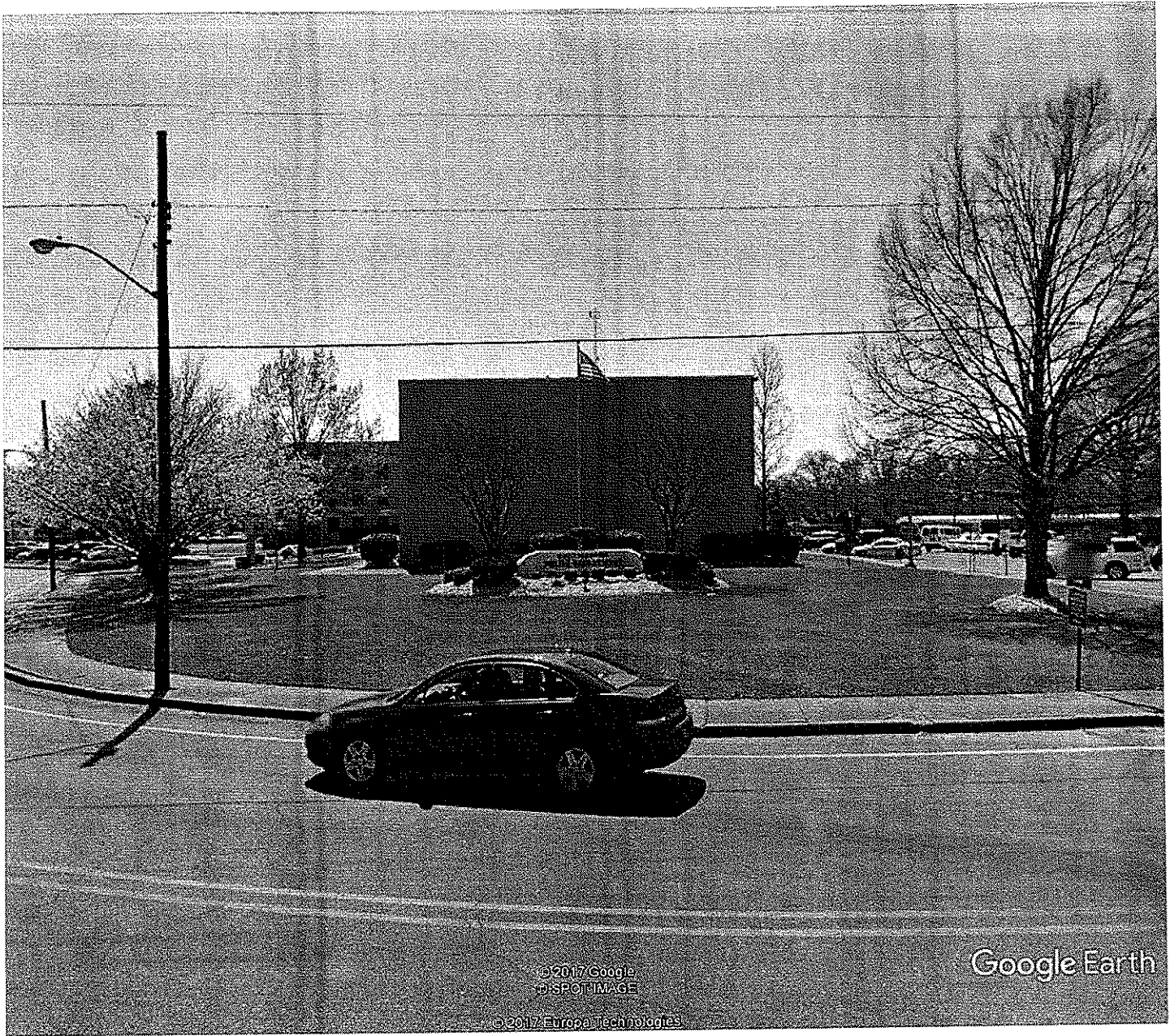
APPENDIX A



Google Earth

feet 10
meters 3





©2017 Google
DISPOT IMAGE

©2017 Europa Technologies

Google Earth

Google Earth

feet 10
meters 3





Google Earth

feet 100
meters 30



APPENDIX B

1st floor
"C" Building

Room in office

conference room

Chief's office

Asst. Chief
Mischewitz

107A

MAT. S.M.S.

108A

storage

109A

110A

111A

112A

113A

114A

115A

116A

117A

118A

119A

120A

121A

122A

123A

124A

125A

126A

127A

128A

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408A

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415A

416A

417A

418A

419A

420A

421A

422A

423A

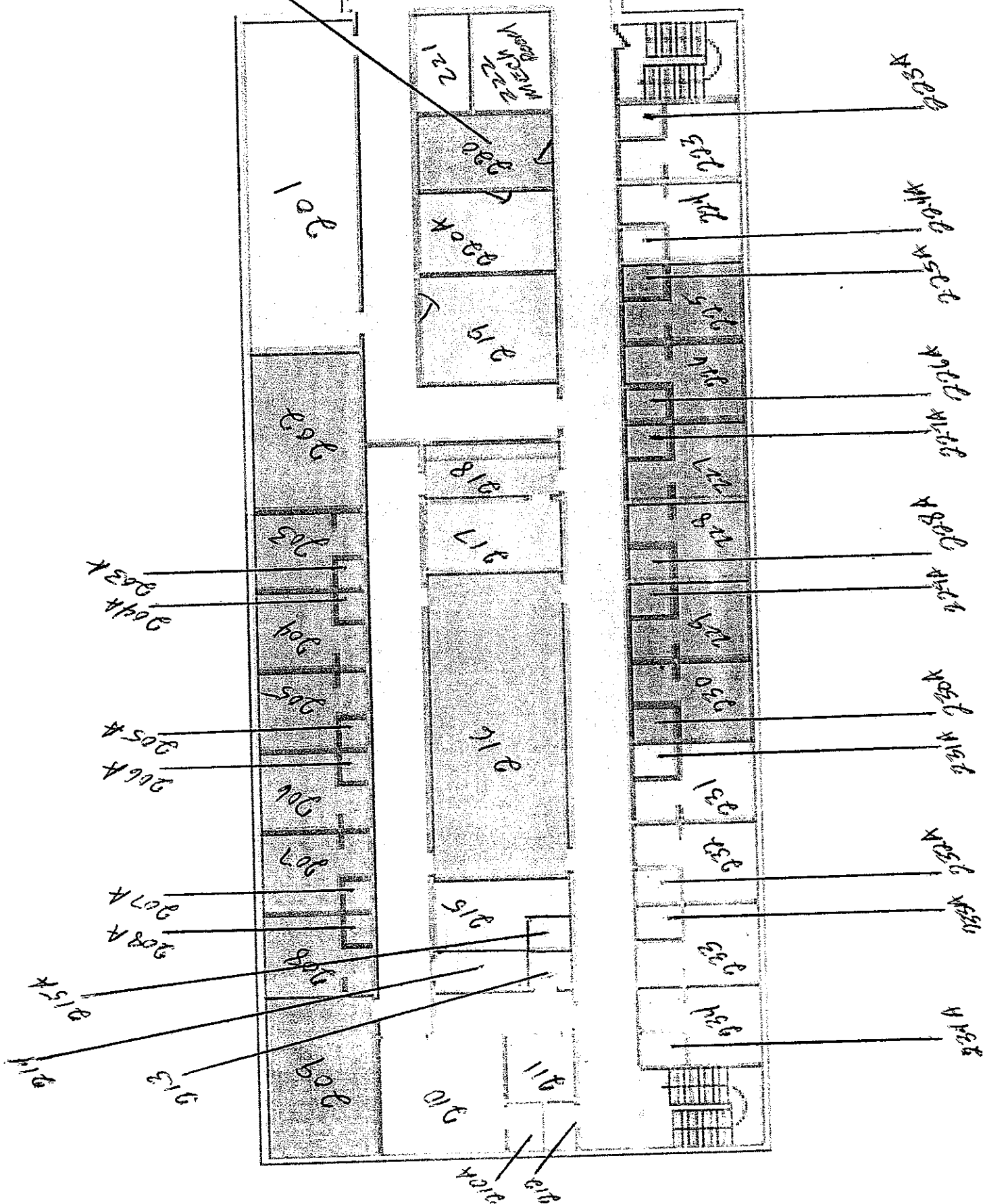
424A

425A

2nd Floor
Building

LOCATED ROOM

←
HALL
STAIRS
ELEVATOR



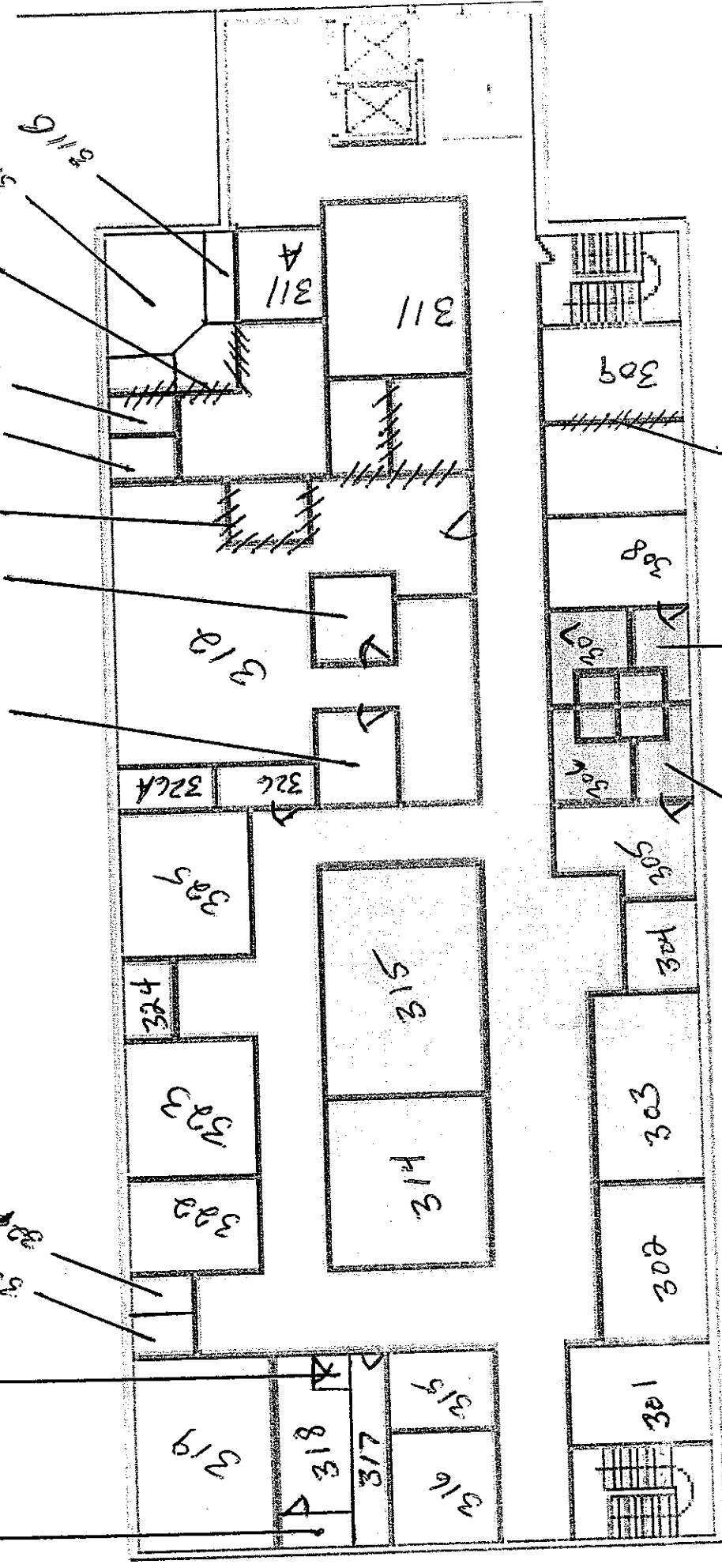
3200

311G
311C
WALLS gone

311D
311E
WALLS gone

312A
312B

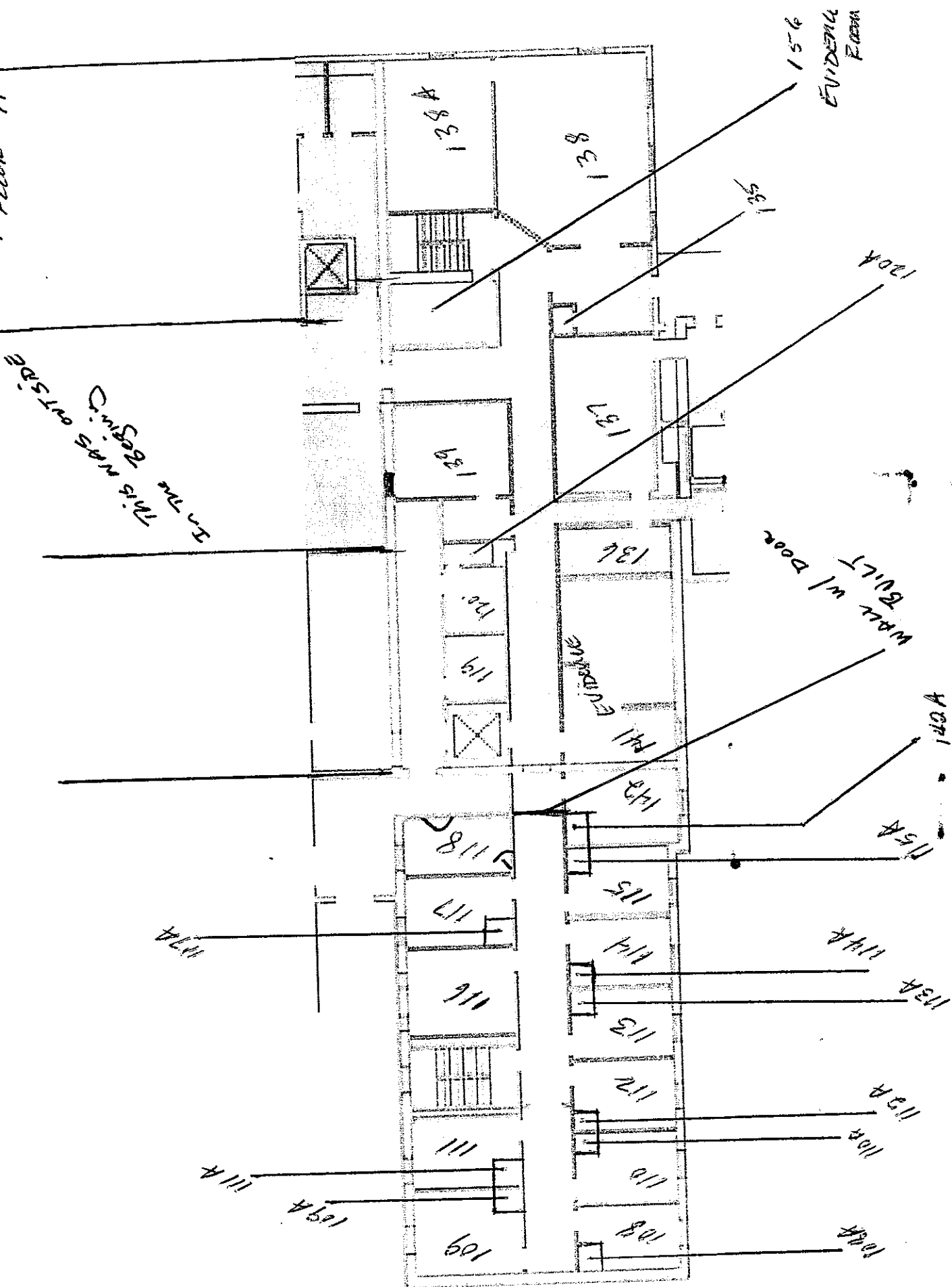
318A
318B
320A
320B

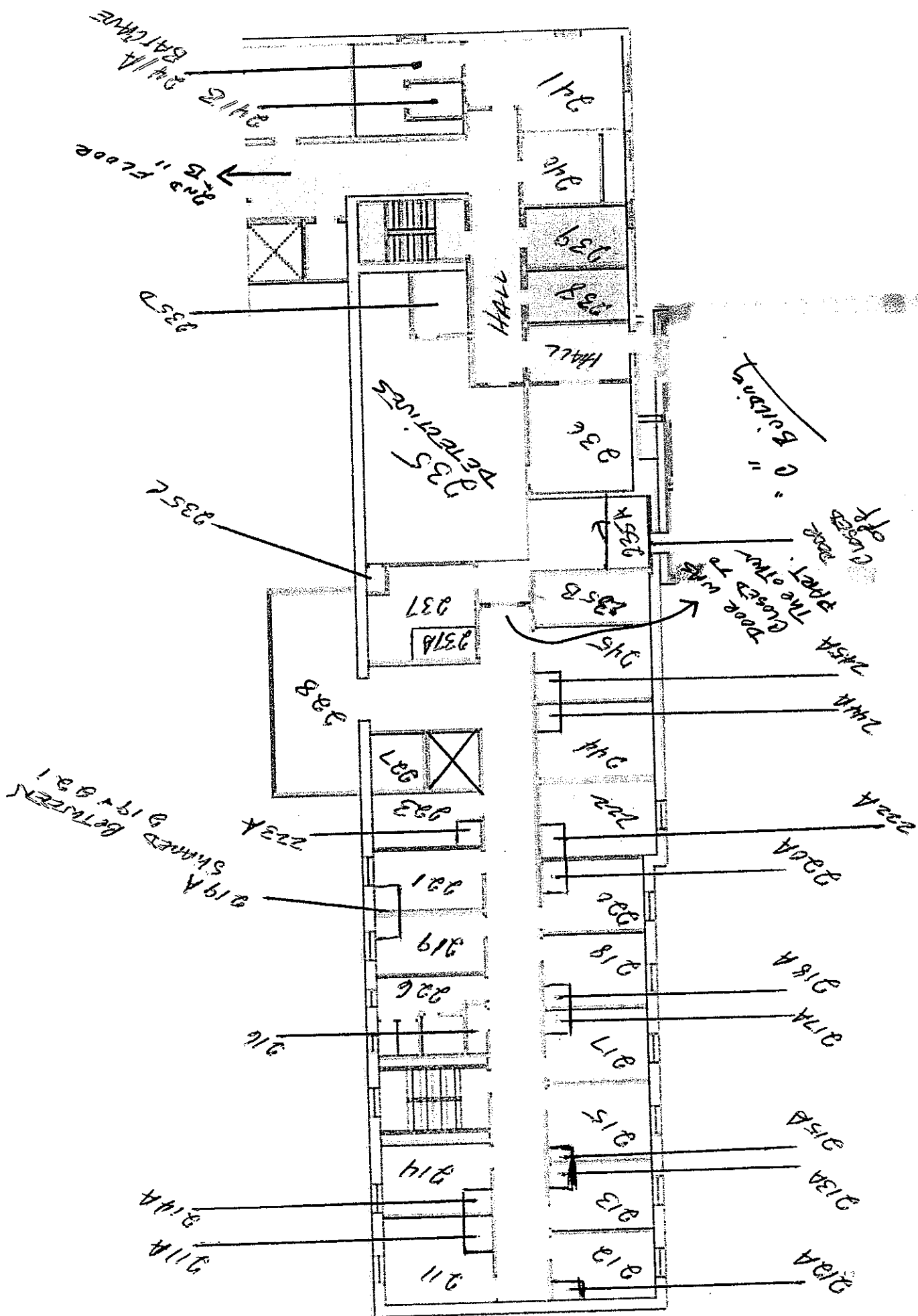


This wall is gone

308A

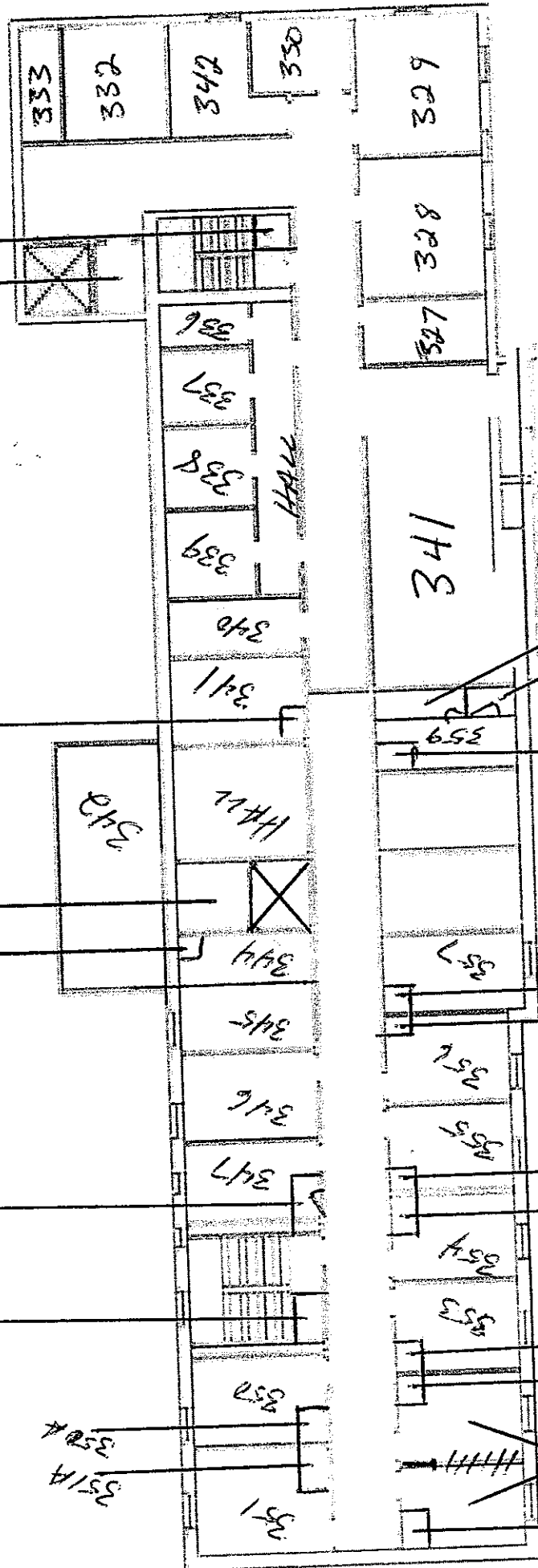
305A





ROOF ACCESS LADDER

334



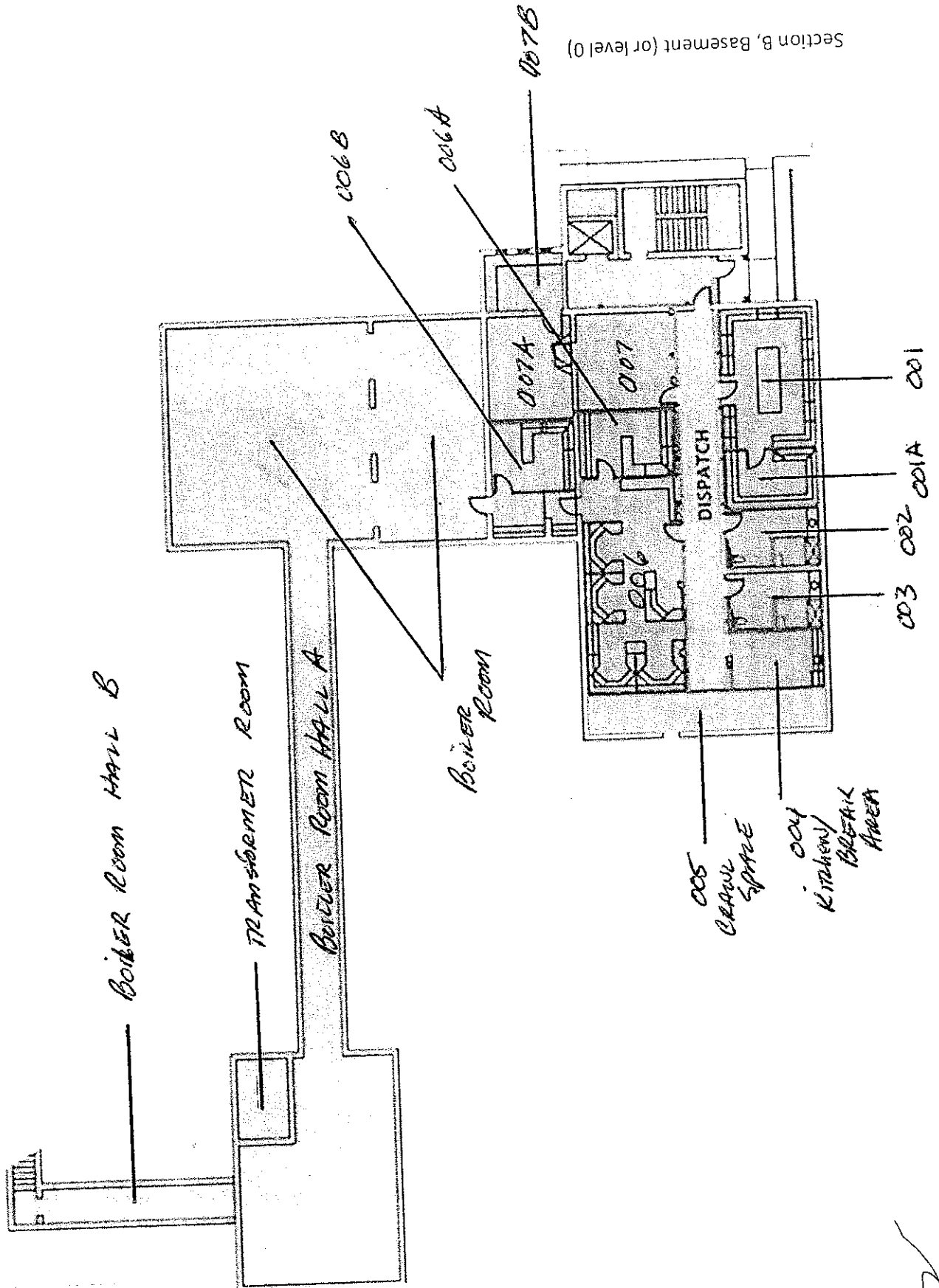
343
344A
344B

348

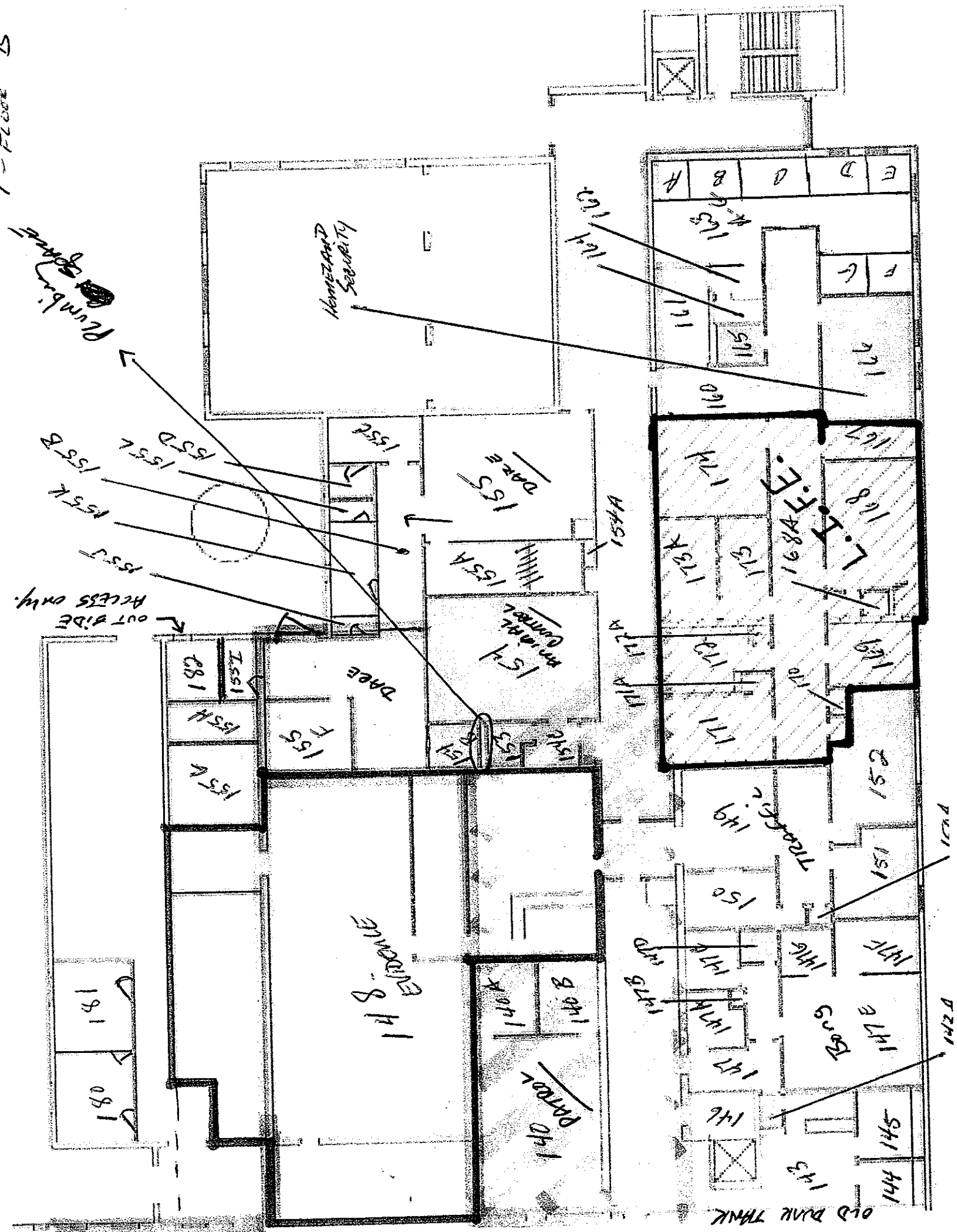
349

351A
351B

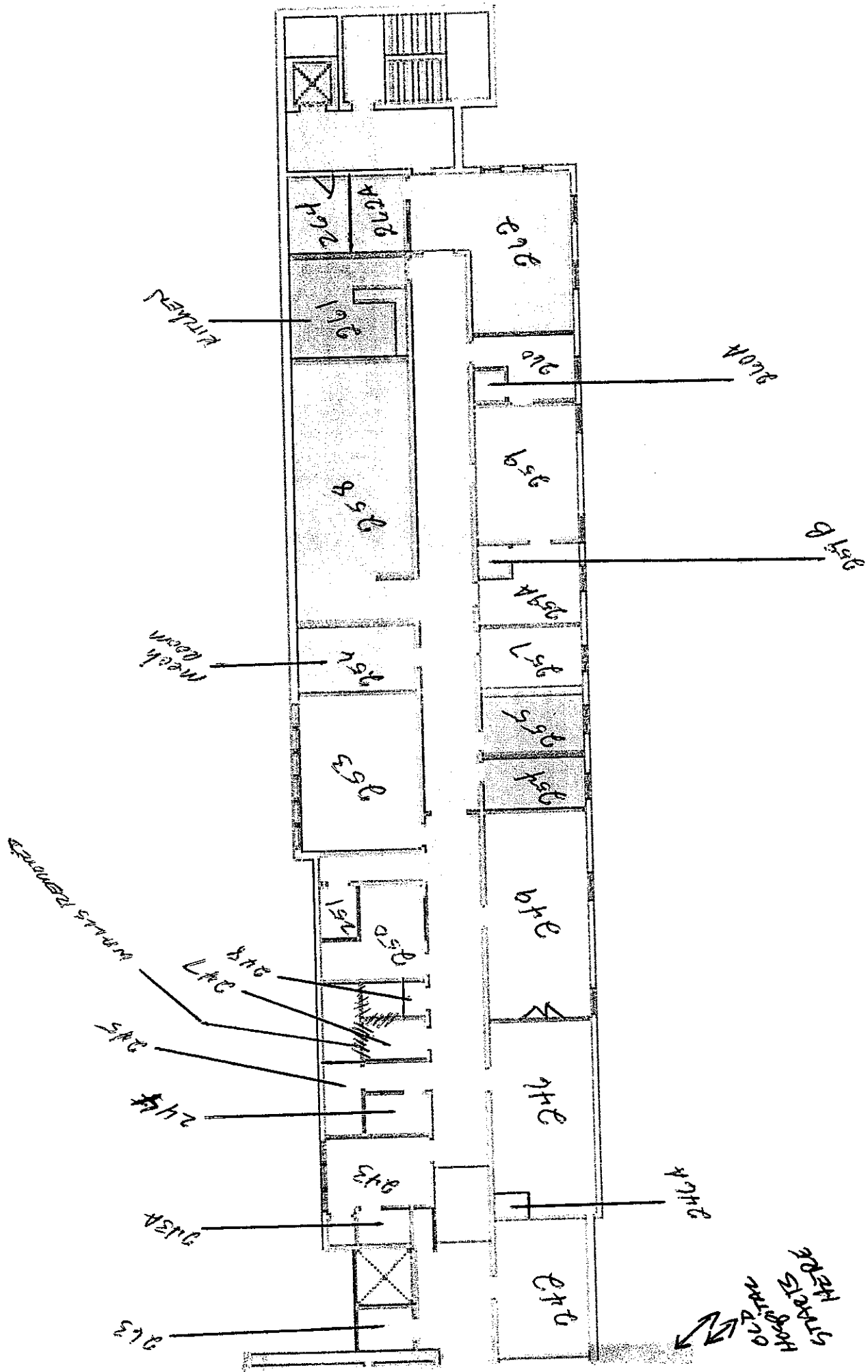
352
2/3 of WALL REMOVED



1



B
2nd



210A
210B
210C
210D
210E
210F
210G
210H
210I
210J
210K
210L
210M
210N
210O
210P
210Q
210R
210S
210T
210U
210V
210W
210X
210Y
210Z

APPENDIX C

It is believed there are two areas of the "original" hospital that have been encased inside subsequent construction.

Upon obtaining a copy of the 1926 original blue prints. They show a kitchen and food preparation area that is approximately 30' x 42', as well as an area approximately 94' by 42', that we have come to refer to as the "Negro Wing" because the blue prints show it to be where the "Negro" wards and ambulance areas were.

Returning the building and standing at what would have been just outside the south east corner of Negro Ward 110 it was clear that the original construction still stood. It appears that in a subsequent renovation that a steel structure was secured to the original construction and new interior walls were constructed, encasing part of the original exterior construction. It is not known at this time what became of the original windows that were on the east side of the Negro wing. The steel structure also supports what is now the second floor of what is known as building B.

The Original kitchen area was more difficult to find. However, we were told by an officer that part of the large evidence room, room 148, was at one time part of an old kitchen. Because we did not have the original plans at that time we did not realize the officer meant the original 1926 kitchen. Inside room 154B after moving tiles from the dropped ceiling, one can see what would be part of the exterior of the south wall of the kitchens food prep area. It is believed that during one of the renovations that the Negro wing and the kitchen areas were encased in a steel structure that supports the roof structure that now covers the long hallway leading south past the LIFE center and the Homeland security, animal control and DARE areas. And east covering the area where animal control keeps their traps.

In the basement there is also a stair case that leads to the underside of a concrete slab. It is believed that this staircase was part of the original construction of an exterior entrance to the basement area of the original hospital.

OLD DARK TANK

140
PATROL

Original Kitchen

148
Entrance

180
181

142A

147C

146

147

147A

147B

147C

147D

147E

147F

147G

147H

147I

147J

147K

147L

147M

147N

147O

147P

147Q

147R

147S

147T

147U

147V

147W

147X

147Y

147Z

147AA

147AB

147AC

147AD

147AE

147AF

147AG

147AH

147AI

147AJ

147AK

147AL

147AM

147AN

147AO

147AP

147AQ

147AR

147AS

147AT

147AU

147AV

147AW

147AX

147AY

147AZ

147BA

147BB

147BC

147BD

147BE

147BF

147BG

147BH

147BI

147BJ

147BK

147BL

147BM

147BN

147BO

147BP

147BQ

147BR

147BS

147BT

147BU

147BV

147BW

147BX

147BY

147BZ

147CA

147CB

147CC

147CD

147CE

147CF

147CG

147CH

147CI

147CJ

147CK

147CL

147CM

147CN

147CO

147CP

147CQ

147CR

147CS

147CT

147CU

147CV

147CW

147CX

147CY

147CZ

147DA

147DB

147DC

147DD

147DE

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147FP

147FQ

147FR

147FS

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147KK

147KL

147KM

147KN

147KO

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APPENDIX D

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestc	Floor	Room	Material	Color	Field Description
1	Building C 16397	1 Layer	Patch Roll/Tar		80	Roof	NA	Patch	White/Black	Fabric
2	Building C 16397	2 Layer	Patch Roll/Tar		80	Roof	NA	Patch	White/Black	Fabric
3	Building C 16397	3 Layer	Patch Roll/Tar		80	Roof	NA	Patch	White/Black	Fabric
4	Building C 16398	1 Layer	Caulk - Gray/White		20	Roof	NA	Sealant	White/Black	Above Metal Flashing
5	Building C 16398	2 Layer	Patch Roll/Tar		20	Roof	NA	Patch	White/Black	Fabric
6	Building C 16399	1 Layer	Caulk - Gray/White		20	Roof	NA	Sealant	White/Black	Above Metal Flashing
7	Building C 16399	2 Layer	Patch Roll/Tar		20	Roof	NA	Patch	White/Black	Fabric
8	Building C 16400	1 Layer	Caulk - Gray/White		60	Roof	NA	Sealant	White/Black	Above Metal Flashing
9	Building C 16400	2 Layer	Caulk - Gray		20	Roof	NA	Sealant	White/Black	Above Metal Flashing
10	Building C 16400	3 Layer	Caulk - Gray		80	Roof	NA	Patch	White/Black	Fabric
11	Building C 16401	1 Layer	Patch Roll/Tar		10	Roof	NA	Sealant	White/Black	Above Metal Flashing
12	Building C 16402	1 Layer	Caulk - Gray/Black		20	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
13	Building C 16408	1 Layer	Pipe Insulation -White		20	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
14	Building C 16408	2 Layer	Pipe Insulation -White		30	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
15	Building C 16409	1 Layer	Pipe Insulation -White		30	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
16	Building C 16409	2 Layer	Pipe Insulation -White		30	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
17	Building C 16410	2 Layer	Pipe Insulation -White		20	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
18	Building C 16410	1 Layer	Pipe Insulation -White		20	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
19	Building C 16411	1 Layer	Pipe Insulation -White		60	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
20	Building C 16412	1 Layer	Pipe Insulation -White		60	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
21	Building C 16412	2 Layer	Pipe Insulation -White		10	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
22	Building C 16414	1 Layer	Pipe Insulation Putty		10	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
23	Building C 16414	2 Layer	Pipe Insulation Putty		30	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
24	Building C 16415	1 Layer	Pipe Insulation Putty		30	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
25	Building C 16415	2 Layer	Pipe Insulation Putty		30	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
26	Building C 16416	1 Layer	Pipe Insulation -White		10	Roof	Mechanical R/T SI	Mechanical R/T SI	Brown	Leading into the floor
27	Building C 16417	1 Layer	Pipe Insulation -White		30	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
28	Building C 16417	2 Layer	Pipe Insulation -White		30	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
29	Building C 16418	1 Layer	Pipe Insulation -White		20	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
30	Building C 16420	1 Layer	Pipe Insulation -White		60	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
31	Building C 16420	2 Layer	Pipe Insulation -White		20	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
32	Building C 16421	1 Layer	Pipe Insulation Loose - White		20	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
33	Building C 16421	2 Layer	Pipe Insulation Loose - White		20	Roof	Mechanical R/T SI	Mechanical R/T SI	White	
34	Building C 16422	1 Layer	Foil/Fiberglass - Brown/Yellow		10	Roof	Mechanical R/T SI	Mechanical R/T SI	Brown/White	
35	Building C 16422	2 Layer	Foil/Fiberglass - Brown/Yellow		10	Roof	Mechanical R/T SI	Mechanical R/T SI	Brown/White	
36	Building C 16423	1 Layer	Foil/Fiberglass - Brown/Yellow		10	Roof	Mechanical R/T SI	Mechanical R/T SI	Light Brown	
37	Building C 16423	2 Layer	Foil/Fiberglass - Brown/Yellow		10	Roof	Mechanical R/T SI	Mechanical R/T SI	Light Brown	
38	Building C 16424	1 Layer	Pipe Insulation Loose - White		60	Roof	Mechanical R/T SI	Mechanical R/T SI	Light Brown	
39	Building C 16425	1 Layer	Bulk - Brown/Yellow		10	Roof	Mechanical R/T SI	Mechanical R/T SI	Beige	
40	Building C 16427	1 Layer	Pipe Insulation Loose - White		20	Roof	Mechanical R/T SI	Mechanical R/T SI	Beige	
41	Building C 16427	2 Layer	Pipe Insulation Loose - White		10	Roof	Mechanical R/T SI	Mechanical R/T SI	Beige	
42	Building C 16428	1 Layer	Pipe Insulation Loose - White		20	Roof	Mechanical R/T SI	Mechanical R/T SI	Beige	
43	Building C 16428	2 Layer	Pipe Insulation Loose - White		10	Roof	Mechanical R/T SI	Mechanical R/T SI	Beige	
44	Building C 16429	1 Layer	Pipe Insulation Loose Paper/Bulk		30	Roof	Mechanical R/T SI	Mechanical R/T SI	Beige	
45	Building C 16429	2 Layer	Pipe Insulation Loose - White		10	Roof	Mechanical R/T SI	Mechanical R/T SI	Beige	
46	Building C 16430	1 Layer	Pipe Insulation Loose Paper/Bulk		20	Roof	Mechanical R/T SI	Mechanical R/T SI	Beige	
47	Building C 16430	2 Layer	Pipe Insulation Loose - White		10	Roof	Mechanical R/T SI	Mechanical R/T SI	Beige	

A	B	C	D	E	F	G	H	I	J
Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	Building C 16431	1 Layer	Pipe Insulation Loose Paper/Bulk		20	Roof	Mechanical R/TSI	Beige	
48	Building C 16431	2 Layer	Pipe Insulation Loose - White		10	Roof	Mechanical R/TSI	Beige	
49	Building C 16431	1 Layer	Pipe Insulation Loose Paper/Bulk - Black/W		20	Roof	Mechanical R/TSI	Beige	
50	Building C 16433	2 Layer	Pipe Insulation Loose - White		20	Roof	Mechanical R/TSI	Beige	
51	Building C 16433	2 Layer	Pipe Insulation Loose Paper/Bulk		20	Roof	Mechanical R/TSI	Beige	
52	Building C 16435	1 Layer	Pipe Insulation Loose Bulk		10	Roof	Mechanical R/TSI	Beige	
53	Building C 16435	2 Layer	Pipe Insulation Loose Paper/Bulk		20	Roof	Mechanical R/TSI	Beige	
54	Building C 16436	1 Layer	Pipe Insulation Loose Paper/Bulk		20	Roof	Mechanical R/TSI	Beige	
55	Building C 16436	2 Layer	Pipe Insulation Loose Bulk		30	Roof	Mechanical R/TSI	Beige	
56	Building C 16437	1 Layer	Pipe Insulation Loose Paper/Bulk		10	Roof	Mechanical R/TSI	Beige	
57	Building C 16437	2 Layer	Pipe Insulation Loose Bulk		40	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
58	Building C 16440	1 Layer	Pipe Insulation Loose Paper/Bulk - White		20	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
59	Building C 16441	1 Layer	Pipe Insulation Loose Bulk - White		20	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
60	Building C 16441	2 Layer	Pipe Insulation Loose Paper/Bulk - White		10	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
61	Building C 16442	1 Layer	Pipe Insulation Loose Bulk - White		10	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
62	Building C 16443	1 Layer	Pipe Insulation Loose Paper/Bulk - Black/W		40	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
63	Building C 16444	1 Layer	Pipe Insulation Loose Paper/Bulk - White		30	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
64	Building C 16445	1 Layer	Pipe Insulation Loose Paper/Bulk - Black/W		30	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
65	Building C 16448	1 Layer	Foil		30	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
66	Building C 16448	2 Layer	Fiberglass		10	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
67	Building C 16448	3 Layer	Pipe Insulation Loose Paper/Bulk - Black/W		20	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
68	Building C 16449	1 Layer	Foil		10	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
69	Building C 16449	2 Layer	Fiberglass		10	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
70	Building C 16449	3 Layer	Pipe Insulation Loose Paper/Bulk - Black/W		20	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
71	Building C 16451	1 Layer	Foil		10	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
72	Building C 16451	2 Layer	Pipe Insulation Loose Paper/Bulk - Black/W		60	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
73	Building C 16452	1 Layer	Foil		20	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
74	Building C 16452	2 Layer	Fiberglass		10	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
75	Building C 16455	1 Layer	Pipe Insulation Loose Paper/Bulk - Black/W		30	Roof	Mechanical R/TSI	White/Gray	Insulator Wrap
76	Building C 16455	2 Layer	Foil		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
77	Building C 16458	1 Layer	Wrap - Black/Brown		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
78	Building C 16458	2 Layer	Wrap Foil		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
79	Building C 16458	3 Layer	Wrap		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
80	Building C 16458	3 Layer	Wrap - Black/Brown		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
81	Building C 16459	1 Layer	Wrap - Black/Brown		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
82	Building C 16459	2 Layer	Wrap Foil		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
83	Building C 16459	3 Layer	Wrap		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
84	Building C 16460	1 Layer	Wrap - Black/Brown		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
85	Building C 16460	2 Layer	Wrap Foil		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
86	Building C 16460	3 Layer	Wrap		40	Roof	Mechanical R/TSI	Black	Insulator Wrap
87	Building C 16461	1 Layer	Wrap - Black/Brown		20	Roof	Mechanical R/TSI	Black	Insulator Wrap
88	Building C 16461	3 Layer	Wrap		20	Roof	Mechanical R/TSI	Black	Insulator Wrap
89	Building C 16462	1 Layer	Wrap - Black/Brown		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
90	Building C 16462	2 Layer	Wrap Foil		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
91	Building C 16462	3 Layer	Wrap		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
92	Building C 16463	1 Layer	Wrap - Black/Brown		30	Roof	Mechanical R/TSI	Black	Insulator Wrap
93	Building C 16463	1 Layer	Wrap - Black/Brown		30	Roof	Mechanical R/TSI	Black	Insulator Wrap

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
94	Building C 16463	2 Layer	Wrap Foil		30	Roof	Mechanical R/T SI		Black	Insulator Wrap
95	Building C 16463	3 Layer	Wrap		30	Roof	Mechanical R/T SI		Black	Insulator Wrap
96	Building C 16464	1 Layer	Wrap - Black/Brown		60	Roof	Mechanical R/T SI		Gray	Insulator Wrap
97	Building C 16464	2 Layer	Wrap Foil		30	Roof	Mechanical R/T SI		Gray	Insulator Wrap
98	Building C 16464	3 Layer	Wrap		30	Roof	Mechanical R/T SI		Gray	Insulator Wrap
99	Building C 16465	1 Layer	Wrap		20	Roof	Mechanical R/T SI		Gray	Insulator Wrap
100	Building C 16465	2 Layer	Wrap		20	Roof	Mechanical R/T SI		Gray	Insulator Wrap
101	Building C 16465	3 Layer	Wrap		20	Roof	Mechanical R/T SI		Gray	Insulator Wrap
102	Building C 16466	1 Layer	Wrap		30	Roof	Mechanical R/T SI		Gray	Insulator Wrap
103	Building C 16466	2 Layer	Wrap		10	Roof	Mechanical R/T SI		Gray	Insulator Wrap
104	Building C 16466	3 Layer	Wrap		10	Roof	Mechanical R/T SI		Gray	Insulator Wrap
105	Building C 16467	1 Layer	Wrap		40	Roof	Mechanical R/T SI		Black	Insulator Wrap
106	Building C 16467	2 Layer	Wrap		40	Roof	Mechanical R/T SI		Black	Insulator Wrap
107	Building C 16467	3 Layer	Wrap		20	Roof	Mechanical R/T SI		Black	Insulator Wrap
108	Building C 16468	1 Layer	Wrap		60	Roof	Mechanical R/T SI		Black	Insulator Wrap
109	Building C 16468	2 Layer	Wrap		20	Roof	Mechanical R/T SI		Black	Insulator Wrap
110	Building C 16468	3 Layer	Wrap - Black/Brown		20	Roof	Mechanical R/T SI		Black	Insulator Wrap
111	Building C 16469	1 Layer	Wrap Foil		30	Roof	Mechanical R/T SI		Black	Insulator Wrap
112	Building C 16469	2 Layer	Wrap		20	Roof	Mechanical R/T SI		Black	Insulator Wrap
113	Building C 16469	3 Layer	Wrap		20	Roof	Mechanical R/T SI		Black	Insulator Wrap
114	Building C 16470	1 Layer	Wrap - Black/Brown		30	Roof	Mechanical R/T SI		Black	Insulator Wrap
115	Building C 16470	2 Layer	Wrap Foil		30	Roof	Mechanical R/T SI		Black	Insulator Wrap
116	Building C 16470	3 Layer	Wrap		30	Roof	Mechanical R/T SI		Black	Insulator Wrap
117	Building C 16471	1 Layer	Coating - Black		30	Roof	Mechanical R/T SI		Brown	Insulation
118	Building C 16471	2 Layer	Tar - Black		30	Roof	Mechanical R/T SI		Brown	Insulation
119	Building C 16474	1 Layer	Pipe Insulation - Bulk Gray		80	Roof	Mechanical R/T SI		Brown	Insulation
120	Building C 16481	3 Layer	Roll Vinyl - Pebble Orangish		30	1st Floor	C 132A	Vinyl Floor Tile	Blue	12x12 Lanolium
121	Building C 16481	4 Layer	Roll Vinyl - Pebble Grayish		30	1st Floor	C 132A	Vinyl Floor Tile	Blue	12x12 Lanolium
122	Building C 16484	3 Layer	Roll Vinyl - Pebble Orangish		20	1st Floor	C 132	Vinyl Floor Tile	Blue	Same as 16481
123	Building C 16484	4 Layer	Roll Vinyl - Pebble Orangish		20	1st Floor	C 132	Vinyl Floor Tile	Blue	Same as 16481
124	Building C 16485	3 Layer	Roll Vinyl - Pebble Orangish		25	1st Floor	C 132	Vinyl Floor Tile	Blue	Same as 16481
125	Building C 16485	4 Layer	Roll Vinyl - Pebble Orangish		25	1st Floor	C 132	Vinyl Floor Tile	Blue	Same as 16481
126	Building C 16489	2 Layer	Mastic - Brown		30	1st Floor	C 132C	Ceramic Floor Tile W/Br	1X1 Off Court	1X1 Off Court
127	Building C 16489	1 Layer	Ceramic Tile 1 X 1 - White		15	1st Floor	C 132C	Ceramic Floor Tile W/Br	1X1 Off Court	1X1 Off Court
128	Building C 16490	2 Layer	Mastic - Brown		30	1st Floor	C 132C	Ceramic Floor Tile W/Br	1X1 Off Court	1X1 Off Court
129	Building C 16490	1 Layer	Ceramic Tile 1 X 1 - White		15	1st Floor	C 132C	Ceramic Floor Tile W/Br	1X1 Off Court	1X1 Off Court
130	Building C 16491	1 Layer	Ceramic Tile 1 X 1 - White		15	1st Floor	C 132C	Ceramic Floor Tile W/Br	1X1 Off Court	1X1 Off Court
131	Building C 16492	2 Layer	Mastic - Brown		30	1st Floor	C 132C	Ceramic Wall Tile White	4X4 Off Court	4X4 Off Court
132	Building C 16492	1 Layer	Ceramic Tile 4 X 4 - White		20	1st Floor	C 132C	Ceramic Wall Tile White	4X4 Off Court	4X4 Off Court
133	Building C 16493	2 Layer	Mastic - Brown		30	1st Floor	C 132C	Ceramic Wall Tile White	4X4 Off Court	4X4 Off Court
134	Building C 16493	1 Layer	Ceramic Tile 4 X 4 - White		15	1st Floor	C 132C	Ceramic Wall Tile White	4X4 Off Court	4X4 Off Court
135	Building C 16494	2 Layer	Mastic - Brown		30	1st Floor	C 132C	Ceramic Wall Tile White	4X4 Off Court	4X4 Off Court
136	Building C 16494	1 Layer	Ceramic Tile 4 X 4 - White		15	1st Floor	C 132C	Ceramic Wall Tile White	4X4 Off Court	4X4 Off Court
137	Building C 16495	2 Layer	Mastic - Brown		30	1st Floor	C 132D	Ceramic Wall Tile Brown	4X4 Off Court	4X4 Off Court
138	Building C 16495	1 Layer	Ceramic Tile 4 X 4 - Brown		15	1st Floor	C 132D	Ceramic Wall Tile Brown	4X4 Off Court	4X4 Off Court
139	Building C 16496	2 Layer	Mastic - Brown		30	1st Floor	C 132D	Ceramic Wall Tile Brown	4X4 Off Court	4X4 Off Court

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	Building C 16496	1 Layer	Ceramic Tile 4 X 4 - Brown	15 1st Floor	C 132D	Ceramic Wall	Til Brown	4X4 Off Court		
140	Building C 16497	2 Layer	Mastic - Brown	30 1st Floor	C 132D	Ceramic Wall	Til Brown	4X4 Off Court		
141	Building C 16497	1 Layer	Ceramic Tile 4 X 4 - Brown	20 1st Floor	C 132D	Ceramic Wall	Til Brown	4X4 Off Court		
142	Building C 16497	2 Layer	Mastic - Brown	30 1st Floor	C 132D	Ceramic Floor	Til W/Br	1X1 Off Court		
143	Building C 16498	1 Layer	Ceramic Tile 1 X 1 - White	15 1st Floor	C 132D	Ceramic Floor	Til W/Br	1X1 Off Court		
144	Building C 16498	2 Layer	Mastic - Brown	30 1st Floor	C 132D	Ceramic Floor	Til W/Br	1X1 Off Court		
145	Building C 16499	1 Layer	Ceramic Tile 1 X 1 - White	15 1st Floor	C 132D	Ceramic Floor	Til W/Br	1X1 Off Court		
146	Building C 16499	4 Layer	Mastic - Brown	30 1st Floor	C 132D	Ceramic Floor	Til W/Br	1X1 Off Court		
147	Building C 16500	2 Layer	Mastic - Brown	20 1st Floor	C 132D	Ceramic Floor	Til W/Br	1X1 Off Court		
148	Building C 16500	1 Layer	Ceramic Tile 1 X 1 - Brown	15 1st Floor	C 132D	Ceramic Floor	Til W/Br	1X1 Off Court		
149	Building C 16500	3 Layer	Ceramic Tile 1 X 1 - White	15 1st Floor	C 132D	Ceramic Floor	Til W/Br	1X1 Off Court		
150	Building C 16500	2 Layer	Mastic - Brown	30 1st Floor	C 132D	Ceramic Floor	Til W/Br	1X1 Off Court		
151	Building C 16522	1 Layer	Ceramic Tile 4 X 4 - Tan	20 1st Floor	Hall	Ceramic Wall	Til Light Yellow			
152	Building C 16522	2 Layer	Mastic - Brown	30 1st Floor	Hall	Ceramic Wall	Til Light Yellow			
153	Building C 16523	1 Layer	Ceramic Tile 4 X 4 - Tan	15 1st Floor	Hall	Ceramic Wall	Til Light Yellow			
154	Building C 16523	2 Layer	Mastic - Brown	30 1st Floor	Hall	Ceramic Wall	Til Light Yellow			
155	Building C 16524	1 Layer	Ceramic Tile 4 X 4 - Tan	15 1st Floor	Hall	Ceramic Wall	Til Light Yellow			
156	Building C 16525	2 Layer	Mastic - Brown	20 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
157	Building C 16525	1 Layer	Ceramic Tile 4 X 4 - Dark Tan	15 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
158	Building C 16526	2 Layer	Mastic - Brown	30 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
159	Building C 16526	1 Layer	Ceramic Tile 4 X 4 - Dark Tan	15 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
160	Building C 16527	2 Layer	Mastic - Brown	20 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
161	Building C 16527	1 Layer	Ceramic Tile 4 X 4 - Dark Tan	15 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
162	Building C 16527	2 Layer	Mastic - Brown	30 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
163	Building C 16528	1 Layer	Ceramic Tile 4 X 4 - Dark Tan	15 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
164	Building C 16528	2 Layer	Mastic - Brown	20 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
165	Building C 16529	1 Layer	Ceramic Tile 4 X 4 - Dark Tan	15 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
166	Building C 16530	2 Layer	Mastic - Brown	30 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
167	Building C 16530	1 Layer	Ceramic Tile 4 X 4 - Dark Tan	15 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
168	Building C 16531	2 Layer	Mastic - Brown	20 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
169	Building C 16531	1 Layer	Ceramic Tile 4 X 4 - Dark Tan	15 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
170	Building C 16531	2 Layer	Mastic - Brown	30 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
171	Building C 16532	1 Layer	Ceramic Tile 4 X 4 - Dark Tan	15 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
172	Building C 16532	2 Layer	Mastic - Brown	20 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
173	Building C 16533	1 Layer	Ceramic Tile 4 X 4 - Dark Tan	15 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
174	Building C 16533	2 Layer	Mastic - Brown	30 1st Floor	Hall	Ceramic Wall	Til Darker Yellow			
175	Building C 16534	3 Layer	Roll Vinyl - Pebble	10 1st Floor	Hall	Vinyl Floor	Til Dark Blue	12X12 w/Lanodium under		
176	Building C 16535	3 Layer	Roll Vinyl - Pebble	20 1st Floor	Hall	Vinyl Floor	Til Dark Blue	12X12 w/Lanodium under		
177	Building C 16536	3 Layer	Roll Vinyl - Pebble	30 1st Floor	Hall	Vinyl Floor	Til Dark Blue	12X12 w/Lanodium under		
178	Building C 16537	3 Layer	Roll Vinyl - Pebble	10 1st Floor	Hall	Vinyl Floor	Til Dark Blue	12X12 w/Lanodium under		
179	Building C 16538	3 Layer	Roll Vinyl - Pebble	20 1st Floor	Hall	Vinyl Floor	Til Dark Blue	12X12 w/Lanodium under		
180	Building C 16542	3 Layer	Roll Vinyl - Gray Pebble	15 1st Floor	C 117	Lanodium	Gray	Flooring		
181	Building C 16549	1 Layer	Roll Vinyl - MultiColor	10 1st Floor	C 117	Lanodium	Gray	Flooring		
182	Building C 16549	2 Layer	Mastic - MultiColor	20 1st Floor	C 111	Lanodium	Gray	Flooring		
183	Building C 16550	1 Layer	Roll Vinyl - Gray Pebble	15 1st Floor	C 111	Lanodium	Gray	Flooring		
184	Building C 16550	1 Layer	Roll Vinyl - Gray Pebble	15 1st Floor	C 110	Lanodium	Gray	Flooring		
185	Building C 16551	1 Layer	Roll Vinyl - Gray Pebble	15 1st Floor	C 110	Lanodium	Gray	Flooring		

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	Building C 16551	2 Layer	Mastic - MultiColor	10 1st Floor	C 110	Laolium	Gray	Flooring		
186	Building C 16557	2 Layer	Ceramic Tile 1 X 1 - White	15 1st Floor	C 106	Ceramic Floor T	Dark Brown	12x12 w/ 1X1 underneeth		
187	Building C 16567	2 Layer	Ceramic Tile 1 X 1 - White	15 1st Floor	C 106	Ceramic Floor T	Dark Brown	12x12 w/ 1X1 underneeth		
188	Building C 16568	2 Layer	Ceramic Tile 1 X 1 - White	15 1st Floor	C 106	Ceramic Floor T	Dark Brown	12x12 w/ 1X1 underneeth		
189	Building C 16569	2 Layer	Ceramic Tile 1 X 1 - White	20 1st Floor	C 124	TSI	Black	Pipe Insulation		
190	Building C 16603	1 Layer	Pipe Insulation Outer - Black	20 1st Floor	C 124	TSI	Black	Pipe Insulation		
191	Building C 16603	2 Layer	Insulation Inside - Black	20 1st Floor	C 124	TSI	Black	Pipe Insulation		
192	Building C 16604	1 Layer	Pipe Insulation Outer - Black	10 1st Floor	C 124	TSI	Black	Pipe Insulation		
193	Building C 16604	3 Layer	Insulation Inside - Black	10 1st Floor	C 124	TSI	Black	Pipe Insulation		
194	Building C 16605	1 Layer	Pipe Insulation Outer - Black	10 1st Floor	C 124	TSI	White	Pipe Insulation		
195	Building C 16605	3 Layer	Insulation Inside - Black	10 1st Floor	C 124	TSI	White	Pipe Insulation		
196	Building C 16606	1 Layer	Pipe Insulation Outer - Black	10 1st Floor	C 124	TSI	White	Pipe Insulation		
197	Building C 16606	3 Layer	Insulation Inside - Black	10 1st Floor	C 124	TSI	White	Pipe Insulation		
198	Building C 16607	1 Layer	Pipe Insulation Outer - Black	10 1st Floor	C 124	TSI	Black	Pipe Insulation		
199	Building C 16607	2 Layer	Insulation Inside - Black	10 1st Floor	C 124	TSI	Black	Pipe Insulation		
200	Building C 16608	1 Layer	Pipe Insulation Outer - Black	30 1st Floor	C 124	TSI	White	Pipe Insulation		
201	Building C 16608	3 Layer	Insulation Inside - Black	20 1st Floor	C 124	TSI	White	Pipe Insulation		
202	Building C 16609	1 Layer	Pipe Insulation Outer - Black	60 1st Floor	C 124	TSI	Black	Pipe Insulation		
203	Building C 16609	2 Layer	Insulation Inside - Black	60 1st Floor	C 124	TSI	Black	Pipe Insulation		
204	Building C 16611	1 Layer	Pipe Insulation Loose - White	20 1st Floor	C 124	TSI	White	Elbow		
205	Building C 16611	2 Layer	Bulk	20 1st Floor	C 124	TSI	White	Elbow		
206	Building C 16612	1 Layer	Pipe Insulation Loose - White	10 1st Floor	C 124	TSI	White	Pipe Insulation		
207	Building C 16612	2 Layer	Bulk	10 1st Floor	C 124	TSI	White	Pipe Insulation		
208	Building C 16617	1 Layer	Pipe Insulation Loose - White	20 1st Floor	C 124	TSI	White	Pipe Insulation		
209	Building C 16617	2 Layer	Bulk - White	10 1st Floor	C 124	TSI	White	Pipe Insulation		
210	Building C 16617	3 Layer	Fabric - White	10 1st Floor	C 124	TSI	White	Pipe Insulation		
211	Building C 16618	1 Layer	Pipe Insulation Loose - White	10 1st Floor	C 124	TSI	Yellow	Pipe Insulation		
212	Building C 16618	2 Layer	Bulk - White	10 1st Floor	C 124	TSI	Yellow	Pipe Insulation		
213	Building C 16620	3 Layer	Fabric - White	10 1st Floor	C 124	TSI	White	Pipe Insulation		
214	Building C 16620	1 Layer	Pipe Insulation Loose - White	10 1st Floor	C 124	TSI	White	Pipe Insulation		
215	Building C 16620	2 Layer	Bulk - White	10 1st Floor	C 124	TSI	White	Pipe Insulation		
216	Building C 16620	3 Layer	Fabric - White	10 1st Floor	C 124	TSI	White	Pipe Insulation		
217	Building C 16623	1 Layer	Ceramic Tile 4 X4 - Green	20 1st Floor	C 108	Ceramic Floor T	light green	3 bathrooms		
218	Building C 16623	2 Layer	Mastic - Yellow	20 1st Floor	C 108	Ceramic Floor T	light green	3 bathrooms		
219	Building C 16624	1 Layer	Ceramic Tile 4 X4 - Green	20 1st Floor	C 107	Ceramic Floor T	light green	3 bathrooms		
220	Building C 16624	2 Layer	Mastic - Yellow	20 1st Floor	C 131	Ceramic Floor T	light green	3 bathrooms		
221	Building C 16625	2 Layer	Ceramic Tile 4 X4 - Green	20 1st Floor	C 131	Ceramic Floor T	light green	3 bathrooms		
222	Building C 16625	2 Layer	Mastic - Yellow	20 1st Floor	C 108	Ceramic Floor T	light green	3 bathrooms		
223	Building C 16638	1 Layer	Pipe Insulation Outer - Black	40 1st Floor	C 108	TSI	Black	Black Vertical		
224	Building C 16638	3 Layer	Bulk - Black	40 1st Floor	C 108	TSI	Black	Black Vertical		
225	Building C 16639	1 Layer	Pipe Insulation Outer - Black	40 1st Floor	C 108	TSI	Black	Elbow		
226	Building C 16639	3 Layer	Bulk - Black	20 1st Floor	C 108	TSI	Black	Elbow		
227	Building C 16640	1 Layer	Pipe Insulation Outer - Black	20 1st Floor	C 108	TSI	Beige	12 sided TSI run		
228	Building C 16640	3 Layer	Bulk - Black	10 1st Floor	C 108	TSI	Beige	12 sided TSI run		
229	Building C 16641	1 Layer	Pipe Insulation Outer - Black	30 1st Floor	C 108	TSI	Black	Elbow		
230	Building C 16641	3 Layer	Bulk - Black	10 1st Floor	C 108	TSI	Black	Elbow		
231	Building C 16642	1 Layer	Pipe Insulation Outer - Black	20 1st Floor	C 108	TSI	Black	T-Joint		

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
231	Building C	16642	2 Layer	Bulk - Black	20	1st Floor	C 108	TSI	Black	T-Joint
232	Building C	16642	2 Layer	Bulk - Black	20	1st Floor	C 108	TSI	Black	Elbow
233	Building C	16645	1 Layer	Pipe Insulation Outer - Black	20	1st Floor	C 108	TSI	Black	Elbow
234	Building C	16645	2 Layer	Bulk - Black	20	1st Floor	C 108	TSI	Black	Elbow
235	Building C	16646	1 Layer	Pipe Insulation Outer - Black	60	1st Floor	C 108	TSI	Black	Elbow
236	Building C	16646	2 Layer	Bulk - Black	20	1st Floor	C 108	TSI	Black	Elbow
237	Building C	16647	1 Layer	Pipe Insulation Outer - Black	20	1st Floor	C 108	TSI	Silver/White	Wall Battery
238	Building C	16647	2 Layer	Bulk - Black	20	1st Floor	C 108	TSI	Silver/White	Wall Battery
239	Building C	16650	1 Layer	Pipe Insulation Outer - Black	30	1st Floor	C 108	TSI	Black	TSI T
240	Building C	16650	2 Layer	Bulk - Black	30	1st Floor	C 108	TSI	Black	TSI T
241	Building C	16651	2 Layer	Bulk - Black	40	1st Floor	C 108	TSI	Black	TSI T
242	Building C	16651	1 Layer	Pipe Insulation Outer - Black	30	1st Floor	C 108	TSI	Black	TSI T
243	Building C	16652	1 Layer	Pipe Insulation Outer - Black	40	1st Floor	C 108	TSI	Black	TSI Elbow
244	Building C	16652	2 Layer	Bulk - Black	40	1st Floor	C 108	TSI	Black	TSI Elbow
245	Building C	16653	1 Layer	Pipe Insulation Outer - Black	40	1st Floor	C 108	TSI	Black	TSI Elbow
246	Building C	16653	2 Layer	Bulk - Black	40	1st Floor	C 108	TSI	Black	TSI Elbow
247	Building C	16654	1 Layer	Pipe Insulation Outer - Black	10	1st Floor	C 108	TSI	Black	Wrap
248	Building C	16654	2 Layer	Bulk - Black	10	1st Floor	C 108	TSI	Black	Wrap
249	Building C	16655	1 Layer	Pipe Insulation Loose - White	15	1st Floor	C 108	TSI	White	Broken Joint Mud
250	Building C	16655	2 Layer	Bulk - White	10	1st Floor	C 108	TSI	White	Broken Joint Mud
251	Building C	16655	3 Layer	Fabric - White	10	1st Floor	C 108	TSI	White	Broken Joint Mud
252	Building C	16656	1 Layer	Pipe Insulation Loose - White	10	1st Floor	C 108	TSI	White	Broken Joint Mud
253	Building C	16656	2 Layer	Bulk - White	10	1st Floor	C 108	TSI	White	Broken Joint Mud
254	Building C	16656	3 Layer	Fabric - White	10	1st Floor	C 108	TSI	White	Broken Joint Mud
255	Building C	16663	1 Layer	Floor Tile 1 X 1 - Green	15	1st Floor	C 131	Ceramic Floor Tile	Green	1" - Court Hallway
256	Building C	16663	2 Layer	Mastic - Brown	15	1st Floor	C 131	Ceramic Floor Tile	Green	1" - Court Hallway
257	Building C	16664	1 Layer	Floor Tile 1 X 1 - Green	15	1st Floor	C 131	Ceramic Floor Tile	Green	1" - Court Hallway
258	Building C	16664	2 Layer	Mastic - Brown	10	1st Floor	C 131	Ceramic Floor Tile	Green	1" - Court Hallway
259	Building C	16665	2 Layer	Mastic - Brown	20	1st Floor	C 131	Ceramic Floor Tile	Green	1" - Court Hallway
260	Building C	16665	1 Layer	Floor Tile 1 X 1 - Green	15	1st Floor	C 131	Ceramic Floor Tile	Green	1" - Court Hallway
261	Building C	16778	1 Layer	Ceramic Tile 4 X 4 - Brown	10	2nd Floor	C 229A	Ceramic Wall Tile	Brown	4 X 4 Tile
262	Building C	16778	2 Layer	Mastic - Yellow	10	2nd Floor	C 229A	Ceramic Wall Tile	Brown	4 X 4 Tile
263	Building C	16779	1 Layer	Ceramic Tile 4 X 4 - Brown	10	2nd Floor	C 225A	Ceramic Wall Tile	Brown	4 X 4 Tile
264	Building C	16779	2 Layer	Mastic - Yellow	10	2nd Floor	C 225A	Ceramic Wall Tile	Brown	4 X 4 Tile
265	Building C	16780	1 Layer	Ceramic Tile 4 X 4 - Brown	10	2nd Floor	C 227A	Ceramic Wall Tile	Brown	4 X 4 Tile
266	Building C	16780	2 Layer	Mastic - Yellow	10	2nd Floor	C 227A	Ceramic Wall Tile	Brown	4 X 4 Tile
267	Building C	16781	1 Layer	Ceramic Tile 4 X 4 - Green	15	2nd Floor	C 224A	Ceramic Wall Tile	Green	4 X 4 Tile
268	Building C	16781	2 Layer	Mastic - Yellow	15	2nd Floor	C 224A	Ceramic Wall Tile	Green	4 X 4 Tile
269	Building C	16782	1 Layer	Ceramic Tile 4 X 4 - Green	10	2nd Floor	C 226A	Ceramic Wall Tile	Green	4 X 4 Tile
270	Building C	16782	2 Layer	Mastic - Yellow	10	2nd Floor	C 226A	Ceramic Wall Tile	Green	4 X 4 Tile
271	Building C	16783	1 Layer	Ceramic Tile 4 X 4 - Green	10	2nd Floor	C 228A	Ceramic Wall Tile	Green	4 X 4 Tile
272	Building C	16783	2 Layer	Mastic - Yellow	10	2nd Floor	C 228A	Ceramic Wall Tile	Green	4 X 4 Tile
273	Building C	16784	1 Layer	Ceramic Tile 4 X 4 - Green	10	2nd Floor	C 230A	Ceramic Wall Tile	Green	4 X 4 Tile
274	Building C	16784	2 Layer	Mastic - Yellow	10	2nd Floor	C 230A	Ceramic Wall Tile	Green	4 X 4 Tile
275	Building C	16785	1 Layer	Ceramic Tile 4 X 4 - Green	10	2nd Floor	C 232A	Ceramic Wall Tile	Green	4 X 4 Tile
276	Building C	16785	2 Layer	Mastic - Yellow	10	2nd Floor	C 232A	Ceramic Wall Tile	Green	4 X 4 Tile
277	Building C	16786	1 Layer	Ceramic Tile 4 X 4 - Brown	10	2nd Floor	C 229A	Ceramic Wall Tile	Brown	4 X 4 Tile

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	Building C	16786	2 Layer	Mastic - Yellow		10 2nd Floor	C 229A	Ceramic Wall Tile	Brown	4 X 4 Tile
278	Building C	16787	1 Layer	Ceramic Tile 4 X 4 - Brown		10 2nd Floor	C 204A	Ceramic Wall Tile	Brown	4 X 4 Tile
279	Building C	16787	2 Layer	Mastic - Yellow		10 2nd Floor	C 204A	Ceramic Wall Tile	Brown	4 X 4 Tile
280	Building C	16788	1 Layer	Ceramic Tile 4 X 4 - White w/Specs		15 2nd Floor	C 213	Ceramic Wall Tile	White	4 X 4 Tile
281	Building C	16788	2 Layer	Mastic - Yellow		10 2nd Floor	C 213	Ceramic Wall Tile	White	4 X 4 Tile
282	Building C	16788	1 Layer	Ceramic Tile 4 X 4 - White w/Specs		10 2nd Floor	C 213	Ceramic Wall Tile	White	4 X 4 Tile
283	Building C	16789	2 Layer	Mastic - Yellow		10 2nd Floor	C 213	Ceramic Wall Tile	White	4 X 4 Tile
284	Building C	16789	1 Layer	Ceramic Tile 4 X 4 - White w/Specs		10 2nd Floor	C 213	Ceramic Wall Tile	White	4 X 4 Tile
285	Building C	16790	2 Layer	Mastic - Yellow		10 2nd Floor	C 213	Ceramic Wall Tile	White	4 X 4 Tile
286	Building C	16790	1 Layer	Ceramic Tile 4 X 4 - White w/Specs		10 2nd Floor	C 213	Ceramic Wall Tile	White	4 X 4 Tile
287	Building C	16791	2 Layer	Mastic - Yellow		10 2nd Floor	C 213	Ceramic Wall Tile	Green	Unique not seen elsewhere
288	Building C	16791	1 Layer	Ceramic Tile 4 X 4 - Blue		10 2nd Floor	C 213	Ceramic Wall Tile	Green	Unique not seen elsewhere
289	Building C	16792	2 Layer	Mastic - Yellow		10 2nd Floor	C 213	Ceramic Wall Tile	Green	Unique not seen elsewhere
290	Building C	16792	1 Layer	Ceramic Tile 4 X 4 - Blue		10 2nd Floor	C 213	Ceramic Wall Tile	Green	Unique not seen elsewhere
291	Building C	16793	2 Layer	Mastic - Yellow		10 2nd Floor	C 213	Ceramic Wall Tile	Green	Unique not seen elsewhere
292	Building C	16793	1 Layer	Ceramic Tile 4 X 4 - Blue		10 2nd Floor	C 213	Ceramic Wall Tile	Green	Unique not seen elsewhere
293	Building C	16794	2 Layer	Mastic - Yellow		10 2nd Floor	C 220A	Ceramic Wall Tile	White	Unique not seen elsewhere
294	Building C	16795	2 Layer	Mastic - Yellow		10 2nd Floor	C 220A	Ceramic Wall Tile	White	Unique not seen elsewhere
295	Building C	16796	2 Layer	Mastic - Yellow		10 2nd Floor	C 220A	Ceramic Wall Tile	White	Unique not seen elsewhere
296	Building C	16797	1 Layer	Ceramic Tile 4 X 4 - Brown		10 2nd Floor	C 220A	Vinyl Floor Tile	Brown	Unique not seen elsewhere
297	Building C	16797	2 Layer	Mastic - Yellow		10 2nd Floor	C 220A	Vinyl Floor Tile	Brown	Unique not seen elsewhere
298	Building C	16798	1 Layer	Ceramic Tile 4 X 4 - Brown		10 2nd Floor	C 220A	Vinyl Floor Tile	Brown	Unique not seen elsewhere
299	Building C	16798	2 Layer	Mastic - Yellow		10 2nd Floor	C 220A	Vinyl Floor Tile	Brown	Unique not seen elsewhere
300	Building C	16799	1 Layer	Ceramic Tile 4 X 4 - Brown		10 2nd Floor	C 220A	Vinyl Floor Tile	Brown	Unique not seen elsewhere
301	Building C	16799	2 Layer	Mastic - Yellow		10 2nd Floor	C 210	Vinyl Floor Tile	Blue/Gray	Unique not seen elsewhere
302	Building C	16800	2 Layer	Mastic - Black		10 2nd Floor	C 210	Vinyl Floor Tile	Blue/Gray	Unique not seen elsewhere
303	Building C	16801	2 Layer	Mastic - Black		10 2nd Floor	C 210	Vinyl Floor Tile	Blue/Gray	Unique not seen elsewhere
304	Building C	16802	2 Layer	Mastic - Black		20 2nd Floor	C 222	TSI	White	Elbow Mudded
305	Building C	16892	2nd Layer	Bulk - White		10 2nd Floor	C 222	TSI	White	Elbow Mudded
306	Building C	16892	1st Layer	Pipe Insulation Fabric - White		20 2nd Floor	C 222	TSI	White	Elbow Mudded
307	Building C	16894	1st Layer	Pipe Insulation Fabric - White		20 2nd Floor	C 222	TSI	White	Elbow Mudded
308	Building C	16894	2nd Layer	Bulk - White		20 2nd Floor	C 222	TSI	White	Elbow Mudded
309	Building C	16897	1st Layer	Pipe Insulation Fabric - White		20 2nd Floor	C 222	TSI	White	Elbow Mudded
310	Building C	16897	2nd Layer	Bulk - White		80 2nd Floor	C 222	TSI	White	4" 12 Sided Vertical Rise
311	Building C	16901	1st Layer	Pipe Insulation Foil - White		80 2nd Floor	C 222	TSI	White	4" 12 Sided Vertical Rise
312	Building C	16901	2nd Layer	Bulk - Black		70 2nd Floor	C 222	TSI	White	Elbow Black Wrapping
313	Building C	16902	2nd Layer	Bulk - Black		60 2nd Floor	C 222	TSI	White	Elbow Black Wrapping
314	Building C	16902	1st Layer	Pipe Insulation - Black		60 2nd Floor	C 222	TSI	White	Horizontal Run
315	Building C	16903	1st Layer	Pipe Insulation Fabric - White		60 2nd Floor	C 222	TSI	White	Horizontal Run
316	Building C	16903	2nd Layer	Bulk - Black		60 2nd Floor	C 222	TSI	White	Elbow Black Wrapping
317	Building C	16904	1st Layer	Pipe Insulation - Black		60 2nd Floor	C 222	TSI	White	Elbow Black Wrapping
318	Building C	16904	2nd Layer	Bulk - Black		80 2nd Floor	C 222	TSI	White	Vertical Rise
319	Building C	16905	1st Layer	Pipe Insulation Foil - White		80 2nd Floor	C 222	TSI	White	Vertical Rise
320	Building C	16905	2nd Layer	Bulk - Black		40 2nd Floor	C 222	TSI	White	3 1/2" Horizontal
321	Building C	16906	2nd Layer	Bulk - Black		30 2nd Floor	C 222	TSI	White	3 1/2" Horizontal
322	Building C	16906	1st Layer	Pipe Insulation Foil - White		40 2nd Floor	C 222	TSI	White	3 1/2" Elbow
323	Building C	16907	2nd Layer	Bulk - Black		40 2nd Floor	C 222	TSI	White	3 1/2" Elbow

A	B	C	D	E	F	G	H	I	J
Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
321	Building C 16907	1st Layer	Pipe Insulation - Black	20	2nd Floor	C 222	TSI	White	3 1/2" Elbow
325	Building C 16909	1st Layer	Pipe Insulation Foil - White	10	2nd Floor	C 222	TSI	White	2 1/2" Elbow
326	Building C 16911	2nd Layer	Bulk - White	10	2nd Floor	C 222	TSI	White	Elbow
327	Building C 16913	1st Layer	Pipe Insulation Fabric - White	30	2nd Floor	C 222	TSI	White	Elbow
328	Building C 16913	2nd Layer	Bulk - White	20	2nd Floor	C 222	TSI	White	Elbow
329	Building C 16914	1st Layer	Pipe Insulation Foil - Black	40	2nd Floor	C 222	TSI	Black	6" 12 Sided down form 7" 12 Sided
330	Building C 16914	2nd Layer	Bulk - Black	20	2nd Floor	C 222	TSI	Black	6" 12 Sided down form 7" 12 Sided
331	Building C 16915	1st Layer	Pipe Insulation Foil - Black	40	2nd Floor	C 222	TSI	Black	6" 12 Sided down form 7" 12 Sided
332	Building C 16915	2nd Layer	Bulk - Black	35	2nd Floor	C 222	TSI	Black	6" 12 Sided down form 7" 12 Sided
333	Building C 16918	1st Layer	Bulk - White	30	2nd Floor	C 222	TSI	White	4 1/2" Round Elbow Mud
334	Building C 16919	1st Layer	Pipe Insulation Fabric - White	20	2nd Floor	C 222	TSI	White	5 1/2" Mud
335	Building C 16919	2nd Layer	Bulk - White	20	2nd Floor	C 222	TSI	White	5 1/2" Mud
336	Building C 16920	1st Layer	Pipe Insulation - Black	20	2nd Floor	C 222	TSI	Black	4" 12 Sided
337	Building C 16920	2nd Layer	Bulk - Black	20	2nd Floor	C 222	TSI	Black	4" 12 Sided
338	Building C 16921	1st Layer	4X4 Ceramic Tile - Gray/Blue	10	3rd Floor	C 315	Ceramic Wall Tile Green	4 X 4 Ceramic	4 X 4 Ceramic
339	Building C 16921	2nd Layer	Mastic - Yellow	10	3rd Floor	C 315	Ceramic Wall Tile Green	4 X 4 Ceramic	4 X 4 Ceramic
340	Building C 16922	1st Layer	4X4 Ceramic Tile - Gray/Blue	20	3rd Floor	C 315	Ceramic Wall Tile Green	4 X 4 Ceramic	4 X 4 Ceramic
341	Building C 16922	2nd Layer	Mastic - Yellow	10	3rd Floor	C 315	Ceramic Wall Tile Green	4 X 4 Ceramic	4 X 4 Ceramic
342	Building C 16923	1st Layer	4X4 Ceramic Tile - Gray/Blue	20	3rd Floor	C 313	Ceramic Wall Tile Green	4 X 4 Ceramic	4 X 4 Ceramic
343	Building C 16923	2nd Layer	Mastic - Yellow	10	3rd Floor	C 313	Ceramic Wall Tile Green	4 X 4 Ceramic	4 X 4 Ceramic
344	Building C 16924	1st Layer	4X4 Ceramic Tile - Gray/Blue	10	3rd Floor	C 313	Ceramic Wall Tile Green	4 X 4 Ceramic	4 X 4 Ceramic
345	Building C 16924	2nd Layer	Mastic - Yellow	10	3rd Floor	C 313	Ceramic Wall Tile Green	4 X 4 Ceramic	4 X 4 Ceramic
346	Building C 16925	1st Layer	4X4 Ceramic Tile - Gray/Blue	20	3rd Floor	C 313	Ceramic Wall Tile Green	4 X 4 Ceramic	4 X 4 Ceramic
347	Building C 16925	2nd Layer	Mastic - Yellow	10	3rd Floor	C 313	Ceramic Wall Tile Green	4 X 4 Ceramic	4 X 4 Ceramic
348	Building C 16926	2nd Layer	Mastic - Yellow	10	3rd Floor	C 305A	Ceramic Wall Tile White w/Specs	4 X 4 Ceramic	4 X 4 Ceramic
349	Building C 16927	2nd Layer	Mastic - Yellow	10	3rd Floor	C 306	Ceramic Wall Tile White w/Specs	4 X 4 Ceramic	4 X 4 Ceramic
350	Building C 16928	2nd Layer	Mastic - Yellow	10	3rd Floor	C 311	Vinyl Floor Tile	White w/Specs	9 X 9 in main area
351	Building C 16944	2nd Layer	Mastic - Yellow	10	3rd Floor	C 311	Vinyl Floor Tile	White w/Specs	9 X 9 in main area
352	Building C 16945	2nd Layer	Mastic - Yellow	10	3rd Floor	C 311	Vinyl Floor Tile	White w/Specs	9 X 9 in main area
353	Building C 16946	2nd Layer	Mastic - Yellow	10	3rd Floor	C 311C	Vinyl Floor Tile	White w/Specs	9 X 9 slightly different from main area
354	Building C 16948	2nd Layer	Mastic - Yellow	10	3rd Floor	C 311D	Vinyl Floor Tile	White w/Specs	9 X 9 slightly different from main area
355	Building C 16949	2nd Layer	Mastic - Yellow	10	3rd Floor	Hallway	Vinyl Floor Tile	Brown w/Specs	9 X 9 outside C 306
356	Building C 16950	2nd Layer	Mastic - Yellow	10	3rd Floor	Hallway	Vinyl Floor Tile	Brown w/Specs	9 X 9 outside C 309
357	Building C 16951	2nd Layer	Mastic - Yellow	10	3rd Floor	Hallway	Vinyl Floor Tile	Brown w/Specs	9 X 9 outside Elevator
358	Building C 16952	2nd Layer	Mastic - Yellow	10	3rd Floor	C 312	Vinyl Floor Tile	Green w/Specs	9 X 9 found in hallway and 316
359	Building C 16953	2nd Layer	Mastic - Yellow	10	3rd Floor	C 312	Vinyl Floor Tile	Green w/Specs	9 X 9 found in hallway and 316
360	Building C 16954	2nd Layer	Mastic - Yellow	10	3rd Floor	Hallway	Vinyl Floor Tile	Green w/Specs	9 X 9 next to C 316
361	Building C 16955	2nd Layer	Mastic - Yellow	10	3rd Floor	Hallway	Vinyl Floor Tile	Green w/Specs	9 X 9 outside C 315
362	Building C 16956	2nd Layer	Mastic - Black	10	3rd Floor	Hallway	Vinyl Floor Tile	Green w/Specs	9 X 9 outside C 321
363	Building C 16957	2nd Layer	Mastic - Black	10	3rd Floor	Hallway	Vinyl Floor Tile	Green w/Specs	9 X 9 outside C 326
364	Building C 16958	2nd Layer	Mastic - Black	10	3rd Floor	Hallway	Vinyl Floor Tile	Green w/Specs	9 X 9 outside C 326
365	Building C 16962	1st Layer	Pipe Insulation Fabric - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud outside C 313 - 3" pipe
366	Building C 16962	2nd Layer	Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud outside C 313 - 3" pipe
367	Building C 16963	1st Layer	Pipe Insulation Fabric - White	20	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
368	Building C 16963	2nd Layer	Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
369	Building C 16964	1st Layer	Pipe Insulation Fabric - White	20	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)

A	B	C	D	E	F	G	H	I	J
	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	Building C 16964	2nd Layer	Bulk - White		10 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
370	Building C 16964	1st Layer	Pipe Insulation Fabric - White		20 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
371	Building C 16965	2nd Layer	Bulk - White		10 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
372	Building C 16965	1st Layer	Pipe Insulation Fabric - White		15 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
373	Building C 16966	2nd Layer	Bulk - White		10 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
374	Building C 16966	1st Layer	Pipe Insulation Fabric - White		10 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
375	Building C 16967	2nd Layer	Bulk - White		10 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
376	Building C 16968	1st Layer	Pipe Insulation Fabric - White		10 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
377	Building C 16969	2nd Layer	Bulk - White		20 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
378	Building C 16970	1st Layer	Pipe Insulation Fabric - White		10 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
379	Building C 16970	2nd Layer	Bulk - White		20 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
380	Building C 16971	1st Layer	Pipe Insulation Fabric - White		10 3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
381	Building C 16971	2nd Layer	Bulk - White		10 3rd Floor	Hallway	TSI	White	Mud Joint at "T" across from 303
382	Building C 16972	1st Layer	Pipe Insulation Fabric - White		10 3rd Floor	Hallway	TSI	White	Mud Joint at "T" across from 303
383	Building C 16972	2nd Layer	Bulk - White		15 3rd Floor	Hallway	TSI	White	Mud Joint at "T" across from 303
384	Building C 16973	1st Layer	Pipe Insulation Fabric - White		10 3rd Floor	Hallway	TSI	White	Elbow Mudded
385	Building C 16973	2nd Layer	Bulk - White		10 3rd Floor	Hallway	TSI	White	Elbow Mudded
386	Building C 16974	1st Layer	Pipe Insulation Fabric - White		20 3rd Floor	Hallway	TSI	White	Valve Mudded 3" Pipe
387	Building C 16974	2nd Layer	Bulk - White		20 3rd Floor	Hallway	TSI	White	Valve Mudded 3" Pipe
388	Building C 16975	1st Layer	Pipe Insulation Fabric - White		20 3rd Floor	Hallway	TSI	White	Valve Mudded 3" Pipe
389	Building C 16975	2nd Layer	Bulk - White		20 3rd Floor	Hallway	TSI	White	Valve Mudded 3" Pipe
390	Building C 16976	1st Layer	Pipe Insulation Fabric - White		20 3rd Floor	Hallway	TSI	White	Valve Mudded 3" Pipe
391	Building C 16976	2nd Layer	Bulk - White		20 3rd Floor	Hallway	TSI	White	Valve Mudded 3" Pipe
392	Building C 17032	1st Layer	Ceramic Tile 1X1 - Green		10 3rd Floor	C 324	Ceramic Floor Tile	Green	1X1 Floor
393	Building C 17032	2nd Layer	Mastic - Yellow		10 3rd Floor	C 324	Ceramic Floor Tile	Green	1X1 Floor
394	Building C 17033	1st Layer	Ceramic Tile 1X1 - Green		10 3rd Floor	C 324	Ceramic Floor Tile	Green	1X1 Floor
395	Building C 17033	2nd Layer	Mastic - Yellow		10 3rd Floor	C 324	Ceramic Floor Tile	Green	1X1 Floor
396	Building C 17034	1st Layer	Pipe Insulation Fabric - White		20 3rd Floor	Hallway	TSI	White	2 1/2 pipe
397	Building C 17041	2nd Layer	Bulk - White		20 3rd Floor	Hallway	TSI	White	2 1/2 pipe
398	Building C 17041	1st Layer	Pipe Insulation Fabric - White		20 3rd Floor	Hallway	TSI	White	Cleanout Plug
399	Building C 17042	2nd Layer	Bulk - White		20 3rd Floor	Hallway	TSI	White	Cleanout Plug
400	Building C 17042	1st Layer	Pipe Insulation Fabric - White		30 3rd Floor	Hallway	TSI	White	Valve next to cleanout plug
401	Building C 17043	2nd Layer	Bulk - White		30 3rd Floor	Hallway	TSI	White	Valve next to cleanout plug
402	Building C 17043	1st Layer	Pipe Insulation Fabric - White		15 3rd Floor	Hallway	TSI	White	3"-4" cluster
403	Building C 17044	2nd Layer	Bulk - White		15 3rd Floor	Hallway	TSI	White	3"-4" cluster
404	Building C 17044	1st Layer	Pipe Insulation Fabric - White		10 3rd Floor	Hallway	TSI	White	Pipe above cluster
405	Building C 17045	2nd Layer	Bulk - White		10 3rd Floor	Hallway	TSI	White	Pipe above cluster
406	Building C 17045	1st Layer	Pipe Insulation Fabric - White		30 3rd Floor	Hallway	TSI	White	Pipe next to AC vent
407	Building C 17046	2nd Layer	Bulk - White		30 3rd Floor	Hallway	TSI	White	Pipe next to AC vent
408	Building C 17046	1st Layer	Pipe Insulation Fabric - White		30 3rd Floor	Hallway	TSI	White	Pipe above 17046
409	Building C 17047	2nd Layer	Bulk - White		30 3rd Floor	Hallway	TSI	White	Joint on 2 1/2 Pipe
410	Building C 17048	1st Layer	Pipe Insulation Fabric - White		30 3rd Floor	Hallway	TSI	White	Joint on 2 1/2 Pipe
411	Building C 17048	2nd Layer	Bulk - White		20 3rd Floor	Hallway	TSI	White	Joint above 17048
412	Building C 17049	1st Layer	Pipe Insulation Fabric - White		20 3rd Floor	Hallway	TSI	White	Joint above 17048
413	Building C 17049	2nd Layer	Bulk - White		20 3rd Floor	Hallway	TSI	White	Large Joint on 3" Pipe
414	Building C 17050	1st Layer	Pipe Insulation Fabric - White		20 3rd Floor	Hallway	TSI	White	Large Joint on 3" Pipe
415	Building C 17050	2nd Layer	Bulk - White		20 3rd Floor	Hallway	TSI	White	Large Joint on 3" Pipe

A	B	C	D	E	F	G	H	I	J
			Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
1	Building C 17051	1st Layer	Pipe Insulation Fabric - White	30	3rd Floor	Hallway	TSI	White	Joint on 2 1/2" Pipe next to 17050
416	Building C 17051	2nd Layer	Bulk - White	30	3rd Floor	Hallway	TSI	White	Joint on 2 1/2" Pipe next to 17050
417	Building C 17051	1st Layer	Pipe Insulation Fabric - White	20	3rd Floor	Hallway	TSI	White	Mudded Joint after 17051
418	Building C 17052	1st Layer	Pipe Insulation Fabric - White	20	3rd Floor	Hallway	TSI	White	Mudded Joint after 17051
419	Building C 17052	1st Layer	Pipe Insulation Fabric - White	30	3rd Floor	Hallway	TSI	White	Elbow behind 17052
420	Building C 17053	1st Layer	Pipe Insulation Fabric - White	30	3rd Floor	Hallway	TSI	White	Elbow behind 17052
421	Building C 17053	2nd Layer	Bulk - White	30	3rd Floor	Hallway	TSI	White	Mudded Elbow
422	Building C 17054	1st Layer	Pipe Insulation Fabric - White	30	3rd Floor	Hallway	TSI	White	Mudded Elbow
423	Building C 17054	2nd Layer	Bulk - White	20	3rd Floor	Hallway	TSI	White	Mudded Elbow
424	Building C 17055	1st Layer	Pipe Insulation Fabric - White	20	3rd Floor	Hallway	TSI	White	Mudded Elbow
425	Building C 17055	2nd Layer	Bulk - White	20	3rd Floor	Hallway	TSI	White	Mudded Elbow
426	Building C 17056	1st Layer	Pipe Insulation Foil/Paper	10	3rd Floor	Hallway	TSI	Brown	4" Pipe
427	Building C 17057	1st Layer	Pipe Insulation Foil/Paper	10	3rd Floor	Hallway	TSI	Brown	2 1/2" Pipe
428	Building C 17058	1st Layer	Pipe Insulation Foil	10	3rd Floor	Hallway	TSI	Silver	AC Duct across from 318
429	Building C 17059	1st Layer	Pipe Insulation Fabric - White	10	3rd Floor	Hallway	TSI	White	4" Elbow across from 318
430	Building C 17059	2nd Layer	Bulk - White	10	3rd Floor	Hallway	TSI	White	4" Elbow across from 318
431	Building C 17060	1st Layer	Pipe Insulation Fabric - White	10	3rd Floor	Hallway	TSI	White	2 1/2" Elbow across from 318
432	Building C 17060	2nd Layer	Bulk - White	10	3rd Floor	Hallway	TSI	White	2 1/2" Elbow across from 318
433	Building C 17061	2nd Layer	Bulk - White	10	3rd Floor	Hallway	TSI	White	"T" on 3" Pipe by 318-319
434	Building C 17062	1st Layer	Pipe Insulation Fabric - White	10	3rd Floor	Hallway	TSI	White	2 1/4" elbow b/t 318-319
435	Building C 17062	2nd Layer	Bulk - White	10	3rd Floor	Hallway	TSI	White	2 1/4" elbow b/t 318-319
436	Building C 17063	2nd Layer	Bulk - White	10	3rd Floor	Hallway	TSI	White	2 1/4" elbow above 318 door
437	Building C 17064	2nd Layer	Bulk - White	10	3rd Floor	Hallway	TSI	White	"T" on 3" Pipe in front of 318
438	Building C 18055	2nd Layer	Plaster	10	2nd Floor	Hallway	Paster	Tan	Btw C201 & C202
439	Building C 18056	2nd Layer	Plaster	10	2nd Floor	C221	Paster	Tan	Across C304
440	Building C 18057	2nd Layer	Plaster	10	3rd Floor	Hallway	Paster	Tan	Pipe under stairs 2nd from bottom
441	Building C 18075	2nd Layer	Mastic - Dark	30	1st Floor	Stairwell	TSI	White	Pipe under stairs 2nd from bottom
442	Building C 18075	1st Layer	Pipe Insulation Foil - White	10	1st Floor	Stairwell	TSI	White	Pipe under stairs 3rd from bottom
443	Building C 18076	2nd Layer	Mastic - Dark	30	1st Floor	Stairwell	TSI	White	Pipe under stairs 3rd from bottom
444	Building C 18076	1st Layer	Pipe Insulation Foil - White	10	1st Floor	Stairwell	TSI	White	Pipe under stairs 2nd from bottom
445	Building C 18077	2nd Layer	Mastic - Dark	30	1st Floor	Stairwell	TSI	White	Pipe under stairs 2nd from bottom
446	Building C 18077	1st Layer	Pipe Insulation Foil - White	10	1st Floor	Stairwell	TSI	White	Pipe under stairs 2nd from bottom
447	Building C 18176	2nd Layer	Plaster - Green/White	10	1st Floor	C127	Plaster	Gray/White	to wire mesh
448	Building C 18177	2nd Layer	Sheetrock	20	1st Floor	Hallway	Sheetrock	White	Across C120
449	Building C 18190	2nd Layer	Paint/Plaster - Taupe	10	2nd Floor	C222	Plaster	Gray	to wire mesh
450	Building C 18192	2nd Layer	Plaster w/Glue - White	5	3rd Floor	Hallway	Plaster	Gray	Across C317

APPENDIX E

A	B	C	D	E	F	G	H	I	J
Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	Building H 16731	1 Layer	Floor Tile 9 X 9 - Beige	10	1st Floor	H 138	Floor Tile	Beige	9 X 9 Tile
2	Building H 16731	2 Layer	Mastic	10	1st Floor	H 138	Floor Tile	Beige	9 X 9 Tile
3	Building H 16732	1 Layer	Floor Tile 9 X 9 - Beige	10	1st Floor	Hallway	Floor Tile	Beige	9 X 9 Tile
4	Building H 16732	2 Layer	Mastic	10	1st Floor	Hallway	Floor Tile	Beige	9 X 9 Tile
5	Building H 16733	1 Layer	Floor Tile 9 X 9 - Beige	15	1st Floor	Hallway	Floor Tile	Beige	9 X 9 Tile
6	Building H 16733	2 Layer	Mastic	10	1st Floor	Hallway	Floor Tile	Beige	9 X 9 Tile
7	Building H 16734	2 Layer	Mastic - Black	20	1st Floor	H 138A	Floor Tile	Green	12 X 12 Tile
8	Building H 16735	2 Layer	Mastic - Black	30	1st Floor	H 138A	Floor Tile	Green	12 X 12 Tile
9	Building H 16736	2 Layer	Mastic - Black	20	1st Floor	H 138A	Floor Tile	Green	12 X 12 Tile
10	Building H 16737	1 Layer	Floor Tile - Green w/Black	10	1st Floor	H 138A	Floor Tile	Green w/Black	Unique Tile not seen elsewhere
11	Building H 16737	2 Layer	Mastic	10	1st Floor	H 138A	Floor Tile	Green w/Black	Unique Tile not seen elsewhere
12	Building H 16738	1 Layer	Pipe Insulation Fabric - White	10	1st Floor	H 138	TSI	Beige	
13	Building H 16738	1 Layer	Pipe Insulation Rubber	10	1st Floor	H 138	TSI	Beige	
14	Building H 16739	1 Layer	Bulk - White	10	1st Floor	H 138	TSI	Beige	
15	Building H 16739	2 Layer	Pipe Insulation Fabric - White	30	1st Floor	H 138	TSI	Beige	
16	Building H 16740	1 Layer	Bulk - White	40	1st Floor	H 138	TSI	Beige	
17	Building H 16740	2 Layer	Pipe Insulation Fabric - White	20	1st Floor	H 138	TSI	Beige	
18	Building H 16741	1 Layer	Pipe Insulation Fabric - White	80	1st Floor	H 138	TSI	Beige	
19	Building H 16741	2 Layer	Bulk - White	20	1st Floor	H 138A	Wall Tile	Green	4X4
20	Building H 16742	1 Layer	Pipe Insulation Fabric - White	20	1st Floor	H 138A	Wall Tile	Green	4X4
21	Building H 16743	1 Layer	Pipe Insulation Fabric - White	20	1st Floor	H 138A	Wall Tile	Green	4X4
22	Building H 16744	1 Layer	Pipe Insulation Fabric - White	20	1st Floor	H 138A	Wall Tile	Green	4X4
23	Building H 16744	2 Layer	Bulk - White	80	1st Floor	H 138A	Wall Tile	Green	4X4
24	Building H 16745	1 Layer	Ceramic Tile 4 X 4 - Green	20	1st Floor	H 138A	Wall Tile	White	12X12 - Next to B
25	Building H 16745	2 Layer	Mastic - Yellow	20	1st Floor	H 138A	Wall Tile	White	12X12 - Next to B
26	Building H 16746	1 Layer	Ceramic Tile 4 X 4 - Green	20	1st Floor	H 138A	Wall Tile	White	12X12 - Next to B
27	Building H 16746	2 Layer	Mastic - Yellow	20	1st Floor	H 138A	Wall Tile	Blue	12X12 - Outside 136&137
28	Building H 16747	1 Layer	Ceramic Tile 4 X 4 - Green	20	1st Floor	H 138A	Wall Tile	Blue	12X12 - Outside 136&137
29	Building H 16747	2 Layer	Mastic - Yellow	20	1st Floor	H 138A	Wall Tile	Lt. Brown	9X9
30	Building H 17467	2nd Layer	Mastic - Black	80	1st Floor	Hallway	Vinyl Tile	Lt. Brown	9X9
31	Building H 17468	2nd Layer	Mastic - Black	60	1st Floor	Hallway	Vinyl Tile	Lt. Brown	9X9
32	Building H 17469	2nd Layer	Mastic - Black	80	1st Floor	Hallway	Vinyl Tile	Lt. Brown	9X9
33	Building H 17471	3rd Layer	Bulk - Roll Vinyl	80	1st Floor	Hallway	Vinyl Tile	Lt. Brown	9X9
34	Building H 17472	3rd Layer	Bulk - Roll Vinyl	80	1st Floor	Hallway	Vinyl Tile	Lt. Brown	9X9
35	Building H 17473	1st Layer	Floor Tile - Tan	10	1st Floor	H 139	Vinyl Tile	Lt. Brown	9X9
36	Building H 17473	2nd Layer	Mastic - Yellow	10	1st Floor	H 139	Vinyl Tile	Lt. Brown	9X9
37	Building H 17474	1st Layer	Floor Tile - Tan	10	1st Floor	H 139	Vinyl Tile	Lt. Brown	9X9
38	Building H 17474	2nd Layer	Mastic - Yellow	10	1st Floor	H 139	Vinyl Tile	Lt. Brown	9X9
39	Building H 17475	1st Layer	Floor Tile - Tan	10	1st Floor	H 139	Vinyl Tile	Lt. Brown	9X9
40	Building H 17475	2nd Layer	Mastic - Yellow	10	1st Floor	H 139	Vinyl Tile	Lt. Brown	9X9

	A	B	C	D	E	F	G	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
41	Building H 17476	1st Layer	1st Layer	Floor Tile - Yellow/Green	10	1st Floor	H142A	Vinyl Tile	Yellow/Green	9X9
42	Building H 17476	2nd Layer	2nd Layer	Mastic - Black	40	1st Floor	H142A	Vinyl Tile	Yellow/Green	9X9
43	Building H 17477	1st Layer	1st Layer	Floor Tile - Yellow/Green	10	1st Floor	H142A	Vinyl Tile	Yellow/Green	9X9
44	Building H 17477	2nd Layer	2nd Layer	Mastic - Black	40	1st Floor	H142A	Vinyl Tile	Yellow/Green	9X9
45	Building H 17478	1st Layer	1st Layer	Floor Tile - Yellow/Green	10	1st Floor	H142A	Vinyl Tile	Yellow/Green	9X9
46	Building H 17478	2nd Layer	2nd Layer	Mastic - Black	40	1st Floor	H142A	Vinyl Tile	Yellow/Green	9X9
47	Building H 17479	2nd Layer	2nd Layer	Mastic - Black	60	1st Floor	Hallway	Vinyl Tile	Off White	12X12 - H118
48	Building H 17480	2nd Layer	2nd Layer	Mastic - Black	60	1st Floor	Hallway	Vinyl Tile	Off White	12X12 - H117
49	Building H 17481	2nd Layer	2nd Layer	Mastic - Black	30	1st Floor	Hallway	Vinyl Tile	White	9X9
50	Building H 17482	1st Layer	1st Layer	Floor Tile - White	30	1st Floor	H115	Vinyl Tile	White	9X9
51	Building H 17482	2nd Layer	2nd Layer	Mastic - Dark	30	1st Floor	H115	Vinyl Tile	White	9X9
52	Building H 17483	1st Layer	1st Layer	Floor Tile - White	20	1st Floor	H113	Vinyl Tile	White	9X9
53	Building H 17483	2nd Layer	2nd Layer	Mastic - Dark	30	1st Floor	H113	Vinyl Tile	White	9X9
54	Building H 17484	1st Layer	1st Layer	Floor Tile - White	20	1st Floor	H109	Vinyl Tile	White	9X9
55	Building H 17484	2nd Layer	2nd Layer	Mastic - Dark	30	1st Floor	H109	Vinyl Tile	White	9X9
56	Building H 17485	1st Layer	1st Layer	Floor Tile - Green	20	1st Floor	H111	Vinyl Tile	Green	9X9
57	Building H 17485	2nd Layer	2nd Layer	Mastic - Dark	30	1st Floor	H111	Vinyl Tile	Green	9X9
58	Building H 17486	1st Layer	1st Layer	Floor Tile - Green	10	1st Floor	H112	Vinyl Tile	Green	9X9
59	Building H 17486	2nd Layer	2nd Layer	Mastic - Dark	20	1st Floor	H112	Vinyl Tile	Green	9X9
60	Building H 17487	1st Layer	1st Layer	Floor Tile - Green	10	1st Floor	H112	Vinyl Tile	Green	9X9
61	Building H 17487	2nd Layer	2nd Layer	Mastic - Dark	20	1st Floor	H112	Vinyl Tile	Green	9X9
62	Building H 17488	1st Layer	1st Layer	Floor Tile - Golden	10	1st Floor	H110	Vinyl Tile	Yellow	9X9
63	Building H 17488	2nd Layer	2nd Layer	Mastic - Dark	20	1st Floor	H110	Vinyl Tile	Yellow	9X9
64	Building H 17489	1st Layer	1st Layer	Floor Tile - Golden	10	1st Floor	H110	Vinyl Tile	Yellow	9X9
65	Building H 17489	2nd Layer	2nd Layer	Mastic - Dark	20	1st Floor	H110	Vinyl Tile	Yellow	9X9
66	Building H 17490	1st Layer	1st Layer	Floor Tile - Golden	10	1st Floor	H110	Vinyl Tile	Yellow	9X9
67	Building H 17490	2nd Layer	2nd Layer	Mastic - Dark	20	1st Floor	H110	Vinyl Tile	Yellow	9X9
68	Building H 17491	2nd Layer	2nd Layer	Mastic - Black	20	1st Floor	H109A	Vinyl Tile	Green	12X12
69	Building H 17492	2nd Layer	2nd Layer	Mastic - Black	20	1st Floor	H109A	Vinyl Tile	Green	12X12
70	Building H 17493	2nd Layer	2nd Layer	Mastic - Black	20	1st Floor	H109A	Vinyl Tile	Green	12X12
71	Building H 17494	1st Layer	1st Layer	Floor Tile Vinyl Roll - Yellow	80	1st Floor	H142	Linoleum	Yellow	White tile underneath
72	Building H 17495	1st Layer	1st Layer	Floor Tile Vinyl Roll - Yellow	80	1st Floor	H142	Linoleum	Yellow	White tile underneath
73	Building H 17496	1st Layer	1st Layer	Floor Tile Vinyl Roll - Yellow	80	1st Floor	H142	Linoleum	Yellow	White tile underneath
74	Building H 17541	1st Layer	1st Layer	Ceiling Tile - Tan w/Brown Sp	10	1st Floor	H115A	Ceramic Wall Tile	Tan w/specks	4X4 Wall
75	Building H 17541	2nd Layer	2nd Layer	Mastic - Yellow	10	1st Floor	H115A	Ceramic Wall Tile	Tan w/specks	4X4 Wall
76	Building H 17542	1st Layer	1st Layer	Ceramic Tile - Tan w/Brown S	10	1st Floor	H113A	Ceramic Wall Tile	Tan w/specks	4X4 Wall
77	Building H 17542	2nd Layer	2nd Layer	Mastic - Yellow	10	1st Floor	H113A	Ceramic Wall Tile	Tan w/specks	4X4 Wall
78	Building H 17543	1st Layer	1st Layer	Ceramic Tile - Tan w/Brown S	10	1st Floor	H110A	Ceramic Wall Tile	Tan w/specks	4X4 Wall
79	Building H 17543	2nd Layer	2nd Layer	Mastic - Yellow	10	1st Floor	H110A	Ceramic Wall Tile	Tan w/specks	4X4 Wall

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	Building H 17544	1st Layer	Ceramic Tile - Green	10 1st Floor	H111A	Ceramic Wall Tile	Green	4X4 Wall		
80	Building H 17544	2nd Layer	Mastic - Yellow	10 1st Floor	H111A	Ceramic Wall Tile	Green	4X4 Wall		
81	Building H 17544	1st Layer	Ceramic Tile - Green	10 1st Floor	H112A	Ceramic Wall Tile	Green	4X4 Wall		
82	Building H 17545	2nd Layer	Mastic - Yellow	10 1st Floor	H112A	Ceramic Wall Tile	Green	4X4 Wall		
83	Building H 17545	1st Layer	Ceramic Tile - Green	10 1st Floor	H117A	Ceramic Wall Tile	Green	4X4 Wall		
84	Building H 17546	2nd Layer	Mastic - Yellow	10 1st Floor	H117A	Ceramic Wall Tile	Green	4X4 Wall		
85	Building H 17546	1st Layer	Ceramic Tile - Green	10 1st Floor	H115A	Ceramic Wall Tile	Tan w/specks	2X6 Wall		
86	Building H 17547	2nd Layer	Mastic - Yellow	10 1st Floor	H115A	Ceramic Wall Tile	Tan w/specks	2X6 Wall		
87	Building H 17547	1st Layer	Ceramic Tile - Tan w/Brown S	10 1st Floor	H113A	Ceramic Wall Tile	Tan w/specks	2X6 Wall		
88	Building H 17548	2nd Layer	Mastic - Yellow	10 1st Floor	H113A	Ceramic Wall Tile	Tan w/specks	2X6 Wall		
89	Building H 17548	1st Layer	Ceramic Tile - Yellow	10 1st Floor	H110A	Ceramic Wall Tile	Tan w/specks	2X6 Wall		
90	Building H 17549	2nd Layer	Mastic - Yellow	10 1st Floor	H110A	Ceramic Wall Tile	Tan w/specks	2X6 Wall		
91	Building H 17549	1st Layer	Ceramic Tile - Green	10 1st Floor	H112A	Ceramic Wall Tile	Green	2X6 Wall		
92	Building H 17550	2nd Layer	Mastic - Yellow	10 1st Floor	H112A	Ceramic Wall Tile	Green	2X6 Wall		
93	Building H 17550	1st Layer	Ceramic Tile - Yellow	10 1st Floor	H111A	Ceramic Wall Tile	Green	2X6 Wall		
94	Building H 17551	2nd Layer	Mastic - Yellow	10 1st Floor	H111A	Ceramic Wall Tile	Green	2X6 Wall		
95	Building H 17551	1st Layer	Ceramic Tile - Green	10 1st Floor	H117A	Ceramic Wall Tile	Green	2X6 Wall		
96	Building H 17552	2nd Layer	Mastic - Yellow	10 1st Floor	H117A	Ceramic Wall Tile	Green	2X6 Wall		
97	Building H 17552	1st Layer	Ceramic Tile - Green	10 1st Floor	H117A	Ceramic Wall Tile	Green	2X6 Wall		
98	Building H 17553	2nd Layer	Mastic - Yellow	10 1st Floor	H117A	Ceramic Wall Tile	Green	2X6 Wall		
99	Building H 17553	1st Layer	Ceramic Tile - Yellow	10 1st Floor	Hall near E	Ceramic Wall Tile	Yellow	4X4 wall		
100	Building H 17560	2nd Layer	Mastic - Yellow	10 1st Floor	Hall near E	Ceramic Wall Tile	Yellow	4X4 wall		
101	Building H 17560	3rd Layer	Roll Vinyl w/ Mastic - Yellow	20 1st Floor	H137	Carpet	Brown/Blue			
102	Building H 17560	2nd Layer	Roll Vinyl - Pebble	20 1st Floor	H137	Carpet	Brown/Blue			
103	Building H 17561	3rd Layer	Roll Vinyl w/ Mastic - Yellow	20 1st Floor	H137	Carpet	Brown/Blue			
104	Building H 17561	2nd Layer	Roll Vinyl - Pebble	20 1st Floor	H137	Carpet	Brown/Blue			
105	Building H 17562	3rd Layer	Roll Vinyl w/ Mastic - Yellow	20 1st Floor	H137	Carpet	Brown/Blue			
106	Building H 17566	3rd Layer	Mastic - Dark	10 1st Floor	Hallway	Vinyl base mould	Gray	Outside H139		
107	Building H 17567	3rd Layer	Mastic - Dark	10 1st Floor	Hallway	Vinyl base mould	Gray	Outside H141		
108	Building H 17568	3rd Layer	Mastic - Dark	10 1st Floor	Hallway	Vinyl base mould	Gray	Outside H134		
109	Building H 17569	3rd Layer	Mastic - Dark	10 1st Floor	H139	Vinyl base mould	Tan			
110	Building H 17570	3rd Layer	Mastic - Dark	10 1st Floor	H139	Vinyl base mould	Tan			
111	Building H 17571	3rd Layer	Mastic - Dark	10 1st Floor	H139	Vinyl base mould	Tan			
112	Building H 17572	1st Layer	Ceramic Tile - Yellow	10 1st Floor	Hallway ne	Ceramic Wall Tile	Yellow	4X4 Area B		
113	Building H 17572	2nd Layer	Grout - White	10 1st Floor	Hallway ne	Ceramic Wall Tile	Yellow	4X4 Area B		
114	Building H 17573	1st Layer	Ceramic Tile - Yellow	10 1st Floor	Hallway ne	Ceramic Wall Tile	Yellow	4X4 Stairwell		
115	Building H 17573	2nd Layer	Grout - White	10 1st Floor	Hallway ne	Ceramic Wall Tile	Yellow	4X4 Stairwell		
116	Building H 17574	1st Layer	Ceramic Tile - White	10 1st Floor	Hallway -	Ceramic Wall Tile	White	4X4 by H119		
117	Building H 17574	2nd Layer	Mastic - Yellow	20 1st Floor	Hallway -	Ceramic Wall Tile	White	4X4 by H119		
118	Building H 17575	1st Layer	Ceramic Tile - White	10 1st Floor	H119	Ceramic Wall Tile	White	4X4 by Fuse Box		

	A	B	C	D	E	F	G	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
119	Building H 17575	2nd Layer	2nd Layer	Mastic - White	20	1st Floor	H119	Ceramic Wall Tile	White	4X4 by Fuse Box
120	Building H 17576	1st Layer	1st Layer	Ceramic Tile - White	10	1st Floor	Hallway -	Ceramic Wall Tile	White	4X4 by H119
121	Building H 17576	2nd Layer	2nd Layer	Mastic - White	20	1st Floor	Hallway -	Ceramic Wall Tile	White	4X4 by H119
122	Building H 17577	1st Layer	1st Layer	Ceramic Tile - White	10	1st Floor	Hallway -	Ceramic Wall Tile	White	2X6 by H119
123	Building H 17577	2nd Layer	2nd Layer	Mastic - Yellow	10	1st Floor	Hallway -	Ceramic Wall Tile	White	2X6 by H119
124	Building H 17578	1st Layer	1st Layer	Ceramic Tile - White	10	1st Floor	Hallway -	Ceramic Wall Tile	White	2X6 by H119
125	Building H 17578	2nd Layer	2nd Layer	Mastic - Yellow	10	1st Floor	Hallway -	Ceramic Wall Tile	White	2X6 by H119
126	Building H 17579	1st Layer	1st Layer	Ceramic Tile - White	10	1st Floor	Hallway -	Ceramic Wall Tile	White	2X6 by H119
127	Building H 17579	2nd Layer	2nd Layer	Mastic - Yellow	20	1st Floor	Hallway -	Ceramic Wall Tile	White	2X6 by H119
128	Building H 17592	3rd Layer	3rd Layer	Mastic - Dark	10	1st Floor	H115	Vinyl base mould	Brown	
129	Building H 17593	3rd Layer	3rd Layer	Mastic - Dark	10	1st Floor	H114	Vinyl base mould	Brown	
130	Building H 17594	3rd Layer	3rd Layer	Mastic - Dark	10	1st Floor	H114	Vinyl base mould	Brown	
131	Building H 17598	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Vinyl base mould	Green	
132	Building H 17599	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	H120	Vinyl base mould	Green	
133	Building H 17600	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Vinyl base mould	Green	
134	Building H 17601	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	H139A	Acoustic Tile	White	
135	Building H 17602	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	H139A	Acoustic Tile	White	
136	Building H 17603	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	H139A	Acoustic Tile	White	
137	Building H 17604	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Acoustic Tile	White	
138	Building H 17605	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Acoustic Tile	White	
139	Building H 17606	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Acoustic Tile	White	
140	Building H 17607	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Acoustic Tile	White	12" Tile
141	Building H 17608	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H118
142	Building H 17609	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H118
143	Building H 17610	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H116
144	Building H 17611	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H116
145	Building H 17612	2nd Layer	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H116
146	Building H 17631	2nd Layer	2nd Layer	Plaster	10	2nd Floor	H235	Paint	Yellow	On Plaster
147	Building H 17632	2nd Layer	2nd Layer	Plaster	10	2nd Floor	Hallway	Paint	Yellow	On Plaster - Beside H237
148	Building H 17633	2nd Layer	2nd Layer	Sheetrock	20	2nd Floor	Hallway	Paint	Yellow	On Sheetrock
149	Building H 17639	2nd Layer	2nd Layer	Plaster	10	2nd Floor	Hallway	Paint	Beige	Across from H216
150	Building H 17640	2nd Layer	2nd Layer	Plaster - ???	10	2nd Floor	Stairwell	Paint	White	
151	Building H 17641	2nd Layer	2nd Layer	Plaster - ???	10	2nd Floor	Stairwell	Paint	White	
152	Building H 17642	2nd Layer	2nd Layer	Plaster - ???	10	2nd Floor	Stairwell	Paint	White	
153	Building H 17646	1st Layer	1st Layer	Ceramic Tile - Tan w/Brown specks	10	2nd Floor	Hallway	Ceramic Wall Tile	Tan w/specks	
154	Building H 17646	2nd Layer	2nd Layer	Mastic - Yellow	10	2nd Floor	Hallway	Ceramic Wall Tile	Tan w/specks	
155	Building H 17647	1st Layer	1st Layer	Ceramic Tile - Tan w/Brown specks	10	2nd Floor	H224A	Ceramic Wall Tile	Tan w/specks	
156	Building H 17647	2nd Layer	2nd Layer	Mastic - Yellow	10	2nd Floor	H224A	Ceramic Wall Tile	Tan w/specks	
157	Building H 17648	1st Layer	1st Layer	Ceramic Tile - Tan w/Brown specks	10	2nd Floor	Hallway	Ceramic Wall Tile	Tan w/specks	

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
1	Building H 17648	2nd Layer	Mastic - Yellow	10	2nd Floor	Hallway		Ceramic Wall Tile	Tan w/specks	
158	Building H 17648	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H220A		Ceramic Wall Tile	Tan w/specks	
159	Building H 17649	2nd Layer	Mastic - Yellow	10	2nd Floor	H220A		Ceramic Wall Tile	Tan w/specks	
160	Building H 17649	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H221		Ceramic Wall Tile	Tan w/specks	
161	Building H 17650	2nd Layer	Mastic - Yellow	10	2nd Floor	H221		Ceramic Wall Tile	Tan w/specks	
162	Building H 17650	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H224A		Ceramic Wall Tile	Tan w/specks	2X6
163	Building H 17651	2nd Layer	Mastic - Yellow	10	2nd Floor	H224A		Ceramic Wall Tile	Tan w/specks	2X6
164	Building H 17651	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H224A		Ceramic Wall Tile	Tan w/specks	2X6
165	Building H 17652	2nd Layer	Mastic - Yellow	10	2nd Floor	H220A		Ceramic Wall Tile	Tan w/specks	2X6
166	Building H 17652	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H220A		Ceramic Wall Tile	Tan w/specks	2X6
167	Building H 17653	2nd Layer	Mastic - Yellow	10	2nd Floor	H220A		Ceramic Wall Tile	Tan w/specks	2X6
168	Building H 17653	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H219A		Ceramic Wall Tile	Tan w/specks	2X6
169	Building H 17654	2nd Layer	Mastic - Yellow	10	2nd Floor	H219A		Ceramic Wall Tile	Tan w/specks	2X6
170	Building H 17654	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H225A		Ceramic Wall Tile	Green	4X4
171	Building H 17655	2nd Layer	Mastic - Yellow	10	2nd Floor	H225A		Ceramic Wall Tile	Green	4X4
172	Building H 17655	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H222A		Ceramic Wall Tile	Green	4X4
173	Building H 17656	2nd Layer	Mastic - Yellow	10	2nd Floor	H222A		Ceramic Wall Tile	Green	4X4
174	Building H 17656	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H221		Ceramic Wall Tile	Green	4X4
175	Building H 17657	2nd Layer	Mastic - Yellow	10	2nd Floor	H225A		Ceramic Wall Tile	Green	2X6
176	Building H 17657	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H225A		Ceramic Wall Tile	Green	2X6
177	Building H 17658	2nd Layer	Mastic - Yellow	10	2nd Floor	H222A		Ceramic Wall Tile	Green	2X6
178	Building H 17658	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H222A		Ceramic Wall Tile	Green	2X6
179	Building H 17659	2nd Layer	Mastic - Yellow	10	2nd Floor	H221		Ceramic Wall Tile	Green	2X6
180	Building H 17659	1st Layer	Ceramic Tile - Tan w/Brown s	10	2nd Floor	H221		Ceramic Wall Tile	Green	2X6
181	Building H 17666	2nd Layer	Mastic - Black	20	2nd Floor	H241A		Floor Tile	White	
182	Building H 17667	2nd Layer	Mastic - Black	20	2nd Floor	H237		Floor Tile	White	
183	Building H 17668	2nd Layer	Mastic - Black	20	2nd Floor	H238		Floor Tile	White	
184	Building H 17669	1st Layer	Floor Tile - Lt. Brown	10	2nd Floor	Hallway		Floor Tile	Brown w/spec	Outside of H236
185	Building H 17669	2nd Layer	Mastic - Yellow	10	2nd Floor	Hallway		Floor Tile	Brown w/spec	Outside of H236
186	Building H 17670	1st Layer	Floor Tile - Lt. Brown	10	2nd Floor	Hallway		Floor Tile	Brown w/spec	Outside of H236
187	Building H 17670	2nd Layer	Mastic - Yellow	10	2nd Floor	Hallway		Floor Tile	Brown w/spec	Outside of H236
188	Building H 17671	1st Layer	Floor Tile - Lt. Brown	10	2nd Floor	Hallway		Floor Tile	Brown w/spec	Outside of H236
189	Building H 17671	2nd Layer	Mastic - Yellow	20	2nd Floor	H225		Floor Tile	Green	9X9
190	Building H 17672	1st Layer	Floor Tile - Green	10	2nd Floor	H225		Floor Tile	Green	9X9
191	Building H 17672	2nd Layer	Mastic - Dark	20	2nd Floor	H225		Floor Tile	Green	9X9
192	Building H 17673	1st Layer	Floor Tile - Green	10	2nd Floor	H225		Floor Tile	Green	9X9
193	Building H 17673	2nd Layer	Mastic - Dark	20	2nd Floor	H222		Floor Tile	Green	9X9
194	Building H 17674	1st Layer	Floor Tile - Green	10	2nd Floor	H222		Floor Tile	Green	9X9
195	Building H 17674	2nd Layer	Mastic - Dark	20	2nd Floor	H222		Floor Tile	Green	9X9
196	Building H 17678	1st Layer	Floor Tile - Tan	10	2nd Floor	H228		Floor Tile	Tan	9X9

	A	B	C	D	E	F	G	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
197	Building H	17678	2nd Layer	Mastic - Yellow	10	2nd Floor	H228	Floor Tile	Tan	9X9
198	Building H	17679	1st Layer	Floor Tile - Tan	10	2nd Floor	H228	Floor Tile	Tan	9X9
199	Building H	17679	2nd Layer	Mastic - Yellow	10	2nd Floor	H228	Floor Tile	Tan	9X9
200	Building H	17680	1st Layer	Floor Tile - Tan	10	2nd Floor	H228	Floor Tile	Tan	9X9
201	Building H	17680	2nd Layer	Mastic - Yellow	10	2nd Floor	H228	Floor Tile	Tan	9X9
202	Building H	17699	2nd Layer	Sheetrock	30	2nd Floor	Hallway	Sheetrock	White	By Elevator
203	Building H	17700	2nd Layer	Sheetrock	30	2nd Floor	Hallway	Sheetrock	White	By Elevator
204	Building H	17701	2nd Layer	Sheetrock	40	2nd Floor	Hallway	Sheetrock	White	By Elevator
205	Building H	17702	1st Layer	Ceiling Material	40	2nd Floor	Hallway	Ceiling Tile	White	1X1 - With holes
206	Building H	17703	1st Layer	Ceiling Material	40	2nd Floor	Hallway	Ceiling Tile	White	1X1 - With holes
207	Building H	17704	1st Layer	Ceiling Material	60	2nd Floor	Hallway	Ceiling Tile	White	1X1 - With holes
208	Building H	17705	1st Layer	Ceiling Material	10	2nd Floor	Hallway	Ceiling Tile	White	1X1 - Without holes
209	Building H	17706	1st Layer	Ceiling Material	10	2nd Floor	Hallway	Ceiling Tile	White	1X1 - Without holes
210	Building H	17707	1st Layer	Ceiling Material	10	2nd Floor	Hallway	Ceiling Tile	White	1X1 - Without holes
211	Building H	17708	2nd Layer	Mastic - Dark	10	2nd Floor	Hallway	Ceiling Tile	White	1X1 - Without holes
212	Building H	17709	2nd Layer	Mastic - Dark	10	2nd Floor	Hallway	Ceiling Tile	White	1X1 - Acoustic Tile
213	Building H	17710	2nd Layer	Mastic - Dark	10	2nd Floor	Hallway	Ceiling Tile	White	1X1 - Acoustic Tile
214	Building H	17720	2nd Layer	Sheetrock	10	2nd Floor	Hallway	Ceiling Tile	White	1X1 - Acoustic Tile
215	Building H	17721	2nd Layer	Sheetrock	10	3rd Floor	Hallway	Paint	Cream	Next to H359
216	Building H	17728	2nd Layer	Sheetrock	10	3rd Floor	Hallway	Paint	Cream	Across from H358
217	Building H	17729	2nd Layer	Sheetrock	40	3rd Floor	H343	Paint	White	On sheetrock
218	Building H	17736	2nd Layer	Plaster	10	3rd Floor	Stairwell	Paint	White	On sheetrock
219	Building H	17737	2nd Layer	Plaster	10	3rd Floor	Stairwell	Paint	Green	On Plaster
220	Building H	17738	2nd Layer	Plaster	10	3rd Floor	Stairwell	Paint	Green	On Plaster
221	Building H	17742	1st Layer	Ceramic Tile - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
222	Building H	17742	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
223	Building H	17743	1st Layer	Ceramic Tile - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
224	Building H	17743	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
225	Building H	17744	1st Layer	Ceramic Tile - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
226	Building H	17744	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
227	Building H	17745	1st Layer	Ceramic Tile - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
228	Building H	17745	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
229	Building H	17746	1st Layer	Ceramic Tile - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
230	Building H	17746	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
231	Building H	17747	1st Layer	Ceramic Tile - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
232	Building H	17747	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	White	3X6 Bullnose
233	Building H	17748	1st Layer	Ceramic Tile - Green	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6 Bullnose
234	Building H	17748	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6 Bullnose
235	Building H	17749	1st Layer	Ceramic Tile - Green	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6 Bullnose

	A	B	C	D	E	F	G	H	I	J
1	Building H	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
236	Building H	17749	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6 Bullnose
237	Building H	17750	1st Layer	Ceramic Tile - Green	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6 Bullnose
238	Building H	17750	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6 Bullnose
239	Building H	17751	1st Layer	Ceramic Tile - Green	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6
240	Building H	17751	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6
241	Building H	17752	1st Layer	Ceramic Tile - Green	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6
242	Building H	17752	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6
243	Building H	17753	1st Layer	Ceramic Tile - Green	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6
244	Building H	17753	2nd Layer	Mastic - White	10	3rd Floor	H347	Ceramic Wall Tile	Cream	3X6
245	Building H	17754	1st Layer	Ceramic Tile - Tan w/Brown S	10	3rd Floor	H341	Ceramic Wall Tile	Brown w/Spec	4X4
246	Building H	17754	2nd Layer	Mastic - Yellow	10	3rd Floor	H341	Ceramic Wall Tile	Brown w/Spec	4X4
247	Building H	17755	1st Layer	Ceramic Tile - Tan w/Brown S	10	3rd Floor	H356	Ceramic Wall Tile	Brown w/Spec	4X4
248	Building H	17755	2nd Layer	Mastic - Yellow	10	3rd Floor	H356	Ceramic Wall Tile	Brown w/Spec	4X4
249	Building H	17756	1st Layer	Ceramic Tile - Tan w/Brown S	10	3rd Floor	H354A	Ceramic Wall Tile	Brown w/Spec	4X4
250	Building H	17756	2nd Layer	Mastic - Yellow	10	3rd Floor	H354A	Ceramic Wall Tile	Brown w/Spec	4X4
251	Building H	17757	1st Layer	Ceramic Tile - Tan w/Brown S	10	3rd Floor	H356	Ceramic Wall Tile	Brown w/Spec	4X4
252	Building H	17757	2nd Layer	Mastic - Yellow	10	3rd Floor	H356	Ceramic Wall Tile	Brown w/Spec	4X4
253	Building H	17758	1st Layer	Ceramic Tile - Tan w/Brown S	10	3rd Floor	H354A	Ceramic Wall Tile	Brown w/Spec	4X4
254	Building H	17758	2nd Layer	Mastic - Yellow	10	3rd Floor	H354A	Ceramic Wall Tile	Brown w/Spec	4X4
255	Building H	17759	1st Layer	Ceramic Tile - Tan w/Brown S	10	3rd Floor	H350	Ceramic Wall Tile	Brown w/Spec	4X4
256	Building H	17759	2nd Layer	Mastic - Yellow	10	3rd Floor	H350	Ceramic Wall Tile	Brown w/Spec	4X4
257	Building H	17760	1st Layer	Ceramic Tile - Green	10	3rd Floor	H357	Ceramic Wall Tile	Green	2X6
258	Building H	17760	2nd Layer	Mastic - Yellow	10	3rd Floor	H357	Ceramic Wall Tile	Green	2X6
259	Building H	17761	1st Layer	Ceramic Tile - Green	10	3rd Floor	H344	Ceramic Wall Tile	Green	2X6
260	Building H	17761	2nd Layer	Mastic - Yellow	15	3rd Floor	H344	Ceramic Wall Tile	Green	2X6
261	Building H	17762	1st Layer	Ceramic Tile - Green	10	3rd Floor	H355	Ceramic Wall Tile	Green	2X6
262	Building H	17762	2nd Layer	Mastic - Yellow	10	3rd Floor	H355	Ceramic Wall Tile	Green	2X6
263	Building H	17763	1st Layer	Ceramic Tile - Green	10	3rd Floor	H357	Ceramic Wall Tile	Green	4X4
264	Building H	17763	2nd Layer	Mastic - Yellow	10	3rd Floor	H357	Ceramic Wall Tile	Green	4X4
265	Building H	17764	1st Layer	Ceramic Tile - Green	10	3rd Floor	H344	Ceramic Wall Tile	Green	4X4
266	Building H	17764	2nd Layer	Mastic - Yellow	10	3rd Floor	H344	Ceramic Wall Tile	Green	4X4
267	Building H	17765	1st Layer	Ceramic Tile - Green	10	3rd Floor	H355	Ceramic Wall Tile	Green	4X4
268	Building H	17765	2nd Layer	Mastic - Yellow	10	3rd Floor	H355	Ceramic Wall Tile	Green	4X4
269	Building H	17766	1st Layer	Floor Tile - Cream	10	3rd Floor	H342	Vinyl Tile	Cream	9X9
270	Building H	17766	2nd Layer	Mastic - Yellow	20	3rd Floor	H342	Vinyl Tile	Cream	9X9
271	Building H	17767	1st Layer	Floor Tile - Cream	10	3rd Floor	H342	Vinyl Tile	Cream	9X9
272	Building H	17767	2nd Layer	Mastic - Yellow	10	3rd Floor	H342	Vinyl Tile	Cream	9X9
273	Building H	17768	1st Layer	Floor Tile - Cream	10	3rd Floor	H342	Vinyl Tile	Cream	9X9
274	Building H	17768	2nd Layer	Mastic - Yellow	10	3rd Floor	H342	Vinyl Tile	Cream	9X9

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	Building H	17769	1st Layer	Floor Tile - Brown	15	3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 341
275	Building H	17769	2nd Layer	Mastic - Black	10	3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 341
276	Building H	17770	1st Layer	Floor Tile - Brown	10	3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 359
277	Building H	17770	2nd Layer	Mastic - Black	10	3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 359
278	Building H	17771	1st Layer	Floor Tile - Brown	10	3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 357
279	Building H	17771	2nd Layer	Mastic - Black	10	3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 357
280	Building H	17772	1st Layer	Floor Tile - Green	10	3rd Floor	H344	Vinyl Tile	Green	9X9 Outside 357
281	Building H	17772	2nd Layer	Mastic - Yellow	10	3rd Floor	H344	Vinyl Tile	Green	9X9
282	Building H	17773	1st Layer	Floor Tile - Green	10	3rd Floor	H346	Vinyl Tile	Green	9X9
283	Building H	17773	2nd Layer	Mastic - Yellow	10	3rd Floor	H346	Vinyl Tile	Green	9X9
284	Building H	17774	1st Layer	Floor Tile - Green	10	3rd Floor	H355	Vinyl Tile	Green	9X9
285	Building H	17774	2nd Layer	Mastic - Yellow	10	3rd Floor	H355	Vinyl Tile	Green	9X9
286	Building H	17784	1st Layer	Mastic - Dark	10	3rd Floor	Hallway	CT Adhesive	Brown	Next to 359
287	Building H	17785	2nd Layer	Mastic - Dark	10	3rd Floor	Hallway	CT Adhesive	Brown	Outside 357
288	Building H	17786	2nd Layer	Mastic - Dark	10	3rd Floor	Hallway	CT Adhesive	Brown	Outside
289	Building H	17787	1st Layer	Felt Backing	50	3rd Floor	H346	Felt	Black	Behind Wall
290	Building H	17788	1st Layer	Felt Backing	50	3rd Floor	H346	Felt	Black	Behind Wall
291	Building H	17789	1st Layer	Felt Backing	40	3rd Floor	H346	Felt	Black	Behind Wall
292	Building H	17806	1st Layer	Wallpaper - Green	15	3rd Floor	Hallway	Wallpaper	Green	Outside 327
293	Building H	17807	1st Layer	Wallpaper - Green	10	3rd Floor	Hallway	Wallpaper	Green	Outside 329
294	Building H	17808	1st Layer	Wallpaper - Green	20	3rd Floor	Hallway	Wallpaper	Green	Outside 330
295	Building H	17809	1st Layer	Ceramic Tile - Green	10	3rd Floor	H328	Ceramic Wall Tile	Green	2X6 Top Bullnose
296	Building H	17809	2nd Layer	Mastic - Yellow	10	3rd Floor	H328	Ceramic Wall Tile	Green	2X6 Top Bullnose
297	Building H	17810	1st Layer	Ceramic Tile - Green	10	3rd Floor	H329	Ceramic Wall Tile	Green	2X6 Top Bullnose
298	Building H	17810	2nd Layer	Mastic - Yellow	10	3rd Floor	H329	Ceramic Wall Tile	Green	2X6 Top Bullnose
299	Building H	17811	1st Layer	Ceramic Tile - Green	10	3rd Floor	H329	Ceramic Wall Tile	Green	2X6 Top Bullnose
300	Building H	17811	2nd Layer	Mastic - Yellow	10	3rd Floor	H329	Ceramic Wall Tile	Green	2X6 Top Bullnose
301	Building H	17812	1st Layer	Ceramic Tile - Green	10	3rd Floor	H329	Ceramic Wall Tile	Green	2X6 Top Bullnose
302	Building H	17813	1st Layer	Ceramic Tile - Green	10	3rd Floor	H328	Ceramic Wall Tile	Green	2X6 Top Bullnose
303	Building H	17814	1st Layer	Ceramic Tile - Green	10	3rd Floor	H329	Ceramic Wall Tile	Green	2X6 Top Bullnose
304	Building H	17815	1st Layer	Ceramic Tile - Green	15	3rd Floor	H329	Ceramic Wall Tile	Green	2X6
305	Building H	17815	2nd Layer	Mastic - ????	10	3rd Floor	H328	Ceramic Wall Tile	Green	2X6
306	Building H	17816	1st Layer	Ceramic Tile - Green	15	3rd Floor	H328	Ceramic Wall Tile	Green	1X6 Top Bullnose
307	Building H	17816	2nd Layer	Mastic - ????	10	3rd Floor	H329	Ceramic Wall Tile	Green	1X6 Top Bullnose
308	Building H	17817	1st Layer	Ceramic Tile - Green	15	3rd Floor	H329	Ceramic Wall Tile	Green	1X6 Top Bullnose
309	Building H	17817	2nd Layer	Mastic - ????	10	3rd Floor	H329	Ceramic Wall Tile	Green	1X6 Top Bullnose
310	Building H	17818	1st Layer	Ceramic Tile - Green	15	3rd Floor	H329	Ceramic Wall Tile	Green	1X6 Top Bullnose
311	Building H	17818	2nd Layer	Mastic - ????	10	3rd Floor	H328	Ceramic Wall Tile	Green	1X6 Top Bullnose
312	Building H	17818	1st Layer	Ceramic Tile - Green	10	3rd Floor	H328	Ceramic Wall Tile	Green	2X6 Side Bullnose
313	Building H	17819	2nd Layer	Mastic - ????	15	3rd Floor	H328	Ceramic Wall Tile	Green	2X6 Side Bullnose
314	Building H	17819	1st Layer	Ceramic Tile - Green	10	3rd Floor	H329	Ceramic Wall Tile	Green	2X6 Side Bullnose

	A	B	C	D	E	F	G	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestd	Floor	Room	Material	Color	Field Description
314	Building H	17819	2nd Layer	Mastic - ????	15	3rd Floor	H329	Ceramic Wall Tile	Green	2X6 Side Bullnose
315	Building H	17820	1st Layer	Ceramic Tile - Green	10	3rd Floor	H329	Ceramic Wall Tile	Green	2X6 Side Bullnose
316	Building H	17820	2nd Layer	Mastic - ????	15	3rd Floor	H329	Ceramic Wall Tile	Green	2X6 Side Bullnose
317	Building H	17821	1st Layer	Ceramic Tile - Black	10	3rd Floor	H332	Ceramic Wall Tile	Black	6X6 Base Tile
318	Building H	17821	2nd Layer	Mastic - ????	10	3rd Floor	H332	Ceramic Wall Tile	Black	6X6 Base Tile
319	Building H	17822	1st Layer	Ceramic Tile - Black	10	3rd Floor	H332	Ceramic Wall Tile	Black	6X6 Base Tile
320	Building H	17822	2nd Layer	Mastic - ????	10	3rd Floor	H332	Ceramic Wall Tile	Black	6X6 Base Tile
321	Building H	17823	1st Layer	Ceramic Tile - Black	10	3rd Floor	H332	Ceramic Wall Tile	Black	6X6 Base Tile
322	Building H	17823	2nd Layer	Mastic - ????	10	3rd Floor	H332	Ceramic Wall Tile	Black	6X6 Base Tile
323	Building H	17824	1st Layer	Ceramic Tile - White	10	3rd Floor	H332	Ceramic Wall Tile	White	2X6 Bullnose
324	Building H	17824	2nd Layer	Mastic - ????	10	3rd Floor	H332	Ceramic Wall Tile	White	2X6 Bullnose
325	Building H	17825	1st Layer	Ceramic Tile - White	10	3rd Floor	H332	Ceramic Wall Tile	White	2X6 Bullnose
326	Building H	17825	2nd Layer	Mastic - ????	10	3rd Floor	H332	Ceramic Wall Tile	White	2X6 Bullnose
327	Building H	17826	1st Layer	Ceramic Tile - White	10	3rd Floor	H332	Ceramic Wall Tile	White	2X6 Bullnose
328	Building H	17826	2nd Layer	Mastic - ????	10	3rd Floor	H332	Ceramic Wall Tile	White	2X6 Bullnose
329	Building H	17827	1st Layer	Ceramic Tile - White	10	3rd Floor	H332	Ceramic Wall Tile	White	4X4
330	Building H	17827	2nd Layer	Mastic - ????	15	3rd Floor	H332	Ceramic Wall Tile	White	4X4
331	Building H	17828	1st Layer	Ceramic Tile - White	10	3rd Floor	H332	Ceramic Wall Tile	White	4X4
332	Building H	17828	2nd Layer	Mastic - ????	15	3rd Floor	H332	Ceramic Wall Tile	White	4X4
333	Building H	17829	1st Layer	Ceramic Tile - White	10	3rd Floor	H332	Ceramic Wall Tile	White	4X4
334	Building H	17829	2nd Layer	Mastic - ????	15	3rd Floor	H332	Ceramic Wall Tile	White	4X4
335	Building H	17830	1st Layer	Floor Tile - White	10	3rd Floor	H332	Ceramic Wall Tile	White	9X9
336	Building H	17830	2nd Layer	Mastic - Black	20	3rd Floor	H332	Vinyl Tile	White	9X9
337	Building H	17831	1st Layer	Floor Tile - White	10	3rd Floor	H332	Vinyl Tile	White	9X9
338	Building H	17831	2nd Layer	Mastic - Black	20	3rd Floor	H332	Vinyl Tile	White	9X9
339	Building H	17832	1st Layer	Floor Tile - White	10	3rd Floor	H332	Vinyl Tile	White	9X9
340	Building H	17832	2nd Layer	Mastic - Black	20	3rd Floor	H332	Vinyl Tile	White	9X9
341	Building H	17833	1st Layer	Floor Tile - Green w/Black Spe	10	3rd Floor	H332	Vinyl Tile	Green	9X9 - Br. Tile underneath
342	Building H	17833	2nd Layer	Mastic - ????	10	3rd Floor	H332	Vinyl Tile	Green	9X9 - Br. Tile underneath
343	Building H	17834	1st Layer	Floor Tile - Green w/Black Spe	10	3rd Floor	H328	Vinyl Tile	Green	9X9 - Br. Tile underneath
344	Building H	17834	2nd Layer	Mastic - ????	10	3rd Floor	H328	Vinyl Tile	Green	9X9 - Br. Tile underneath
345	Building H	17835	1st Layer	Floor Tile - Green w/Black Spe	10	3rd Floor	H327	Vinyl Tile	Green	9X9 - Br. Tile underneath
346	Building H	17835	2nd Layer	Mastic - ????	10	3rd Floor	H327	Vinyl Tile	Green	9X9 - Br. Tile underneath
347	Building H	17839	2nd Layer	Mastic - Yellow	10	3rd Floor	H327	Vinyl Tile	Green	6" Outside 330
348	Building H	17840	2nd Layer	Mastic - Yellow	10	3rd Floor	H327	Vinyl Tile	Green	6" Outside 328
349	Building H	17841	2nd Layer	Mastic - Yellow	10	3rd Floor	H335	Vinyl base mould	Black	6"
350	Building H	17851	1st Layer	Basemoulding - Tan	10	3rd Floor	H341	Vinyl base mould	Green	4"
351	Building H	17851	2nd Layer	Paint - Green	10	3rd Floor	H341	Vinyl base mould	Green	4"
352	Building H	17851	3rd Layer	Mastic - Dark	10	3rd Floor	H341	Vinyl base mould	Green	4"

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestd	Floor	Room	Material	Color	Field Description
353	Building H	17852	1st Layer	Basemoulding - Tan	10	3rd Floor	H341	Vinyl base mould	Green	4"
354	Building H	17852	2nd Layer	Paint - Green	10	3rd Floor	H341	Vinyl base mould	Green	4"
355	Building H	17852	3rd Layer	Mastic - Dark	10	3rd Floor	H341	Vinyl base mould	Green	4"
356	Building H	17853	1st Layer	Basemoulding - Tan	10	3rd Floor	H341	Vinyl base mould	Green	4"
357	Building H	17853	2nd Layer	Paint - Green	10	3rd Floor	H341	Vinyl base mould	Green	4"
358	Building H	17853	3rd Layer	Mastic - Dark	10	3rd Floor	H341	Vinyl base mould	Green	4"
359	Building H	17854	2nd Layer	Mastic - Dark	10	3rd Floor	H341	Vinyl base mould	Green	4"
360	Building H	17855	2nd Layer	Mastic - Dark	10	3rd Floor	H341	Vinyl base mould	Green	4"
361	Building H	17856	2nd Layer	Mastic - Dark	10	3rd Floor	H341	Acoustic Ceiling Ti	White	1X1 - Unique
362	Building H	17857	2nd Layer	Mastic - Dark	10	3rd Floor	H341	Acoustic Ceiling Ti	White	1X1 - Unique
363	Building H	17858	2nd Layer	Mastic - Dark	10	3rd Floor	H341	Vinyl base mould	Green	6" Btw 337-339
364	Building H	17859	2nd Layer	Mastic - Dark	10	3rd Floor	H341	Vinyl base mould	Green	6" Btw 337-339
365	Building H	17860	1st Layer	Caulk - White/Black	15	Roof	Roof	Caulk	Gray	6" Btw 337-339
366	Building H	17861	1st Layer	Caulk - White/Black	15	Roof	Roof	Caulk	Gray	on Metal Flashing
367	Building H	17862	1st Layer	Caulk - White/Black	15	Roof	Roof	Caulk	Gray	on Metal Flashing
368	Building H	17863	1st Layer	Caulk - Gray	10	Roof	Roof	Caulk	Gray/White	btw top bricks
369	Building H	17864	1st Layer	Caulk - Gray	15	Roof	Roof	Caulk	Gray/White	btw top bricks
370	Building H	17865	1st Layer	Caulk - Gray	10	Roof	Roof	Caulk	Gray/White	btw top bricks
371	Building H	17872	1st Layer	Roof/Flashing/Tar	60	Roof	Roof	Coating	Black	On Metal Flashing
372	Building H	17873	1st Layer	Roof/Flashing/Tar	60	Roof	Roof	Coating	Black	On Metal Flashing
373	Building H	17874	1st Layer	Roof/Flashing/Tar	80	Roof	Roof	Coating	Black	On Metal Flashing
374	Building H	17875	1st Layer	Sealant - Black	30	Roof	Roof	Sealant	Black	Btw seams - Northside
375	Building H	17876	1st Layer	Sealant - Black	30	Roof	Roof	Sealant	Black	Btw seams - Northside
376	Building H	17877	1st Layer	Sealant - Black	30	Roof	Roof	Sealant	Black	Btw seams - Northside
377	Building H	17884	1st Layer	Sealant/Fabric - Black/White	60	Roof	Roof	Sealant	Black	Under top ledge - Northside
378	Building H	17885	1st Layer	Sealant/Fabric - Black/White	40	Roof	Roof	Sealant	Black	Under top ledge - Northside
379	Building H	17886	1st Layer	Sealant/Fabric - Black/White	40	Roof	Roof	Sealant	Black	Under top ledge - Northside
380	Building H	17887	1st Layer	Sealant - Black/White	60	Roof	Roof	Sealant	Black	On Top of ledge - Northside
381	Building H	17888	1st Layer	Sealant - Black/White	60	Roof	Roof	Sealant	Black	On Top of ledge - Northside
382	Building H	17889	1st Layer	Sealant - Black/White	60	Roof	Roof	Sealant	Black	On Top of ledge - Northside
383	Building H	17890	1st Layer	Pipe Insulation Tar - Black	60	Roof	Roof	TSI	Dark Gray	Bottom Joint - Right of Mech Room
384	Building H	17892	1st Layer	Pipe Insulation Tar - Black	60	Roof	Roof	TSI	Dark Gray	Bottom Joint - Right of Mech Room
385	Building H	17893	1st Layer	Pipe Insulation Tar - Black	80	Roof	Roof	TSI	Yellow	Small Stack, Bottom Joint - Facing Me
386	Building H	17894	1st Layer	Pipe Insulation - White	20	Roof	Roof	TSI	Dark Gray	Top Joint - Adjacent to Mech Room
387	Building H	17894	2nd Layer	Pipe Insulation Tar - Black	60	Roof	Roof	TSI	Dark Gray	Top Joint - Adjacent to Mech Room
388	Building H	17895	1st Layer	Pipe Insulation Tar - Black	60	Roof	Roof	TSI	Dark Gray	Top Joint - Right Side of Mech Room
389	Building H	17896	1st Layer	Mud - Gray	40	Roof	Roof	Joint Mud	Gray	Top Joint - Left of Mech Room Door
390	Building H	17897	1st Layer	Mud - Gray	40	Roof	Roof	Joint Mud	Gray	Top Joint - Left of Mech Room Door
391	Building H	17898	1st Layer	Mud - Gray	50	Roof	Roof	Joint Mud	Gray	Bottom Joint - Opposite Mech Room

	A	B	C	D	E	F	G	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
392	Building H 17899	1st Layer	Caulk - Multi	Caulk - Multi	15	Roof	Roof	Caulk	Multi	Window of Mech Room
393	Building H 17900	1st Layer	Caulk - Multi	Caulk - Multi	15	Roof	Roof	Caulk	Multi	Window of Mech Room
394	Building H 17901	1st Layer	Caulk - Multi	Caulk - Multi	15	Roof	Roof	Caulk	Multi	Window of Mech Room
395	Building H 17908	1st Layer	Pipe Insulation - Bulk	Pipe Insulation - Bulk	10	Roof	Roof	Sealant	White	On pipe - Nearest to SW Corner
396	Building H 17908	2nd Layer	Mastic - Black	Mastic - Black	10	Roof	Roof	Sealant	White	On pipe - Nearest to SW Corner
397	Building H 17909	1st Layer	Pipe Insulation - Bulk	Pipe Insulation - Bulk	10	Roof	Roof	Sealant	White	On pipe - Center of West Wall
398	Building H 17909	2nd Layer	Mastic - Black	Mastic - Black	10	Roof	Roof	Sealant	White	On pipe - Center of West Wall
399	Building H 17910	1st Layer	Pipe Insulation - Bulk	Pipe Insulation - Bulk	10	Roof	Roof	Sealant	White	On pipe - 8ft south of AC
400	Building H 17910	2nd Layer	Mastic - Black	Mastic - Black	10	Roof	Roof	Sealant	White	On pipe - 8ft south of AC
401	Building H 17917	1st Layer	Patch Fabric - Gray	Patch Fabric - Gray	20	Roof	Roof	A/C Fabric	Gray	
402	Building H 17917	2nd Layer	Tar	Tar	10	Roof	Roof	A/C Fabric	Gray	
403	Building H 17918	1st Layer	Patch Fabric - Gray	Patch Fabric - Gray	20	Roof	Roof	A/C Fabric	Gray	
404	Building H 17918	2nd Layer	Tar	Tar	10	Roof	Roof	A/C Fabric	Gray	
405	Building H 17919	1st Layer	Patch Fabric - Gray	Patch Fabric - Gray	20	Roof	Roof	A/C Fabric	Gray	
406	Building H 17919	2nd Layer	Tar	Tar	10	Roof	Roof	A/C Fabric	Gray	
407	Building H 17920	1st Layer	Paint - Tan (Stucco??)	Paint - Tan (Stucco??)	5	Roof	Roof	Paint	Tan	On Mortar - Smokestack
408	Building H 17921	1st Layer	Paint - Tan (Stucco??)	Paint - Tan (Stucco??)	10	Roof	Roof	Paint	Tan	On Mortar - Smokestack
409	Building H 17922	1st Layer	Paint - Tan (Stucco??)	Paint - Tan (Stucco??)	5	Roof	Roof	Paint	Tan	On Mortar - Smokestack
410	Building H 17926	1st Layer	Sealant - Gray	Sealant - Gray	10	Roof	Roof	Sealant	Black	Around Tower on Northside
411	Building H 17927	1st Layer	Sealant - Gray	Sealant - Gray	10	Roof	Roof	Sealant	Black	Around Tower on Northside
412	Building H 17928	1st Layer	Sealant - Gray	Sealant - Gray	10	Roof	Roof	Roll Roofing	Green	Southside
413	Building H 17929	1st Layer	Roof Shingle - Green	Roof Shingle - Green	60	Roof	Roof	Roll Roofing	Green	Southside
414	Building H 17930	1st Layer	Roof Shingle - Green	Roof Shingle - Green	40	Roof	Roof	Roll Roofing	Green	Southside
415	Building H 17931	1st Layer	Roof Shingle - Green	Roof Shingle - Green	50	Roof	Roof	Roll Roofing	Green	Southside
416	Building H 17941	2nd Layer	Tar	Tar	10	Roof	Roof	Roll Roofing	Black	Metal cap on Southside Roof
417	Building H 17942	2nd Layer	Tar	Tar	15	Roof	Roof	Roll Roofing	Black	Metal cap on Southside Roof
418	Building H 17943	2nd Layer	Tar	Tar	10	Roof	Roof	Roll Roofing	Black	Metal cap on Southside Roof
419	Building H 17944	1st Layer	Paint/Fabric - White	Paint/Fabric - White	20	Roof	Roof	TSI	White	In Elevator Room
420	Building H 17944	2nd Layer	Loose Bulk - White	Loose Bulk - White	20	Roof	Roof	TSI	White	In Elevator Room
421	Building H 17945	1st Layer	Paint/Fabric - White	Paint/Fabric - White	15	Roof	Roof	TSI	White	In Elevator Room
422	Building H 17945	2nd Layer	Loose Bulk - White	Loose Bulk - White	15	Roof	Roof	TSI	White	In Elevator Room
423	Building H 17946	1st Layer	Paint/Fabric - White	Paint/Fabric - White	20	Roof	Roof	TSI	White	In Elevator Room
424	Building H 17946	2nd Layer	Loose Bulk - White	Loose Bulk - White	15	Roof	Roof	TSI	White	In Elevator Room
425	Building H 18058	2nd Layer	Plaster	Plaster	10	3rd Floor	H340	Paster	Tan	
426	Building H 18059	2nd Layer	Plaster	Plaster	10	2nd Floor	H219	Paster	Tan	
427	Building H 18178	2nd Layer	Sheetrock	Sheetrock	10	1st Floor	Hallway	Sheetrock	White	
428	Building H 18179	2nd Layer	Plaster - White	Plaster - White	3	1st Floor	H117	Plaster	White	By Window to brick
429	Building H 18186	2nd Layer	Paster	Paster	10	2nd Floor	Hallway	Sheetrock	White	And Plaster
430	Building H 18195	1st Layer	Floor Tile - Lt. Brown	Floor Tile - Lt. Brown	5	2nd Floor	Hallway	Floor Tile	Brown	Resample

	A	B	C	D	E	F	G	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestd	Floor	Room	Material	Color	Field Description
431	Building H	18195	2nd Layer	Mastic - Yellow		5 2nd Floor	Hallway	Floor Tile	Brown	Resample
432	Building H	18196	1st Layer	Floor Tile - Lt. Brown		10 2nd Floor	Hallway	Floor Tile	Brown	Resample
433	Building H	18196	2nd Layer	Mastic - Yellow		10 2nd Floor	Hallway	Floor Tile	Brown	Resample

APPENDIX F

	A	B	C	D	E	Building	HotG	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	Building B	16980	1st Layer	Floor Tile - White	Trace	Basement	Lobby	Floor Tile	White	12X12
2	Building B	16981	1st Layer	Floor Tile - White	Trace	Basement	Hallway	Floor Tile	White	12X12 Door of B 001
3	Building B	16984	1st Layer	Floor Tile - Beige	Trace	Basement	Stairwell	Floor Tile	Gray/Tan	12X12 Bottom Landing
4	Building B	17071	1st Layer	Baseboard - Black	Trace	Basement	Stairwell	Baseboard	Blue	
5	Building B	17092	1st Layer	Paint - Beige	Trace	1st Floor	B140	Paint	Tan	Over Paneling
6	Building B	17137	2nd Layer	Paper	Trace	1st Floor	B155C	Ceramic Tile	Brown	1X1
7	Building B	17138	2nd Layer	Paper	Trace	1st Floor	B155C	Ceramic Tile	Brown	1X1
8	Building B	17139	2nd Layer	Paper	Trace	1st Floor	B155K	Ceramic Tile	Brown	1X1
9	Building B	17155	1st Layer	Pipe Insulation - Black F	Trace	Basement	B002	TSI	Black	In back of room
10	Building B	17157	1st Layer	Pipe Insulation - Black F	Trace	Basement	B003	TSI	Black	First pipe from back wall
11	Building B	17158	1st Layer	Pipe Insulation - Black F	Trace	Basement	B003	TSI	Black	2nd pipe from back wall
12	Building B	17160	1st Layer	Pipe Insulation - White F	Trace	Basement	B005	TSI	White	Lowest hanging pipe
13	Building B	17179	2nd Layer	Bulk	Trace	2nd Floor	Hallway	Paint	Tan	On Sheetrock - by 246
14	Building B	17181	2nd Layer	Bulk	Trace	2nd Floor	Hallway	Paint	Tan	On Sheetrock - by 256
15	Building B	17184	2nd Layer	Bulk	Trace	2nd Floor	B259	Paint	Tan	On Sheetrock
16	Building B	17185	2nd Layer	Bulk	Trace	2nd Floor	B258	Paint	Tan	On Sheetrock
17	Building B	17198	1st Layer	Paint - White Cream	Trace	2nd Floor	B264	Paint	Light Green	
18	Building B	17199	1st Layer	Paint - White Cream	Trace	2nd Floor	B264	Paint	Light Green	
19	Building B	17200	1st Layer	Paint - White Cream	Trace	2nd Floor	B264	Paint	Light Green	
20	Building B	17215	1st Layer	Paint - Brown	Trace	1st Floor	Hallway	Paint	Brown	Door Trim B148
21	Building B	17216	1st Layer	Paint - Brown	Trace	1st Floor	Hallway	Paint	Brown	Door Trim B154C
22	Building B	17218	1st Layer	Paint - White	Trace	1st Floor	B154A	Paint	Off White	On Cinderblock
23	Building B	17219	1st Layer	Paint - White	Trace	1st Floor	B154A	Paint	Off White	On Cinderblock
24	Building B	17224	1st Layer	Paint - White	Trace	1st Floor	B161	Paint	White	On Plaster
25	Building B	17225	1st Layer	Paint - White	Trace	1st Floor	B161	Paint	White	On Plaster
26	Building B	17226	1st Layer	Paint - White	Trace	1st Floor	B161	Paint	White	On Plaster
27	Building B	17227	1st Layer	Paint - Navy Blue	Trace	1st Floor	B161	Paint	Blue	On Plaster
28	Building B	17228	1st Layer	Paint - Navy Blue	Trace	1st Floor	B161	Paint	Blue	On Plaster
29	Building B	17229	1st Layer	Paint - Navy Blue	Trace	1st Floor	B161	Paint	Blue	On Plaster
30	Building B	17233	1st Layer	Paint - Peach	Trace	1st Floor	B171	Paint	Pink	Over Wallpaper
31	Building B	17234	1st Layer	Paint - Peach	Trace	1st Floor	B171	Paint	Pink	Over Sheetrock
32	Building B	17239	1st Layer	Paint - Drk. Beige	Trace	1st Floor	B173	Paint	Rust	On Plaster
33	Building B	17240	1st Layer	Paint - Drk. Beige	Trace	1st Floor	B173A	Paint	Rust	On Plaster
34	Building B	17241	1st Layer	Paint - Drk. Beige	Trace	1st Floor	B173A	Paint	Rust	On Plaster
35	Building B	17245	1st Layer	Paint - Beige	Trace	1st Floor	Hallway	Paint	Lt. Tan	On Plaster
36	Building B	17246	1st Layer	Paint - Beige	Trace	1st Floor	Hallway	Paint	Lt. Tan	On Plaster
37	Building B	17247	1st Layer	Paint - Beige	Trace	1st Floor	B168	Paint	Tan	Over Wallpaper
38	Building B	17248	1st Layer	Paint - Tan	Trace	1st Floor	B168	Paint	Tan	Over Wallpaper
39	Building B	17249	1st Layer	Paint - Tan	Trace	1st Floor	B168	Paint	Tan	Over Wallpaper
40	Building B	17250	1st Layer	Paint - Tan	Trace	1st Floor	B172A	Putty	White	On Wood
41	Building B	17261	1st Layer	Paint - Olive Green	Trace	1st Floor	B146	Paint	Green	On Plaster
42	Building B									

	A	B	C	D	E	Building B	HotG	H	I	J
1	Building	Sampling Layer		Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
43	Building B	17262	1st Layer	Paint - Olive Green	Trace	1st Floor	B146	Paint	Green	On Plaster
44	Building B	17263	1st Layer	Paint - Olive Green	Trace	1st Floor	B146	Paint	Green	On Plaster
45	Building B	17265	2nd Layer	Bulk	Trace	1st Floor	B147G	Paint	Dark Yellow	On Sheetrock
46	Building B	17273	1st Layer	Paint - Green	Trace	1st Floor	B147E	Paint	Green	On Marble Contertop
47	Building B	17274	1st Layer	Paint - Green	Trace	1st Floor	B147E	Paint	Green	On Marble Contertop
48	Building B	17275	1st Layer	Paint - Green	Trace	1st Floor	B147E	Paint	Green	On Marble Contertop
49	Building B	17276	1st Layer	Paint - Lt. Green	Trace	1st Floor	B155A	Paint	Lt. Green	On Cinderblock
50	Building B	17278	1st Layer	Paint - Lt. Green	Trace	1st Floor	B155A	Paint	Lt. Green	On Cinderblock
51	Building B	17330	2nd Layer	Mastic - Gray	Trace	1st Floor	B155B	Ceramic Tile	White	2X6
52	Building B	17331	2nd Layer	Mastic - Gray	Trace	1st Floor	B155B	Ceramic Tile	White	2X6
53	Building B	17332	2nd Layer	Mastic - Gray	Trace	1st Floor	B155B	Ceramic Tile	White	2X6
54	Building B	17338	2nd Layer	Mastic - ???	Trace	1st Floor	B153	Ceramic Tile	Dark Yellow	4X4
55	Building B	17339	2nd Layer	Mastic - ???	Trace	1st Floor	B153	Ceramic Tile	Dark Yellow	4X4
56	Building B	17340	2nd Layer	Mastic - ???	Trace	1st Floor	B153	Ceramic Tile	Dark Yellow	4X4
57	Building B	17343	1st Layer	Floor Tile 12X12 - White	Trace	1st Floor	Hallway - M	Vinyl Tile	White & Brown	12X12 Under big window
58	Building B	17374	1st Layer	Baseboard - Yellow	Trace	1st Floor	B160	Moulding	Yellow	
59	Building B	17375	1st Layer	Baseboard - Yellow	Trace	1st Floor	B160	Moulding	Yellow	
60	Building B	17376	1st Layer	Baseboard - Yellow	Trace	1st Floor	B160	Moulding	Yellow	
61	Building B	17968	1st Layer	Caulk - Gray	Trace	2nd Floor	Roof	Caulk	Tan/Green	Around Windows Old Building E.Side
62	Building B	17969	1st Layer	Caulk - Gray	Trace	2nd Floor	Roof	Caulk	Tan/Green	Around Windows Old Building E.Side
63	Building B	17970	1st Layer	Caulk - Gray	Trace	2nd Floor	Roof	Caulk	Tan/Green	Around Windows Old Building E.Side
64	Building B	17974	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Sealant	Black	Next to Windows SE Side
65	Building B	17975	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Sealant	Black	Next to Windows SE Side
66	Building B	17976	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Sealant	Black	Next to Windows SE Side
67	Building B	17977	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Sealant	Black	On Roofing next to Windows
68	Building B	17978	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Sealant	Black	On Roofing next to Windows
69	Building B	17979	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Sealant	Black	On Roofing next to Windows
70	Building B	18063	2nd Layer	Concrete	Trace	1st Floor	Hallway-Mai	Concrete	Gray	Btw B155 and Vending
71	Building B	18069	1st Layer	Pipe Insulation Bulk - G	Trace	Basement	B005	TSI	White	Elbow - 5th pipe
72	Building B	18070	1st Layer	Pipe Insulation Bulk - G	Trace	Basement	B005	TSI	White	Elbow - 5th pipe
73	Building B	18071	1st Layer	Pipe Insulation Bulk - G	Trace	Basement	B005	TSI	White	Elbow - 4th pipe
74	Building B	18081	1st Layer	Pipe Insulation Fabric -	Trace	Basement	Boiler Room	TSI	White	"T" joint btw top & middle tank
75	Building B	18083	1st Layer	Pipe Insulation Fabric -	Trace	Basement	Boiler Room	TSI	White	On square air vent
76	Building B	18100	1st Layer	Pipe Insulation Rubber	Trace	Basement	Boiler Hall A	TSI	Black	Elbow right of 18096
77	Building B	18100	2nd Layer	Tar	Trace	Basement	Boiler Hall A	TSI	Black	Elbow right of 18096
78	Building B	18105	1st Layer	Ceiling Material - ???	Trace	Basement	Boiler Room	TSI	White	Vertical next ot ICE cooler
79	Building B	18185	3rd Layer	Paper Backing	Trace	2nd Floor	Hallway	Sheetrock	Gray	By B262
80	Building	Sampling Layer		Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
81	Building B	17407	2nd Layer	Mastic - Black		80 2nd Floor	Stairwell	Vinyl Floor Tile	Green&White	12X12 top step
82	Building B	17413	2nd Layer	Mastic - Black		80 2nd Floor	Hallway	Vinyl Floor Tile	Gray&White	12X12 btw 248&250
83	Building B	17414	2nd Layer	Mastic - Black		80 2nd Floor	Hallway	Vinyl Floor Tile	Gray&White	12X12 btw 255&257

	A	B	C	D	E	Building B	HotG	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
1	Building B	17418	2nd Layer	Mastic - Black	80	2nd Floor	B248	Vinyl Floor Tile	Tan	12X12
84	Building B	18136	2nd Layer	Pipe Insulation Bulk - W	80	Basement	Boiler Room	TSI	White	Vertical run 16ft next to breaker box
85	Building B	18145	2nd Layer	Pipe Insulation Bulk - W	80	Basement	Boiler Room	TSI	White	Elbow 14ft right of tunnel ent.
86	Building B	18148	2nd Layer	Pipe Insulation Bulk - W	80	Basement	Boiler Room	TSI	White	On Valve 14ft right of tunnel ent.
87	Building B	18149	2nd Layer	Pipe Insulation Bulk - W	80	Basement	Boiler Room	TSI	White	Horizontal run 14ft right of tunnel ent.
88	Building B	17359	2nd Layer	Mastic - Black	60	1st Floor	B167	Vinyl Tile	Lt. Green	12X12
89	Building B	17360	2nd Layer	Mastic - Black	60	1st Floor	B167	Vinyl Tile	Lt. Green	12X12
90	Building B	17408	2nd Layer	Mastic - Black	60	2nd Floor	Lobby	Vinyl Floor Tile	Green&White	12X12 front of elevator
91	Building B	17409	2nd Layer	Mastic - Black	60	2nd Floor	Lobby	Vinyl Floor Tile	Green&White	12X12 next to 262
92	Building B	17411	2nd Layer	Mastic - Black	60	2nd Floor	B243A	Vinyl Floor Tile	Gray speckled	12X12
93	Building B	17416	2nd Layer	Mastic - Black	60	2nd Floor	B248	Vinyl Floor Tile	Tan	12X12
94	Building B	17971	1st Layer	Roofing - Black	60	1st Floor	Roof	Roofing	Black	On Black Ridge next to A/C SE side
95	Building B	17971	2nd Layer	Sealant/Tar	60	1st Floor	Roof	Roofing	Black	On Black Ridge next to A/C SE side
96	Building B	17972	1st Layer	Roofing - Black	60	1st Floor	Roof	Roofing	Black	On Black Ridge next to A/C SE side
97	Building B	17972	2nd Layer	Sealant/Tar	60	1st Floor	Roof	Roofing	Black	On Black Ridge next to A/C SE side
98	Building B	17973	1st Layer	Roofing - Black	60	1st Floor	Roof	Roofing	Black	On Black Ridge next to A/C SE side
99	Building B	17973	2nd Layer	Sealant/Tar	60	1st Floor	Roof	Roofing	Black	On Black Ridge next to A/C SE side
100	Building B	17986	1st Layer	Sealant - Black	60	1st Floor	Roof	Sealant	Black	On Flashing and Roof next to Old. B
101	Building B	17987	1st Layer	Sealant - Black	60	1st Floor	Roof	Sealant	Black	On Flashing and Roof next to Old. B
102	Building B	17988	1st Layer	Sealant - Black	60	1st Floor	Roof	Sealant	Black	On Flashing and Roof next to Old. B
103	Building B	17992	1st Layer	Sealant - Black	60	1st Floor	Roof	Sealant	Black	Around brick cap under large blower
104	Building B	17993	1st Layer	Sealant - Black	60	1st Floor	Roof	Sealant	Black	Around brick cap under large blower
105	Building B	17994	1st Layer	Sealant - Black	60	1st Floor	Roof	Sealant	Black	Around brick cap under large blower
106	Building B	18074	2nd Layer	Mastic - Dark	60	Basement	B005	TSI	White	Straight pipe left of light
107	Building B	18084	1st Layer	Pipe Insulation Paper	60	Basement	Boiler Room	TSI	White	Pipe directly under air vent
108	Building B	18084	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Pipe directly under air vent
109	Building B	18085	1st Layer	Pipe Insulation Paper	60	Basement	Boiler Room	TSI	White	On rectangular protrusion
110	Building B	18085	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	On rectangular protrusion
111	Building B	18103	2nd Layer	Pipe Insulation Bulk - B	60	Basement	Boiler Room	TSI	Black	Vertical pipe next to ICE cooler
112	Building B	18106	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Top of tank
113	Building B	18109	2nd Layer	Pipe Insulation Bulk - B	60	Basement	Boiler Room	TSI	White	Vertical pipe to left of Tunnel ent.
114	Building B	18110	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Vertical pipe to left of Tunnel ent.
115	Building B	18129	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	End Cap 12ft high @ ent to street
116	Building B	18130	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Elbow in front of 18129
117	Building B	18131	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Around valve 12ft @ ent. To street
118	Building B	18134	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Horizontal run 12ft next to breaker box
119	Building B	18135	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Vertical run 16ft next to breaker box
120	Building B	18137	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Horizontal run 12ft next to breaker box
121	Building B	18138	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Vertical run 16ft next to breaker box
122	Building B	18140	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Horizontal run 16ft next to breaker box
123	Building B	18144	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Horizontal run 14ft right of tunnel ent.

	A	B	C	D	E	Building	HotG	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
1	Building B	18146	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Horizontal run 14ft right of tunnel ent.
125	Building B	18147	2nd Layer	Pipe Insulation Bulk - W	60	Basement	Boiler Room	TSI	White	Horizontal run 14ft right of tunnel ent.
126	Building B	17990	1st Layer	Roofing Asphalt	50	1st Floor	Roof	Asphalt	Black	Under large Blower
127	Building B	17135	3rd Layer	Mastic - Black	40	1st Floor	B140	Carpet	Blue/Gray	On Linoleum
128	Building B	17136	3rd Layer	Mastic - Black	40	1st Floor	B140	Carpet	Blue/Gray	On Linoleum
129	Building B	17361	2nd Layer	Mastic - Black	40	1st Floor	B167	Vinyl Tile	Lt. Green	12X12
130	Building B	17370	2nd Layer	Mastic - Black	40	1st Floor	B147E	Vinyl Tile	Blue	12X12
131	Building B	17410	2nd Layer	Mastic - Black	40	2nd Floor	B243A	Vinyl Floor Tile	Gray speckled	12X12
132	Building B	17412	2nd Layer	Mastic - Black	40	2nd Floor	B243A	Vinyl Floor Tile	Gray speckled	12X12
133	Building B	17415	2nd Layer	Mastic - Black	40	2nd Floor	Hallway	Vinyl Floor Tile	Gray&White	12X12 btw 259&260
134	Building B	17417	2nd Layer	Mastic - Black	40	2nd Floor	B248	Vinyl Floor Tile	Tan	12X12
135	Building B	17989	1st Layer	Roofing Asphalt	40	1st Floor	Roof	Asphalt	Black	Under large Blower
136	Building B	17991	1st Layer	Roofing Asphalt	40	1st Floor	Roof	Asphalt	Black	Under large Blower
137	Building B	18086	1st Layer	Pipe Insulation Bulk - W	40	Basement	Boiler Room	TSI	White	On end of pipe below 18082
138	Building B	18090	1st Layer	Pipe Insulation Fabric -	40	Basement	Boiler Hall ATSI	TSI	White	round pipe behind/below 18089
139	Building B	18091	1st Layer	Pipe Insulation Fabric -	40	Basement	Boiler Hall ATSI	TSI	Green	round pipe behind 18088
140	Building B	18092	1st Layer	Pipe Insulation Foil - W	40	Basement	Boiler Hall ATSI	TSI	Green	bottom round pipe below 18089
141	Building B	18094	1st Layer	Pipe Insulation Fabric -	40	Basement	Boiler Hall ATSI	TSI	Red	top round pipe behind/above
142	Building B	18098	1st Layer	Pipe Insulation Fabric -	40	Basement	Boiler Hall ATSI	TSI	Red	Vertical end of top red round pipe
143	Building B	18103	1st Layer	Pipe Insulation - Black	40	Basement	Boiler Room	TSI	Black	Vertical pipe next to ICE cooler
144	Building B	18109	1st Layer	Pipe Insulation Foil - W	40	Basement	Boiler Room	TSI	White	Vertical pipe to left of Tunnel ent.
145	Building B	18120	2nd Layer	Pipe Insulation Bulk - W	40	Basement	Boiler Room	TSI	White	Horizontal run - at left of ent. to tunnel
146	Building B	18139	2nd Layer	Pipe Insulation Bulk - W	40	Basement	Boiler Room	TSI	White	Vertical run 16ft next to breaker box
147	Building B	18150	1st Layer	Pipe Insulation Foil - W	40	Basement	Boiler Room	TSI	White	Horizontal run 14ft right of tunnel ent.
148	Building B	18152	2nd Layer	Pipe Insulation Bulk - W	40	Basement	Boiler Room	TSI	White	Elbow above 18151
149	Building B	18159	2nd Layer	Pipe Insulation Bulk - W	40	Basement	Boiler Room	TSI	White	Widest vertical pipe atop boiler #3
150	Building B	18173	2nd Layer	Pipe Insulation Bulk - B	40	Basement	Boiler Hall ATSI	TSI	Black	Valve behind 18172
151	Building B	17135	2nd Layer	Floor Tile - White	35	1st Floor	B140	Carpet	Blue/Gray	On Linoleum
152	Building B	17134	2nd Layer	Floor Tile - White	30	1st Floor	B140	Carpet	Blue/Gray	On Linoleum
153	Building B	17134	3rd Layer	Mastic - Black	30	1st Floor	B140	Carpet	Blue/Gray	On Linoleum
154	Building B	17136	2nd Layer	Floor Tile - White	30	1st Floor	B140	Carpet	Blue/Gray	On Linoleum
155	Building B	17318	1st Layer	Ceramic Tile 4X4 - Black	30	1st Floor	B171	Ceramic Tile	Black	2X6
156	Building B	17319	1st Layer	Ceramic Tile 4X4 - Black	30	1st Floor	B171	Ceramic Tile	Black	2X6
157	Building B	17320	1st Layer	Ceramic Tile 4X4 - Black	30	1st Floor	B171A	Ceramic Tile	Black	2X6
158	Building B	17341	2nd Layer	Mastic - Black	30	1st Floor	Hallway - M	Vinyl Tile	White & Brown	12X12 Under big window
159	Building B	17343	2nd Layer	Mastic - Black	30	1st Floor	Hallway - M	Vinyl Tile	White & Brown	12X12 Under big window
160	Building B	17347	2nd Layer	Mastic - Black	30	1st Floor	Stairwell - N	Vinyl Tile	Brown, Gray&W	12X12 Inside entrance
161	Building B	17356	2nd Layer	Mastic - Black	30	1st Floor	B165	Vinyl Tile	Tan	12X12
162	Building B	17357	2nd Layer	Mastic - Black	30	1st Floor	B165	Vinyl Tile	Tan	12X12
163	Building B	17358	2nd Layer	Mastic - Black	30	1st Floor	B165	Vinyl Tile	Tan	12X12
164	Building B	17368	2nd Layer	Mastic - Black	30	1st Floor	B147G	Vinyl Tile	Blue	12X12

	A	B	C	D	E	Building	H	I	J
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	A	B	C	D	E	Building #	HotG	H	I	J
	Building	Sampling Layer		Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	Building B	16981	2nd Layer	Mastic - Black	20	Basement	Hallway	Floor Tile	White	12X12 Door of B 001
207	Building B	16982	2nd Layer	Mastic - Black	20	Basement	Hallway	Floor Tile	White	12X12 Across from B 003
208	Building B	16983	2nd Layer	Mastic - Black	20	Basement	Elevation	Floor Tile	Gray/Tan	12X12 Elevator
209	Building B	16984	2nd Layer	Mastic - Black	20	Basement	Stairwell	Floor Tile	Gray/Tan	12X12 Bottom Landing
210	Building B	16985	2nd Layer	Mastic - Black	20	Basement	Stairwell	Floor Tile	Gray/Tan	12X12 Up landing
212	Building B	17306	1st Layer	Ceramic Tile 4X4 - Tan	20	1st Floor	B167-B174	Ceramic Tile	Peach w/spec	4X4 btw B167 & B168
213	Building B	17307	1st Layer	Ceramic Tile 4X4 - Tan	20	1st Floor	B167-B174	Ceramic Tile	Peach w/spec	4X4 btw B168 & B168A
214	Building B	17309	1st Layer	Ceramic Tile 4X4 - Tan	20	1st Floor	B167-B174	Ceramic Tile	Orange w/spec	4X4 btw B171 & B172
215	Building B	17311	1st Layer	Ceramic Tile 4X4 - Tan	20	1st Floor	B167-B174	Ceramic Tile	Orange w/spec	4X4 B173
216	Building B	17327	1st Layer	Ceramic Tile 4X4 - Yellow	20	1st Floor	B155C	Ceramic Tile	Yellow	4X6
217	Building B	17328	1st Layer	Ceramic Tile 4X4 - Yellow	20	1st Floor	B155D	Ceramic Tile	Yellow	4X6
218	Building B	17329	1st Layer	Ceramic Tile 4X4 - Yellow	20	1st Floor	B155C	Ceramic Tile	Yellow	4X6
219	Building B	17336	1st Layer	Ceramic Tile 4X4 - White	20	1st Floor	B155F	Ceramic Tile	White	4X4
220	Building B	17337	1st Layer	Ceramic Tile 4X4 - White	20	1st Floor	B155F	Ceramic Tile	White	4X4
221	Building B	17342	2nd Layer	Mastic - Black	20	1st Floor	Hallway - Mastic Vinyl Tile	White & Brown	White & Brown	12X12 Under big window
222	Building B	17344	2nd Layer	Mastic - Black	20	1st Floor	Stairwell - N Vinyl Tile	Stairwell - N Vinyl Tile	Off-White & Gray	12X12 Inside entrance
223	Building B	17345	2nd Layer	Mastic - Black	20	1st Floor	Stairwell - N Vinyl Tile	Stairwell - N Vinyl Tile	Off-White & Gray	12X12 Inside entrance
224	Building B	17346	2nd Layer	Mastic - Black	20	1st Floor	Stairwell - N Vinyl Tile	Stairwell - N Vinyl Tile	Off-White & Gray	12X12 Inside entrance
225	Building B	17349	2nd Layer	Mastic - Black	20	1st Floor	Stairwell - N Vinyl Tile	Stairwell - N Vinyl Tile	Brown, Gray & White	12X12 Inside entrance
226	Building B	17350	2nd Layer	Mastic - Black	20	1st Floor	Hallway - Mastic Vinyl Tile	Hallway - Mastic Vinyl Tile	Green & Gray	btw B160 & Elevator
227	Building B	17351	2nd Layer	Mastic - Black	20	1st Floor	Hallway - Mastic Vinyl Tile	Hallway - Mastic Vinyl Tile	Green & Gray	right of B154A
228	Building B	17353	2nd Layer	Mastic - Black	20	1st Floor	Hallway - Mastic Vinyl Tile	Hallway - Mastic Vinyl Tile	White w/brown	12X12 - Front of 146
229	Building B	17355	2nd Layer	Mastic - Black	20	1st Floor	Hallway - Mastic Vinyl Tile	Hallway - Mastic Vinyl Tile	White w/brown	12X12 - by 160
230	Building B	17362	2nd Layer	Mastic - Dark	20	1st Floor	B170	Vinyl Tile	Brown	9X9
231	Building B	17364	2nd Layer	Mastic - Dark	20	1st Floor	B170	Vinyl Tile	Brown	9X9
232	Building B	17365	1st Layer	Floor Tile - Tan	20	1st Floor	B172A	Vinyl Tile	Yellow	9X9
233	Building B	17365	2nd Layer	Mastic - Dark	20	1st Floor	B172A	Vinyl Tile	Yellow	9X9
234	Building B	17367	1st Layer	Floor Tile - Tan	20	1st Floor	B172A	Vinyl Tile	Yellow	9X9
235	Building B	18088	1st Layer	Pipe Insulation Foil - White	20	Basement	Boiler Room	TSI	Yellow	16 sided pipe
236	Building B	18088	2nd Layer	Pipe Insulation Bulk - Black	20	Basement	Boiler Room	TSI	Yellow	16 sided pipe
237	Building B	18091	2nd Layer	Pipe Insulation Bulk - White	20	Basement	Boiler Hall	ATSI	Green	round pipe behind 18088
238	Building B	18094	2nd Layer	Pipe Insulation Bulk - White	20	Basement	Boiler Hall	ATSI	Red	top round pipe behind/above
239	Building B	18097	1st Layer	Pipe Insulation - Black	20	Basement	Boiler Hall	ATSI	Brown	elbow of upper yellow 16 sided
240	Building B	18097	2nd Layer	Pipe Insulation Bulk - Black	20	Basement	Boiler Hall	ATSI	Brown	elbow of upper yellow 16 sided
241	Building B	18098	2nd Layer	Pipe Insulation Bulk - White	20	Basement	Boiler Hall	ATSI	Red	Vertical end of top red round pipe
242	Building B	18099	2nd Layer	Pipe Insulation Bulk - White	20	Basement	Boiler Hall	ATSI	Green	Elbow of green round pipe
243	Building B	18110	1st Layer	Pipe Insulation Foil - White	20	Basement	Boiler Room	TSI	White	Vertical pipe to left of Tunnel ent.
244	Building B	18132	2nd Layer	Pipe Insulation Bulk - Black	20	Basement	Boiler Room	TSI	White	At open exhaust pipe - 12ft next to street
245	Building B	18133	2nd Layer	Pipe Insulation Bulk - Black	20	Basement	Boiler Room	TSI	White	At open exhaust pipe - 12ft next to street
246	Building B	18160	1st Layer	Pipe Insulation Foil - White	20	Basement	Boiler Room	TSI	White	thinner vertical pipe across from 18159
247	Building B	18166	2nd Layer	Pipe Insulation Bulk - Black	20	Basement	Boiler Hall	ATSI	Red	Vertical yellow pipe opp. Transformer

	A	B	C	D	E	Building #	HotG	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
1	Building B	18167	2nd Layer	Pipe Insulation Bulk - B	20	Basement	Boiler Hall A TSI		Brown	Elbow of 18166
248	Building B	18172	1st Layer	Pipe Insulation - Black		Basement	Boiler Hall A TSI		Black	Valve 3ft behind 18166
249	Building B	18173	1st Layer	Pipe Insulation - Black	20	Basement	Boiler Hall A TSI		Black	Valve behind 18172
250	Building B	18175	2nd Layer	Mastic - ?????????	20	Basement	Boiler Hall A TSI		Black	On valve of pink pipe left of chiller
251	Building B	17338	1st Layer	Ceramic Tile 4X4 - Havel	15	1st Floor	B153	Ceramic Tile	Dark Yellow	4X4
252	Building B	17348	2nd Layer	Mastic - Black	15	1st Floor	Stairwell - N Vinyl Tile		Brown, Gray & W	12X12 Inside entrance
253	Building B	17352	2nd Layer	Mastic - Black	15	1st Floor	Hallway - M Vinyl Tile		Green & Gray	Across from B154C
254	Building B	17354	2nd Layer	Mastic - Black	15	1st Floor	Hallway - M Vinyl Tile		White w/brown	12X12 - Front of 148
255	Building B	18080	2nd Layer	Pipe Insulation Bulk - V	15	Basement	Boiler Room TSI		White	On middle tank
256	Building B	16985	1st Layer	Floor Tile - Beige	10	Basement	Stairwell	Floor Tile	Gray/Tan	12X12 Up landing
257	Building B	16989	1st Layer	Ceramic Tile 4X4 - Cream	10	Basement	B 002	Ceramic Tile	White	Bottom of restroom wall
258	Building B	16989	2nd Layer	Mastic - Yellow	10	Basement	B 002	Ceramic Tile	White	Bottom of restroom wall
259	Building B	16989	1st Layer	Ceramic Tile 4X4 - Cream	10	Basement	B 002	Ceramic Tile	White	Bottom of restroom wall
260	Building B	16990	2nd Layer	Mastic - Yellow	10	Basement	B 002	Ceramic Tile	White	Bottom of restroom wall
261	Building B	16991	1st Layer	Ceramic Tile 4X4 - Cream	10	Basement	B 003	Ceramic Tile	White	Bottom of restroom wall
262	Building B	16991	2nd Layer	Mastic - Yellow	10	Basement	B 003	Ceramic Tile	White	Bottom of restroom wall
263	Building B	17099	1st Layer	Ceramic Tile 4X4 - Yellow	10	1st Floor	Hallway - M Ceramic Tile		Yellow	4X4 Next to double doors
264	Building B	17099	2nd Layer	Mastic - ???	10	1st Floor	Hallway - M Ceramic Tile		Yellow	4X4 Next to double doors
265	Building B	17100	1st Layer	Ceramic Tile 4X4 - Yellow	10	1st Floor	Hallway - M Ceramic Tile		Yellow	4X4 Right of B160
266	Building B	17100	2nd Layer	Mastic - ???	10	1st Floor	Hallway - M Ceramic Tile		Yellow	4X4 Right of B160
267	Building B	17303	1st Layer	Ceramic Tile 4X4 - Yellow	10	1st Floor	Hallway - M Ceramic Tile		Yellow	4X4 B154A
268	Building B	17303	2nd Layer	Mastic - ???	10	1st Floor	Hallway - M Ceramic Tile		Yellow	4X4 B154A
269	Building B	17304	1st Layer	Ceramic Tile 4X4 - Yellow	10	1st Floor	Hallway - M Ceramic Tile		Yellow	4X4 Adjacent B149
270	Building B	17304	2nd Layer	Mastic - ???	10	1st Floor	Hallway - M Ceramic Tile		Yellow	4X4 Adjacent B149
271	Building B	17305	1st Layer	Ceramic Tile 4X4 - Yellow	10	1st Floor	Hallway - M Ceramic Tile		Yellow	4X4 Across from B147
272	Building B	17305	2nd Layer	Mastic - ???	10	1st Floor	Hallway - M Ceramic Tile		Yellow	4X4 Across from B147
273	Building B	17306	2nd Layer	Mastic - Yellow	10	1st Floor	B167-B174 Ceramic Tile		Peach w/spec	4X4 btw B167 & B168
274	Building B	17307	2nd Layer	Mastic - Yellow	10	1st Floor	B167-B174 Ceramic Tile		Peach w/spec	4X4 btw B168 & B168A
275	Building B	17308	2nd Layer	Mastic - Yellow	10	1st Floor	B167-B174 Ceramic Tile		Peach w/spec	4X4 Left of B171
276	Building B	17309	2nd Layer	Mastic - Yellow	10	1st Floor	B167-B174 Ceramic Tile		Orange w/spec	4X4 btw B171 & B172
277	Building B	17310	2nd Layer	Mastic - Yellow	10	1st Floor	B167-B174 Ceramic Tile		Orange w/spec	4X4 B172
278	Building B	17311	2nd Layer	Mastic - Yellow	10	1st Floor	B167-B174 Ceramic Tile		Orange w/spec	4X4 B173
279	Building B	17312	1st Layer	Ceramic Tile 4X4 - Copl	10	1st Floor	B169	Ceramic Tile	Brown	2X6
280	Building B	17312	2nd Layer	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Brown	2X6
281	Building B	17313	1st Layer	Ceramic Tile 4X4 - Copl	10	1st Floor	B169	Ceramic Tile	Brown	2X6
282	Building B	17313	2nd Layer	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Brown	2X6
283	Building B	17314	1st Layer	Ceramic Tile 4X4 - Copl	10	1st Floor	B169	Ceramic Tile	Brown	2X6
284	Building B	17314	2nd Layer	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Brown	2X6
285	Building B	17315	1st Layer	Ceramic Tile 4X4 - Bisq	10	1st Floor	B169	Ceramic Tile	Pink	4X4
286	Building B	17315	2nd Layer	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Pink	4X4
287	Building B	17316	1st Layer	Ceramic Tile 4X4 - Bisq	10	1st Floor	B169	Ceramic Tile	Pink	4X4
288	Building B	17316	1st Layer	Ceramic Tile 4X4 - Bisq	10	1st Floor	B169	Ceramic Tile	Pink	4X4

	A	B	C	D	E	Building	HotG	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
1	Building B	17316	2nd Layer	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Pink	4X4
289	Building B	17317	1st Layer	Ceramic Tile 4X4 - Bisq	10	1st Floor	B169	Ceramic Tile	Pink	4X4
290	Building B	17317	2nd Layer	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Pink	4X4
291	Building B	17318	2nd Layer	Mastic - Yellow	10	1st Floor	B171	Ceramic Tile	Black	2X6
292	Building B	17319	2nd Layer	Mastic - Yellow	10	1st Floor	B171	Ceramic Tile	Black	2X6
293	Building B	17320	2nd Layer	Mastic - Yellow	10	1st Floor	B171A	Ceramic Tile	Black	2X6
294	Building B	17321	1st Layer	Ceramic Wall Tile 4X4 -	10	1st Floor	B171	Ceramic Tile	White w/ Black	4X4
295	Building B	17321	2nd Layer	Mastic - Yellow	10	1st Floor	B171	Ceramic Tile	White w/ Black	4X4
296	Building B	17322	1st Layer	Ceramic Tile 4X4 - Whit	10	1st Floor	B171	Ceramic Tile	White w/ Black	4X4
297	Building B	17322	2nd Layer	Mastic - Yellow	10	1st Floor	B171	Ceramic Tile	White w/ Black	4X4
298	Building B	17322	2nd Layer	Mastic - Yellow	10	1st Floor	B171	Ceramic Tile	White w/ Black	4X4
299	Building B	17323	1st Layer	Ceramic Tile 4X4 - Whit	10	1st Floor	B171A	Ceramic Tile	White w/ Black	4X4
300	Building B	17323	2nd Layer	Mastic - Yellow	10	1st Floor	B171A	Ceramic Tile	White w/ Black	4X4
301	Building B	17324	1st Layer	Ceramic Tile 4X4 - Whit	10	1st Floor	B172	Ceramic Tile	White w/ Bowl	4X6
302	Building B	17324	2nd Layer	Mastic - Yellow	10	1st Floor	B172	Ceramic Tile	White w/ Bowl	4X6
303	Building B	17325	1st Layer	Ceramic Tile 4X4 - Whit	10	1st Floor	B172	Ceramic Tile	White w/ Bowl	4X6
304	Building B	17325	2nd Layer	Mastic - Yellow	10	1st Floor	B172	Ceramic Tile	White w/ Bowl	4X6
305	Building B	17326	1st Layer	Ceramic Tile 4X4 - Whit	10	1st Floor	B172	Ceramic Tile	White w/ Bowl	4X6
306	Building B	17326	2nd Layer	Mastic - Yellow	10	1st Floor	B172	Ceramic Tile	White w/ Bowl	4X6
307	Building B	17327	2nd Layer	Mastic - Yellow	10	1st Floor	B155C	Ceramic Tile	Yellow	4X6
308	Building B	17328	2nd Layer	Mastic - Yellow	10	1st Floor	B155D	Ceramic Tile	Yellow	4X6
309	Building B	17329	2nd Layer	Mastic - Yellow	10	1st Floor	B155C	Ceramic Tile	Yellow	4X6
310	Building B	17330	1st Layer	Ceramic Tile 4X4 - Whit	10	1st Floor	B155B	Ceramic Tile	White	2X6
311	Building B	17331	1st Layer	Ceramic Tile 4X4 - Whit	10	1st Floor	B155B	Ceramic Tile	White	2X6
312	Building B	17332	1st Layer	Ceramic Tile 4X4 - Whit	10	1st Floor	B155B	Ceramic Tile	White	2X6
313	Building B	17333	1st Layer	Ceramic Tile 4X4 - Whit	10	1st Floor	B155B	Ceramic Tile	White	4X4
314	Building B	17333	2nd Layer	Mastic - Gray	10	1st Floor	B155B	Ceramic Tile	White	4X4
315	Building B	17334	1st Layer	Ceramic Tile 4X4 - Whit	10	1st Floor	B155B	Ceramic Tile	White	4X4
316	Building B	17334	2nd Layer	Mastic - Gray	10	1st Floor	B155B	Ceramic Tile	White	4X4
317	Building B	17335	1st Layer	Ceramic Tile 4X4 - Whit	10	1st Floor	B155B	Ceramic Tile	White	4X4
318	Building B	17335	2nd Layer	Mastic - Gray	10	1st Floor	B155B	Ceramic Tile	White	4X4
319	Building B	17336	2nd Layer	Mastic - Gray	10	1st Floor	B155F	Ceramic Tile	White	4X4
320	Building B	17337	2nd Layer	Mastic - Gray	10	1st Floor	B155F	Ceramic Tile	White	4X4
321	Building B	17339	1st Layer	Ceramic Tile 4X4 - Have	10	1st Floor	B153	Ceramic Tile	Dark Yellow	4X4
322	Building B	17340	1st Layer	Ceramic Tile 4X4 - Have	10	1st Floor	B153	Ceramic Tile	Dark Yellow	4X4
323	Building B	17362	1st Layer	Floor Tile - Tan	10	1st Floor	B170	Vinyl Tile	Brown	9X9
324	Building B	17363	1st Layer	Floor Tile - Tan	10	1st Floor	B170	Vinyl Tile	Brown	9X9
325	Building B	17363	2nd Layer	Mastic - Dark	10	1st Floor	B170	Vinyl Tile	Brown	9X9
326	Building B	17364	1st Layer	Floor Tile - Tan	10	1st Floor	B170	Vinyl Tile	Brown	9X9
327	Building B	17366	1st Layer	Floor Tile - Tan	10	1st Floor	B172A	Vinyl Tile	Yellow	9X9
328	Building B	17366	2nd Layer	Mastic - Dark	10	1st Floor	B172A	Vinyl Tile	Yellow	9X9
329	Building B	17367	2nd Layer	Mastic - Dark	10	1st Floor	B172A	Vinyl Tile	Yellow	9X9

	A	B	C	D	E	Building B	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbest	Floor	Material	Color	Field Description
330	Building B	17392	3rd Layer	Mastic - Dark	10	1st Floor	Vinyl Moulding	Rust	
331	Building B	17393	3rd Layer	Mastic - Dark	10	1st Floor	Vinyl Moulding	Rust	
332	Building B	17394	3rd Layer	Mastic - Dark	10	1st Floor	Vinyl Moulding	Rust	
333	Building B	17422	2nd Layer	Mastic - Black	10	2nd Floor	Vinyl Floor Tile	Brown	12X12
334	Building B	17423	2nd Layer	Mastic - Black	10	2nd Floor	Vinyl Floor Tile	Brown	12X12
335	Building B	17424	2nd Layer	Mastic - Black	10	2nd Floor	Vinyl Floor Tile	Brown	12X12
336	Building B	17425	1st Layer	Ceiling Tile - White w/G	10	2nd Floor	Ceramic Tile	Gray	
337	Building B	17425	2nd Layer	Mastic - Yellow	10	2nd Floor	Ceramic Tile	Gray	
338	Building B	17426	1st Layer	Ceiling Tile - White w/G	10	2nd Floor	Ceramic Tile	Gray	
339	Building B	17426	2nd Layer	Mastic - Yellow	10	2nd Floor	Ceramic Tile	Gray	
340	Building B	17427	1st Layer	Ceiling Tile - White w/G	10	2nd Floor	Ceramic Tile	Gray	
341	Building B	17427	2nd Layer	Mastic - Yellow	10	2nd Floor	Ceramic Tile	Gray	
342	Building B	17428	1st Layer	Ceiling Tile - White w/G	10	2nd Floor	Ceramic Wall T	White	2X6
343	Building B	17428	2nd Layer	Mastic - Yellow	10	2nd Floor	Ceramic Wall T	White	2X6
344	Building B	17429	1st Layer	Ceiling Tile - White w/G	10	2nd Floor	Ceramic Wall T	White	2X6
345	Building B	17429	2nd Layer	Mastic - Yellow	10	2nd Floor	Ceramic Wall T	White	2X6
346	Building B	17430	1st Layer	Ceiling Tile - White w/G	10	2nd Floor	Ceramic Wall T	White	2X6
347	Building B	17430	2nd Layer	Mastic - Yellow	10	2nd Floor	Ceramic Wall T	White	2X6
348	Building B	17431	1st Layer	Ceiling Tile - White w/G	10	2nd Floor	Ceramic Wall T	White	4X4
349	Building B	17431	2nd Layer	Mastic - Yellow	10	2nd Floor	Ceramic Wall T	White	4X4
350	Building B	17432	1st Layer	Ceiling Tile - White w/G	10	2nd Floor	Ceramic Wall T	White	4X4
351	Building B	17432	2nd Layer	Mastic - Yellow	10	2nd Floor	Ceramic Wall T	White	4X4
352	Building B	17433	1st Layer	Ceiling Tile - White w/G	10	2nd Floor	Ceramic Wall T	White	4X4
353	Building B	17433	2nd Layer	Mastic - Yellow	10	2nd Floor	Ceramic Wall T	White	4X4
354	Building B	17956	1st Layer	Sealant - Black	10	Roof	Sealant	Black	Edge of Eastside
355	Building B	17957	1st Layer	Sealant - Black	10	Roof	Sealant	Black	Edge of Eastside
356	Building B	17958	1st Layer	Sealant - Black	10	Roof	Sealant	Black	Edge of Eastside
357	Building B	18064	1st Layer	Pipe Insulation - Foil	10	Basement	TSI	White	5" - 1st pipe left of light
358	Building B	18065	1st Layer	Pipe Insulation - Foil	10	Basement	TSI	White	6" - 2nd pipe left of light
359	Building B	18066	1st Layer	Pipe Insulation - Foil	10	Basement	TSI	White	6" - 3rd pipe left of light
360	Building B	18067	1st Layer	Pipe Insulation - Foil	10	Basement	TSI	White	3 1/2" - 4th pipe
361	Building B	18068	1st Layer	Pipe Insulation - Foil	10	Basement	TSI	White	3 1/2" - 5th pipe
362	Building B	18074	1st Layer	Pipe Insulation Foil - W	10	Basement	TSI	White	Straight pipe left of light
363	Building B	18078	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler Room	White	"L" joint below top tank
364	Building B	18078	2nd Layer	Pipe Insulation Bulk - W	10	Basement	Boiler Room	White	"L" joint below top tank
365	Building B	18079	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler Room	White	On top tank
366	Building B	18079	2nd Layer	Pipe Insulation Bulk - W	10	Basement	Boiler Room	White	On top tank
367	Building B	18080	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler Room	White	On middle tank
368	Building B	18081	2nd Layer	Pipe Insulation Bulk - W	10	Basement	Boiler Room	White	"T" joint btw top & middle tank
369	Building B	18082	2nd Layer	Pipe Insulation Bulk - W	10	Basement	Boiler Room	White	Elbow above wooden scaffolding
370	Building B	18083	2nd Layer	Pipe Insulation Bulk - W	10	Basement	Boiler Room	White	On square air vent

	A		B	C	D		E	Building B		HotG	H	I	J
	Building	Sampling	Layer		Sample Description		% Asbest	Floor	Room	Material	Color	Field Description	
1	Building B	18089	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Hall A TSI	Boiler Hall A TSI	Yellow	16 sided pipe - above & right of 18088	
372	Building B	18089	2nd Layer		Pipe Insulation Bulk - Bl		10	Basement	Boiler Hall A TSI	Boiler Hall A TSI	Yellow	16 sided pipe - above & right of 18088	
373	Building B	18093	1st Layer		Pipe Insulation Fabric -		10	Basement	Boiler Hall A TSI	Boiler Hall A TSI	Pink	knee-level round pipe	
374	Building B	18095	1st Layer		Pipe Insulation - Black		10	Basement	Boiler Hall A TSI	Boiler Hall A TSI	Black	lower elbow of bottom yellow 16 sided	
375	Building B	18095	2nd Layer		Pipe Insulation Bulk - B		10	Basement	Boiler Hall A TSI	Boiler Hall A TSI	Black	lower elbow of bottom yellow 16 sided	
376	Building B	18096	1st Layer		Pipe Insulation - Black		10	Basement	Boiler Hall A TSI	Boiler Hall A TSI	Brown	upper elbow of bottom yellow 16 sided	
377	Building B	18096	2nd Layer		Pipe Insulation Bulk - B		10	Basement	Boiler Hall A TSI	Boiler Hall A TSI	Brown	upper elbow of bottom yellow 16 sided	
378	Building B	18099	1st Layer		Pipe Insulation Fabric -		10	Basement	Boiler Hall A TSI	Boiler Hall A TSI	Green	Elbow of green round pipe	
379	Building B	18102	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	Gray	Horizontal pipe next to ICE cooler	
380	Building B	18104	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Vertical at valve next ot ICE cooler	
381	Building B	18111	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal run at valve - left of ent.	
382	Building B	18111	2nd Layer		Pipe Insulation Bulk - B		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal run at valve - left of ent.	
383	Building B	18112	2nd Layer		Pipe Insulation Bulk		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal run right of valve - left of ent	
384	Building B	18113	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Vertical run next to tunnel ent.	
385	Building B	18113	2nd Layer		Pipe Insulation Bulk - B		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Vertical run next to tunnel ent.	
386	Building B	18114	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Vertical run next to tunnel ent.	
387	Building B	18115	1st Layer		Pipe Insulation Caulk		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal pipe - left of tunnel ent.	
388	Building B	18116	1st Layer		Pipe Insulation Caulk		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal pipe - left of tunnel ent.	
389	Building B	18117	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Vertical run behind wheelborrow	
390	Building B	18118	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	left of entrance to tunnel	
391	Building B	18119	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Elbow - at left of entrance to tunnel	
392	Building B	18120	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal run - at left of ent. to tunnel	
393	Building B	18121	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Vertical run next to valve left of tunnel	
394	Building B	18122	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Vertical end cap next to Hallway door	
395	Building B	18123	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal run 12ft high @ ent to street	
396	Building B	18124	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	At valve 12ft high @ ent to street	
397	Building B	18125	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Elbow 12ft high @ ent to street	
398	Building B	18126	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal run 12ft high @ ent to street	
399	Building B	18127	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal run 12ft high @ ent to street	
400	Building B	18128	1st Layer		Pipe Insulation Foil - Gr		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal run 12ft high @ ent to street	
401	Building B	18129	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	End Cap 12ft high @ ent to street	
402	Building B	18130	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Elbow in front of 18129	
403	Building B	18131	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Around valve 12ft @ ent. To street	
404	Building B	18132	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	At open exhaust pipe - 12ft next to street	
405	Building B	18133	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	At open exhaust pipe - 12ft next to street	
406	Building B	18134	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal run 12ft next to breaker box	
407	Building B	18135	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Vertical run 16ft next to breaker box	
408	Building B	18136	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Vertical run 16ft next to breaker box	
409	Building B	18137	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Horizontal run 12ft next to breaker box	
410	Building B	18138	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Vertical run 16ft next to breaker box	
411	Building B	18139	1st Layer		Pipe Insulation Foil - Wf		10	Basement	Boiler Room TSI	Boiler Room TSI	White	Vertical run 16ft next to breaker box	

	A	B	C	D	E	Building B	HotG	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
1	Building B	18140	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Horizontal run 16ft next to breaker box
412	Building B	18141	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Horizontal run 14ft right of tunnel ent.
413	Building B	18142	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Horizontal run 14ft right of tunnel ent.
414	Building B	18143	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Elbow 14ft right of tunnel ent.
415	Building B	18144	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler Room	TSI	White	Horizontal run 14ft right of tunnel ent.
416	Building B	18145	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler Room	TSI	White	Elbow 14ft right of tunnel ent.
417	Building B	18146	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler Room	TSI	White	Horizontal run 14ft right of tunnel ent.
418	Building B	18147	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler Room	TSI	White	Horizontal run 14ft right of tunnel ent.
419	Building B	18148	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler Room	TSI	White	On Valve 14ft right of tunnel ent.
420	Building B	18149	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler Room	TSI	White	Horizontal run 14ft right of tunnel ent.
421	Building B	18152	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Elbow above 18151
422	Building B	18153	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Elbow below 18151
423	Building B	18154	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Pipe right of 18153
424	Building B	18155	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Floor at work bench
425	Building B	18156	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Elbow 5ft right of 18153
426	Building B	18157	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Pipe directly below 18156
427	Building B	18159	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Widest vertical pipe atop boiler #3
428	Building B	18161	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Elbow above 18160
429	Building B	18161	2nd Layer	Pipe Insulation Bulk - W/	10	Basement	Boiler Room	TSI	White	Elbow above 18160
430	Building B	18162	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Btw valve & high pressure steam pipe
431	Building B	18163	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	High pressure steam pipe across 1815
432	Building B	18164	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Room	TSI	White	Pipe above & perp to boiler #3
433	Building B	18165	1st Layer	Pipe Insulation - ????	10	Basement	Boiler Room	TSI	White	patch on vertical pipe from high pressu
434	Building B	18165	2nd Layer	Pipe Insulation Bulk - W/	10	Basement	Boiler Room	TSI	White	patch on vertical pipe from high pressu
435	Building B	18166	1st Layer	Pipe Insulation - ????	10	Basement	Boiler Hall A TSI	Red	Red	Vertical yellow pipe opp. Transformer
436	Building B	18167	1st Layer	Pipe Insulation - ????	10	Basement	Boiler Hall A TSI	Brown	Brown	Elbow of 18166
437	Building B	18168	1st Layer	Pipe Insulation - ????	10	Basement	Boiler Hall A TSI	Brown	Brown	Valve right 18167
438	Building B	18168	2nd Layer	Pipe Insulation Bulk - B	10	Basement	Boiler Hall A TSI	Brown	Brown	Valve right 18167
439	Building B	18169	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Hall A TSI	Brown	Brown	Busted chillwater supply pipe
440	Building B	18170	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Hall A TSI	Brown	Brown	Right of 18169
441	Building B	18171	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler Hall A TSI	Pink	Pink	Elbow of pipe perp. To chillwater supp
442	Building B	18171	2nd Layer	Pipe Insulation Bulk - W/	10	Basement	Boiler Hall A TSI	Pink	Pink	Elbow of pipe perp. To chillwater supp
443	Building B	18174	1st Layer	Pipe Insulation Foil - W/	10	Basement	Boiler Hall A TSI	Pink	Pink	Vertical pipe 10 ft from floor drain
444	Building B	18174	2nd Layer	Pipe Insulation Bulk - W/	10	Basement	Boiler Hall A TSI	Pink	Pink	Vertical pipe 10 ft from floor drain
445	Building B	18175	1st Layer	Pipe Insulation - Black	10	Basement	Boiler Hall A TSI	Black	Black	On valve of pink pipe left of chiller
446	Building B	18180	2nd Layer	Sheetrock	10	1st Floor	B147E	Sheetrock	White	
447	Building B	18181	1st Layer	Paint/Plaster - Cream	10	1st Floor	B163	Plaster	White	
448	Building B	18182	2nd Layer	Sheetrock	10	Basement	Hallway	Sheetrock	White	Btw B006-B007
449	Building B	18183	1st Layer	Paint/Plaster - Tan	10	Basement	B007B	Plaster	White	No wire mesh
450	Building B	18185	2nd Layer	Sheetrock	10	2nd Floor	Hallway	Sheetrock	Gray	By B262
451	Building B	16982	1st Layer	Floor Tile - White	5	Basement	Hallway	Floor Tile	White	12X12 Across from B 003

	A	B	C	D	E	Building #	HotG	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbest	Floor	Room	Material	Color	Field Description
453	Building B	16983	1st Layer	Floor Tile - Beige	5	Basement	Elevation	Floor Tile	Gray/Tan	12X12 Elevator
454	Building B	17955	1st Layer	Roofing Tar	5	Roof	Roof	Sealant	Black	Large round light Eastside
455	Building B	18184	2nd Layer	Plaster - Green/White	5	2nd Floor	B264	Plaster	Gray	to wire mesh
456	Building B	17953	1st Layer	Roofing Tar	3	Roof	Roof	Sealant	Black	Large round light Eastside
457	Building B	17965	1st Layer	Roofing Tar	3	2nd Floor	Roof	Sealant	Black	A/C Unit
458	Building B	17966	1st Layer	Roofing Tar	3	2nd Floor	Roof	Sealant	Black	A/C Unit
459	Building B	17967	1st Layer	Roofing Tar	3	2nd Floor	Roof	Sealant	Black	A/C Unit
460	Building B	18082	1st Layer	Pipe Insulation Fabric -	3	Basement	Boiler Room	TSI	White	Elbow above wooden scaffolding
461	Building B	17954	1st Layer	Roofing Tar	2	Roof	Roof	Sealant	Black	Large round light Eastside

APPENDIX G

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	C	16371	2 Layer	Roll-Tar	0	Roof	NA	Roofing	Black/White	Roll Roof
2	C	16371	1 Layer	Shingle	0	Roof	NA	Roofing	Black/White	Roll Roof
3	C	16372	1 Layer	Roll-Tar	0	Roof	NA	Roofing	Black	Roofing Asphalt
4	C	16373	1 Layer	Caulk - Black	0	Roof	NA	Caulk	Black	Around Vent Pipe
5	C	16374	1 Layer	Caulk - Black	Trace	Roof	NA	Caulk	Black	Sealant around Elec. Box
6	C	16375	1 Layer	Build up Roof w/Tar	0	Roof	NA	Asphalt Insult	Black	Foam, Caulk, Sealant
7	C	16375	2 Layer	Build up Roof w/Tar	0	Roof	NA	Asphalt Insult	Black	Foam, Caulk, Sealant
8	C	16375	3 Layer	Build up Roof w/Tar	0	Roof	NA	Asphalt Insult	Black	Foam, Caulk, Sealant
9	C	16376	1 Layer	Shingle	0	Roof	NA	Roofing	Black	Roll Roof
10	C	16376	2 Layer	Roll-Tar	0	Roof	NA	Roofing	Black	Roll Roof
11	C	16377	1 Layer	Caulk - Black	0	Roof	NA	Caulk	Black	Roofing Asphalt
12	C	16378	1 Layer	Caulk - Black	0	Roof	NA	Caulk	Black	Around Vent Pipe
13	C	16378	2 Layer	Caulk - Black	0	Roof	NA	Caulk	Black	Around Vent Pipe
14	C	16379	1 Layer	Shingle	0	Roof	NA	Roofing	Black/White	Roll Roof
15	C	16379	2 Layer	Roll-Tar	0	Roof	NA	Roofing	Black/White	Roll Roof
16	C	16380	1 Layer	Caulk - Black	0	Roof	NA	Caulk	Black/White	Roofing Asphalt
17	C	16380	2 Layer	Caulk - Black	0	Roof	NA	Caulk	Black/White	Roofing Asphalt
18	C	16381	1 Layer	Caulk - Black	0	Roof	NA	Caulk	Black/White	Around Vent Pipe
19	C	16382	1 Layer	Caulk - Black	0	Roof	NA	Asphalt Seal	Black/White	Electrical Outlet
20	C	16383	1 Layer	Shingle	0	Roof	NA	Roofing	Black/White	Roll Roof
21	C	16383	2 Layer	Roll-Tar	0	Roof	NA	Roofing	Black/White	Roll Roof
22	C	16384	1 Layer	Shingle	0	Roof	NA	Adhesive	Black/White	Asphalt
23	C	16384	2 Layer	Roll-Tar	0	Roof	NA	Adhesive	Black/White	Asphalt
24	C	16385	1 Layer	Caulk - Black	0	Roof	NA	Caulk	Black/White	Around Vent Pipe
25	C	16386	1 Layer	Caulk - Black	0	Roof	NA	Caulk	Black/White	Filler Tar Outlet
26	C	16387	1 Layer	Build up Roof	Trace	Roof	NA	Roofing	Black/White	Roll Roof
27	C	16387	2 Layer	Build up Roof	0	Roof	NA	Roofing	Black/White	Roll Roof
28	C	16387	3 Layer	Build up Roof	0	Roof	NA	Roofing	Black/White	Roll Roof
29	C	16387	4 Layer	Build up Roof	Trace	Roof	NA	Roofing	Black/White	Roll Roof
30	C	16387	5 Layer	Build up Roof	0	Roof	NA	Roofing	Black/White	Roll Roof
31	C	16388	1 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
32	C	16388	2 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
33	C	16388	3 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
34	C	16388	4 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
35	C	16388	5 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
36	C	16389	1 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
37	C	16389	2 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
38	C	16389	3 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
39	C	16389	4 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
40	C	16389	5 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
41	C	16390	1 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
42	C	16390	2 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
43	C	16390	3 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
44	C	16390	4 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample
45	C	16390	4 Layer	Build up Roof	0	Roof	NA	Roofing	Multi	Core Sample

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1	C	16390	5 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
46	C	16391	1 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
47	C	16391	2 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
48	C	16391	3 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
49	C	16391	4 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
50	C	16391	5 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
51	C	16392	1 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
52	C	16392	2 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
53	C	16392	3 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
54	C	16392	4 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
55	C	16392	5 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
56	C	16393	1 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
57	C	16393	2 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
58	C	16393	3 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
59	C	16393	4 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
60	C	16393	5 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
61	C	16394	1 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
62	C	16394	2 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
63	C	16394	3 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
64	C	16394	4 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
65	C	16394	5 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
66	C	16395	1 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
67	C	16395	2 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
68	C	16395	3 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
69	C	16395	4 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
70	C	16395	5 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
71	C	16396	1 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
72	C	16396	2 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
73	C	16396	3 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
74	C	16396	4 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
75	C	16396	5 Layer	Build up Roof	0	Roof	Roofing	Multi	Core Sample
76	C	16397	1 Layer	Patch Roll/Tar	80	Roof	Patch	White/Black	Fabric
77	C	16397	2 Layer	Patch Roll/Tar	80	Roof	Patch	White/Black	Fabric
78	C	16397	3 Layer	Patch Roll/Tar	80	Roof	Patch	White/Black	Fabric
79	C	16398	1 Layer	Caulk - Gray/White	10	Roof	Sealant	White/Black	Above Metal Flashing
80	C	16399	1 Layer	Patch Roll/Tar	20	Roof	Patch	White/Black	Fabric
81	C	16399	2 Layer	Patch Roll/Tar	20	Roof	Patch	White/Black	Fabric
82	C	16400	1 Layer	Caulk - Gray/White	60	Roof	Sealant	White/Black	Above Metal Flashing
83	C	16400	2 Layer	Caulk - Black	20	Roof	Sealant	White/Black	Above Metal Flashing
84	C	16400	3 Layer	Caulk - Gray	20	Roof	Sealant	White/Black	Above Metal Flashing
85	C	16401	1 Layer	Patch Roll/Tar	80	Roof	Patch	White/Black	Fabric
86	C	16402	1 Layer	Caulk - Gray/Black	10	Roof	Sealant	White/Black	Above Metal Flashing
87	C	16403	1 Layer	Roll Vinyl - Pebble Patt	20	1st	Floor Tile	Beige	Lanolium - Evidence Room
88	B	16403	2 Layer	Backing	20	1st	Floor Tile	Beige	Lanolium - Evidence Room
89	B	16403	2 Layer	Backing	20	1st	Floor Tile	Beige	Lanolium - Evidence Room

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
90	B	16404	1 Layer	Roll Vinyl - Pebble Patti	20 1st	20 1st	148	Floor Tile	Beige	Lanodium - Evidence Room
91	B	16404	2 Layer	Backing	20 1st	20 1st	148	Floor Tile	Beige	Lanodium - Evidence Room
92	B	16405	1 Layer	Roll Vinyl - Pebble Patti	20 1st	20 1st	148	Floor Tile	Beige	Lanodium - Evidence Room
93	B	16405	2 Layer	Backing	20 1st	20 1st	148	Floor Tile	Beige	Lanodium - Evidence Room
94	C	16406	1 Layer	Pipe Insulation -White	Trace	Roof	Mechani	TSI	White	
95	C	16406	2 Layer	Pipe Insulation -White	Trace	0 Roof	Mechani	TSI	White	
96	C	16407	1 Layer	Pipe Insulation -White	Trace	Roof	Mechani	TSI	White	
97	C	16407	2 Layer	Pipe Insulation -White	Trace	0 Roof	Mechani	TSI	White	
98	C	16408	1 Layer	Pipe Insulation -White	Trace	20 Roof	Mechani	TSI	White	
99	C	16408	2 Layer	Pipe Insulation -White	Trace	20 Roof	Mechani	TSI	White	
100	C	16409	1 Layer	Pipe Insulation -White	Trace	30 Roof	Mechani	TSI	White	
101	C	16409	2 Layer	Pipe Insulation -White	Trace	30 Roof	Mechani	TSI	White	
102	C	16410	1 Layer	Pipe Insulation -White	Trace	20 Roof	Mechani	TSI	White	
103	C	16410	2 Layer	Pipe Insulation -White	Trace	30 Roof	Mechani	TSI	White	
104	C	16411	1 Layer	Pipe Insulation -White	Trace	20 Roof	Mechani	TSI	White	
105	C	16411	2 Layer	Fiberglass - Yellow	Trace	0 Roof	Mechani	TSI	White	
106	C	16411	3 Layer	Backing Paper	Trace	0 Roof	Mechani	TSI	White	
107	C	16412	1 Layer	Pipe Insulation -White	Trace	60 Roof	Mechani	TSI	White	
108	C	16412	2 Layer	Pipe Insulation -White	Trace	60 Roof	Mechani	TSI	White	
109	C	16413	1 Layer	Pipe Insulation paper	Trace	0 Roof	Mechani	TSI	Brown	
110	C	16413	2 Layer	Fiberglass - Yellow	Trace	0 Roof	Mechani	TSI	Brown	
111	C	16414	1 Layer	Pipe Insulation Putty	Trace	10 Roof	Mechani	TSI	White	
112	C	16414	2 Layer	Pipe Insulation Putty	Trace	10 Roof	Mechani	TSI	White	
113	C	16415	1 Layer	Pipe Insulation Putty	Trace	30 Roof	Mechani	TSI	White	
114	C	16415	2 Layer	Pipe Insulation Putty	Trace	30 Roof	Mechani	TSI	White	
115	C	16416	1 Layer	Pipe Insulation -White	Trace	10 Roof	Mechani	TSI	Brown	Leading into the floor
116	C	16416	2 Layer	Fiberglass - Yellow	Trace	0 Roof	Mechani	TSI	Brown	Leading into the floor
117	C	16416	3 Layer	Backing Paper	Trace	0 Roof	Mechani	TSI	Brown	Leading into the floor
118	C	16417	1 Layer	Pipe Insulation -White	Trace	30 Roof	Mechani	TSI	White	
119	C	16417	2 Layer	Pipe Insulation -White	Trace	30 Roof	Mechani	TSI	White	
120	C	16418	1 Layer	Pipe Insulation -White	Trace	20 Roof	Mechani	TSI	White	
121	C	16418	2 Layer	Fiberglass - Yellow	Trace	0 Roof	Mechani	TSI	White	
122	C	16419	1 Layer	Pipe Insulation Foil	Trace	0 Roof	Mechani	TSI	Yellow	
123	C	16419	2 Layer	Fiberglass - Yellow	Trace	0 Roof	Mechani	TSI	Yellow	
124	C	16420	1 Layer	Pipe Insulation -White	Trace	60 Roof	Mechani	TSI	White	
125	C	16420	2 Layer	Pipe Insulation -White	Trace	20 Roof	Mechani	TSI	White	
126	C	16421	1 Layer	Pipe Insulation Loose -	Trace	20 Roof	Mechani	TSI	White	
127	C	16421	2 Layer	Pipe Insulation Loose -	Trace	20 Roof	Mechani	TSI	White	
128	C	16422	1 Layer	Foil/Fiberglass - Brown,	Trace	10 Roof	Mechani	TSI	Brown/White	
129	C	16422	2 Layer	Foil/Fiberglass - Brown,	Trace	10 Roof	Mechani	TSI	Brown/White	
130	C	16423	1 Layer	Foil/Fiberglass - Brown,	Trace	10 Roof	Mechani	TSI	Light Brown	
131	C	16423	2 Layer	Foil/Fiberglass - Brown,	Trace	10 Roof	Mechani	TSI	Light Brown	
132	C	16424	1 Layer	Pipe Insulation Loose -	Trace	60 Roof	Mechani	TSI	Light Brown	
133	C	16425	1 Layer	Bulk - Brown/Yellow	Trace	10 Roof	Mechani	TSI	Beige	

	A	B	C	D	E	F Everything	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	C	16425	2 Layer	Foil		0 Roof	Mechani	TSI	Beige	
134	C	16425	3 Layer	Fiberglass		0 Roof	Mechani	TSI	Beige	
135	C	16425	3 Layer	Fiberglass		0 Roof	Mechani	TSI	Beige	
136	C	16426	1 Layer	Foil/Fiberglass - Brown		0 Roof	Mechani	TSI	Beige	
137	C	16426	2 Layer	Foil/Fiberglass - Brown		0 Roof	Mechani	TSI	Beige	
138	C	16427	1 Layer	Pipe Insulation Loose -		20 Roof	Mechani	TSI	Beige	
139	C	16427	2 Layer	Pipe Insulation Loose -		10 Roof	Mechani	TSI	Beige	
140	C	16428	1 Layer	Pipe Insulation Loose -		20 Roof	Mechani	TSI	Beige	
141	C	16428	2 Layer	Pipe Insulation Loose -		10 Roof	Mechani	TSI	Beige	
142	C	16429	1 Layer	Pipe Insulation Loose F		30 Roof	Mechani	TSI	Beige	
143	C	16429	2 Layer	Pipe Insulation Loose -		10 Roof	Mechani	TSI	Beige	
144	C	16430	1 Layer	Pipe Insulation Loose F		20 Roof	Mechani	TSI	Beige	
145	C	16430	2 Layer	Pipe Insulation Loose -		10 Roof	Mechani	TSI	Beige	
146	C	16431	1 Layer	Pipe Insulation Loose F		20 Roof	Mechani	TSI	Beige	
147	C	16431	2 Layer	Pipe Insulation Loose -		10 Roof	Mechani	TSI	Beige	
148	C	16432	1 Layer	Foil/Fiberglass - Black	Trace	Roof	Mechani	TSI	Beige	
149	C	16432	2 Layer	Foil/Fiberglass - Yellow		0 Roof	Mechani	TSI	Beige	
150	C	16433	1 Layer	Pipe Insulation Loose F		20 Roof	Mechani	TSI	Beige	
151	C	16433	2 Layer	Pipe Insulation Loose -		10 Roof	Mechani	TSI	Beige	
152	C	16434	1 Layer	Pipe Insulation Loose F	Trace	Roof	Mechani	TSI	Beige	
153	C	16434	2 Layer	Foil		0 Roof	Mechani	TSI	Beige	
154	C	16434	3 Layer	Fiberglass		0 Roof	Mechani	TSI	Beige	
155	C	16435	1 Layer	Pipe Insulation Loose F		20 Roof	Mechani	TSI	Beige	
156	C	16435	2 Layer	Pipe Insulation Loose E		10 Roof	Mechani	TSI	Beige	
157	C	16436	1 Layer	Pipe Insulation Loose F		20 Roof	Mechani	TSI	Beige	
158	C	16436	2 Layer	Pipe Insulation Loose E		10 Roof	Mechani	TSI	Beige	
159	C	16437	1 Layer	Pipe Insulation Loose F		30 Roof	Mechani	TSI	Beige	
160	C	16437	2 Layer	Pipe Insulation Loose E		10 Roof	Mechani	TSI	Beige	
161	C	16438	1 Layer	Foil/Fiberglass - White		0 Roof	Mechani	TSI	Beige	
162	C	16438	2 Layer	Foil/Fiberglass - White		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
163	C	16439	1 Layer	Foil/Fiberglass - White		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
164	C	16439	2 Layer	Foil/Fiberglass - White		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
165	C	16440	1 Layer	Pipe Insulation Loose -		40 Roof	Mechani	TSI	White/Gray	Insulator Wrap
166	C	16441	1 Layer	Pipe Insulation Loose F		20 Roof	Mechani	TSI	White/Gray	Insulator Wrap
167	C	16441	2 Layer	Pipe Insulation Loose E		20 Roof	Mechani	TSI	White/Gray	Insulator Wrap
168	C	16442	1 Layer	Pipe Insulation Loose E		10 Roof	Mechani	TSI	White/Gray	Insulator Wrap
169	C	16443	1 Layer	Pipe Insulation Loose F		10 Roof	Mechani	TSI	White/Gray	Insulator Wrap
170	C	16443	2 Layer	Foil		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
171	C	16443	3 Layer	Fiberglass		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
172	C	16444	1 Layer	Pipe Insulation Loose F		40 Roof	Mechani	TSI	White/Gray	Insulator Wrap
173	C	16445	1 Layer	Pipe Insulation Loose -		30 Roof	Mechani	TSI	White/Gray	Insulator Wrap
174	C	16446	1 Layer	Pipe Insulation Loose F		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
175	C	16446	2 Layer	Foil		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
176	C	16446	3 Layer	Fiberglass		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
177	C	16447	1 Layer	Pipe Insulation Loose F		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
178	C	16447	2 Layer	Foil		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
179	C	16447	3 Layer	Fiberglass		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
180	C	16448	1 Layer	Pipe Insulation Loose F		30 Roof	Mechani	TSI	White/Gray	Insulator Wrap
181	C	16448	2 Layer	Foil		30 Roof	Mechani	TSI	White/Gray	Insulator Wrap
182	C	16448	3 Layer	Fiberglass		10 Roof	Mechani	TSI	White/Gray	Insulator Wrap
183	C	16449	1 Layer	Pipe Insulation Loose F		20 Roof	Mechani	TSI	White/Gray	Insulator Wrap
184	C	16449	2 Layer	Foil		10 Roof	Mechani	TSI	White/Gray	Insulator Wrap
185	C	16449	3 Layer	Fiberglass		10 Roof	Mechani	TSI	White/Gray	Insulator Wrap
186	C	16450	1 Layer	Pipe Insulation Loose F		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
187	C	16450	2 Layer	Foil		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
188	C	16450	3 Layer	Fiberglass		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
189	C	16451	1 Layer	Pipe Insulation Loose F		20 Roof	Mechani	TSI	White/Gray	Insulator Wrap
190	C	16451	2 Layer	Foil		10 Roof	Mechani	TSI	White/Gray	Insulator Wrap
191	C	16451	3 Layer	Fiberglass		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
192	C	16452	1 Layer	Pipe Insulation Loose F		60 Roof	Mechani	TSI	White/Gray	Insulator Wrap
193	C	16452	2 Layer	Foil		20 Roof	Mechani	TSI	White/Gray	Insulator Wrap
194	C	16452	3 Layer	Fiberglass		10 Roof	Mechani	TSI	White/Gray	Insulator Wrap
195	C	16453	1 Layer	Pipe Insulation Loose F		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
196	C	16453	2 Layer	Foil		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
197	C	16453	3 Layer	Fiberglass		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
198	C	16454	1 Layer	Pipe Insulation Loose F		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
199	C	16454	2 Layer	Foil		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
200	C	16454	3 Layer	Fiberglass		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
201	C	16455	1 Layer	Pipe Insulation Loose F		30 Roof	Mechani	TSI	White/Gray	Insulator Wrap
202	C	16455	2 Layer	Foil		20 Roof	Mechani	TSI	White/Gray	Insulator Wrap
203	C	16455	3 Layer	Fiberglass		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
204	C	16456	1 Layer	Pipe Insulation Loose -		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
205	C	16456	2 Layer	Foil		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
206	C	16456	3 Layer	Fiberglass		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
207	C	16457	1 Layer	Pipe Insulation Loose -		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
208	C	16457	2 Layer	Foil		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
209	C	16457	3 Layer	Fiberglass		0 Roof	Mechani	TSI	White/Gray	Insulator Wrap
210	C	16458	1 Layer	Wrap - Black/Brown		30 Roof	Mechani	TSI	Black	Insulator Wrap
211	C	16458	2 Layer	Wrap Foil		30 Roof	Mechani	TSI	Black	Insulator Wrap
212	C	16458	3 Layer	Wrap		30 Roof	Mechani	TSI	Black	Insulator Wrap
213	C	16459	1 Layer	Wrap - Black/Brown		30 Roof	Mechani	TSI	Black	Insulator Wrap
214	C	16459	2 Layer	Wrap Foil		30 Roof	Mechani	TSI	Black	Insulator Wrap
215	C	16459	3 Layer	Wrap		30 Roof	Mechani	TSI	Black	Insulator Wrap
216	C	16460	1 Layer	Wrap - Black/Brown		30 Roof	Mechani	TSI	Black	Insulator Wrap
217	C	16460	2 Layer	Wrap Foil		30 Roof	Mechani	TSI	Black	Insulator Wrap
218	C	16460	3 Layer	Wrap		30 Roof	Mechani	TSI	Black	Insulator Wrap
219	C	16461	1 Layer	Wrap - Black/Brown		40 Roof	Mechani	TSI	Black	Insulator Wrap
220	C	16461	2 Layer	Wrap Foil		20 Roof	Mechani	TSI	Black	Insulator Wrap
221	C	16461	3 Layer	Wrap		20 Roof	Mechani	TSI	Black	Insulator Wrap

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Room	Material	Color	Field Description
1	C	16462	1 Layer	Wrap - Black/Brown	30	Roof	Mechani TSI	Black	Insulator Wrap
222	C	16462	2 Layer	Wrap Foil	30	Roof	Mechani TSI	Black	Insulator Wrap
223	C	16462	3 Layer	Wrap	30	Roof	Mechani TSI	Black	Insulator Wrap
224	C	16462	1 Layer	Wrap - Black/Brown	30	Roof	Mechani TSI	Black	Insulator Wrap
225	C	16463	2 Layer	Wrap Foil	30	Roof	Mechani TSI	Black	Insulator Wrap
226	C	16463	3 Layer	Wrap	30	Roof	Mechani TSI	Black	Insulator Wrap
227	C	16463	1 Layer	Wrap - Black/Brown	60	Roof	Mechani TSI	Gray	Insulator Wrap
228	C	16464	2 Layer	Wrap Foil	30	Roof	Mechani TSI	Gray	Insulator Wrap
229	C	16464	3 Layer	Wrap	30	Roof	Mechani TSI	Gray	Insulator Wrap
230	C	16465	1 Layer	Wrap	20	Roof	Mechani TSI	Gray	Insulator Wrap
231	C	16465	2 Layer	Wrap	20	Roof	Mechani TSI	Gray	Insulator Wrap
232	C	16465	3 Layer	Wrap	20	Roof	Mechani TSI	Gray	Insulator Wrap
233	C	16466	1 Layer	Wrap	30	Roof	Mechani TSI	Gray	Insulator Wrap
234	C	16466	2 Layer	Wrap	10	Roof	Mechani TSI	Gray	Insulator Wrap
235	C	16466	3 Layer	Wrap	10	Roof	Mechani TSI	Gray	Insulator Wrap
236	C	16467	1 Layer	Wrap	40	Roof	Mechani TSI	Black	Insulator Wrap
237	C	16467	2 Layer	Wrap	40	Roof	Mechani TSI	Black	Insulator Wrap
238	C	16467	3 Layer	Wrap	20	Roof	Mechani TSI	Black	Insulator Wrap
239	C	16468	1 Layer	Wrap	60	Roof	Mechani TSI	Black	Insulator Wrap
240	C	16468	2 Layer	Wrap	20	Roof	Mechani TSI	Black	Insulator Wrap
241	C	16468	3 Layer	Wrap	20	Roof	Mechani TSI	Black	Insulator Wrap
242	C	16468	1 Layer	Wrap - Black/Brown	30	Roof	Mechani TSI	Black	Insulator Wrap
243	C	16469	2 Layer	Wrap Foil	20	Roof	Mechani TSI	Black	Insulator Wrap
244	C	16469	3 Layer	Wrap	20	Roof	Mechani TSI	Black	Insulator Wrap
245	C	16470	1 Layer	Wrap - Black/Brown	30	Roof	Mechani TSI	Black	Insulator Wrap
246	C	16470	2 Layer	Wrap Foil	30	Roof	Mechani TSI	Black	Insulator Wrap
247	C	16470	3 Layer	Wrap	30	Roof	Mechani TSI	Black	Insulator Wrap
248	C	16471	1 Layer	Coating - Black	30	Roof	Mechani TSI	Brown	Insulation
249	C	16471	2 Layer	Tar - Black	30	Roof	Mechani TSI	Brown	Insulation
250	C	16471	1 Layer	Pipe Insulation - Loose	0	Roof	Mechani TSI	Brown	Insulation
251	C	16472	2 Layer	Pipe Insulation - Bulk W Trace	0	Roof	Mechani TSI	Brown	Insulation
252	C	16472	3 Layer	Pipe Insulation - Fabric	0	Roof	Mechani TSI	Brown	Insulation
253	C	16472	1 Layer	Pipe Insulation - Loose	0	Roof	Mechani TSI	Brown	Insulation
254	C	16473	2 Layer	Pipe Insulation - Bulk W	0	Roof	Mechani TSI	Brown	Insulation
255	C	16473	3 Layer	Pipe Insulation - Fabric	0	Roof	Mechani TSI	Brown	Insulation
256	C	16474	1 Layer	Pipe Insulation - Bulk G	80	Roof	Mechani TSI	Brown	Insulation
257	C	16475	1 Layer	Pipe Insulation - Loose	0	Roof	Mechani TSI	Brown	Insulation
258	C	16475	2 Layer	Pipe Insulation - Bulk W Trace	0	Roof	Mechani TSI	Brown	Insulation
259	C	16475	3 Layer	Pipe Insulation - Fabric	0	Roof	Mechani TSI	Brown	Insulation
260	C	16476	1 Layer	Pipe Insulation - Loose	0	Roof	Mechani TSI	Brown	Insulation
261	C	16476	2 Layer	Pipe Insulation - Bulk W	0	Roof	Mechani TSI	Brown	Insulation
262	C	16476	3 Layer	Pipe Insulation - Fabric	0	Roof	Mechani TSI	Brown	Insulation
263	C	16477	1 Layer	Pipe Insulation - Loose	0	Roof	Mechani TSI	Brown	Insulation
264	C	16477	2 Layer	Pipe Insulation - Bulk W Trace	0	Roof	Mechani TSI	Brown	Insulation
265	C	16477	3 Layer	Pipe Insulation - Fabric	0	Roof	Mechani TSI	Brown	Insulation

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	C	16477	3 Layer	Pipe Insulation - Fabric	0	Roof	Mechani	TSI	Brown	Insulation
266	C	16478	1 Layer	Pipe Insulation - Loose	0	Roof	Mechani	TSI	Brown	Insulation
267	C	16478	2 Layer	Pipe Insulation - Bulk W Trace		Roof	Mechani	TSI	Brown	Insulation
268	C	16478	3 Layer	Pipe Insulation - Fabric		Roof	Mechani	TSI	Brown	Insulation
269	C	16479	1 Layer	Pipe Insulation - Loose		Roof	Mechani	TSI	Brown	Insulation
270	C	16479	2 Layer	Pipe Insulation - Bulk W		Roof	Mechani	TSI	Brown	Insulation
271	C	16479	3 Layer	Pipe Insulation - Fabric		Roof	Mechani	TSI	Brown	Insulation
272	C	16480	1 Layer	Pipe Insulation - Loose		Roof	Mechani	TSI	Brown	Insulation
273	C	16480	2 Layer	Pipe Insulation - Bulk W		Roof	Mechani	TSI	Brown	Insulation
274	C	16480	3 Layer	Pipe Insulation - Fabric		Roof	Mechani	TSI	Brown	Insulation
275	C	16481	1 Layer	12 X 12 Floor Tile - Blue		0 1st Floor	C 132A	Floor Tile	Blue	12x12 Lanolium
276	C	16481	2 Layer	Mastic - Yellow		0 1st Floor	C 132A	Floor Tile	Blue	12x12 Lanolium
277	C	16481	3 Layer	Roll Vinyl - Pebble Orar		30 1st Floor	C 132A	Floor Tile	Blue	12x12 Lanolium
278	C	16481	4 Layer	Roll Vinyl - Pebble Gray		30 1st Floor	C 132A	Floor Tile	Blue	12x12 Lanolium
279	C	16482	1 Layer	12 X 12 Floor Tile - Blue		0 1st Floor	C 132	Floor Tile	Blue	12x12 Lanolium
280	C	16482	2 Layer	Mastic - Yellow		0 1st Floor	C 132	Floor Tile	Blue	12x12 Lanolium
281	C	16483	1 Layer	12 X 12 Floor Tile - Blue		0 1st Floor	C 132	Floor Tile	Blue	12x12 Lanolium
282	C	16483	2 Layer	Mastic - Yellow		0 1st Floor	C 132	Floor Tile	Blue	12x12 Lanolium
283	C	16484	1 Layer	12 X 12 Floor Tile - Blue		0 1st Floor	C 132	Floor Tile	Blue	12x12 Lanolium
284	C	16484	2 Layer	Mastic - Yellow		0 1st Floor	C 132	Floor Tile	Blue	12x12 Lanolium
285	C	16484	3 Layer	Roll Vinyl - Pebble Orar		20 1st Floor	C 132	Floor Tile	Blue	Same as 16481
286	C	16484	4 Layer	Roll Vinyl - Pebble Orar		20 1st Floor	C 132	Floor Tile	Blue	Same as 16481
287	C	16485	1 Layer	12 X 12 Floor Tile - Blue		0 1st Floor	C 132	Floor Tile	Blue	Same as 16481
288	C	16485	2 Layer	Mastic - Yellow		0 1st Floor	C 132	Floor Tile	Blue	Same as 16481
289	C	16485	3 Layer	Roll Vinyl - Pebble Orar		25 1st Floor	C 132	Floor Tile	Blue	Same as 16481
290	C	16485	4 Layer	Roll Vinyl - Pebble Orar		25 1st Floor	C 132	Floor Tile	Blue	Same as 16481
291	C	16486	1 Layer	Ceiling Tile - White		0 1st Floor	C 132	Ceiling Tile	White	Same as 16481
292	C	16487	1 Layer	Ceiling Tile - White		0 1st Floor	C 132	Ceiling Tile	White	Same as 16481
293	C	16488	1 Layer	Ceiling Tile - White		0 1st Floor	C 132	Ceiling Tile	White	Same as 16481
294	C	16489	1 Layer	Ceramic Tile 1 X 1 - W/		15 1st Floor	C 132C	Floor Tile	W/Br	Same as 16481
295	C	16489	2 Layer	Mastic - Brown		30 1st Floor	C 132C	Floor Tile	W/Br	Same as 16481
296	C	16490	1 Layer	Ceramic Tile 1 X 1 - W/		15 1st Floor	C 132C	Floor Tile	W/Br	Same as 16481
297	C	16490	2 Layer	Mastic - Brown		30 1st Floor	C 132C	Floor Tile	W/Br	Same as 16481
298	C	16491	1 Layer	Ceramic Tile 1 X 1 - W/		15 1st Floor	C 132C	Floor Tile	White	Above Judges Desk
299	C	16492	1 Layer	Ceramic Tile 4 X 4 - W/		20 1st Floor	C 132C	Wall Tile	White	1X1 Off Court
300	C	16492	2 Layer	Mastic - Brown		30 1st Floor	C 132C	Wall Tile	White	1X1 Off Court
301	C	16493	1 Layer	Ceramic Tile 4 X 4 - W/		15 1st Floor	C 132C	Wall Tile	White	1X1 Off Court
302	C	16493	2 Layer	Mastic - Brown		30 1st Floor	C 132C	Wall Tile	White	1X1 Off Court
303	C	16494	1 Layer	Ceramic Tile 4 X 4 - W/		15 1st Floor	C 132C	Wall Tile	White	4X4 Off Court
304	C	16494	2 Layer	Mastic - Brown		30 1st Floor	C 132C	Wall Tile	White	4X4 Off Court
305	C	16495	1 Layer	Ceramic Tile 4 X 4 - W/		15 1st Floor	C 132C	Wall Tile	White	4X4 Off Court
306	C	16495	2 Layer	Mastic - Brown		30 1st Floor	C 132C	Wall Tile	White	4X4 Off Court
307	C	16496	1 Layer	Ceramic Tile 4 X 4 - W/		15 1st Floor	C 132D	Wall Tile	Brown	4X4 Off Court
308	C	16496	2 Layer	Mastic - Brown		30 1st Floor	C 132D	Wall Tile	Brown	4X4 Off Court
309	C	16496	2 Layer	Mastic - Brown		30 1st Floor	C 132D	Wall Tile	Brown	4X4 Off Court

	A	B	C	D	E	F Everything	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Field Description
310	C	16497	1 Layer	Ceramic Tile 4 X 4 - Brown	20	1st Floor	C 132D	Wall Tile	4X4 Off Court
311	C	16497	2 Layer	Mastic - Brown	30	1st Floor	C 132D	Wall Tile	4X4 Off Court
312	C	16498	1 Layer	Ceramic Tile 1 X 1 - White	15	1st Floor	C 132D	Floor Tile	1X1 Off Court
313	C	16498	2 Layer	Mastic - Brown	30	1st Floor	C 132D	Floor Tile	1X1 Off Court
314	C	16499	1 Layer	Ceramic Tile 1 X 1 - White	15	1st Floor	C 132D	Floor Tile	1X1 Off Court
315	C	16499	2 Layer	Mastic - Brown	30	1st Floor	C 132D	Floor Tile	1X1 Off Court
316	C	16500	1 Layer	Ceramic Tile 1 X 1 - Brown	15	1st Floor	C 132D	Floor Tile	1X1 Off Court
317	C	16500	2 Layer	Mastic - Brown	20	1st Floor	C 132D	Floor Tile	1X1 Off Court
318	C	16500	3 Layer	Ceramic Tile 1 X 1 - White	15	1st Floor	C 132D	Floor Tile	1X1 Off Court
319	C	16500	4 Layer	Mastic - Brown	30	1st Floor	C 132D	Floor Tile	1X1 Off Court
320	C	16501	1 Layer	Carpet - Gray	0	1st Floor	C 132	Carpet	By Judge Bench
321	C	16501	2 Layer	Mastic - Yellow	0	1st Floor	C 132	Carpet	By Judge Bench
322	C	16502	1 Layer	Carpet - Gray	0	1st Floor	C 132	Carpet	By Judge Bench
323	C	16502	2 Layer	Mastic - Yellow	0	1st Floor	C 132	Carpet	By Judge Bench
324	C	16503	1 Layer	Carpet - Gray	0	1st Floor	C 132	Carpet	By Judge Bench
325	C	16503	2 Layer	Mastic - Yellow	0	1st Floor	C 132	Carpet	By Judge Bench
326	C	16504	1 Layer	Baseboard - Gray	0	1st Floor	C 132	Base Molding	Base Molding
327	C	16504	2 Layer	Mastic - Yellow	0	1st Floor	C 132	Base Molding	Base Molding
328	C	16505	1 Layer	Baseboard - Gray	0	1st Floor	C 132	Base Molding	Base Molding
329	C	16505	2 Layer	Mastic - Yellow	0	1st Floor	C 132	Base Molding	Base Molding
330	C	16506	1 Layer	Baseboard - Gray	0	1st Floor	C 132	Base Molding	Base Molding
331	C	16506	2 Layer	Mastic - Yellow	0	1st Floor	C 132	Base Molding	Base Molding
332	C	16507	1 Layer	Caulk - White	0	1st Floor	C 132	Caulking	Window caulking
333	C	16508	1 Layer	Caulk - White	0	1st Floor	C 132	Caulking	Window caulking
334	C	16509	1 Layer	Caulk - White	0	1st Floor	C 132	Caulking	Window caulking
335	C	16510	1 Layer	Carpet - Multi Brown	0	1st Floor	C 133	Carpet	Judges Chamber
336	C	16510	2 Layer	Mastic - Yellow	0	1st Floor	C 133	Carpet	Judges Chamber
337	C	16511	1 Layer	Carpet - Multi Brown	0	1st Floor	C 133	Carpet	Judges Chamber
338	C	16511	2 Layer	Mastic - Yellow	0	1st Floor	C 133	Carpet	Judges Chamber
339	C	16512	1 Layer	Carpet - Multi Brown	0	1st Floor	C 133	Carpet	Judges Chamber
340	C	16512	2 Layer	Mastic - Yellow	0	1st Floor	C 133	Carpet	Judges Chamber
341	C	16513	1 Layer	Baseboard - Brown	0	1st Floor	C 133	Base Molding	Judges Chamber
342	C	16513	2 Layer	Mastic - Yellow	0	1st Floor	C 133	Base Molding	Judges Chamber
343	C	16514	1 Layer	Baseboard - Brown	0	1st Floor	C 133	Base Molding	Judges Chamber
344	C	16514	2 Layer	Mastic - Yellow	0	1st Floor	C 133	Base Molding	Judges Chamber
345	C	16515	1 Layer	Baseboard - Brown	0	1st Floor	C 133	Base Molding	Judges Chamber
346	C	16515	2 Layer	Mastic - Yellow	0	1st Floor	C 133	Base Molding	Judges Chamber
347	C	16516	1 Layer	Wallpaper	0	1st Floor	C 133	Wall Paper	Judges Bathroom
348	C	16517	1 Layer	Wallpaper	0	1st Floor	C 133	Wall Paper	Judges Bathroom
349	C	16518	1 Layer	Wallpaper	0	1st Floor	C 133	Wall Paper	Judges Bathroom
350	C	16519	1 Layer	Baseboard - Brown	0	1st Floor	C 134	Base Molding	Base Molding
351	C	16519	2 Layer	Mastic - Yellow	0	1st Floor	C 134	Base Molding	Base Molding
352	C	16520	1 Layer	Baseboard - Brown	0	1st Floor	C 134	Base Molding	Base Molding
353	C	16520	2 Layer	Mastic - Yellow	0	1st Floor	C 134	Base Molding	Base Molding

	A	B	C	D	E	F Everything	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
398	C	16540	2 Layer	Mastic - Yellow	0	1st Floor	Floor Tile	Dark Blue	12X12 w/Lanolinium under
399	C	16541	1 Layer	Floor Tile 12 X 12 - Dark	0	1st Floor	Floor Tile	Dark Blue	12X12 w/Lanolinium under
400	C	16541	2 Layer	Mastic - Yellow	0	1st Floor	Floor Tile	Dark Blue	12X12 w/Lanolinium under
401	C	16542	1 Layer	Floor Tile 12 X 12 - Dark	0	1st Floor	Floor Tile	Dark Blue	12X12 w/Lanolinium under
402	C	16542	2 Layer	Mastic - Yellow	0	1st Floor	Floor Tile	Dark Blue	12X12 w/Lanolinium under
403	C	16542	3 Layer	Roll Vinyl - Pebble	20	1st Floor	Floor Tile	Dark Blue	12X12 w/Lanolinium under
404	C	16543	1 Layer	Baseboard - Light Gray	0	1st Floor	Base Molding Gray	Hallway	Hallway
405	C	16543	2 Layer	Mastic - Yellow	0	1st Floor	Base Molding Gray	Hallway	Hallway
406	C	16544	1 Layer	Baseboard - Light Gray	0	1st Floor	Base Molding Gray	Hallway	Hallway
407	C	16544	2 Layer	Mastic - Yellow	0	1st Floor	Base Molding Gray	Hallway	Hallway
408	C	16545	1 Layer	Baseboard - Light Gray	0	1st Floor	Base Molding Gray	Hallway	Hallway
409	C	16545	2 Layer	Mastic - Yellow	0	1st Floor	Base Molding Gray	Hallway	Hallway
410	C	16546	1 Layer	Carpet - Brown	0	1st Floor	Carpet	Brown	2X2 Judge #2
411	C	16546	2 Layer	Rubber Backed	0	1st Floor	Carpet	Brown	2X2 Judge #2
412	C	16547	1 Layer	Carpet - Brown	0	1st Floor	Carpet	Brown	2X2 Judge #2
413	C	16547	2 Layer	Rubber Backed	0	1st Floor	Carpet	Brown	2X2 Judge #2
414	C	16548	1 Layer	Carpet - Brown	0	1st Floor	Carpet	Brown	2X2 Judge #2
415	C	16548	2 Layer	Rubber Backed	0	1st Floor	Carpet	Brown	2X2 Judge #2
416	C	16549	1 Layer	Roll Vinyl - Gray Pebble	15	1st Floor	Lanolinium	Gray	
417	C	16549	2 Layer	Mastic - MultiColor	10	1st Floor	Lanolinium	Gray	
418	C	16550	1 Layer	Roll Vinyl - Gray Pebble	15	1st Floor	Lanolinium	Gray	
419	C	16550	2 Layer	Mastic - MultiColor	20	1st Floor	Lanolinium	Gray	
420	C	16551	1 Layer	Roll Vinyl - Gray Pebble	15	1st Floor	Lanolinium	Gray	
421	C	16551	2 Layer	Mastic - MultiColor	10	1st Floor	Lanolinium	Gray	
422	C	16552	1 Layer	Wallpaper	0	1st Floor	Wall Paper	yellow	admin b-room
423	C	16553	1 Layer	Wallpaper	0	1st Floor	Wall Paper	yellow	admin b-room
424	C	16554	1 Layer	Wallpaper	0	1st Floor	Wall Paper	yellow	admin b-room
425	C	16555	1 Layer	Carpet - Light Brown	0	1st Floor	Carpet	Gold	down from judges chamber
426	C	16555	2 Layer	Rubber Backed	0	1st Floor	Carpet	Gold	down from judges chamber
427	C	16556	1 Layer	Carpet - Light Brown	0	1st Floor	Carpet	Gold	down from judges chamber
428	C	16556	2 Layer	Rubber Backed	0	1st Floor	Carpet	Gold	down from judges chamber
429	C	16557	1 Layer	Carpet - Light Brown	0	1st Floor	Carpet	Gold	down from judges chamber
430	C	16557	2 Layer	Rubber Backed	0	1st Floor	Carpet	Gold	down from judges chamber
431	C	16558	1 Layer	Baseboard - Tan	0	1st Floor	Base Molding		
432	C	16558	2 Layer	Mastic - Yellow	0	1st Floor	Base Molding		
433	C	16559	1 Layer	Baseboard - Tan	0	1st Floor	Base Molding		
434	C	16559	2 Layer	Mastic - Yellow	0	1st Floor	Base Molding		
435	C	16560	1 Layer	Baseboard - Tan	0	1st Floor	Base Molding		
436	C	16560	2 Layer	Mastic - Yellow	0	1st Floor	Base Molding		
437	C	16561	1 Layer	Carpet - Tan	0	1st Floor	Carpet	Gold	
438	C	16562	1 Layer	Carpet - Tan	0	1st Floor	Carpet	Gold	
439	C	16563	1 Layer	Carpet - Tan	0	1st Floor	Carpet	Gold	
440	C	16563	2 Layer	Paper Back	0	1st Floor	Carpet	Gold	
441	C	16563	3 Layer	Foam Padding	0	1st Floor	Carpet	Gold	

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	C	16564	1 Layer	Baseboard - Dark Brown		0 1st Floor	C 106	Base Molding	Dark Brown	
442	C	16564	2 Layer	Mastic - Yellow		0 1st Floor	C 106	Base Molding	Dark Brown	
443	C	16564	1 Layer	Baseboard - Dark Brown		0 1st Floor	C 106	Base Molding	Dark Brown	
444	C	16565	2 Layer	Mastic - Yellow		0 1st Floor	C 106	Base Molding	Dark Brown	
445	C	16565	1 Layer	Baseboard - Dark Brown		0 1st Floor	C 106	Base Molding	Dark Brown	
446	C	16566	2 Layer	Mastic - Yellow		0 1st Floor	C 106	Base Molding	Dark Brown	
447	C	16566	1 Layer	Ceramic Tile 12 X 12 -		0 1st Floor	C 106	Floor Tile	Dark Brown	12x12 w/ 1X1 underneth
448	C	16567	2 Layer	Ceramic Tile 1 X 1 - White		15 1st Floor	C 106	Floor Tile	Dark Brown	12x12 w/ 1X1 underneth
449	C	16567	3 Layer	Grout - Brown		0 1st Floor	C 106	Floor Tile	Dark Brown	12x12 w/ 1X1 underneth
450	C	16568	1 Layer	Ceramic Tile 12 X 12 -		0 1st Floor	C 106	Floor Tile	Dark Brown	12x12 w/ 1X1 underneth
451	C	16568	2 Layer	Grout - Brown		15 1st Floor	C 106	Floor Tile	Dark Brown	12x12 w/ 1X1 underneth
452	C	16568	3 Layer	Ceramic Tile 1 X 1 - White		0 1st Floor	C 106	Floor Tile	Dark Brown	12x12 w/ 1X1 underneth
453	C	16569	1 Layer	Ceramic Tile 12 X 12 -		0 1st Floor	C 106	Floor Tile	Dark Brown	12x12 w/ 1X1 underneth
454	C	16569	2 Layer	Ceramic Tile 1 X 1 - White		15 1st Floor	C 106	Floor Tile	Dark Brown	12x12 w/ 1X1 underneth
455	C	16569	3 Layer	Grout - Brown		0 1st Floor	C 106	Floor Tile	Dark Brown	12x12 w/ 1X1 underneth
456	C	16570	1 Layer	Carpet - Red		0 1st Floor	C 105	Carpet	Red	
457	C	16570	2 Layer	Paper Backing		0 1st Floor	C 105	Carpet	Red	
458	C	16570	3 Layer	Foam Padding		0 1st Floor	C 105	Carpet	Red	
459	C	16571	1 Layer	Carpet - Red		0 1st Floor	C 105	Carpet	Red	
460	C	16572	1 Layer	Carpet - Red		0 1st Floor	C 105	Carpet	Red	
461	C	16573	1 Layer	Baseboard - Red		0 1st Floor	C 105	Base Molding	Red/Black	
462	C	16573	2 Layer	Mastic - Yellow		0 1st Floor	C 105	Base Molding	Red/Black	
463	C	16574	1 Layer	Baseboard - Red		0 1st Floor	C 105	Base Molding	Red/Black	
464	C	16574	2 Layer	Mastic - Yellow		0 1st Floor	C 105	Base Molding	Red/Black	
465	C	16575	1 Layer	Baseboard - Red		0 1st Floor	C 105	Base Molding	Red/Black	
466	C	16575	2 Layer	Mastic - Yellow		0 1st Floor	C 105	Base Molding	Red/Black	
467	C	16576	1 Layer	Carpet - Dark Blue		0 1st Floor	C 102	Carpet	Blue	no other blue
468	C	16576	2 Layer	Mastic - Yellow		0 1st Floor	C 102	Carpet	Blue	no other blue
469	C	16577	1 Layer	Carpet - Dark Blue		0 1st Floor	C 102	Carpet	Blue	no other blue
470	C	16577	2 Layer	Mastic - Yellow		0 1st Floor	C 102	Carpet	Blue	no other blue
471	C	16578	1 Layer	Carpet - Dark Blue		0 1st Floor	C 102	Carpet	Blue	no other blue
472	C	16578	2 Layer	Mastic - Yellow		0 1st Floor	C 102	Carpet	Blue	no other blue
473	C	16578	1 Layer	Baseboard - Black		0 1st Floor	C 102	Base Molding	Black	
474	C	16579	2 Layer	Mastic - Yellow		0 1st Floor	C 102	Base Molding	Black	
475	C	16580	1 Layer	Baseboard - Black		0 1st Floor	C 102	Base Molding	Black	
476	C	16580	2 Layer	Mastic - Yellow		0 1st Floor	C 102	Base Molding	Black	
477	C	16581	1 Layer	Baseboard - Black		0 1st Floor	C 102	Base Molding	Black	
478	C	16581	2 Layer	Mastic - Yellow		0 1st Floor	C 102	Base Molding	Black	
479	C	16582	1 Layer	Floor Tile 12 X 12 - Black		0 1st Floor	C 127	Floor Tile	Blue/Green	no other blue
480	C	16582	2 Layer	Mastic - Yellow		0 1st Floor	C 127	Floor Tile	Blue/Green	no other blue
481	C	16583	1 Layer	Floor Tile 12 X 12 - Black		0 1st Floor	C 128	Floor Tile	Blue/Green	no other blue
482	C	16583	2 Layer	Mastic - Yellow		0 1st Floor	C 128	Floor Tile	Blue/Green	no other blue
483	C	16584	1 Layer	Floor Tile 12 X 12 - Black		0 1st Floor	C 129	Floor Tile	Blue/Green	no other blue
484	C	16584	2 Layer	Mastic - Yellow		0 1st Floor	C 129	Floor Tile	Blue/Green	no other blue
485	C	16584	1 Layer	Floor Tile 12 X 12 - Black		0 1st Floor	C 129	Floor Tile	Blue/Green	no other blue

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	C	16585	1 Layer	Floor Tile 12 X 12 - Gre		0 1st Floor	C 118	Floor Tile	Green	w/ white streaks
486	C	16585	2 Layer	Mastic - Yellow		0 1st Floor	C 118	Floor Tile	Green	w/ white streaks
487	C	16586	1 Layer	Floor Tile 12 X 12 - Gre		0 1st Floor	C 118	Floor Tile	Green	w/ white streaks
488	C	16586	2 Layer	Mastic - Yellow		0 1st Floor	C 118	Floor Tile	Green	w/ white streaks
489	C	16587	1 Layer	Floor Tile 12 X 12 - Gre		0 1st Floor	C 118	Floor Tile	Green	w/ white streaks
490	C	16587	2 Layer	Mastic - Yellow		0 1st Floor	C 118	Floor Tile	Green	w/ white streaks
491	C	16588	1 Layer	Floor Tile 12 X 12 - Bro		0 1st Floor	C 130	Floor Tile	Brown	
492	C	16588	2 Layer	Mastic - Yellow		0 1st Floor	C 130	Floor Tile	Brown	
493	C	16589	1 Layer	Floor Tile 12 X 12 - Bro		0 1st Floor	C 130	Floor Tile	Brown	
494	C	16589	2 Layer	Mastic - Yellow		0 1st Floor	C 130	Floor Tile	Brown	
495	C	16590	1 Layer	Floor Tile 12 X 12 - Bro		0 1st Floor	C 130	Floor Tile	Brown	
496	C	16590	2 Layer	Mastic - Yellow		0 1st Floor	C 130	Floor Tile	Brown	
497	C	16591	1 Layer	Floor Tile 12 X 12 - Wh		0 1st Floor	C 130	Floor Tile	White	
498	C	16591	2 Layer	Mastic - Yellow		0 1st Floor	C 130	Floor Tile	White	
499	C	16592	1 Layer	Floor Tile 12 X 12 - Wh		0 1st Floor	C 130	Floor Tile	White	
500	C	16592	2 Layer	Mastic - Yellow		0 1st Floor	C 130	Floor Tile	White	
501	C	16593	1 Layer	Floor Tile 12 X 12 - Wh		0 1st Floor	C 130	Floor Tile	White	
502	C	16593	2 Layer	Mastic - Yellow		0 1st Floor	C 130	Floor Tile	White	
503	C	16594	1 Layer	Floor Tile 12 X 12 - Wh		0 1st Floor	C 130	Floor Tile	White	w/ brown streaks
504	C	16594	2 Layer	Mastic - Yellow		0 1st Floor	C 130	Floor Tile	White	w/ brown streaks
505	C	16595	1 Layer	Floor Tile 12 X 12 - Wh		0 1st Floor	C 130	Floor Tile	White	w/ brown streaks
506	C	16595	2 Layer	Mastic - Yellow		0 1st Floor	C 130	Floor Tile	White	w/ brown streaks
507	C	16596	1 Layer	Floor Tile 12 X 12 - Wh		0 1st Floor	C 130	Floor Tile	White	w/ brown streaks
508	C	16596	2 Layer	Mastic - Yellow		0 1st Floor	C 130	Floor Tile	White	w/ brown streaks
509	C	16597	1 Layer	Baseboard - Brown		0 1st Floor	C 130	Base Molding	Brown	
510	C	16598	1 Layer	Baseboard - Brown		0 1st Floor	C 130	Base Molding	Brown	
511	C	16599	1 Layer	Baseboard - Brown		0 1st Floor	C 130	Base Molding	Brown	
512	C	16600	1 Layer	Ceiling Tile - White		0 1st Floor	C 130	Ceiling Tile	White	Same as hallway & admin area
513	C	16601	1 Layer	Ceiling Tile - White	Trace	1st Floor	C 130	Ceiling Tile	White	Same as hallway & admin area
514	C	16602	1 Layer	Ceiling Tile - White	Trace	1st Floor	C 130	Ceiling Tile	White	Same as hallway & admin area
515	C	16603	1 Layer	Pipe Insulation Outer -		20 1st Floor	C 124	TSI	Black	Pipe Insulation
516	C	16603	2 Layer	Insulation Inside - Black		20 1st Floor	C 124	TSI	Black	Pipe Insulation
517	C	16604	1 Layer	Pipe Insulation Outer -		10 1st Floor	C 124	TSI	Black	Pipe Insulation
518	C	16604	2 Layer	Foil		0 1st Floor	C 124	TSI	Black	Pipe Insulation
519	C	16604	3 Layer	Insulation Inside - Black		10 1st Floor	C 124	TSI	Black	Pipe Insulation
520	C	16605	1 Layer	Pipe Insulation Outer -		10 1st Floor	C 124	TSI	White	Pipe Insulation
521	C	16605	2 Layer	Foil		0 1st Floor	C 124	TSI	White	Pipe Insulation
522	C	16605	3 Layer	Insulation Inside - Black		10 1st Floor	C 124	TSI	White	Pipe Insulation
523	C	16606	1 Layer	Pipe Insulation Outer -		10 1st Floor	C 124	TSI	White	Pipe Insulation
524	C	16606	2 Layer	Foil		0 1st Floor	C 124	TSI	White	Pipe Insulation
525	C	16606	3 Layer	Insulation Inside - Black		10 1st Floor	C 124	TSI	White	Pipe Insulation
526	C	16607	1 Layer	Pipe Insulation Outer -		10 1st Floor	C 124	TSI	Black	Pipe Insulation
527	C	16607	2 Layer	Insulation Inside - Black		10 1st Floor	C 124	TSI	Black	Pipe Insulation
528	C	16608	1 Layer	Pipe Insulation Outer -		30 1st Floor	C 124	TSI	White	Pipe Insulation

	A	B	C	D	E	F Everything	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
530	C	16608	2 Layer	Foil		0 1st Floor	C 124	TSI	White	Pipe Insulation
531	C	16608	3 Layer	Insulation Inside - Black		20 1st Floor	C 124	TSI	White	Pipe Insulation
532	C	16609	1 Layer	Pipe Insulation Outer -		60 1st Floor	C 124	TSI	Black	Pipe Insulation
533	C	16609	2 Layer	Insulation Inside - Black		60 1st Floor	C 124	TSI	Black	Pipe Insulation
534	C	16610	1 Layer	Pipe Insulation Outer -	Trace	1st Floor	C 124	TSI	White	
535	C	16610	2 Layer	Foil		0 1st Floor	C 124	TSI	White	
536	C	16610	3 Layer	Fiberglass - yellow		0 1st Floor	C 124	TSI	White	
537	C	16611	1 Layer	Pipe Insulation Loose -		20 1st Floor	C 124	TSI	White	Elbow
538	C	16611	2 Layer	Bulk		20 1st Floor	C 124	TSI	White	Elbow
539	C	16611	3 Layer	Fabric - White		0 1st Floor	C 124	TSI	White	Elbow
540	C	16612	1 Layer	Pipe Insulation Loose -		10 1st Floor	C 124	TSI	White	
541	C	16612	2 Layer	Bulk		10 1st Floor	C 124	TSI	White	
542	C	16612	3 Layer	Fabric - White		0 1st Floor	C 124	TSI	White	
543	C	16613	1 Layer	Pipe Insulation - Foil		0 1st Floor	C 124	TSI	White	
544	C	16613	2 Layer	Fiberglass		0 1st Floor	C 124	TSI	White	
545	C	16614	1 Layer	Pipe Insulation Paper -		0 1st Floor	C 124	TSI	White	
546	C	16614	2 Layer	Foil		0 1st Floor	C 124	TSI	White	
547	C	16614	3 Layer	Fiberglass		0 1st Floor	C 124	TSI	White	
548	C	16615	1 Layer	Pipe Insulation Paper -	Trace	1st Floor	C 124	TSI	White	
549	C	16615	2 Layer	Foil		0 1st Floor	C 124	TSI	White	
550	C	16615	3 Layer	Fiberglass		0 1st Floor	C 124	TSI	White	
551	C	16616	1 Layer	Pipe Insulation Loose -		0 1st Floor	C 124	TSI	White	
552	C	16616	2 Layer	Bulk - White		0 1st Floor	C 124	TSI	White	
553	C	16616	3 Layer	Fabric - White		0 1st Floor	C 124	TSI	White	
554	C	16617	1 Layer	Pipe Insulation Loose -		20 1st Floor	C 124	TSI	White	
555	C	16617	2 Layer	Bulk - White		20 1st Floor	C 124	TSI	White	
556	C	16617	3 Layer	Fabric - White		10 1st Floor	C 124	TSI	White	
557	C	16618	1 Layer	Pipe Insulation Loose -		10 1st Floor	C 124	TSI	Yellow	
558	C	16618	2 Layer	Bulk - White		10 1st Floor	C 124	TSI	Yellow	
559	C	16618	3 Layer	Fabric - White		10 1st Floor	C 124	TSI	Yellow	
560	C	16619	1 Layer	Pipe Insulation - Foil		0 1st Floor	C 124	TSI	Yellow	
561	C	16619	2 Layer	Fiberglass		0 1st Floor	C 124	TSI	Yellow	
562	C	16620	1 Layer	Pipe Insulation Loose -		10 1st Floor	C 124	TSI	White	
563	C	16620	2 Layer	Bulk - White		10 1st Floor	C 124	TSI	White	
564	C	16620	3 Layer	Fabric - White	Trace	1st Floor	C 124	TSI	White	Elbow Mud
565	C	16621	1 Layer	Pipe Insulation Loose -		0 1st Floor	C 124	TSI	White	Elbow Mud
566	C	16621	2 Layer	Bulk - White		0 1st Floor	C 124	TSI	White	Elbow Mud
567	C	16621	3 Layer	Fabric - White		0 1st Floor	C 124	TSI	White	Elbow Mud
568	C	16621	4 Layer	Fabric - White		0 1st Floor	C 124	TSI	White	Elbow Mud
569	C	16622	1 Layer	Pipe Insulation Loose -	Trace	1st Floor	C 124	TSI	White	Elbow Mud
570	C	16622	2 Layer	Bulk - White	Trace	1st Floor	C 124	TSI	White	Elbow Mud
571	C	16622	3 Layer	Fabric - White		0 1st Floor	C 124	TSI	White	3 bathrooms
572	C	16623	1 Layer	Ceramic Tile 4 X4 - Gre		20 1st Floor	C 108	Floor Tile	light green	3 bathrooms
573	C	16623	2 Layer	Mastic - Yellow		20 1st Floor	C 108	Floor Tile	light green	3 bathrooms

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1									
574	C	16624	1 Layer	Ceramic Tile 4 X4 - Grey	20	1st Floor	C 107	Floor Tile	light green
575	C	16624	2 Layer	Mastic - Yellow	20	1st Floor	C 107	Floor Tile	light green
576	C	16625	1 Layer	Ceramic Tile 4 X4 - Grey	20	1st Floor	C 131	Floor Tile	light green
577	C	16625	2 Layer	Mastic - Yellow	20	1st Floor	C 131	Floor Tile	light green
578	C	16626	1 Layer	Wallpaper	0	1st Floor	C 108	Wallpaper	Beige
579	C	16627	1 Layer	Wallpaper	0	1st Floor	C 108	Wallpaper	Beige
580	C	16628	1 Layer	Wallpaper	0	1st Floor	C 108	Wallpaper	Beige
581	C	16629	1 Layer	Baseboard - Khaki/Grey	0	1st Floor	C 108	Base Molding Green	
582	C	16629	2 Layer	Mastic - Yellow	0	1st Floor	C 108	Base Molding Green	
583	C	16630	1 Layer	Baseboard - Khaki/Grey	0	1st Floor	C 108	Base Molding Green	
584	C	16630	2 Layer	Mastic - Yellow	0	1st Floor	C 108	Base Molding Green	
585	C	16631	1 Layer	Baseboard - Khaki/Grey	0	1st Floor	C 108	Base Molding Green	
586	C	16631	2 Layer	Mastic - Yellow	0	1st Floor	C 108	Base Molding Green	
587	C	16632	1 Layer	Baseboard - Tan	0	1st Floor	C 107	Base Molding Light Beige	
588	C	16632	2 Layer	Mastic - Yellow	0	1st Floor	C 107	Base Molding Light Beige	
589	C	16633	1 Layer	Baseboard - Tan	0	1st Floor	C 107	Base Molding Light Beige	
590	C	16633	2 Layer	Mastic - Yellow	0	1st Floor	C 107	Base Molding Light Beige	
591	C	16634	1 Layer	Baseboard - Tan	0	1st Floor	C 107	Base Molding Light Beige	
592	C	16634	2 Layer	Mastic - Yellow	0	1st Floor	C 107	Base Molding Light Beige	
593	C	16635	1 Layer	Wallpaper	0	1st Floor	C 107	Wallpaper	Multi
594	C	16636	1 Layer	Wallpaper	0	1st Floor	C 107	Wallpaper	Multi
595	C	16637	1 Layer	Wallpaper	0	1st Floor	C 107	Wallpaper	Multi
596	C	16638	1 Layer	Pipe Insulation Outer -	40	1st Floor	C 108	TSI	Black Vertical
597	C	16638	2 Layer	Foil	0	1st Floor	C 108	TSI	Black Vertical
598	C	16638	3 Layer	Bulk - Black	20	1st Floor	C 108	TSI	Black Vertical
599	C	16639	1 Layer	Pipe Insulation Outer -	40	1st Floor	C 108	TSI	Elbow
600	C	16639	2 Layer	Foil	0	1st Floor	C 108	TSI	Elbow
601	C	16639	3 Layer	Bulk - Black	20	1st Floor	C 108	TSI	Elbow
602	C	16640	1 Layer	Pipe Insulation Outer -	20	1st Floor	C 108	TSI	12 sided TSI run
603	C	16640	2 Layer	Foil	0	1st Floor	C 108	TSI	12 sided TSI run
604	C	16640	3 Layer	Bulk - Black	10	1st Floor	C 108	TSI	12 sided TSI run
605	C	16641	1 Layer	Pipe Insulation Outer -	30	1st Floor	C 108	TSI	Elbow
606	C	16641	2 Layer	Foil	0	1st Floor	C 108	TSI	Elbow
607	C	16641	3 Layer	Bulk - Black	10	1st Floor	C 108	TSI	Elbow
608	C	16642	1 Layer	Pipe Insulation Outer -	20	1st Floor	C 108	TSI	T-Joint
609	C	16642	2 Layer	Bulk - Black	20	1st Floor	C 108	TSI	T-Joint
610	C	16643	1 Layer	Pipe Insulation Paper -	0	1st Floor	C 108	TSI	12 sided TSI run
611	C	16643	2 Layer	Foil	0	1st Floor	C 108	TSI	12 sided TSI run
612	C	16643	3 Layer	Bulk - Black	0	1st Floor	C 108	TSI	12 sided TSI run
613	C	16644	1 Layer	Pipe Insulation Paper -	0	1st Floor	C 108	TSI	T-Joint
614	C	16644	2 Layer	Foil	0	1st Floor	C 108	TSI	T-Joint
615	C	16644	3 Layer	Bulk - Black	0	1st Floor	C 108	TSI	T-Joint
616	C	16645	1 Layer	Pipe Insulation Outer -	20	1st Floor	C 108	TSI	Elbow
617	C	16645	2 Layer	Bulk - Black	20	1st Floor	C 108	TSI	Elbow

	A	B	C	D	E	F	Everything	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
618	C	16646	1 Layer	Pipe Insulation Outer - Bulk - Black	60	1st Floor	C 108	TSI	Black	Elbow
619	C	16646	2 Layer	Bulk - Black	20	1st Floor	C 108	TSI	Black	Elbow
620	C	16647	1 Layer	Pipe Insulation Outer - Bulk - Black	20	1st Floor	C 108	TSI	Silver/White	Wall Battery
621	C	16647	2 Layer	Bulk - Black	20	1st Floor	C 108	TSI	Silver/White	Wall Battery
622	C	16648	1 Layer	Pipe Insulation Paper - Foil	0	1st Floor	C 108	TSI	Beige	TSI Run
623	C	16648	2 Layer	Fiberglass	0	1st Floor	C 108	TSI	Beige	TSI Run
624	C	16648	3 Layer	Pipe Insulation Paper - Foil	0	1st Floor	C 108	TSI	Beige	TSI Run
625	C	16649	1 Layer	Pipe Insulation Paper - Foil	0	1st Floor	C 108	TSI	Beige	TSI Run
626	C	16649	2 Layer	Fiberglass	0	1st Floor	C 108	TSI	Beige	TSI Run
627	C	16650	1 Layer	Pipe Insulation Outer - Bulk - Black	30	1st Floor	C 108	TSI	Black	TSI T
628	C	16650	2 Layer	Bulk - Black	30	1st Floor	C 108	TSI	Black	TSI T
629	C	16651	1 Layer	Pipe Insulation Outer - Bulk - Black	40	1st Floor	C 108	TSI	Black	TSI T
630	C	16651	2 Layer	Bulk - Black	40	1st Floor	C 108	TSI	Black	TSI T
631	C	16652	1 Layer	Pipe Insulation Outer - Bulk - Black	40	1st Floor	C 108	TSI	Black	TSI Elbow
632	C	16652	2 Layer	Bulk - Black	40	1st Floor	C 108	TSI	Black	TSI Elbow
633	C	16653	1 Layer	Pipe Insulation Outer - Bulk - Black	40	1st Floor	C 108	TSI	Black	TSI Elbow
634	C	16653	2 Layer	Bulk - Black	40	1st Floor	C 108	TSI	Black	TSI Elbow
635	C	16654	1 Layer	Pipe Insulation Outer - Bulk - Black	10	1st Floor	C 108	TSI	Black	Wrap
636	C	16654	2 Layer	Bulk - Black	10	1st Floor	C 108	TSI	Black	Wrap
637	C	16655	1 Layer	Pipe Insulation Loose - Bulk - White	15	1st Floor	C 108	TSI	White	Broken Joint Mud
638	C	16655	2 Layer	Bulk - White	10	1st Floor	C 108	TSI	White	Broken Joint Mud
639	C	16655	3 Layer	Fabric - White	10	1st Floor	C 108	TSI	White	Broken Joint Mud
640	C	16656	1 Layer	Pipe Insulation Loose - Bulk - White	10	1st Floor	C 108	TSI	White	Broken Joint Mud
641	C	16656	2 Layer	Bulk - White	10	1st Floor	C 108	TSI	White	Broken Joint Mud
642	C	16656	3 Layer	Fabric - White	10	1st Floor	C 108	TSI	White	Broken Joint Mud
643	C	16657	1 Layer	Carpet - Green	0	1st Floor	C 109	Carpet	Green	
644	C	16657	2 Layer	Mastic - Yellow	0	1st Floor	C 109	Carpet	Green	
645	C	16658	1 Layer	Carpet - Green	0	1st Floor	C 109	Carpet	Green	
646	C	16658	2 Layer	Mastic - Yellow	0	1st Floor	C 109	Carpet	Green	
647	C	16659	1 Layer	Carpet - Green	0	1st Floor	C 109	Carpet	Green	
648	C	16659	2 Layer	Mastic - Yellow	0	1st Floor	C 109	Carpet	Green	
649	C	16660	1 Layer	Carpet - Brown	0	1st Floor	C 115	Carpet	Brown	Major Lang
650	C	16660	2 Layer	Rubber Backing	0	1st Floor	C 115	Carpet	Brown	Major Lang
651	C	16661	1 Layer	Carpet - Brown	0	1st Floor	C 115	Carpet	Brown	Major Lang
652	C	16661	2 Layer	Rubber Backing	0	1st Floor	C 115	Carpet	Brown	Major Lang
653	C	16662	1 Layer	Carpet - Brown	0	1st Floor	C 115	Carpet	Brown	Major Lang
654	C	16662	2 Layer	Rubber Backing	0	1st Floor	C 115	Carpet	Brown	Major Lang
655	C	16663	1 Layer	Floor Tile 1 X 1 - Green	15	1st Floor	C 131	Tile	Green	1" - Court Hallway
656	C	16663	2 Layer	Mastic - Brown	10	1st Floor	C 131	Tile	Green	1" - Court Hallway
657	C	16664	1 Layer	Floor Tile 1 X 1 - Green	15	1st Floor	C 131	Tile	Green	1" - Court Hallway
658	C	16664	2 Layer	Mastic - Brown	10	1st Floor	C 131	Tile	Green	1" - Court Hallway
659	C	16665	1 Layer	Floor Tile 1 X 1 - Green	15	1st Floor	C 131	Tile	Green	1" - Court Hallway
660	C	16665	2 Layer	Mastic - Brown	20	1st Floor	C 131	Tile	Green	1" - Court Hallway
661	C	16665	2 Layer	Mastic - Brown	20	1st Floor	C 131	Tile	Green	1" - Court Hallway

	A	B	C	D	E	F Everything	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	C	16666	1 Layer	Paint - Brown		0 1st Floor	C 132	Paint	Brown	Under Window
662	C	16666	2 Layer	Drywall		0 1st Floor	C 132	Paint	Brown	Under Window
663	C	16667	1 Layer	Paint - Brown		0 1st Floor	C 132	Paint	Brown	Wall by Door
664	C	16667	2 Layer	Drywall		0 1st Floor	C 132	Paint	Brown	Wall by Door
665	C	16668	1 Layer	Paint - Brown		0 1st Floor	Hallway	Paint	Green/Brown	Across from Courtroom
666	C	16668	2 Layer	Drywall		0 1st Floor	Hallway	Paint	Green/Brown	Across from Courtroom
667	C	16669	1 Layer	Paint - Brown		0 1st Floor	Hallway	Paint	Green/Brown	Across from Courtroom
668	C	16669	2 Layer	Drywall		0 1st Floor	Hallway	Paint	Green/Brown	Across from Courtroom
669	C	16670	1 Layer	Paint - Brown		0 1st Floor	Hallway	Paint	Green/Brown	Across from Courtroom
670	C	16670	2 Layer	Drywall	Trace	0 1st Floor	Hallway	Paint	Green/Brown	Across from Courtroom
671	C	16671	1 Layer	Paint - Brown		0 1st Floor	C 130	Paint	Brown	Court Payment By Window
672	C	16671	2 Layer	Drywall	Trace	0 1st Floor	C 130	Paint	Brown	Court Payment By Window
673	C	16672	1 Layer	Paint - Brown		0 1st Floor	C 130	Paint	Brown	Court Payment By Door
674	C	16672	2 Layer	Drywall		0 1st Floor	C 130	Paint	Brown	Court Payment By Door
675	C	16673	1 Layer	Paint - Brown		0 1st Floor	Hallway	Paint	Brown/Green	Court Main
676	C	16673	2 Layer	Drywall	Trace	0 1st Floor	Hallway	Paint	Brown/Green	Court Main
677	C	16674	1 Layer	Paint - Brown		0 1st Floor	Hallway	Paint	Brown/Green	Court Main
678	C	16674	2 Layer	Fabric	Trace	0 1st Floor	Hallway	Paint	Brown/Green	Court Main
679	C	16674	3 Layer	Drywall	Trace	0 1st Floor	Hallway	Paint	Brown/Green	Court Main
680	C	16675	1 Layer	Carpet - Burgandy		0 1st Floor	C 104	Carpet	Red	
681	C	16675	2 Layer	Padding		0 1st Floor	C 104	Carpet	Red	
682	C	16676	1 Layer	Carpet - Burgandy		0 1st Floor	C 104	Carpet	Red	
683	C	16676	2 Layer	Padding		0 1st Floor	C 104	Carpet	Red	
684	C	16677	1 Layer	Carpet - Burgandy		0 1st Floor	C 104	Carpet	Red	
685	C	16677	2 Layer	Padding		0 1st Floor	C 104	Carpet	Red	
686	C	16678	1 Layer	Paint		0 1st Floor	C 106	Paint	Beige	w/ Specs
687	C	16678	2 Layer	Drywall		0 1st Floor	C 106	Paint	Beige	w/ Specs
688	C	16679	1 Layer	Paint		0 1st Floor	C 106	Paint	Beige	w/ Specs
689	C	16679	2 Layer	Drywall		0 1st Floor	C 106	Paint	Beige	w/ Specs
690	C	16680	1 Layer	Paint		0 1st Floor	C 106	Paint	Beige	w/ Specs
691	C	16680	2 Layer	Drywall		0 1st Floor	C 106	Paint	Beige	w/ Specs
692	C	16681	1 Layer	Paint - Beige	Trace	0 1st Floor	C 133	Paint	Dark Tan	Plaster Underneath
693	C	16682	1 Layer	Paint - Beige	Trace	0 1st Floor	C 115	Paint	Dark Tan	Plaster Underneath
694	C	16682	2 Layer	Paint - Multi		0 1st Floor	C 115	Paint	Dark Tan	Plaster Underneath
695	C	16683	1 Layer	Paint - Beige		0 1st Floor	C 114	Paint	Dark Tan	Plaster Underneath
696	C	16684	1 Layer	Drywall/Paint - Beige		0 1st Floor	C 104	Paint	Dark Tan	w/sheet rock
697	C	16684	2 Layer	Paper Backing		0 1st Floor	C 104	Paint	Dark Tan	w/sheet rock
698	C	16685	1 Layer	Paint - Beige		0 1st Floor	C 109	Paint	Dark Tan w/Green	Plaster Underneath
699	C	16686	1 Layer	Paint - Beige		0 1st Floor	C 134	Paint	Light Tan/Multi	Tan-Green Plaster
700	C	16687	1 Layer	Paint - Beige		0 1st Floor	C 135	Paint	Light Tan/Green	Tan-Green Plaster
701	C	16688	1 Layer	Paint - Yellow		0 1st Floor	Stairs	Paint	Multi	Tan-Green Plaster
702	C	16689	1 Layer	Paint - Off White		0 1st Floor	C 127	Paint	Multi	Tan-Green Plaster
703	C	16690	1 Layer	Paint - Off White		0 1st Floor	C 101	Paint	Multi	Tan-Green Plaster
704	C	16691	1 Layer	Paint - Yellow		0 1st Floor	Plaster	Paint	Multi	Yellow-Green Plaster
705	C	16691	1 Layer	Paint - Yellow		0 1st Floor	Plaster	Paint	Multi	Yellow-Green Plaster

	A	B	C	D	E	F Everything	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	C	16692	1 Layer	Paint - Yellow	0	1st Floor	Hall C 14	Paint	Yellow	Plaster - Not Multi Color
706	C	16693	1 Layer	Paint - Yellow	0	1st Floor	Window	Paint	Yellow	Plaster - Not Multi Color
707	C	16694	1 Layer	Paint - Yellow	0	1st Floor	Hall Pas	Paint	Yellow	Plaster - Not Multi Color
708	C	16695	1 Layer	Paint - Yellow	0	1st Floor	Hall Pas	Paint	Yellow	Plaster - Not Multi Color
709	C	16696	1 Layer	Paint - White/Light Green	0	1st Floor	C 125	Paint	White/Green	Plaster
710	C	16697	1 Layer	Paint - White/Light Green	0	1st Floor	C 125	Paint	White/Green	Plaster
711	C	16698	1 Layer	Paint - White	Trace	1st Floor	C 120	Paint	White	Plaster
712	C	16698	2 Layer	Paper Backing		1st Floor	C 120	Paint	White	Plaster
713	C	16699	1 Layer	Paint & Plaster - White		1st Floor	C 120	Paint	White	Plaster
714	C	16700	1 Layer	Paint & Plaster - White		1st Floor	C 120	Paint	White	Plaster
715	C	16701	1 Layer	Paint Paper - Brown		1st Floor	C 110	Paint	Dark Brown	Sheet Rock
716	C	16701	2 Layer	Sheetrock		1st Floor	C 110	Paint	Dark Brown	Sheet Rock
717	C	16701	3 Layer	Paper Backing		1st Floor	C 110	Paint	Dark Brown	Sheet Rock
718	C	16702	1 Layer	Paint Paper - Brown		1st Floor	C 110	Paint	Dark Brown	Sheet Rock
719	C	16702	2 Layer	Sheetrock		1st Floor	C 110	Paint	Dark Brown	Sheet Rock
720	C	16702	3 Layer	Paper Backing		1st Floor	C 110	Paint	Dark Brown	Sheet Rock
721	C	16703	1 Layer	Paint Paper - Brown		1st Floor	C 110	Paint	Dark Brown	Plaster with some green
722	C	16703	2 Layer	Sheetrock		1st Floor	C 110	Paint	Dark Brown	Plaster with some green
723	C	16703	3 Layer	Paper Backing		1st Floor	C 110	Paint	Dark Brown	Plaster with some green
724	C	16704	1 Layer	Formica - Green		1st Floor	C 111	Formica	Green	
725	C	16704	2 Layer	Mastic		1st Floor	C 111	Formica	Green	
726	C	16705	1 Layer	Formica - Green		1st Floor	Front Lo	Formica	Green	
727	C	16705	2 Layer	Mastic		1st Floor	Front Lo	Formica	Green	
728	C	16706	1 Layer	Formica - Green		1st Floor	C 125	Formica	Green	
729	C	16706	2 Layer	Mastic		1st Floor	C 125	Formica	Green	
730	C	16707	1 Layer	Formica - Wood Grain		1st Floor	C 125	Formica	Wood Grain	
731	C	16707	2 Layer	Mastic		1st Floor	C 125	Formica	Wood Grain	
732	C	16708	1 Layer	Formica - Wood Grain		1st Floor	C 125	Formica	Wood Grain	
733	C	16708	2 Layer	Mastic		1st Floor	C 125	Formica	Wood Grain	
734	C	16709	1 Layer	Formica - Wood Grain		1st Floor	C 125	Formica	Wood Grain	
735	C	16709	2 Layer	Mastic		1st Floor	C 125	Formica	Wood Grain	
736	C	16710	1 Layer	Formica - Light Wood Grain		1st Floor	C 120	Formica	Light Wood Grain	
737	C	16710	2 Layer	Mastic		1st Floor	C 120	Formica	Light Wood Grain	
738	C	16711	1 Layer	Formica - Light Wood Grain		1st Floor	C 120	Formica	Light Wood Grain	
739	C	16711	2 Layer	Mastic		1st Floor	C 120	Formica	Light Wood Grain	
740	C	16712	1 Layer	Formica - Light Wood Grain		1st Floor	C 120	Formica	Light Wood Grain	
741	C	16712	2 Layer	Mastic		1st Floor	C 120	Formica	Light Wood Grain	
742	C	16713	1 Layer	Shingle - Black		Roof	Roof	Roof	Black	Tar/Shingle/Tar/Metal "Flashing"
743	C	16713	2 Layer	Tar		Roof	Roof	Roof	Black	Tar/Shingle/Tar/Metal "Flashing"
744	C	16714	1 Layer	Shingle - Black		Roof	Roof	Roof	Black	Tar/Shingle/Tar/Metal "Flashing"
745	C	16714	2 Layer	Tar		Roof	Roof	Roof	Black	Tar/Shingle/Tar/Metal "Flashing"
746	C	16715	1 Layer	Shingle - Black		Roof	Roof	Flashing	Black	Tar/Shingle/Tar/Metal "Flashing"
747	C	16715	2 Layer	Tar		Roof	Roof	Flashing	Black	Tar/Shingle/Tar/Metal "Flashing"
748	C	16716	1 Layer	Paint - Beige/Blue/Brown		1st Floor	Page 17	Paint	Brown/Blue	

	A	B	C	D	E	F	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Field Description
750	C	16717	1 Layer	Paint - Brown		0 2nd Floor		Paint	
751	C	16718	1 Layer	Paint - Brown		0 3rd Floor	C 115	Paint	
752	C	16719	1 Layer	Paint - Brown/White	Trace	4th Floor	C 133	Paint	Lt. Brown/Dark Brown/Gray
753	C	16720	1 Layer	Paint - Brown/White		0 5th Floor	C 133	Paint	Lt. Brown/Dark Brown/Gray
754	C	16721	1 Layer	Paint - Brown/White	Trace	6th Floor	C 133	Paint	Lt. Brown/Dark Brown/Gray
755	C	16722	1 Layer	Paint - Dark Gray		0 7th Floor	C 117A	Paint	Gray/Brown/Tan
756	C	16723	1 Layer	Paint - Dark Gray		0 8th Floor	C 126	Paint	Gray/Brown/Tan
757	C	16724	1 Layer	Paint - Dark Gray/White		0 9th Floor	Lobby D	Paint	Gray/Brown/Tan
758	C	16725	1 Layer	Paint - Multi Red		0 10th Floor	C 104	Paint	Red/Gray/Brown Metal
759	C	16726	1 Layer	Paint - Multi Red		0 11th Floor	C 104	Paint	Red/Gray/Brown Wood Frame
760	C	16727	1 Layer	Paint - Multi Red		0 12th Floor	C 105	Paint	Red/Gray/Brown Metal Frame
761	C	16728	1 Layer	Paint - Beige/Brown	Trace	13th Floor	C 106	Paint	Orange/Gray/Brown
762	C	16729	1 Layer	Paint - Beige/Brown		0 14th Floor	C 106	Paint	Orange/Gray/Brown
763	C	16730	1 Layer	Paint - Beige/Brown		0 15th Floor	C 105 T1	Paint	Orange/Gray/Brown
764	H	16731	1 Layer	Floor Tile 9 X 9 - Beige		10 1st Floor	H 138	Floor Tile	Beige 9 X 9 Tile
765	H	16731	2 Layer	Mastic		10 1st Floor	H 138	Floor Tile	Beige 9 X 9 Tile
766	H	16732	1 Layer	Floor Tile 9 X 9 - Beige		10 1st Floor	H 138	Floor Tile	Beige 9 X 9 Tile
767	H	16732	2 Layer	Mastic		10 1st Floor	H 138	Floor Tile	Beige 9 X 9 Tile
768	H	16733	1 Layer	Floor Tile 9 X 9 - Beige		15 1st Floor	H 138	Floor Tile	Beige 9 X 9 Tile
769	H	16733	2 Layer	Mastic		10 1st Floor	H 138	Floor Tile	Beige 9 X 9 Tile
770	H	16734	1 Layer	Floor Tile 12 X 12 - Gre	Trace	1st Floor	H 138A	Floor Tile	Green 12 X 12 Tile
771	H	16734	2 Layer	Mastic - Black		20 1st Floor	H 138A	Floor Tile	Green 12 X 12 Tile
772	H	16735	1 Layer	Floor Tile 12 X 12 - Gre		0 1st Floor	H 138A	Floor Tile	Green 12 X 12 Tile
773	H	16735	2 Layer	Mastic - Black		30 1st Floor	H 138A	Floor Tile	Green 12 X 12 Tile
774	H	16736	1 Layer	Floor Tile 12 X 12 - Gre		0 1st Floor	H 138A	Floor Tile	Green 12 X 12 Tile
775	H	16736	2 Layer	Mastic - Black		20 1st Floor	H 138A	Floor Tile	Green 12 X 12 Tile
776	H	16737	1 Layer	Floor Tile - Green w/Bl		10 1st Floor	H 138A	Floor Tile	Green w/Black Unique Tile not seen elsewhere
777	H	16737	2 Layer	Mastic		10 1st Floor	H 138A	Floor Tile	Green w/Black Unique Tile not seen elsewhere
778	H	16738	1 Layer	Pipe Insulation Fabric -		10 1st Floor	H 138	TSI	Beige
779	H	16738	2 Layer	Fiberglass		0 1st Floor	H 138	TSI	Beige
780	H	16739	1 Layer	Pipe Insulation Rubber		10 1st Floor	H 138	TSI	Beige
781	H	16739	2 Layer	Bulk - White		10 1st Floor	H 138	TSI	Beige
782	H	16739	3 Layer	Fiberglass		0 1st Floor	H 138	TSI	Beige
783	H	16740	1 Layer	Pipe Insulation Fabric -		30 1st Floor	H 138	TSI	Beige
784	H	16740	2 Layer	Bulk - White		40 1st Floor	H 138	TSI	Beige
785	H	16741	1 Layer	Pipe Insulation Fabric -		20 1st Floor	H 138	TSI	Beige
786	H	16741	2 Layer	Bulk - White		80 1st Floor	H 138	TSI	Beige
787	H	16742	1 Layer	Pipe Insulation Fabric -		20 1st Floor	H 138A	TSI	Beige
788	H	16742	2 Layer	Fiberglass		0 1st Floor	H 138A	TSI	Beige
789	H	16743	1 Layer	Pipe Insulation Fabric -		40 1st Floor	H 138A	TSI	Beige
790	H	16743	2 Layer	Fiberglass		0 1st Floor	H 138A	TSI	Beige
791	H	16744	1 Layer	Pipe Insulation Fabric -		20 1st Floor	H 138A	TSI	Beige
792	H	16744	2 Layer	Bulk - White		80 1st Floor	H 138A	TSI	Beige
793	H	16745	1 Layer	Ceramic Tile 4 X 4 - Gr		20 1st Floor	H 138A	Wall Tile	Green

	A	B	C	D	E	F	Everythg	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
794	H	16745	2 Layer	Mastic - Yellow		20 1st Floor	H 138A	Wall Tile	Green	
795	H	16746	1 Layer	Ceramic Tile 4 X 4 - Gr		20 1st Floor	H 138A	Wall Tile	Green	
796	H	16746	2 Layer	Mastic - Yellow		20 1st Floor	H 138A	Wall Tile	Green	
797	H	16747	1 Layer	Ceramic Tile 4 X 4 - Gr		20 1st Floor	H 138A	Wall Tile	Green	
798	H	16747	2 Layer	Mastic - Yellow		20 1st Floor	H 138A	Wall Tile	Green	
799	H	16748	1 Layer	Paint - Beige/Green		0 1st Floor	H 138	Paint	Green	Beside H116
800	H	16749	1 Layer	Paint - Beige/Green		0 1st Floor	Stairwell	Paint	Green	Above Room
801	H	16750	1 Layer	Paint - Beige/Green		0 1st Floor	H 116	Paint	Green	Above Room
802	H	16751	1 Layer	Paint - Beige		0 1st Floor	H 138	Paint	Green	No Pad
803	B	16752	1 Layer	Carpet - Multi Brown		0 2nd Floor	B 260	Carpet	Multi	No Pad
804	B	16752	2 Layer	Mastic - Yellow		0 2nd Floor	B 260	Carpet	Multi	No Pad
805	B	16753	1 Layer	Carpet - Multi Brown		0 2nd Floor	B 257	Carpet	Multi	No Pad
806	B	16753	2 Layer	Mastic - Yellow		0 2nd Floor	B 257	Carpet	Multi	No Pad
807	B	16754	1 Layer	Carpet - Multi Brown		0 2nd Floor	B 250	Carpet	Multi	No Pad
808	B	16754	2 Layer	Mastic - Yellow		0 2nd Floor	B 250	Carpet	Multi	No Pad
809	B	16755	1 Layer	Baseboard - Black		0 2nd Floor	B 260	Base Molding	Black	
810	B	16755	2 Layer	Mastic - Yellow		0 2nd Floor	B 260	Base Molding	Black	
811	B	16756	1 Layer	Baseboard - Black		0 2nd Floor	B 257	Base Molding	Black	
812	B	16756	2 Layer	Mastic - Yellow		0 2nd Floor	B 257	Base Molding	Black	
813	B	16757	1 Layer	Baseboard - Black		0 2nd Floor	B 250	Base Molding	Black	
814	B	16757	2 Layer	Mastic - Yellow		0 2nd Floor	B 250	Base Molding	Black	
815	C	16758	1 Layer	Floor Tile 12 X 12 - Be		0 1st Floor	C 112	Floor Tile	Light Gray	12X12
816	C	16758	2 Layer	Mastic - Yellow		0 1st Floor	C 112	Floor Tile	Light Gray	12X12
817	C	16759	1 Layer	Floor Tile 12 X 12 - Be		0 1st Floor	C 112	Floor Tile	Light Gray	12X12
818	C	16759	2 Layer	Mastic - Yellow		0 1st Floor	C 112	Floor Tile	Light Gray	12X12
819	C	16760	1 Layer	Floor Tile 12 X 12 - Be		0 1st Floor	C 112	Floor Tile	Light Gray	12X12
820	C	16760	2 Layer	Mastic - Yellow		0 1st Floor	C 112	Floor Tile	Light Gray	12X12
821	C	16761	1 Layer	Formica - White		0 1st Floor	C 112	Formica	White	
822	C	16761	2 Layer	Mastic		0 1st Floor	C 112	Formica	White	
823	C	16762	1 Layer	Formica - White		0 1st Floor	C 112	Formica	White	
824	C	16762	2 Layer	Mastic		0 1st Floor	C 112	Formica	White	
825	C	16763	1 Layer	Formica - White		0 1st Floor	C 112	Formica	White	
826	C	16763	2 Layer	Mastic		0 1st Floor	C 112	Formica	White	
827	C	16764	1 Layer	Ceramic Tile 4 X 4 - Be		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile
828	C	16764	2 Layer	Mastic - Yellow		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile
829	C	16765	1 Layer	Ceramic Tile 4 X 4 - Be		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile
830	C	16765	2 Layer	Mastic - Yellow		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile
831	C	16766	1 Layer	Ceramic Tile 4 X 4 - Be		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile
832	C	16766	2 Layer	Mastic - Yellow		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile
833	C	16767	1 Layer	Ceramic Tile 4 X 4 - Be		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile
834	C	16767	2 Layer	Mastic - Yellow		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile
835	C	16768	1 Layer	Ceramic Tile 4 X 4 - Be		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile
836	C	16768	2 Layer	Mastic - Yellow		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile
837	C	16769	1 Layer	Ceramic Tile 4 X 4 - Be		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile

1	A		B		C		D		E		F Everything		H	I	J	
	Building	Sampling	Layer		Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description					
838	C	16769	2 Layer		Mastic - Yellow		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile					
839	C	16770	1 Layer		Ceramic Tile 4 X 4 - Be		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile					
840	C	16770	2 Layer		Mastic - Yellow		0 2nd Floor	Hallway	Wall Tile	Yellow	4 X 4 Tile					
841	C	16771	1 Layer		Ceramic Tile 4 X 4 - Pe		0 2nd Floor	C 215A	Wall Tile	Dark Pink	4 X 4 Tile Women Locker Room					
842	C	16771	2 Layer		Mastic - Yellow		0 2nd Floor	C 215A	Wall Tile	Dark Pink	4 X 4 Tile Women Locker Room					
843	C	16772	1 Layer		Ceramic Tile 4 X 4 - Pe		0 2nd Floor	C 215A	Wall Tile	Dark Pink	4 X 4 Tile Women Locker Room					
844	C	16772	2 Layer		Mastic - Yellow		0 2nd Floor	C 215A	Wall Tile	Dark Pink	4 X 4 Tile Women Locker Room					
845	C	16773	1 Layer		Ceramic Tile 4 X 4 - Pe		0 2nd Floor	C 215A	Wall Tile	Dark Pink	4 X 4 Tile Women Locker Room					
846	C	16773	2 Layer		Mastic - Yellow		0 2nd Floor	C 215A	Wall Tile	Dark Pink	4 X 4 Tile Women Locker Room					
847	C	16774	1 Layer		Ceramic Tile 4 X 4 - Be		0 2nd Floor	Hallway	Wall Tile	Pink	4 X 4 Tile Across from C 224 & 225					
848	C	16774	2 Layer		Mastic - Yellow		0 2nd Floor	Hallway	Wall Tile	Pink	4 X 4 Tile Across from C 224 & 225					
849	C	16775	1 Layer		Ceramic Tile 4 X 4 - Be		0 2nd Floor	Hallway	Wall Tile	Pink	4 X 4 Tile Across from C 224 & 225					
850	C	16775	2 Layer		Mastic - Yellow		0 2nd Floor	Hallway	Wall Tile	Pink	4 X 4 Tile Across from C 224 & 225					
851	C	16776	1 Layer		Ceramic Tile 4 X 4 - Be		0 2nd Floor	Hallway	Wall Tile	Pink	4 X 4 Tile Across from C 224 & 225					
852	C	16776	2 Layer		Mastic - Yellow		0 2nd Floor	Hallway	Wall Tile	Pink	4 X 4 Tile Across from C 224 & 225					
853	C	16777	1 Layer		Paint - White		0 2nd Floor	Hallway	Paint	White	On wood, BaseMolding by C219					
854	C	16778	1 Layer		Ceramic Tile 4 X 4 - Br		10 2nd Floor	C 223A	Wall Tile	Brown	4 X 4 Tile					
855	C	16778	2 Layer		Mastic - Yellow		10 2nd Floor	C 223A	Wall Tile	Brown	4 X 4 Tile					
856	C	16779	1 Layer		Ceramic Tile 4 X 4 - Br		10 2nd Floor	C 225A	Wall Tile	Brown	4 X 4 Tile					
857	C	16779	2 Layer		Mastic - Yellow		10 2nd Floor	C 225A	Wall Tile	Brown	4 X 4 Tile					
858	C	16780	1 Layer		Ceramic Tile 4 X 4 - Br		10 2nd Floor	C 227A	Wall Tile	Brown	4 X 4 Tile					
859	C	16780	2 Layer		Mastic - Yellow		10 2nd Floor	C 227A	Wall Tile	Brown	4 X 4 Tile					
860	C	16781	1 Layer		Ceramic Tile 4 X 4 - Gr		15 2nd Floor	C 224A	Wall Tile	Green	4 X 4 Tile					
861	C	16781	2 Layer		Mastic - Yellow		15 2nd Floor	C 224A	Wall Tile	Green	4 X 4 Tile					
862	C	16782	1 Layer		Ceramic Tile 4 X 4 - Gr		10 2nd Floor	C 226A	Wall Tile	Green	4 X 4 Tile					
863	C	16782	2 Layer		Mastic - Yellow		10 2nd Floor	C 226A	Wall Tile	Green	4 X 4 Tile					
864	C	16783	1 Layer		Ceramic Tile 4 X 4 - Gr		10 2nd Floor	C 228A	Wall Tile	Green	4 X 4 Tile					
865	C	16783	2 Layer		Mastic - Yellow		10 2nd Floor	C 228A	Wall Tile	Green	4 X 4 Tile					
866	C	16784	1 Layer		Ceramic Tile 4 X 4 - Gr		10 2nd Floor	C 230A	Wall Tile	Green	4 X 4 Tile					
867	C	16784	2 Layer		Mastic - Yellow		10 2nd Floor	C 230A	Wall Tile	Green	4 X 4 Tile					
868	C	16785	1 Layer		Ceramic Tile 4 X 4 - Gr		10 2nd Floor	C 232A	Wall Tile	Green	4 X 4 Tile					
869	C	16785	2 Layer		Mastic - Yellow		10 2nd Floor	C 232A	Wall Tile	Green	4 X 4 Tile					
870	C	16786	1 Layer		Ceramic Tile 4 X 4 - Br		10 2nd Floor	C 229A	Wall Tile	Brown	4 X 4 Tile					
871	C	16786	2 Layer		Mastic - Yellow		10 2nd Floor	C 229A	Wall Tile	Brown	4 X 4 Tile					
872	C	16787	1 Layer		Ceramic Tile 4 X 4 - Br		10 2nd Floor	C 204A	Wall Tile	Brown	4 X 4 Tile					
873	C	16787	2 Layer		Mastic - Yellow		10 2nd Floor	C 204A	Wall Tile	Brown	4 X 4 Tile					
874	C	16788	1 Layer		Ceramic Tile 4 X 4 - Wh		15 2nd Floor	C 213	Wall Tile	White	4 X 4 Tile					
875	C	16788	2 Layer		Mastic - Yellow		10 2nd Floor	C 213	Wall Tile	White	4 X 4 Tile					
876	C	16789	1 Layer		Ceramic Tile 4 X 4 - Wh		10 2nd Floor	C 213	Wall Tile	White	4 X 4 Tile					
877	C	16789	2 Layer		Mastic - Yellow		10 2nd Floor	C 213	Wall Tile	White	4 X 4 Tile					
878	C	16790	1 Layer		Ceramic Tile 4 X 4 - Wh		10 2nd Floor	C 213	Wall Tile	White	4 X 4 Tile					
879	C	16790	2 Layer		Mastic - Yellow		10 2nd Floor	C 213	Wall Tile	White	4 X 4 Tile					
880	C	16791	1 Layer		Ceramic Tile 4 X 4 - Blu		10 2nd Floor	C 213	Wall Tile	Green	Unique not seen elsewhere					
881	C	16791	2 Layer		Mastic - Yellow		10 2nd Floor	C 213	Wall Tile	Green	Unique not seen elsewhere					

	A	B	C	D	E	F Everything	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
882	C	16792	1 Layer	Ceramic Tile 4 X 4 - Blue		10 2nd Floor	Wall Tile	Green	Unique not seen elsewhere
883	C	16792	2 Layer	Mastic - Yellow		10 2nd Floor	Wall Tile	Green	Unique not seen elsewhere
884	C	16793	1 Layer	Ceramic Tile 4 X 4 - Blue		10 2nd Floor	Wall Tile	Green	Unique not seen elsewhere
885	C	16793	2 Layer	Mastic - Yellow		10 2nd Floor	Wall Tile	Green	Unique not seen elsewhere
886	C	16794	1 Layer	Ceramic Tile 4 X 4 - White	Trace	2nd Floor	Wall Tile	White	Unique not seen elsewhere
887	C	16794	2 Layer	Mastic - Yellow		10 2nd Floor	Wall Tile	White	Unique not seen elsewhere
888	C	16795	1 Layer	Ceramic Tile 4 X 4 - White	Trace	2nd Floor	Wall Tile	White	Unique not seen elsewhere
889	C	16795	2 Layer	Mastic - Yellow		10 2nd Floor	Wall Tile	White	Unique not seen elsewhere
890	C	16796	1 Layer	Ceramic Tile 4 X 4 - White		10 2nd Floor	Wall Tile	White	Unique not seen elsewhere
891	C	16796	2 Layer	Mastic - Yellow		10 2nd Floor	Wall Tile	White	Unique not seen elsewhere
892	C	16797	1 Layer	Ceramic Tile 4 X 4 - Brown		10 2nd Floor	Floor Tile	Brown	Unique not seen elsewhere
893	C	16797	2 Layer	Mastic - Yellow		10 2nd Floor	Floor Tile	Brown	Unique not seen elsewhere
894	C	16798	1 Layer	Ceramic Tile 4 X 4 - Brown		10 2nd Floor	Floor Tile	Brown	Unique not seen elsewhere
895	C	16798	2 Layer	Mastic - Yellow		10 2nd Floor	Floor Tile	Brown	Unique not seen elsewhere
896	C	16799	1 Layer	Ceramic Tile 4 X 4 - Brown		10 2nd Floor	Floor Tile	Brown	Unique not seen elsewhere
897	C	16799	2 Layer	Mastic - Yellow		10 2nd Floor	Floor Tile	Brown	Unique not seen elsewhere
898	C	16800	1 Layer	Floor Tile - Gray		10 2nd Floor	Floor Tile	Blue/Gray	Unique not seen elsewhere
899	C	16800	2 Layer	Mastic - Black		10 2nd Floor	Floor Tile	Blue/Gray	Unique not seen elsewhere
900	C	16801	1 Layer	Floor Tile - Gray		10 2nd Floor	Floor Tile	Blue/Gray	Unique not seen elsewhere
901	C	16801	2 Layer	Mastic - Black		10 2nd Floor	Floor Tile	Blue/Gray	Unique not seen elsewhere
902	C	16802	1 Layer	Floor Tile - Gray		10 2nd Floor	Floor Tile	Blue/Gray	Unique not seen elsewhere
903	C	16802	2 Layer	Mastic - Black		10 2nd Floor	Floor Tile	Blue/Gray	Unique not seen elsewhere
904	C	16803	1 Layer	Floor Tile - White	Trace	2nd Floor	Floor Tile	Whitish	Unique not seen elsewhere
905	C	16803	2 Layer	Mastic - Yellow		10 2nd Floor	Floor Tile	Whitish	Unique not seen elsewhere
906	C	16804	1 Layer	Floor Tile - White		10 2nd Floor	Floor Tile	Whitish	Unique not seen elsewhere
907	C	16804	2 Layer	Mastic - Yellow		10 2nd Floor	Floor Tile	Whitish	Unique not seen elsewhere
908	C	16805	1 Layer	Floor Tile - White		10 2nd Floor	Floor Tile	Whitish	Unique not seen elsewhere
909	C	16805	2 Layer	Mastic - Yellow		10 2nd Floor	Floor Tile	Whitish	Unique not seen elsewhere
910	C	16806	1 Layer	Floor Tile - Green		10 2nd Floor	Floor Tile	Green	Unique not seen elsewhere
911	C	16806	2 Layer	Mastic - Yellow		10 2nd Floor	Floor Tile	Green	Unique not seen elsewhere
912	C	16807	1 Layer	Floor Tile - Green		10 2nd Floor	Floor Tile	Green	Unique not seen elsewhere
913	C	16807	2 Layer	Mastic - Yellow		10 2nd Floor	Floor Tile	Green	Unique not seen elsewhere
914	C	16808	1 Layer	Floor Tile - Green		10 2nd Floor	Floor Tile	Green	Unique not seen elsewhere
915	C	16808	2 Layer	Mastic - Yellow	Trace	2nd Floor	Floor Tile	Green	Unique not seen elsewhere
916	C	16809	1 Layer	Floor Tile - Light Brown		10 2nd Floor	Floor Tile	Brown	Hallway in front of room
917	C	16809	2 Layer	Mastic - Yellow		10 2nd Floor	Floor Tile	Brown	Hallway in front of room
918	C	16810	1 Layer	Floor Tile - Light Brown		10 2nd Floor	Floor Tile	Brown	Hallway in front of room
919	C	16810	2 Layer	Mastic - Yellow		10 2nd Floor	Floor Tile	Brown	Hallway in front of room
920	C	16811	1 Layer	Floor Tile - Light Brown	Trace	2nd Floor	Floor Tile	Brown	Hallway in front of room
921	C	16811	2 Layer	Mastic - Yellow		10 2nd Floor	Floor Tile	Brown	Hallway in front of Elevator
922	C	16812	1 Layer	Floor Tile - Light Brown		10 2nd Floor	Floor Tile	Brown	Hallway in front of Elevator
923	C	16812	2 Layer	Mastic - Yellow	Trace	2nd Floor	Floor Tile	Brown	Hallway in front of room
924	C	16813	1 Layer	Floor Tile - Light Brown		10 2nd Floor	Floor Tile	Brown	Hallway in front of room
925	C	16813	2 Layer	Mastic - Yellow	Trace	2nd Floor	Floor Tile	Brown	Hallway in front of room

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1	C	16814	1 Layer	Floor Tile - Light Brown	0	2nd Floor	Floor Tile	Brown	Hallway in front of room
926	C	16814	2 Layer	Mastic - Yellow	0	2nd Floor	Floor Tile	Brown	Hallway in front of room
927	C	16815	1 Layer	Floor Tile - Light Brown	0	2nd Floor	Floor Tile	Brown	Hallway in front of room
928	C	16815	2 Layer	Mastic - Yellow	0	2nd Floor	Floor Tile	Brown	Hallway in front of room
929	C	16816	1 Layer	Floor Tile - White	0	2nd Floor	Floor Tile	White	Unique not seen elsewhere
930	C	16816	2 Layer	Mastic - Yellow	0	2nd Floor	Floor Tile	White	Unique not seen elsewhere
931	C	16817	1 Layer	Floor Tile - White	0	2nd Floor	Floor Tile	White	Unique not seen elsewhere
932	C	16817	2 Layer	Mastic - Yellow	0	2nd Floor	Floor Tile	White	Unique not seen elsewhere
933	C	16818	1 Layer	Floor Tile - White	0	2nd Floor	Floor Tile	White	Unique not seen elsewhere
934	C	16818	2 Layer	Mastic - Yellow	0	2nd Floor	Floor Tile	White	Unique not seen elsewhere
935	C	16819	1 Layer	Floor Tile - White	0	2nd Floor	Floor Tile	White	On desktops
936	C	16820	2 Layer	Mastic - Yellow	0	2nd Floor	Floor Tile	White	On desktops
937	C	16821	1 Layer	Formica - Woodgrain	0	2nd Floor	Formica	Wood Grain	On desktops
938	C	16821	2 Layer	Mastic	0	2nd Floor	Formica	Wood Grain	On desktops
939	C	16822	1 Layer	Formica - Woodgrain	0	2nd Floor	Formica	Wood Grain	On desktops
940	C	16822	2 Layer	Mastic	0	2nd Floor	Formica	Wood Grain	On desktops
941	C	16823	1 Layer	Formica - White	0	2nd Floor	Formica	White	Unique not seen elsewhere
942	C	16823	2 Layer	Mastic	0	2nd Floor	Formica	White	Unique not seen elsewhere
943	C	16824	1 Layer	Formica - White	0	2nd Floor	Formica	White	Unique not seen elsewhere
944	C	16824	2 Layer	Mastic	0	2nd Floor	Formica	White	Unique not seen elsewhere
945	C	16825	1 Layer	Formica - White	0	2nd Floor	Formica	White	Unique not seen elsewhere
946	C	16825	2 Layer	Mastic	0	2nd Floor	Formica	White	Unique not seen elsewhere
947	C	16826	1 Layer	Formica - White	0	2nd Floor	Formica	White	Unique not seen elsewhere
948	C	16826	2 Layer	Mastic	0	2nd Floor	Formica	White	Unique not seen elsewhere
949	C	16827	1 Layer	Formica - White	0	2nd Floor	Formica	White	Unique not seen elsewhere
950	C	16827	2 Layer	Mastic	0	2nd Floor	Formica	White	Unique not seen elsewhere
951	C	16828	1 Layer	Formica - White	0	2nd Floor	Formica	White	Unique not seen elsewhere
952	C	16828	2 Layer	Mastic	0	2nd Floor	Formica	White	Unique not seen elsewhere
953	C	16829	1 Layer	Formica - White	0	2nd Floor	Formica	White	Unique not seen elsewhere
954	C	16829	2 Layer	Mastic	0	2nd Floor	Formica	White	Unique not seen elsewhere
955	C	16830	1 Layer	Formica - White	0	2nd Floor	Formica	White	Unique not seen elsewhere
956	C	16830	2 Layer	Mastic	0	2nd Floor	Formica	White	Unique not seen elsewhere
957	C	16831	1 Layer	Formica - White w/Gold	0	2nd Floor	Formica	White w/specks	On desktops
958	C	16831	2 Layer	Mastic	0	2nd Floor	Formica	White w/specks	On desktops
959	C	16832	1 Layer	Formica - White w/Gold	0	2nd Floor	Formica	White w/specks	On desktops
960	C	16832	2 Layer	Mastic	0	2nd Floor	Formica	White w/specks	On desktops
961	C	16833	1 Layer	Formica - White w/Gold	0	2nd Floor	Formica	White w/specks	On desktops
962	C	16833	2 Layer	Mastic	0	2nd Floor	Formica	White w/specks	On desktops
963	C	16834	1 Layer	Formica - Brown/Blue	0	2nd Floor	Formica	Blue/Brown	Unique not seen elsewhere
964	C	16834	2 Layer	Padding	0	2nd Floor	Formica	Blue/Brown	Unique not seen elsewhere
965	C	16835	1 Layer	Formica - Brown/Blue	0	2nd Floor	Formica	Blue/Brown	Unique not seen elsewhere
966	C	16835	2 Layer	Padding	0	2nd Floor	Formica	Blue/Brown	Unique not seen elsewhere
967	C	16835	1 Layer	Formica - Brown/Blue	0	2nd Floor	Formica	Blue/Brown	Unique not seen elsewhere
968	C	16835	2 Layer	Padding	0	2nd Floor	Formica	Blue/Brown	Unique not seen elsewhere
969	C	16835	1 Layer	Formica - Brown/Blue	0	2nd Floor	Formica	Blue/Brown	Unique not seen elsewhere
970	C	16835	2 Layer	Padding	0	2nd Floor	Formica	Blue/Brown	Unique not seen elsewhere

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1									
970	C	16836	1 Layer	Carpet - Brown/Blue		0 2nd Floor	Carpet	Blue/Brown	Unique not seen elsewhere
971	C	16836	2 Layer	Padding		0 2nd Floor	Carpet	Blue/Brown	Unique not seen elsewhere
972	C	16837	1 Layer	Formica - Tan		0 2nd Floor	Formica	Tan	Unique not seen elsewhere
973	C	16837	2 Layer	Mastic		0 2nd Floor	Formica	Tan	Unique not seen elsewhere
974	C	16838	1 Layer	Formica - Tan		0 2nd Floor	Formica	Tan	Unique not seen elsewhere
975	C	16838	2 Layer	Mastic		0 2nd Floor	Formica	Tan	Unique not seen elsewhere
976	C	16839	1 Layer	Formica - Tan		0 2nd Floor	Formica	Tan	Unique not seen elsewhere
977	C	16839	2 Layer	Mastic		0 2nd Floor	Formica	Tan	Unique not seen elsewhere
978	C	16840	1 Layer	Carpet - Red		0 2nd Floor	Carpet	Burgandy	Unique not seen elsewhere
979	C	16840	2 Layer	Mastic - Yellow		0 2nd Floor	Carpet	Burgandy	Unique not seen elsewhere
980	C	16841	1 Layer	Carpet - Red		0 2nd Floor	Carpet	Burgandy	Unique not seen elsewhere
981	C	16841	2 Layer	Mastic - Yellow		0 2nd Floor	Carpet	Burgandy	Unique not seen elsewhere
982	C	16842	1 Layer	Carpet - Red		0 2nd Floor	Carpet	Burgandy	Unique not seen elsewhere
983	C	16842	2 Layer	Mastic - Yellow		0 2nd Floor	Carpet	Burgandy	Unique not seen elsewhere
984	C	16843	1 Layer	Formica - Woodgrain		0 1st Floor	Formica	Wood Grain	Judges Desk
985	C	16843	2 Layer	Mastic - Yellow		0 1st Floor	Formica	Wood Grain	Judges Desk
986	C	16844	1 Layer	Formica - Woodgrain		0 1st Floor	Formica	Wood Grain	Judges Desk
987	C	16844	2 Layer	Mastic - Yellow		0 1st Floor	Formica	Wood Grain	Judges Desk
988	C	16845	1 Layer	Formica - Woodgrain		0 1st Floor	Formica	Wood Grain	Judges Desk
989	C	16845	2 Layer	Mastic - Yellow		0 1st Floor	Formica	Wood Grain	Judges Desk
990	C	16846	1 Layer	Carpet - Brown		0 2nd Floor	Carpet	Brown	Unique not seen elsewhere
991	C	16846	2 Layer	Padding		0 2nd Floor	Carpet	Brown	Unique not seen elsewhere
992	C	16847	1 Layer	Carpet - Brown		0 2nd Floor	Carpet	Brown	Unique not seen elsewhere
993	C	16847	2 Layer	Padding		0 2nd Floor	Carpet	Brown	Unique not seen elsewhere
994	C	16848	1 Layer	Carpet - Brown		0 2nd Floor	Carpet	Brown	Unique not seen elsewhere
995	C	16848	2 Layer	Padding		0 2nd Floor	Carpet	Brown	Unique not seen elsewhere
996	C	16849	1 Layer	Ceramic Tile 1 x 1 - Grey		0 2nd Floor	Tile	Green/White	1 X 1
997	C	16849	2 Layer	Mastic - Yellow		0 2nd Floor	Tile	Green/White	1 X 1
998	C	16850	1 Layer	Ceramic Tile 1 x 1 - Grey		0 2nd Floor	Tile	Green/White	1 X 1
999	C	16850	2 Layer	Mastic - Yellow		0 2nd Floor	Tile	Green/White	1 X 1
1000	C	16851	1 Layer	Ceramic Tile 1 x 1 - Grey		0 2nd Floor	Tile	Green/White	1 X 1
1001	C	16851	2 Layer	Mastic - Yellow		0 2nd Floor	Tile	Green	1 X 1
1002	C	16852	1 Layer	Ceramic Tile 1 x 1 - Grey	Trace	2nd Floor	Tile	Green	1 X 1
1003	C	16852	2 Layer	Mastic - Yellow		0 2nd Floor	Tile	Green	1 X 1
1004	C	16853	1 Layer	Ceramic Tile 1 x 1 - Grey	Trace	2nd Floor	Tile	Green	1 X 1
1005	C	16853	2 Layer	Mastic - Yellow	Trace	2nd Floor	Tile	Green	1 X 1
1006	C	16854	1 Layer	Ceramic Tile 1 x 1 - Grey		0 2nd Floor	Tile	Green	1 X 1
1007	C	16854	2 Layer	Mastic - Yellow		0 2nd Floor	Tile	Green	1 X 1
1008	C	16855	1 Layer	Ceramic Tile 1 x 1 - Brown	Trace	0 2nd Floor	Tile	Brown	1 X 1
1009	C	16855	2 Layer	Mastic - Yellow		0 2nd Floor	Tile	Brown	1 X 1
1010	C	16856	1 Layer	Ceramic Tile 1 x 1 - Brown		0 2nd Floor	Tile	Brown	1 X 1
1011	C	16856	2 Layer	Mastic - Yellow		0 2nd Floor	Tile	Brown	1 X 1
1012	C	16857	1 Layer	Ceramic Tile 1 x 1 - Brown		0 2nd Floor	Tile	Brown	1 X 1
1013	C	16857	2 Layer	Mastic - Yellow		0 2nd Floor	Tile	Brown	1 X 1

	A	B	C	D	E	F	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Field Description
1	1014	C	16858	Paint - Tan	0	2nd Floor	Hallway	Paint	Outside C 234
1015	C	16859	1 Layer	Paint - Tan		0 2nd Floor	Hallway	Paint	Outside C 216
1016	C	16860	1 Layer	Paint - Tan		0 2nd Floor	Hallway	Paint	Outside C 224
1017	C	16861	1 Layer	Paint - Tan		0 2nd Floor	Hallway	Paint	Next to Elevator
1018	C	16862	1 Layer	Paint - Tan		0 2nd Floor	Hallway	Paint	Across from C 221
1019	C	16863	1 Layer	Paint - Tan		0 2nd Floor	Hallway	Paint	Btw C 206 & 207
1020	C	16864	1 Layer	Paint - Tan		0 2nd Floor	Hallway	Paint	Across from C 208
1021	C	16865	1 Layer	Paint - White		0 2nd Floor	C 206	Paint	On wall
1022	C	16866	1 Layer	Paint - White		0 2nd Floor	C 206	Paint	On wall
1023	C	16867	1 Layer	Paint - White		0 2nd Floor	C 206	Paint	On wall
1024	C	16868	1 Layer	Paint - Cream		0 2nd Floor	C 221	Paint	On wall
1025	C	16869	1 Layer	Paint - Cream		0 2nd Floor	C 221	Paint	On wall
1026	C	16870	1 Layer	Paint - Cream		0 2nd Floor	C 221	Paint	On wall
1027	C	16871	1 Layer	Paint - Light Blue		0 2nd Floor	C 210	Paint	On Sheetrock
1028	C	16872	1 Layer	Paint - Light Blue		0 2nd Floor	C 210	Paint	On Sheetrock
1029	C	16873	1 Layer	Paint - Light Blue		0 2nd Floor	C 210	Paint	On Sheetrock
1030	C	16874	1 Layer	Paint - Gray		0 2nd Floor	C 210	Paint	On Door Jam
1031	C	16875	1 Layer	Paint - Gray		0 2nd Floor	C 210	Paint	On Door Jam
1032	C	16876	1 Layer	Paint - Gray		0 2nd Floor	C 210	Paint	On Door Jam
1033	C	16890	1st Layer	Pipe Insulation Foil - W		0 2nd Floor	C 222	TSI	Vertical Rise
1034	C	16890	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	Vertical Rise
1035	C	16891	1st Layer	Pipe Insulation Foil - W		0 2nd Floor	C 222	TSI	5 1/2" Round Brown Vertical Rise
1036	C	16891	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	5 1/2" Round Brown Vertical Rise
1037	C	16892	1st Layer	Pipe Insulation Fabric -		10 2nd Floor	C 222	TSI	Elbow Mudded
1038	C	16892	2nd Layer	Bulk - White		20 2nd Floor	C 222	TSI	Elbow Mudded
1039	C	16893	1st Layer	Pipe Insulation Foil - W		0 2nd Floor	C 222	TSI	5 1/2" Round Brown Horizontal
1040	C	16893	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	5 1/2" Round Brown Horizontal
1041	C	16894	1st Layer	Pipe Insulation Fabric -		20 2nd Floor	C 222	TSI	Elbow Mudded
1042	C	16894	2nd Layer	Bulk - White		20 2nd Floor	C 222	TSI	Elbow Mudded
1043	C	16895	1st Layer	Pipe Insulation Foil - W		0 2nd Floor	C 222	TSI	Vertical Rise
1044	C	16895	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	Vertical Rise
1045	C	16896	1st Layer	Pipe Insulation Foil - W		0 2nd Floor	C 222	TSI	3 1/2" Round White Vertical Rise
1046	C	16896	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	3 1/2" Round White Vertical Rise
1047	C	16897	1st Layer	Pipe Insulation Fabric -		20 2nd Floor	C 222	TSI	Elbow Mudded
1048	C	16897	2nd Layer	Bulk - White		20 2nd Floor	C 222	TSI	Elbow Mudded
1049	C	16898	1st Layer	Pipe Insulation Foil - W		0 2nd Floor	C 222	TSI	Horizontal Run
1050	C	16898	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	Horizontal Run
1051	C	16899	1st Layer	Bulk - White	Trace	2nd Floor	C 222	TSI	Elbow Mudded Black Wrapping\
1052	C	16900	1st Layer	Pipe Insulation Foil - W		0 2nd Floor	C 222	TSI	Vertical Rise
1053	C	16900	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	Vertical Rise
1054	C	16901	1st Layer	Pipe Insulation Foil - W		80 2nd Floor	C 222	TSI	4" 12 Sided Vertical Rise
1055	C	16901	2nd Layer	Bulk - Black		80 2nd Floor	C 222	TSI	4" 12 Sided Vertical Rise
1056	C	16902	1st Layer	Pipe Insulation - Black		60 2nd Floor	C 222	TSI	Elbow Black Wrapping
1057	C	16902	2nd Layer	Bulk - Black		70 2nd Floor	C 222	TSI	Elbow Black Wrapping

	A	B	C	D	E	F Everything	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
1058	C	16903	1st Layer	Pipe Insulation Fabric - Black		60 2nd Floor	C 222	TSI	White	Horizontal Run
1059	C	16903	2nd Layer	Bulk - Black		60 2nd Floor	C 222	TSI	White	Horizontal Run
1060	C	16904	1st Layer	Pipe Insulation - Black		60 2nd Floor	C 222	TSI	White	Elbow Black Wrapping
1061	C	16904	2nd Layer	Bulk - Black		60 2nd Floor	C 222	TSI	White	Elbow Black Wrapping
1062	C	16905	1st Layer	Pipe Insulation Foil - W		80 2nd Floor	C 222	TSI	White	Vertical Rise
1063	C	16905	2nd Layer	Bulk - Black		80 2nd Floor	C 222	TSI	White	Vertical Rise
1064	C	16906	1st Layer	Pipe Insulation Foil - W		30 2nd Floor	C 222	TSI	White	3 1/2" Horizontal
1065	C	16906	2nd Layer	Bulk - Black		40 2nd Floor	C 222	TSI	White	3 1/2" Horizontal
1066	C	16907	1st Layer	Pipe Insulation - Black		20 2nd Floor	C 222	TSI	White	3 1/2" Elbow
1067	C	16907	2nd Layer	Bulk - Black		40 2nd Floor	C 222	TSI	White	3 1/2" Elbow
1068	C	16908	1st Layer	Pipe Insulation Foil - W	Trace	2nd Floor	C 222	TSI	White	2 1/2" Vertical
1069	C	16908	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	White	2 1/2" Vertical
1070	C	16909	1st Layer	Pipe Insulation Foil - W		10 2nd Floor	C 222	TSI	White	2 1/2" Elbow
1071	C	16909	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	White	2 1/2" Elbow
1072	C	16910	1st Layer	Pipe Insulation Foil - W		0 2nd Floor	C 222	TSI	White	2 1/2" Vertical
1073	C	16910	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	White	2 1/2" Vertical
1074	C	16911	1st Layer	Pipe Insulation Fabric - White	Trace	2nd Floor	C 222	TSI	White	Elbow
1075	C	16911	2nd Layer	Bulk - White		10 2nd Floor	C 222	TSI	White	Elbow
1076	C	16912	1st Layer	Pipe Insulation Foil - W		0 2nd Floor	C 222	TSI	White	Vertical Rise
1077	C	16912	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	White	Vertical Rise
1078	C	16913	1st Layer	Pipe Insulation Fabric - White		30 2nd Floor	C 222	TSI	White	Elbow
1079	C	16913	2nd Layer	Bulk - White		20 2nd Floor	C 222	TSI	White	Elbow
1080	C	16914	1st Layer	Pipe Insulation Foil - Black		40 2nd Floor	C 222	TSI	Black	6" 12 Sided down form 7" 12 Sided
1081	C	16914	2nd Layer	Bulk - Black		20 2nd Floor	C 222	TSI	Black	6" 12 Sided down form 7" 12 Sided
1082	C	16915	1st Layer	Pipe Insulation Foil - Black		40 2nd Floor	C 222	TSI	Black	6" 12 Sided down form 7" 12 Sided
1083	C	16915	2nd Layer	Bulk - Black		35 2nd Floor	C 222	TSI	Black	6" 12 Sided down form 7" 12 Sided
1084	C	16916	1st Layer	Fiberglass		0 2nd Floor	C 222	TSI	Brown	3" Round Paper&Foil
1085	C	16917	1st Layer	Pipe Insulation Foil - W		0 2nd Floor	C 222	TSI	Brown	5" Round Paper&Foil
1086	C	16917	2nd Layer	Fiberglass		0 2nd Floor	C 222	TSI	Brown	5" Round Paper&Foil
1087	C	16918	1st Layer	Bulk - White		30 2nd Floor	C 222	TSI	White	4 1/2" Round Elbow Mud
1088	C	16919	1st Layer	Pipe Insulation Fabric - White		20 2nd Floor	C 222	TSI	White	5 1/2" Mud
1089	C	16919	2nd Layer	Bulk - White		20 2nd Floor	C 222	TSI	White	5 1/2" Mud
1090	C	16920	1st Layer	Pipe Insulation - Black		20 2nd Floor	C 222	TSI	Black	4" 12 Sided
1091	C	16920	2nd Layer	Bulk - Black		20 2nd Floor	C 222	TSI	Black	4" 12 Sided
1092	C	16921	1st Layer	4X4 Ceramic Tile - Gray		10 3rd Floor	C 315	Wall Tile	Green	4 X 4 Ceramic
1093	C	16921	2nd Layer	Mastic - Yellow		10 3rd Floor	C 315	Wall Tile	Green	4 X 4 Ceramic
1094	C	16922	1st Layer	4X4 Ceramic Tile - Gray		20 3rd Floor	C 315	Wall Tile	Green	4 X 4 Ceramic
1095	C	16922	2nd Layer	Mastic - Yellow		10 3rd Floor	C 315	Wall Tile	Green	4 X 4 Ceramic
1096	C	16923	1st Layer	4X4 Ceramic Tile - Gray		20 3rd Floor	C 313	Wall Tile	Green	4 X 4 Ceramic
1097	C	16923	2nd Layer	Mastic - Yellow		10 3rd Floor	C 313	Wall Tile	Green	4 X 4 Ceramic
1098	C	16924	1st Layer	4X4 Ceramic Tile - Gray		10 3rd Floor	C 313	Wall Tile	Green	4 X 4 Ceramic
1099	C	16924	2nd Layer	Mastic - Yellow		10 3rd Floor	C 313	Wall Tile	Green	4 X 4 Ceramic
1100	C	16925	1st Layer	4X4 Ceramic Tile - Gray		20 3rd Floor	C 313	Wall Tile	Green	4 X 4 Ceramic
1101	C	16925	2nd Layer	Mastic - Yellow		10 3rd Floor	C 313	Wall Tile	Green	4 X 4 Ceramic

Building	A	Sampling	B	C	D	E		F Everythg		H	I	J
						% Asbestos	Room	Floor	Material			
1	Building	16926	1st Layer	4X4 Ceramic Tile - White	0 3rd Floor	C 305A	Wall Tile	White w/Specs	4 X 4 Ceramic			
1102	C	16926	2nd Layer	Mastic - Yellow	10 3rd Floor	C 305A	Wall Tile	White w/Specs	4 X 4 Ceramic			
1103	C	16927	1st Layer	4X4 Ceramic Tile - White	0 3rd Floor	C 305A	Wall Tile	White w/Specs	4 X 4 Ceramic			
1104	C	16927	2nd Layer	Mastic - Yellow	10 3rd Floor	C 305A	Wall Tile	White w/Specs	4 X 4 Ceramic			
1105	C	16928	1st Layer	4X4 Ceramic Tile - White	Trace	C 306	Wall Tile	White w/Specs	4 X 4 Ceramic			
1106	C	16928	2nd Layer	Mastic - Yellow	10 3rd Floor	C 306	Wall Tile	White w/Specs	4 X 4 Ceramic			
1107	C	16929	1st Layer	Paint - Beige	0 3rd Floor	Hallway	Paint	Tan	Wall outside C 316			
1108	C	16930	1st Layer	Paint - Beige	0 3rd Floor	Hallway	Paint	Tan	Wall outside C 316			
1109	C	16931	1st Layer	Paint - Beige	0 3rd Floor	Hallway	Paint	Tan	Wall outside C 316			
1110	C	16932	1st Layer	Paint - Lt. Green	0 3rd Floor	Hallway	Paint	Green	Wall outside C 316			
1111	C	16933	1st Layer	Paint - Lt. Green	0 3rd Floor	Hallway	Paint	Green	Wall outside C 316			
1112	C	16934	1st Layer	Paint - Lt. Green	0 3rd Floor	Hallway	Paint	Green	Wall outside C 316			
1113	C	16935	1st Layer	Paint - Lt. Green	0 3rd Floor	C 304	Paint	Yellow	also found in C 305			
1114	C	16936	1st Layer	Paint - Multi Lt. Green	0 3rd Floor	C 305	Paint	Yellow	Multi Layers			
1115	C	16937	1st Layer	Paint - Multi Lt. Green	0 3rd Floor	C 305	Paint	Yellow	Multi Layers			
1116	C	16938	1st Layer	Paint - Green	0 3rd Floor	C 305A	Paint	Green	Wall in bathroom			
1117	C	16939	1st Layer	Paint - Green	0 3rd Floor	C 305A	Paint	Green	Wall in bathroom			
1118	C	16940	1st Layer	Paint - Green	0 3rd Floor	C 305A	Paint	Green	Wall in bathroom			
1119	C	16941	1st Layer	Paint - Cream	0 3rd Floor	Stairwell	Paint	White	Wall - next to C 309			
1120	C	16942	1st Layer	Paint - White	0 3rd Floor	C 311	Paint	White	Wall - also found in stairwell			
1121	C	16943	1st Layer	Paint - White	0 3rd Floor	C 311	Paint	White	Wall - also found in stairwell			
1122	C	16944	1st Layer	Floor Tile - White w/Gr	0 3rd Floor	C 311	Vinyl Tile	White w/Specs	9 X 9 in main area			
1123	C	16944	2nd Layer	Mastic - Yellow	10 3rd Floor	C 311	Vinyl Tile	White w/Specs	9 X 9 in main area			
1124	C	16945	1st Layer	Floor Tile - White w/Gr	0 3rd Floor	C 311	Vinyl Tile	White w/Specs	9 X 9 in main area			
1125	C	16945	2nd Layer	Mastic - Yellow	10 3rd Floor	C 311	Vinyl Tile	White w/Specs	9 X 9 in main area			
1126	C	16946	1st Layer	Floor Tile - White w/Gr	0 3rd Floor	C 311	Vinyl Tile	White w/Specs	9 X 9 in main area			
1127	C	16946	2nd Layer	Mastic - Yellow	10 3rd Floor	C 311	Vinyl Tile	White w/Specs	9 X 9 in main area			
1128	C	16947	1st Layer	Floor Tile - Cream w/Gr	Trace	C 311B	Vinyl Tile	White w/Specs	9 X 9 slightly different from main area			
1129	C	16947	2nd Layer	Mastic - Yellow	0 3rd Floor	C 311B	Vinyl Tile	White w/Specs	9 X 9 slightly different from main area			
1130	C	16948	1st Layer	Floor Tile - Cream w/Gr	Trace	C 311C	Vinyl Tile	White w/Specs	9 X 9 slightly different from main area			
1131	C	16948	2nd Layer	Mastic - Yellow	0 3rd Floor	C 311C	Vinyl Tile	White w/Specs	9 X 9 slightly different from main area			
1132	C	16949	1st Layer	Floor Tile - Cream w/Gr	Trace	C 311D	Vinyl Tile	White w/Specs	9 X 9 slightly different from main area			
1133	C	16949	2nd Layer	Mastic - Yellow	0 3rd Floor	C 311D	Vinyl Tile	White w/Specs	9 X 9 slightly different from main area			
1134	C	16950	1st Layer	Floor Tile - Brown	0 3rd Floor	Hallway	Vinyl Tile	Brown w/Specs	9 X 9 outside C 306			
1135	C	16950	2nd Layer	Mastic - Yellow	10 3rd Floor	Hallway	Vinyl Tile	Brown w/Specs	9 X 9 outside C 306			
1136	C	16951	1st Layer	Floor Tile - Brown	0 3rd Floor	Hallway	Vinyl Tile	Brown w/Specs	9 X 9 outside C 309			
1137	C	16951	2nd Layer	Mastic - Yellow	10 3rd Floor	Hallway	Vinyl Tile	Brown w/Specs	9 X 9 outside C 309			
1138	C	16952	1st Layer	Floor Tile - Brown	0 3rd Floor	Hallway	Vinyl Tile	Brown w/Specs	9 X 9 outside Elevator			
1139	C	16952	2nd Layer	Mastic - Yellow	10 3rd Floor	Hallway	Vinyl Tile	Brown w/Specs	9 X 9 outside Elevator			
1140	C	16953	1st Layer	Floor Tile - Green	0 3rd Floor	C 312	Vinyl Tile	Green w/Specs	9 X 9 found in hallway and 316			
1141	C	16953	2nd Layer	Mastic - Yellow	10 3rd Floor	C 312	Vinyl Tile	Green w/Specs	9 X 9 found in hallway and 316			
1142	C	16954	1st Layer	Floor Tile - Green	Trace	C 312	Vinyl Tile	Green w/Specs	9 X 9 found in hallway and 316			
1143	C	16954	2nd Layer	Mastic - Yellow	10 3rd Floor	C 312	Vinyl Tile	Green w/Specs	9 X 9 found in hallway and 316			
1144	C	16955	1st Layer	Floor Tile - Green	0 3rd Floor	Hallway	Vinyl Tile	Green w/Specs	9 X 9 next to C 316			
1145	C	16955	2nd Layer	Mastic - Yellow	10 3rd Floor	Hallway	Vinyl Tile	Green w/Specs	9 X 9 next to C 316			

	A	B	C	D	E	F Everything	H	I	J	
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1146	C	16955	2nd Layer	Mastic - Yellow	10	3rd Floor	Hallway	Vinyl Tile	Green w/Specs	9 X 9 next to C 316
1147	C	16956	1st Layer	Floor Tile - Green w/Black	0	3rd Floor	Hallway	Vinyl Tile	Green w/Specs	9 X 9 outside C 315
1148	C	16956	2nd Layer	Mastic - Black	10	3rd Floor	Hallway	Vinyl Tile	Green w/Specs	9 X 9 outside C 315
1149	C	16957	1st Layer	Floor Tile - Green w/Black	Trace	3rd Floor	Hallway	Vinyl Tile	Green w/Specs	9 X 9 outside C 321
1150	C	16957	2nd Layer	Mastic - Black	10	3rd Floor	Hallway	Vinyl Tile	Green w/Specs	9 X 9 outside C 321
1151	C	16958	1st Layer	Floor Tile - Green w/Black	Trace	3rd Floor	Hallway	Vinyl Tile	Green w/Specs	9 X 9 outside C 326
1152	C	16958	2nd Layer	Mastic - Black	10	3rd Floor	Hallway	Vinyl Tile	Green w/Specs	9 X 9 outside C 326
1153	C	16959	1st Layer	Baseboard - Beige	0	3rd Floor	C 305	Baseboard	Tan	Same as 304,305,309,312,326
1154	C	16959	2nd Layer	Mastic - Yellow	0	3rd Floor	C 305	Baseboard	Tan	Same as 304,305,309,312,326
1155	C	16960	1st Layer	Baseboard - Beige	0	3rd Floor	C 304	Baseboard	Tan	Same as 304,305,309,312,326
1156	C	16960	2nd Layer	Mastic - Yellow	0	3rd Floor	C 304	Baseboard	Tan	Same as 304,305,309,312,326
1157	C	16961	1st Layer	Baseboard - Beige	0	3rd Floor	C 304	Baseboard	Tan	Same as 304,305,309,312,326
1158	C	16961	2nd Layer	Mastic - Yellow	0	3rd Floor	C 304	Baseboard	Tan	Same as 304,305,309,312,326
1159	C	16962	1st Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud outside C 313 - 3" pipe joint
1160	C	16962	2nd Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud outside C 313 - 3" pipe joint
1161	C	16963	1st Layer	Pipe Insulation Fabric - Bulk - White	20	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1162	C	16963	2nd Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1163	C	16964	1st Layer	Pipe Insulation Fabric - Bulk - White	20	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1164	C	16964	2nd Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1165	C	16965	1st Layer	Pipe Insulation Fabric - Bulk - White	20	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1166	C	16965	2nd Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1167	C	16966	1st Layer	Pipe Insulation Fabric - Bulk - White	15	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1168	C	16966	2nd Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1169	C	16967	1st Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1170	C	16968	1st Layer	Pipe Insulation Paper - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1171	C	16968	2nd Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1172	C	16969	1st Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1173	C	16970	1st Layer	Pipe Insulation Fabric - Bulk - White	20	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1174	C	16970	2nd Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1175	C	16971	1st Layer	Pipe Insulation Fabric - Bulk - White	20	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1176	C	16971	2nd Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Fabric & Mud 3" pipe (313-324)
1177	C	16972	1st Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Mud Joint at "T" across from 303
1178	C	16972	2nd Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Mud Joint at "T" across from 303
1179	C	16973	1st Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Mud Joint at "T" across from 303
1180	C	16973	2nd Layer	Pipe Insulation Fabric - Bulk - White	15	3rd Floor	Hallway	TSI	White	Mud Joint at "T" across from 303
1181	C	16974	1st Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Elbow Mudded
1182	C	16974	2nd Layer	Pipe Insulation Fabric - Bulk - White	10	3rd Floor	Hallway	TSI	White	Elbow Mudded
1183	C	16975	1st Layer	Pipe Insulation Fabric - Bulk - White	20	3rd Floor	Hallway	TSI	White	Valve Mudded 3" Pipe
1184	C	16975	2nd Layer	Pipe Insulation Fabric - Bulk - White	20	3rd Floor	Hallway	TSI	White	Valve Mudded 3" Pipe
1185	C	16976	1st Layer	Pipe Insulation Fabric - Bulk - White	20	3rd Floor	Hallway	TSI	White	Valve Mudded 3" Pipe
1186	C	16976	2nd Layer	Pipe Insulation Fabric - Bulk - White	20	3rd Floor	Hallway	TSI	White	Valve Mudded 3" Pipe
1187	C	16977	1st Layer	Pipe Insulation Foil - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Horizontal Run Joint 3" C 314
1188	C	16977	2nd Layer	Fiberglass	0	3rd Floor	Hallway	TSI	White	Horizontal Run Joint 3" C 314
1189	C	16978	1st Layer	Pipe Insulation Foil - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Horizontal Run Joint 4" C 314

	A	B	C	D	E	F Everything	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Room	Material	Color	Field Description
1190	C	16978	2nd Layer	Fiberglass	0	3rd Floor	TSI	White	Horizontal Run Joint 4" C 314
1191	C	16979	1st Layer	Pipe Insulation Foil - Bl	Trace	3rd Floor	TSI	White	Insulating Fiber 3" C 314
1192	C	16979	2nd Layer	Fiberglass	0	3rd Floor	TSI	White	Insulating Fiber 3" C 314
1193	B	16980	1st Layer	Floor Tile - White	Trace	Basement	Floor Tile	White	12X12
1194	B	16980	2nd Layer	Mastic - Black	Trace	Basement	Floor Tile	White	12X12
1195	B	16981	1st Layer	Floor Tile - White	Trace	Basement	Floor Tile	White	12X12 Door of B 001
1196	B	16981	2nd Layer	Mastic - Black	Trace	Basement	Floor Tile	White	12X12 Door of B 001
1197	B	16982	1st Layer	Floor Tile - White	Trace	Basement	Floor Tile	White	12X12 Across from B 003
1198	B	16982	2nd Layer	Mastic - Black	Trace	Basement	Floor Tile	White	12X12 Across from B 003
1199	B	16983	1st Layer	Floor Tile - Beige	Trace	Basement	Floor Tile	Gray/Tan	12X12 Elevator
1200	B	16983	2nd Layer	Mastic - Black	Trace	Basement	Floor Tile	Gray/Tan	12X12 Elevator
1201	B	16984	1st Layer	Floor Tile - Beige	Trace	Basement	Floor Tile	Gray/Tan	12X12 Bottom Landing
1202	B	16984	2nd Layer	Mastic - Black	Trace	Basement	Floor Tile	Gray/Tan	12X12 Bottom Landing
1203	B	16985	1st Layer	Floor Tile - Beige	Trace	Basement	Floor Tile	Gray/Tan	12X12 Up landing
1204	B	16985	2nd Layer	Mastic - Black	Trace	Basement	Floor Tile	Gray/Tan	12X12 Up landing
1205	B	16986	1st Layer	Ceramic Tile 1X1 - Brown	Trace	Basement	Ceramic Tile	Brown	2X2
1206	B	16986	2nd Layer	Mastic - White/Yellow	Trace	Basement	Ceramic Tile	Brown	2X2
1207	B	16987	1st Layer	Ceramic Tile 1X1 - Brown	Trace	Basement	Ceramic Tile	Brown	2X2
1208	B	16987	2nd Layer	Mastic - White/Yellow	Trace	Basement	Ceramic Tile	Brown	2X2
1209	B	16988	1st Layer	Ceramic Tile 1X1 - Brown	Trace	Basement	Ceramic Tile	Brown	2X2
1210	B	16988	2nd Layer	Mastic - White/Yellow	Trace	Basement	Ceramic Tile	Brown	2X2
1211	B	16989	1st Layer	Ceramic Tile 4X4 - Cream	Trace	Basement	Ceramic Tile	White	Bottom of restroom wall
1212	B	16989	2nd Layer	Mastic - Yellow	Trace	Basement	Ceramic Tile	White	Bottom of restroom wall
1213	B	16990	1st Layer	Ceramic Tile 4X4 - Cream	Trace	Basement	Ceramic Tile	White	Bottom of restroom wall
1214	B	16990	2nd Layer	Mastic - Yellow	Trace	Basement	Ceramic Tile	White	Bottom of restroom wall
1215	B	16991	1st Layer	Ceramic Tile 4X4 - Cream	Trace	Basement	Ceramic Tile	White	Bottom of restroom wall
1216	B	16991	2nd Layer	Mastic - Yellow	Trace	Basement	Ceramic Tile	White	Bottom of restroom wall
1217	B	16992	1st Layer	Paint - Beige	Trace	Basement	Hallway Paint	Beige	Wall left of door B 001
1218	B	16993	1st Layer	Paint - Beige	Trace	Basement	B 001A Paint	Beige	Wall outside door B001A
1219	B	16994	1st Layer	Paint - Beige	Trace	Basement	B 007 Paint	Beige	Wall next to shelves w/monitors
1220	B	16995	1st Layer	Paint - Beige	Trace	Basement	B 007B Paint	Beige	Wall to the right inside door
1221	B	16996	1st Layer	Paint - Beige	Trace	Basement	Hallway Paint	Beige	Wall left of B 004
1222	B	16997	1st Layer	Paint - Brown	Trace	Basement	B 002 Paint	Brown	Door Frame
1223	B	16998	1st Layer	Paint - Brown	Trace	Basement	Boiler Room Paint	Brown	Door Frame
1224	B	16999	1st Layer	Paint - Brown	Trace	Basement	B 005 Paint	Brown	Door Frame
1225	B	17000	1st Layer	Paint - Multi White	Trace	Basement	Stairwell Paint	White	Wall bottom adjacent to door
1226	C	17001	1st Layer	Ceramic Tile 4X4 - Gray	Trace	3rd Floor	Ceramic Tile	Green	4X6 - Across from C317
1227	C	17001	2nd Layer	Mastic - Yellow	Trace	3rd Floor	Ceramic Tile	Green	4X6 - Across from C317
1228	C	17002	1st Layer	Ceramic Tile 4X4 - Gray	Trace	3rd Floor	Ceramic Tile	Green	4X6 - Adjacent to 324
1229	C	17002	2nd Layer	Mastic - Yellow	Trace	3rd Floor	Ceramic Tile	Green	4X6 - Adjacent to 324
1230	C	17003	1st Layer	Ceramic Tile 4X4 - Gray	Trace	3rd Floor	Ceramic Tile	Green	4X6 - Across from C317
1231	C	17003	2nd Layer	Mastic - Yellow	Trace	3rd Floor	Ceramic Tile	Green	4X6 - Across from C317
1232	C	17004	1st Layer	Ceramic Tile 4X4 - Gray	Trace	3rd Floor	Ceramic Tile	Green	4X6 - Outside C305
1233	C	17004	2nd Layer	Mastic - Yellow	Trace	3rd Floor	Ceramic Tile	Green	4X6 - Outside C305

	A	B	C	D	E		F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1		17005	1st Layer	Ceramic Tile 4X4 - Gray		0 3rd Floor	Hallway	Ceramic Tile	Green	4X6 - Right of C304
1234	C	17005	2nd Layer	Mastic - Yellow		0 3rd Floor	Hallway	Ceramic Tile	Green	4X6 - Right of C304
1235	C	17006	1st Layer	Ceramic Tile 4X4 - Gray		0 3rd Floor	C 314	Ceramic Tile	Green	4X6 - Left wall facing inside
1236	C	17006	2nd Layer	Mastic - Yellow		0 3rd Floor	C 314	Ceramic Tile	Green	4X6 - Left wall facing inside
1237	C	17007	1st Layer	Ceramic Tile 4X4 - Gray		0 3rd Floor	C 302	Ceramic Tile	Green	4X6 - left of cabinet
1238	C	17007	2nd Layer	Mastic - Yellow		0 3rd Floor	C 302	Ceramic Tile	Green	4X6 - left of cabinet
1239	C	17008	1st Layer	Ceramic Tile 4X4 - Beige	Trace	3rd Floor	Hallway	Ceramic Tile	Yellow	4X4 - Right of C307
1240	C	17008	2nd Layer	Mastic - Yellow		0 3rd Floor	Hallway	Ceramic Tile	Yellow	4X4 - Right of C307
1241	C	17009	1st Layer	Ceramic Tile 4X4 - Beige		0 3rd Floor	Hallway	Ceramic Tile	Yellow	4X4 - Right of C312
1242	C	17009	2nd Layer	Mastic - Yellow		0 3rd Floor	Hallway	Ceramic Tile	Yellow	4X4 - Right of C312
1243	C	17010	1st Layer	Ceramic Tile 4X4 - Beige		0 3rd Floor	Hallway	Ceramic Tile	Yellow	4X4 - Across of C306
1244	C	17010	2nd Layer	Mastic - Yellow		0 3rd Floor	Hallway	Ceramic Tile	Yellow	4X4 - Across of C306
1245	C	17011	1st Layer	Ceramic Tile 4X4 - Beige	Trace	3rd Floor	C 324	Ceramic Tile	Lt. Green	4X4 - Inside door on left
1246	C	17011	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 324	Ceramic Tile	Lt. Green	4X4 - Inside door on left
1247	C	17012	1st Layer	Ceramic Tile 4X4 - Beige		0 3rd Floor	C 324	Ceramic Tile	Lt. Green	4X4 - Inside door on right
1248	C	17012	2nd Layer	Mastic - Yellow		0 3rd Floor	C 324	Ceramic Tile	Lt. Green	4X4 - Inside door on right
1249	C	17013	1st Layer	Ceramic Tile 4X4 - Beige		0 3rd Floor	C 312	Ceramic Tile	Lt. Green	4X4 - On wall of C312A
1250	C	17013	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 312	Ceramic Tile	Lt. Green	4X4 - On wall of C312A
1251	C	17014	1st Layer	Formica - White		0 3rd Floor	C 315	Formica	White	Countertop
1252	C	17014	2nd Layer	Mastic - Yellow		0 3rd Floor	C 315	Formica	White	Countertop
1253	C	17015	1st Layer	Formica - White		0 3rd Floor	C 301	Formica	White	Countertop
1254	C	17015	2nd Layer	Mastic - Yellow		0 3rd Floor	C 301	Formica	White	Countertop
1255	C	17016	1st Layer	Formica - White		0 3rd Floor	C 309	Formica	White	Countertop
1256	C	17016	2nd Layer	Mastic - Yellow		0 3rd Floor	C 309	Formica	White	Countertop
1257	C	17017	1st Layer	Ceiling Tile - White		0 3rd Floor	C 304	Acoustic Tile	White	1X1 - Ceiling
1258	C	17017	2nd Layer	Glue - Brown	Trace	3rd Floor	C 304	Acoustic Tile	White	1X1 - Ceiling
1259	C	17018	1st Layer	Ceiling Tile - White		0 3rd Floor	Hallway	Acoustic Tile	White	1X1 - Ceiling btw. C306&C307
1260	C	17018	2nd Layer	Glue - Brown	Trace	3rd Floor	Hallway	Acoustic Tile	White	1X1 - Ceiling btw. C306&C307
1261	C	17019	1st Layer	Ceiling Tile - White		0 3rd Floor	Hallway	Acoustic Tile	White	1X1 - Ceiling outside 309
1262	C	17019	2nd Layer	Glue - Brown	Trace	3rd Floor	Hallway	Acoustic Tile	White	1X1 - Ceiling outside 309
1263	C	17020	1st Layer	Ceiling Tile - White		0 3rd Floor	C 311A	Drop Ceiling	White	2X2 Wall inside door
1264	C	17021	1st Layer	Ceiling Tile - White		0 3rd Floor	C 311A	Drop Ceiling	White	2X2
1265	C	17022	1st Layer	Ceiling Tile - White		0 3rd Floor	C 311A	Drop Ceiling	White	2X2
1266	C	17023	1st Layer	Ceramic Tile 1X1 - White	Trace	3rd Floor	C 305A	Ceramic Tile	White/Green	1X1 Floor
1267	C	17023	2nd Layer	Mastic - Yellow		0 3rd Floor	C 305A	Ceramic Tile	White/Green	1X1 Floor
1268	C	17024	1st Layer	Ceramic Tile 1X1 - White		0 3rd Floor	C 305A	Ceramic Tile	White/Green	1X1 Floor
1269	C	17024	2nd Layer	Mastic - Yellow		0 3rd Floor	C 305A	Ceramic Tile	White/Green	1X1 Floor
1270	C	17025	1st Layer	Ceramic Tile 1X1 - White		0 3rd Floor	C 305A	Ceramic Tile	White/Green	1X1 Floor
1271	C	17025	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 305A	Ceramic Tile	White/Green	1X1 Floor
1272	C	17026	1st Layer	Ceramic Tile 1X1 - White		0 3rd Floor	C 306	Ceramic Tile	Blue/Yellow	1X1 Floor
1273	C	17026	2nd Layer	Mastic - Yellow		0 3rd Floor	C 306	Ceramic Tile	Blue/Yellow	1X1 Floor
1274	C	17027	1st Layer	Ceramic Tile 1X1 - White		0 3rd Floor	C 306	Ceramic Tile	Blue/Yellow	1X1 Floor
1275	C	17027	2nd Layer	Mastic - Yellow		0 3rd Floor	C 306	Ceramic Tile	Blue/Yellow	1X1 Floor
1276	C	17028	1st Layer	Ceramic Tile 1X1 - White		0 3rd Floor	C 306	Ceramic Tile	Blue/Yellow	1X1 Floor
1277	C									

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	C	17028	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 306	Ceramic Tile	Blue/Yellow	1X1 Floor
1278	C	17029	1st Layer	Ceramic Tile 1X1 - White	Trace	3rd Floor	C 307	Ceramic Tile	White/Brown	1X1 Floor
1279	C	17029	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 307	Ceramic Tile	White/Brown	1X1 Floor
1280	C	17030	1st Layer	Ceramic Tile 1X1 - White	Trace	3rd Floor	C 307	Ceramic Tile	White/Brown	1X1 Floor
1281	C	17030	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 307	Ceramic Tile	White/Brown	1X1 Floor
1282	C	17031	1st Layer	Ceramic Tile 1X1 - White	Trace	3rd Floor	C 307	Ceramic Tile	White/Brown	1X1 Floor
1283	C	17031	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 307	Ceramic Tile	White/Brown	1X1 Floor
1284	C	17032	1st Layer	Ceramic Tile 1X1 - Green	Trace	3rd Floor	C 324	Ceramic Tile	Green	1X1 Floor
1285	C	17032	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 324	Ceramic Tile	Green	1X1 Floor
1286	C	17033	1st Layer	Ceramic Tile 1X1 - Green	Trace	3rd Floor	C 324	Ceramic Tile	Green	1X1 Floor
1287	C	17033	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 324	Ceramic Tile	Green	1X1 Floor
1288	C	17034	1st Layer	Ceramic Tile 1X1 - Green	Trace	3rd Floor	C 324	Ceramic Tile	Green	1X1 Floor
1289	C	17034	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 324	Ceramic Tile	Green	1X1 Floor
1290	C	17035	1st Layer	Paint - White	Trace	3rd Floor	C 302	Paint	White	Door Frame
1291	C	17036	1st Layer	Paint - White	Trace	3rd Floor	C 313	Paint	White	Door Frame
1292	C	17037	1st Layer	Paint - White	Trace	3rd Floor	C 312	Paint	White	Door Frame
1293	C	17038	1st Layer	Baseboard - Green	Trace	3rd Floor	C 308	Baseboard	Tan/Green	Vinyl
1294	C	17038	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 308	Baseboard	Tan/Green	Vinyl
1295	C	17039	1st Layer	Baseboard - Green	Trace	3rd Floor	C 308	Baseboard	Tan/Green	Vinyl
1296	C	17039	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 308	Baseboard	Tan/Green	Vinyl
1297	C	17040	1st Layer	Baseboard - Green	Trace	3rd Floor	C 308	Baseboard	Tan/Green	Vinyl
1298	C	17040	2nd Layer	Mastic - Yellow	Trace	3rd Floor	C 308	Baseboard	Tan/Green	Vinyl
1299	C	17041	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	2 1/2 pipe
1300	C	17041	2nd Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	2 1/2 pipe
1301	C	17042	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Cleanout Plug
1302	C	17042	2nd Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Cleanout Plug
1303	C	17043	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Valve next to cleanout plug
1304	C	17043	2nd Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Valve next to cleanout plug
1305	C	17044	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	3"-4" cluster
1306	C	17044	2nd Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	3"-4" cluster
1307	C	17045	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Pipe above cluster
1308	C	17045	2nd Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Pipe above cluster
1309	C	17046	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Pipe next to AC vent
1310	C	17046	2nd Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Pipe next to AC vent
1311	C	17047	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Pipe above 17046
1312	C	17047	2nd Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Joint on 2 1/2 Pipe
1313	C	17048	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Joint on 2 1/2 Pipe
1314	C	17048	2nd Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Joint above 17048
1315	C	17049	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Joint above 17048
1316	C	17049	2nd Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Large Joing on 3" Pipe
1317	C	17050	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Large Joing on 3" Pipe
1318	C	17050	2nd Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Joint on 2 1/2" Pipe next to 17050
1319	C	17051	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Joint on 2 1/2" Pipe next to 17050
1320	C	17051	2nd Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	Mudded Joint after 17051
1321	C	17052	1st Layer	Pipe Insulation Fabric - Bulk - White	Trace	3rd Floor	Hallway	TSI	White	

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	1322	C	17052	2nd Layer Bulk - White	20	3rd Floor	Hallway	TSI	White	Mudded Joint after 17051
	1323	C	17053	1st Layer Pipe Insulation Fabric -	30	3rd Floor	Hallway	TSI	White	Elbow behind 17052
	1324	C	17053	2nd Layer Bulk - White	30	3rd Floor	Hallway	TSI	White	Elbow behind 17052
	1325	C	17054	1st Layer Pipe Insulation Fabric -	30	3rd Floor	Hallway	TSI	White	Mudded Elbow
	1326	C	17054	2nd Layer Bulk - White	30	3rd Floor	Hallway	TSI	White	Mudded Elbow
	1327	C	17055	1st Layer Pipe Insulation Fabric -	20	3rd Floor	Hallway	TSI	White	Mudded Elbow
	1328	C	17055	2nd Layer Bulk - White	20	3rd Floor	Hallway	TSI	White	Mudded Elbow
	1329	C	17056	1st Layer Pipe Insulation Foil/Pap	10	3rd Floor	Hallway	TSI	Brown	4" Pipe
	1330	C	17056	2nd Layer Fiberglass	0	3rd Floor	Hallway	TSI	Brown	4" Pipe
	1331	C	17057	1st Layer Pipe Insulation Foil/Pap	10	3rd Floor	Hallway	TSI	Brown	2 1/2" Pipe
	1332	C	17057	2nd Layer Fiberglass	0	3rd Floor	Hallway	TSI	Brown	2 1/2" Pipe
	1333	C	17058	1st Layer Pipe Insulation Foil	10	3rd Floor	Hallway	TSI	Silver	AC Duct across from 318
	1334	C	17058	2nd Layer Mineral Wool	0	3rd Floor	Hallway	TSI	Silver	AC Duct across from 318
	1335	C	17059	1st Layer Pipe Insulation Fabric -	10	3rd Floor	Hallway	TSI	White	4" Elbow across from 318
	1336	C	17059	2nd Layer Bulk - White	10	3rd Floor	Hallway	TSI	White	4" Elbow across from 318
	1337	C	17060	1st Layer Pipe Insulation Fabric -	10	3rd Floor	Hallway	TSI	White	2 1/2" Elbow across from 318
	1338	C	17060	2nd Layer Bulk - White	10	3rd Floor	Hallway	TSI	White	2 1/2" Elbow across from 318
	1339	C	17061	1st Layer Pipe Insulation Fabric -	Trace	3rd Floor	Hallway	TSI	White	"T" on 3" Pipe by 318-319
	1340	C	17061	2nd Layer Bulk - White	10	3rd Floor	Hallway	TSI	White	"T" on 3" Pipe by 318-319
	1341	C	17062	1st Layer Pipe Insulation Fabric -	10	3rd Floor	Hallway	TSI	White	2 1/4" elbow b/t 318-319
	1342	C	17062	2nd Layer Bulk - White	10	3rd Floor	Hallway	TSI	White	2 1/4" elbow b/t 318-319
	1343	C	17063	1st Layer Pipe Insulation Fabric -	Trace	3rd Floor	Hallway	TSI	White	2 1/4" elbow above 318 door
	1344	C	17063	2nd Layer Bulk - White	10	3rd Floor	Hallway	TSI	White	2 1/4" elbow above 318 door
	1345	C	17064	1st Layer Pipe Insulation Fabric -	Trace	3rd Floor	Hallway	TSI	White	"T" on 3" Pipe in front of 318
	1346	C	17064	2nd Layer Bulk - White	10	3rd Floor	Hallway	TSI	White	"T" on 3" Pipe in front of 318
	1347	B	17065	1st Layer Baseboard - Brown	0	Basement	Hallway	Baseboard	Lt. Brown	Outside B007
	1348	B	17065	2nd Layer Mastic - Yellow	0	Basement	Hallway	Baseboard	Lt. Brown	Outside B007
	1349	B	17066	1st Layer Baseboard - Brown	0	Basement	B 006	Baseboard	Lt. Brown	
	1350	B	17066	2nd Layer Mastic - Yellow	0	Basement	B 006	Baseboard	Lt. Brown	
	1351	B	17067	1st Layer Baseboard - Brown	0	Basement	B 006	Baseboard	Lt. Brown	
	1352	B	17067	2nd Layer Mastic - Yellow	0	Basement	B 006	Baseboard	Lt. Brown	
	1353	B	17068	1st Layer Baseboard - Green	0	Basement	Stairwell	Baseboard	Gray/Brown	
	1354	B	17068	2nd Layer Mastic - Yellow	0	Basement	Stairwell	Baseboard	Gray/Brown	
	1355	B	17069	1st Layer Baseboard - Green	0	Basement	Stairwell	Baseboard	Gray/Brown	
	1356	B	17069	2nd Layer Mastic - Yellow	0	Basement	Stairwell	Baseboard	Gray/Brown	
	1357	B	17070	1st Layer Baseboard - Green	0	Basement	Stairwell	Baseboard	Gray/Brown	
	1358	B	17070	2nd Layer Mastic - Yellow	Trace	Basement	Stairwell	Baseboard	Gray/Brown	
	1359	B	17071	1st Layer Baseboard - Black	0	Basement	Stairwell	Baseboard	Blue	
	1360	B	17071	2nd Layer Mastic - Yellow	0	Basement	Stairwell	Baseboard	Blue	
	1361	B	17072	1st Layer Baseboard - Black	0	Basement	Stairwell	Baseboard	Blue	
	1362	B	17072	2nd Layer Mastic - Yellow	0	Basement	Stairwell	Baseboard	Blue	
	1363	B	17073	1st Layer Baseboard - Black	0	Basement	Stairwell	Baseboard	Blue	
	1364	B	17073	2nd Layer Mastic - Yellow	0	Basement	Stairwell	Baseboard	Blue	
	1365	B	17074	1st Layer Formica - Multi	0	Basement	Stairwell	Formica	Brown	Tabletop

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1		17074	2nd Layer	Mastic - Yellow	0	Basement	B 001	Brown	Tabletop
1366B		17075	1st Layer	Formica - Multi	0	Basement	B 006	Brown	Tabletop
1367B		17075	2nd Layer	Mastic - Yellow	0	Basement	B 006	Brown	Tabletop
1368B		17076	1st Layer	Formica - Multi	0	Basement	B 004	Brown	Tabletop
1369B		17076	2nd Layer	Mastic - Yellow	0	Basement	B 004	Brown	Tabletop
1370B		17077	1st Layer	Paint - Multi	0	Basement	Stairwell	White	Across from bottom
1372B		17078	1st Layer	Paint - Multi	0	Basement	Stairwell	White	Adjacent to bottom
1373B		17079	1st Layer	Formica - Woodgrain	0	Basement	B 006	Tan	Desk
1374B		17079	2nd Layer	Mastic - Yellow	0	Basement	B 006	Tan	Desk
1375B		17080	1st Layer	Formica - Woodgrain	0	Basement	B 006	Tan	Desk
1376B		17080	2nd Layer	Mastic - Yellow	0	Basement	B 006	Tan	Desk
1377B		17081	1st Layer	Formica - Woodgrain	0	Basement	B 006	Tan	Desk
1378B		17081	2nd Layer	Mastic - Yellow	0	Basement	B 006	Tan	Desk
1379B		17082	1st Layer	Paint - Beige	0	1st Floor	B140	Tan	Over Wallpaper
1380B		17083	1st Layer	Paint - Beige	0	1st Floor	B140	Tan	Over Wallpaper
1381B		17084	1st Layer	Paint - Beige	0	1st Floor	B140	Tan	Over Wallpaper
1382B		17085	1st Layer	Paint - Black	0	1st Floor	B140	Black	Over Wallpaper
1383B		17086	1st Layer	Paint - Black	0	1st Floor	B140	Black	Over Wallpaper
1384B		17087	1st Layer	Paint - Black	0	1st Floor	B140	Black	Over Wallpaper
1385B		17088	1st Layer	Paint - Blue	0	1st Floor	B140	Blue	Over Wallpaper
1386B		17089	1st Layer	Paint - Blue	0	1st Floor	B140	Blue	Over Wallpaper
1387B		17090	1st Layer	Paint - Blue	0	1st Floor	B140	Blue	Over Wallpaper
1388B		17091	1st Layer	Paint - Beige	Trace	1st Floor	B140	Tan	Over Sheetrock
1389B		17092	1st Layer	Paint - Beige		1st Floor	B140	Tan	Over Paneling
1390B		17093	1st Layer	Paint - Beige	0	1st Floor	B140	Tan	Over Sheetrock
1391B		17094	1st Layer	Paint - Black	0	1st Floor	B140	Black	Over Sheetrock
1392B		17095	1st Layer	Paint - Black	0	1st Floor	B140	Black	Over Paneling
1393B		17096	1st Layer	Paint - Black	0	1st Floor	B140	Black	Over Sheetrock
1394B		17097	1st Layer	Paint - Blue	0	1st Floor	B140	Blue	Over Sheetrock
1395B		17098	1st Layer	Paint - Blue	0	1st Floor	B140	Blue	Over Paneling
1396B		17099	1st Layer	Ceramic Tile 4X4 - Yellow	10	1st Floor	Hallway	Yellow	4X4 Next to double doors
1397B		17099	2nd Layer	Mastic - ???	10	1st Floor	Hallway	Yellow	4X4 Next to double doors
1398B		17100	1st Layer	Ceramic Tile 4X4 - Yellow	10	1st Floor	Hallway	Yellow	4X4 Right of B160
1399B		17100	2nd Layer	Mastic - ???	10	1st Floor	Hallway	Yellow	4X4 Right of B160
1400B		17101	1st Layer	Baseboard - Black	0	1st Floor	B143	Navy	
1401B		17101	2nd Layer	Mastic - Yellow	0	1st Floor	B143	Navy	
1402B		17102	1st Layer	Baseboard - Black	0	1st Floor	B143	Navy	
1403B		17102	2nd Layer	Mastic - Yellow	0	1st Floor	B143	Navy	
1404B		17103	1st Layer	Baseboard - Black	0	1st Floor	B143	Navy	
1405B		17103	2nd Layer	Mastic - Yellow	0	1st Floor	B143	Navy	
1406B		17104	1st Layer	Paint - Dark Brown	0	1st Floor	B140	Black	
1407B		17105	1st Layer	Paint - Dark Brown	0	1st Floor	B140	Black	
1408B		17106	1st Layer	Paint - Dark Brown	0	1st Floor	B140	Black	
1409B		17107	1st Layer	Ceiling - White	0	1st Floor	Drop Ceiling	White	2X2 Front of B140

	A	B	C	D	E	F	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	1410	B	17108	1st Layer Ceiling - White	0	1st Floor	Hallway	Drop Ceiling	White	2X2 Btw 146&147
	1411	B	17109	1st Layer Ceiling - White	0	1st Floor	Hallway	Drop Ceiling	White	2X2 Other side 147
	1412	B	17110	1st Layer Ceiling - White	0	1st Floor	Hallway	Drop Ceiling	Off-White	2X2 Front of B140
	1413	B	17111	1st Layer Ceiling - White	0	1st Floor	Hallway	Drop Ceiling	Off-White	2X2 Btw 146&147
	1414	B	17112	1st Layer Ceiling - White	0	1st Floor	Hallway	Drop Ceiling	Off-White	2X2 Other side 147
	1415	B	17113	1st Layer Ceiling - White	0	1st Floor	Hallway	Drop Ceiling	White	2X2 Above 147A
	1416	B	17114	1st Layer Ceiling - White	0	1st Floor	Hallway	Drop Ceiling	White	2X2 Above 147
	1417	B	17115	1st Layer Ceiling - White	0	1st Floor	Hallway	Drop Ceiling	White	2X2 Above 146
	1418	B	17116	1st Layer Formica - Cream	0	1st Floor	B147G	Formica	White	
	1419	B	17116	2nd Layer Mastic - Yellow	0	1st Floor	B147G	Formica	White	
	1420	B	17117	1st Layer Formica - Cream/White	0	1st Floor	B147F	Formica	White	
	1421	B	17117	2nd Layer Mastic - Yellow	0	1st Floor	B147F	Formica	White	
	1422	B	17118	1st Layer Formica - Cream/Peacht	0	1st Floor	B149	Formica	White	
	1423	B	17118	2nd Layer Mastic - Yellow	0	1st Floor	B149	Formica	White	
	1424	B	17119	1st Layer Roll Vinyl - Multi Color	0	1st Floor	B165	Linoleum	Green	
	1425	B	17119	2nd Layer Mastic - Yellow	0	1st Floor	B165	Linoleum	Green	
	1426	B	17120	1st Layer Roll Vinyl - Multi Color	0	1st Floor	B165	Linoleum	Green	
	1427	B	17120	2nd Layer Mastic - Yellow	0	1st Floor	B165	Linoleum	Green	
	1428	B	17121	1st Layer Roll Vinyl - Multi Color	0	1st Floor	B165	Linoleum	Green	
	1429	B	17121	2nd Layer Mastic - Yellow	0	1st Floor	B165	Linoleum	Green	
	1430	B	17122	1st Layer Carpet - Red/Blue		1st Floor	B168	Carpet	MultiColor	On 12X12 tile
	1431	B	17122	2nd Layer Pad		1st Floor	B168	Carpet	MultiColor	On 12X12 tile
	1432	B	17123	1st Layer Carpet - Red/Blue		1st Floor	B168	Carpet	MultiColor	On 12X12 tile
	1433	B	17123	2nd Layer Pad		1st Floor	B168	Carpet	MultiColor	On 12X12 tile
	1434	B	17124	1st Layer Carpet - Red/Blue		1st Floor	B168	Carpet	MultiColor	On 12X12 tile
	1435	B	17124	2nd Layer Pad		1st Floor	B168	Carpet	MultiColor	On 12X12 tile
	1436	B	17125	1st Layer Carpet - Brown		1st Floor	B152	Carpet	Dark Brown	On 12X12 tile
	1437	B	17125	2nd Layer Pad		1st Floor	B152	Carpet	Dark Brown	On 12X12 tile
	1438	B	17126	1st Layer Carpet - Brown		1st Floor	B152	Carpet	Dark Brown	On 12X12 tile
	1439	B	17126	2nd Layer Pad		1st Floor	B152	Carpet	Dark Brown	On 12X12 tile
	1440	B	17127	1st Layer Carpet - Brown		1st Floor	B152	Carpet	Dark Brown	On 12X12 tile
	1441	B	17127	2nd Layer Pad		1st Floor	B152	Carpet	Dark Brown	On 12X12 tile
	1442	B	17128	1st Layer Carpet - Multi Brown		1st Floor	B152	Carpet	MultiColor	On 12X12 tile
	1443	B	17128	2nd Layer Pad		1st Floor	B152	Carpet	MultiColor	On 12X12 tile
	1444	B	17129	1st Layer Carpet - Multi Brown		1st Floor	B152	Carpet	MultiColor	On 12X12 tile
	1445	B	17129	2nd Layer Pad		1st Floor	B152	Carpet	MultiColor	On 12X12 tile
	1446	B	17130	1st Layer Carpet - Multi Brown		1st Floor	B152	Carpet	MultiColor	On 12X12 tile
	1447	B	17130	2nd Layer Pad		1st Floor	B152	Carpet	MultiColor	On 12X12 tile
	1448	B	17131	1st Layer Carpet - Multi Gray/Bro		1st Floor	B151	Carpet	Br/Blu/Y	On Tan Tile
	1449	B	17131	2nd Layer Pad		1st Floor	B151	Carpet	Br/Blu/Y	On Tan Tile
	1450	B	17132	1st Layer Carpet - Multi Gray/Bro		1st Floor	B151	Carpet	Br/Blu/Y	On Tan Tile
	1451	B	17132	2nd Layer Pad		1st Floor	B151	Carpet	Br/Blu/Y	On Tan Tile
	1452	B	17133	1st Layer Carpet - Multi Gray/Bro		1st Floor	B151	Carpet	Br/Blu/Y	On Tan Tile
	1453	B	17133	2nd Layer Pad		1st Floor	B151	Carpet	Br/Blu/Y	On Tan Tile

	A	B	C	D	E	F Everything	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Room	Material	Color	Field Description
1454	B	17134	1st Layer	Carpet w/Pad - Blue w/	0	1st Floor	Carpet	Blue/Gray	On Linoleum
1455	B	17134	2nd Layer	Floor Tile - White	30	1st Floor	Carpet	Blue/Gray	On Linoleum
1456	B	17134	3rd Layer	Mastic - Black	30	1st Floor	Carpet	Blue/Gray	On Linoleum
1457	B	17135	1st Layer	Carpet w/Pad - Blue w/	0	1st Floor	Carpet	Blue/Gray	On Linoleum
1458	B	17135	2nd Layer	Floor Tile - White	35	1st Floor	Carpet	Blue/Gray	On Linoleum
1459	B	17135	3rd Layer	Mastic - Black	40	1st Floor	Carpet	Blue/Gray	On Linoleum
1460	B	17136	1st Layer	Carpet w/Pad - Blue w/	0	1st Floor	Carpet	Blue/Gray	On Linoleum
1461	B	17136	2nd Layer	Floor Tile - White	30	1st Floor	Carpet	Blue/Gray	On Linoleum
1462	B	17136	3rd Layer	Mastic - Black	40	1st Floor	Carpet	Blue/Gray	On Linoleum
1463	B	17137	1st Layer	1X1 - Ceramic Tile - Be	Trace	1st Floor	Ceramic Tile	Brown	1X1
1464	B	17137	2nd Layer	Paper	Trace	1st Floor	Ceramic Tile	Brown	1X1
1465	B	17138	1st Layer	1X1 - Ceramic Tile - Be	Trace	1st Floor	Ceramic Tile	Brown	1X1
1466	B	17138	2nd Layer	Paper	Trace	1st Floor	Ceramic Tile	Brown	1X1
1467	B	17139	1st Layer	1X1 - Ceramic Tile - Be	Trace	1st Floor	Ceramic Tile	Brown	1X1
1468	B	17139	2nd Layer	Paper	Trace	1st Floor	Ceramic Tile	Brown	1X1
1469	B	17140	1st Layer	Ceramic Tile - White	0	1st Floor	Ceramic Tile	Brown	6X6
1470	B	17140	2nd Layer	Grout - Black	0	1st Floor	Ceramic Tile	Brown	6X6
1471	B	17141	1st Layer	Ceramic Tile - White	0	1st Floor	Ceramic Tile	Brown	6X6
1472	B	17141	2nd Layer	Grout - Black	0	1st Floor	Ceramic Tile	Brown	6X6
1473	B	17142	1st Layer	Ceramic Tile - White	0	1st Floor	Ceramic Tile	Brown	6X6
1474	B	17142	2nd Layer	Grout - Black	0	1st Floor	Ceramic Tile	Brown	6X6
1475	B	17143	1st Layer	Paint - Black	0	Basement	Paint	Black	On Ceiling by B007/001
1476	B	17144	1st Layer	Paint - Black	0	Basement	Paint	Black	On Ceiling
1477	B	17145	1st Layer	Sheetrock	0	Basement	Paint	Black	On Ceiling
1478	B	17145	2nd Layer	Paper Backing	0	Basement	Paint	Black	On Ceiling
1479	B	17146	1st Layer	Paint - White	0	Basement	Paint	White	On Concrete
1480	B	17147	1st Layer	Paint - White	0	Basement	Paint	White	On Concrete
1481	B	17148	1st Layer	Paint - White	0	Basement	Paint	White	On Concrete
1482	B	17149	1st Layer	Paint - White	0	Basement	Boiler ro	White	Next to B006B Door
1483	B	17150	1st Layer	Paint - White	0	Basement	Boiler ro	White	On first large boiler
1484	B	17151	1st Layer	Paint - Beige	0	Basement	Boiler ro	White	Right of double doors to outside
1485	B	17152	1st Layer	Paint - Gray	0	Basement	Lobby	White	2X2
1486	B	17153	1st Layer	Ceiling - White	0	Basement	Lobby	White	2X2
1487	B	17154	1st Layer	Ceiling - White	0	Basement	B007B	White	2X2
1488	B	17154	2nd Layer	Ceiling - White	0	Basement	B007B	White	2X2
1489	B	17155	1st Layer	Pipe Insulation - Black	Trace	Basement	TSI	Black	In back of room
1490	B	17155	2nd Layer	Fiberglass	0	Basement	TSI	Black	In back of room
1491	B	17156	1st Layer	Pipe Insulation - Black	Trace	Basement	TSI	Black	In back of room
1492	B	17156	2nd Layer	Fiberglass	0	Basement	TSI	Black	In back of room
1493	B	17157	1st Layer	Pipe Insulation - Black	Trace	Basement	TSI	Black	First pipe from back wall
1494	B	17157	2nd Layer	Fiberglass	0	Basement	TSI	Black	First pipe from back wall
1495	B	17158	1st Layer	Pipe Insulation - Black	Trace	Basement	TSI	Black	2nd pipe from back wall
1496	B	17158	2nd Layer	Fiberglass	0	Basement	TSI	Black	2nd pipe from back wall
1497	B	17159	1st Layer	Pipe Insulation - Black	0	Basement	TSI	Black	End of lowest pipe to right of entrance

	A	B	C	D	E	F Everything	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1498	B	17159	2nd Layer	Fiberglass	0	Basement	B004	TSI	Black	End of lowest pipe to right of entrance
1499	B	17160	1st Layer	Pipe Insulation - White	Trace	Basement	B005	TSI	White	Lowest hanging pipe
1500	B	17160	2nd Layer	Fiberglass	0	Basement	B005	TSI	White	Lowest hanging pipe
1501	B	17161	1st Layer	Formica - Beige	0	Basement	B002	Formica	Beige	
1502	B	17161	2nd Layer	Mastic - Yellow	0	Basement	B002	Formica	Beige	
1503	B	17162	1st Layer	Formica - Beige	0	Basement	B002	Formica	Beige	
1504	B	17162	2nd Layer	Mastic - Yellow	0	Basement	B002	Formica	Beige	
1505	B	17163	1st Layer	Formica - Beige	0	Basement	B003	Formica	Beige	
1506	B	17163	2nd Layer	Mastic - Yellow	0	Basement	B003	Formica	Beige	
1507	B	17164	1st Layer	Formica - Wood Grain	0	Basement	B006	Formica	Yellow	On Cabinet
1508	B	17164	2nd Layer	Mastic - Yellow	0	Basement	B006	Formica	Yellow	On Cabinet
1509	B	17165	1st Layer	Formica - Wood Grain	0	Basement	B006A	Formica	Yellow	On Cabinet
1510	B	17165	2nd Layer	Mastic - Yellow	0	Basement	B006A	Formica	Yellow	On Cabinet
1511	B	17166	1st Layer	Formica - Wood Grain	0	Basement	B006B	Formica	Yellow	On Cabinet
1512	B	17166	2nd Layer	Mastic - Yellow	0	Basement	B006B	Formica	Yellow	On Cabinet
1513	B	17167	1st Layer	Formica - White	0	Basement	B006	Formica	White	In Cabinet
1514	B	17167	2nd Layer	Mastic - Yellow	0	Basement	B006	Formica	White	In Cabinet
1515	B	17168	1st Layer	Formica - White	0	Basement	B001	Formica	White	In Cabinet
1516	B	17168	2nd Layer	Mastic - Yellow	0	Basement	B001	Formica	White	In Cabinet
1517	B	17169	1st Layer	Formica - White	0	Basement	B001A	Formica	White	In Cabinet
1518	B	17169	2nd Layer	Mastic - Yellow	0	Basement	B001A	Formica	White	In Cabinet
1519	B	17170	1st Layer	Formica - Burgandy	0	2nd Floor	B262A	Formica	Brown	Countertop
1520	B	17170	2nd Layer	Mastic - Yellow	0	2nd Floor	B262A	Formica	Brown	Countertop
1521	B	17171	1st Layer	Formica - Burgandy	0	2nd Floor	Lobby	Formica	Brown	Countertop
1522	B	17171	2nd Layer	Mastic - Yellow	0	2nd Floor	Lobby	Formica	Brown	Countertop
1523	B	17172	1st Layer	Formica - Burgandy	0	2nd Floor	Lobby	Formica	Brown	Countertop
1524	B	17172	2nd Layer	Mastic - Yellow	0	2nd Floor	B243	Formica	Pink	Countertop
1525	B	17173	1st Layer	Formica - Drk. Pink	0	2nd Floor	B243	Formica	Pink	Countertop
1526	B	17173	2nd Layer	Mastic - Yellow	0	2nd Floor	B242	Formica	Pink	Countertop
1527	B	17174	1st Layer	Formica - Drk. Pink	0	2nd Floor	B242	Formica	Pink	Countertop
1528	B	17174	2nd Layer	Mastic - Yellow	0	2nd Floor	B242	Formica	Pink	Countertop
1529	B	17175	1st Layer	Formica - Drk. Pink	0	2nd Floor	B240	Formica	Pink	Countertop
1530	B	17175	2nd Layer	Mastic - Yellow	0	2nd Floor	B240	Formica	Pink	Countertop
1531	B	17176	1st Layer	Formica - White	0	2nd Floor	B247	Formica	White	Countertop
1532	B	17176	2nd Layer	Mastic - Yellow	0	2nd Floor	B247	Formica	White	Countertop
1533	B	17177	1st Layer	Formica - White	0	2nd Floor	B247	Formica	White	Countertop
1534	B	17177	2nd Layer	Mastic - Yellow	0	2nd Floor	B247	Formica	White	Countertop
1535	B	17178	1st Layer	Formica - White	0	2nd Floor	B247	Formica	White	Countertop
1536	B	17178	2nd Layer	Mastic - Yellow	0	2nd Floor	B247	Formica	White	Countertop
1537	B	17179	1st Layer	Paint - Beige	Trace	2nd Floor	Hallway	Paint	Tan	On Sheetrock - by 246
1538	B	17179	2nd Layer	Bulk		2nd Floor	Hallway	Paint	Tan	On Sheetrock - by 246
1539	B	17179	3rd Layer	Paper Backing		2nd Floor	Hallway	Paint	Tan	On Sheetrock - by 246
1540	B	17180	1st Layer	Paint - Beige		2nd Floor	Hallway	Paint	Tan	On Sheetrock - by 254
1541	B	17180	2nd Layer	Bulk		2nd Floor	Hallway	Paint	Tan	On Sheetrock - by 254

	A	B	C	D	E	F Everything	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
1542	B	17180	3rd Layer	Paper Backing		0 2nd Floor	Hallway	Paint	Tan	On Sheetrock - by 254
1543	B	17181	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Tan	On Sheetrock - by 256
1544	B	17181	2nd Layer	Bulk	Trace	2nd Floor	Hallway	Paint	Tan	On Sheetrock - by 256
1545	B	17181	3rd Layer	Paper Backing		0 2nd Floor	Hallway	Paint	Tan	On Sheetrock - by 256
1546	B	17182	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Tan	On Metal - by 258
1547	B	17182	2nd Layer	Bulk		0 2nd Floor	Hallway	Paint	Tan	On Metal - by 258
1548	B	17183	1st Layer	Paint - Beige		0 2nd Floor	B262	Paint	Tan	On Metal
1549	B	17183	2nd Layer	Bulk		0 2nd Floor	B262	Paint	Tan	On Metal
1550	B	17184	1st Layer	Paint - Beige		0 2nd Floor	B259	Paint	Tan	On Sheetrock
1551	B	17184	2nd Layer	Bulk	Trace	2nd Floor	B259	Paint	Tan	On Sheetrock
1552	B	17184	3rd Layer	Paper Bakcing		0 2nd Floor	B259	Paint	Tan	On Sheetrock
1553	B	17185	1st Layer	Paint - Beige		0 2nd Floor	B258	Paint	Tan	On Sheetrock
1554	B	17185	2nd Layer	Bulk	Trace	2nd Floor	B258	Paint	Tan	On Sheetrock
1555	B	17185	3rd Layer	Paper Bakcing		0 2nd Floor	B258	Paint	Tan	On Sheetrock
1556	B	17186	1st Layer	Paint - Brown		0 2nd Floor	B242	Door Trim	Brown	
1557	B	17187	1st Layer	Paint - Brown		0 2nd Floor	B263	Door Trim	Brown	
1558	B	17188	1st Layer	Paint - Brown		0 2nd Floor	Hallway	Door Trim	Brown	
1559	B	17189	1st Layer	Paint - Burgandy		0 2nd Floor	B243	Door Trim	Red	
1560	B	17190	1st Layer	Paint - Burgandy		0 2nd Floor	Hallway	Window Trim	Red	Threshold btw 243&246
1561	B	17191	1st Layer	Paint - ???		0 2nd Floor	B246	Door Trim	Red	
1562	B	17192	1st Layer	Paint - Black		0 2nd Floor	B261	Door Trim	Brown	
1563	B	17193	1st Layer	Paint - Black		0 2nd Floor	B261	Door Trim	Brown	
1564	B	17194	1st Layer	Paint - Black		0 2nd Floor	B260	Door Trim	Brown	
1565	B	17195	1st Layer	Paint - Tan		0 2nd Floor	B262	Door Trim	Tan	
1566	B	17196	1st Layer	Paint - Tan		0 2nd Floor	B264	Door Trim	Tan	
1567	B	17197	1st Layer	Paint - Yellow ????		0 2nd Floor	B264	Door Trim	Yellow	
1568	B	17198	1st Layer	Paint - White Cream	Trace	2nd Floor	B264	Paint	Light Green	
1569	B	17199	1st Layer	Paint - White Cream	Trace	2nd Floor	B264	Paint	Light Green	
1570	B	17200	1st Layer	Paint - White Cream	Trace	2nd Floor	B264	Paint	Light Green	
1571	B	17201	1st Layer	Paint - Blue		0 1st Floor	B140	Paint	Blue	Over Sheetrock
1572	B	17202	1st Layer	Paint - Black		0 1st Floor	B140	Paint	Black/Gray/Yellow	Door Trim
1573	B	17203	1st Layer	Paint - Black		0 1st Floor	B140B	Paint	Black/Gray	Door Trim
1574	B	17204	1st Layer	Paint - Black		0 1st Floor	B140A	Paint	Black/Gray	Door Trim
1575	B	17205	1st Layer	Paint - Gray		0 1st Floor	B143A	Paint	Gray/Yellow	On Plaster
1576	B	17206	1st Layer	Paint - Gray		0 1st Floor	B143A	Paint	Gray	On Plaster
1577	B	17207	1st Layer	Paint - Gray		0 1st Floor	B143A	Paint	Gray	On Plaster
1578	B	17208	1st Layer	Paint - Yellow		0 1st Floor	Hallway	Paint	Yellow/Lt. Green	On Plaster
1579	B	17209	1st Layer	Paint - Yellow		0 1st Floor	Hallway	Paint	Yellow	On Plaster
1580	B	17210	1st Layer	Paint - Yellow		0 1st Floor	Hallway	Paint	Yellow	On Plaster
1581	B	17211	1st Layer	Paint - Yellow		0 1st Floor	Hallway	Paint	Yellow	On Plaster
1582	B	17212	1st Layer	Paint - Yellow		0 1st Floor	Hallway	Paint	Yellow/Lt. Green	On Plaster
1583	B	17213	1st Layer	Paint - Yellow		0 1st Floor	Hallway	Paint	Yellow/Lt. Green	On Plaster
1584	B	17214	1st Layer	Paint - Yellow		0 1st Floor	Hallway	Paint	Yellow/Lt. Green	On Plaster
1585	B	17215	1st Layer	Paint - Brown	Trace	1st Floor	Hallway	Paint	Brown	Door Trim B148

	A		B		C		D		E		F Everythg		H	I	J
	Building	Sampling	Layer		Sample Description	% Asbestos					Floor	Room	Material	Color	Field Description
1	1586B	17216	1st Layer		Paint - Brown	Trace					1st Floor	Hallway	Paint	Brown	Door Trim B154C
	1587B	17217	1st Layer		Paint - Brown						1st Floor	Hallway	Paint	Brown	Door Trim B155
	1588B	17218	1st Layer		Paint - White	Trace					1st Floor	B154A	Paint	Off White	On Cinderblock
	1589B	17219	1st Layer		Paint - White	Trace					1st Floor	B154A	Paint	Off White	On Cinderblock
	1590B	17220	1st Layer		Paint - White						1st Floor	B154A	Paint	Off White	On Cinderblock
	1591B	17221	1st Layer		Paint - Baby Blue						1st Floor	B154A	Paint	Lt. Blue	On Cinderblock
	1592B	17222	1st Layer		Paint - Baby Blue						1st Floor	B154A	Paint	Lt. Blue	On Cinderblock
	1593B	17223	1st Layer		Paint - Baby Blue						1st Floor	B154A	Paint	Lt. Blue	On Cinderblock
	1594B	17224	1st Layer		Paint - White	Trace					1st Floor	B161	Paint	White	On Plaster
	1595B	17225	1st Layer		Paint - White	Trace					1st Floor	B161	Paint	White	On Plaster
	1596B	17226	1st Layer		Paint - White	Trace					1st Floor	B161	Paint	White	On Plaster
	1597B	17227	1st Layer		Paint - Navy Blue	Trace					1st Floor	B161	Paint	Blue	On Plaster
	1598B	17228	1st Layer		Paint - Navy Blue	Trace					1st Floor	B161	Paint	Blue	On Plaster
	1599B	17229	1st Layer		Paint - Navy Blue	Trace					1st Floor	B161	Paint	Blue	On Plaster
	1600B	17230	1st Layer		Paint - Drk. Beige						1st Floor	B163	Paint	Pink/White	On Wood
	1601B	17231	1st Layer		Paint - Drk. Beige						1st Floor	B163	Paint	Pink/White	On Wood
	1602B	17232	1st Layer		Paint - Drk. Beige						1st Floor	B163	Paint	Pink/White	On Wood
	1603B	17233	1st Layer		Paint - Peach	Trace					1st Floor	B171	Paint	Pink	Over Wallpaper
	1604B	17234	1st Layer		Paint - Peach	Trace					1st Floor	B171	Paint	Pink	Over Sheetrock
	1605B	17235	1st Layer		Paint - Peach						1st Floor	B171	Paint	Pink	Over Wallpaper
	1606B	17236	1st Layer		Paint - Multi Brown						1st Floor	Hallway	Paint	Brown	Door Frame B170
	1607B	17237	1st Layer		Paint - Multi Brown						1st Floor	Hallway	Paint	Brown	Door Frame B168
	1608B	17238	1st Layer		Paint - Multi Brown						1st Floor	Hallway	Paint	Brown	Door Frame B174
	1609B	17239	1st Layer		Paint - Drk. Beige	Trace					1st Floor	B173	Paint	Rust	On Plaster
	1610B	17240	1st Layer		Paint - Drk. Beige	Trace					1st Floor	B173A	Paint	Rust	On Plaster
	1611B	17241	1st Layer		Paint - Drk. Beige	Trace					1st Floor	B173A	Paint	Rust	On Plaster
	1612B	17242	1st Layer		Paint - Taupe						1st Floor	Hallway	Paint	Lt. Tan	On Plaster
	1613B	17243	1st Layer		Paint - Taupe						1st Floor	Hallway	Paint	Lt. Tan	Over Sheetrock
	1614B	17244	1st Layer		Paint - Taupe						1st Floor	Hallway	Paint	Lt. Tan	On Plaster
	1615B	17245	1st Layer		Paint - Beige	Trace					1st Floor	Hallway	Paint	Lt. Tan	On Plaster
	1616B	17246	1st Layer		Paint - Beige	Trace					1st Floor	Hallway	Paint	Lt. Tan	On Plaster
	1617B	17247	1st Layer		Paint - Beige	Trace					1st Floor	B168	Paint	Tan	Over Wallpaper
	1618B	17248	1st Layer		Paint - Tan	Trace					1st Floor	B168	Paint	Tan	Over Wallpaper
	1619B	17249	1st Layer		Paint - Tan	Trace					1st Floor	B168	Paint	Tan	Over Wallpaper
	1620B	17250	1st Layer		Paint - Tan	Trace					1st Floor	B172A	Putty	White	On Wood
	1621B	17251	1st Layer		Paint - Tan						1st Floor	B172A	Putty	White	On Plaster
	1622B	17252	1st Layer		Paint - Tan						1st Floor	B172A	Putty	White	On Wood
	1623B	17253	1st Layer		Paint - Tan						1st Floor	B149	Paint	Salmon	On Sheetrock
	1624B	17254	1st Layer		Paint - Tan						1st Floor	B152	Paint	Salmon	On Sheetrock
	1625B	17255	1st Layer		Paint - Tan						1st Floor	B149	Paint	Salmon	On Plaster
	1626B	17256	1st Layer		Paint - Tan						1st Floor	B149	Paint	Salmon	On Plaster
	1627B	17257	1st Layer		Paint - Tan						1st Floor	B149	Paint	Salmon	On Plaster
	1628B	17258	1st Layer		Paint - Gray/Green						1st Floor	B150	Paint	Blue/Green	On Plaster
	1629B	17259	1st Layer		Paint - Gray/Green						1st Floor	B150	Paint	Blue/Green	On Plaster

	A	B	C	D	E	F Everything	H	I	J	
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1630	B	17260	1st Layer	Paint - Gray/Green	0	1st Floor	B150	Paint	Blue/Green	On Plaster
1631	B	17261	1st Layer	Paint - Olive Green	Trace	1st Floor	B146	Paint	Green	On Plaster
1632	B	17262	1st Layer	Paint - Olive Green	Trace	1st Floor	B146	Paint	Green	On Plaster
1633	B	17263	1st Layer	Paint - Olive Green	Trace	1st Floor	B146	Paint	Green	On Plaster
1634	B	17264	1st Layer	Paint - Golden Yellow	0	1st Floor	B147G	Paint	Dark Yellow	On Plaster
1635	B	17265	1st Layer	Paint - Golden Yellow	0	1st Floor	B147G	Paint	Dark Yellow	On Sheetrock
1636	B	17265	2nd Layer	Bulk	Trace	1st Floor	B147G	Paint	Dark Yellow	On Sheetrock
1637	B	17265	3rd Layer	Paper Backing		1st Floor	B147G	Paint	Dark Yellow	On Sheetrock
1638	B	17266	1st Layer	Paint - Golden Yellow	0	1st Floor	B147F	Paint	Dark Yellow	On Sheetrock
1639	B	17266	2nd Layer	Bulk	0	1st Floor	B147F	Paint	Dark Yellow	On Sheetrock
1640	B	17266	3rd Layer	Paper Backing	0	1st Floor	B147F	Paint	Dark Yellow	On Sheetrock
1641	B	17267	1st Layer	Paint - Golden Yellow	0	1st Floor	B147E	Paint	Gray	On Sheetrock
1642	B	17267	2nd Layer	Bulk	0	1st Floor	B147E	Paint	Gray	On Sheetrock
1643	B	17267	3rd Layer	Paper Backing	0	1st Floor	B147E	Paint	Gray	On Sheetrock
1644	B	17268	1st Layer	Paint - Golden Yellow	0	1st Floor	B147	Paint	Gray	On Sheetrock
1645	B	17268	2nd Layer	Bulk	0	1st Floor	B147	Paint	Gray	On Sheetrock
1646	B	17268	3rd Layer	Paper Backing	0	1st Floor	B147	Paint	Gray	On Sheetrock
1647	B	17269	1st Layer	Paint - Golden Yellow	0	1st Floor	B147	Paint	Gray	On Plaster
1648	B	17269	2nd Layer	Bulk	0	1st Floor	B147	Paint	Gray	On Plaster
1649	B	17269	3rd Layer	Paper Backing	0	1st Floor	B147	Paint	Gray	On Plaster
1650	B	17270	1st Layer	Paint - Burgandy	0	1st Floor	B147	Paint	Burgandy	On Plaster
1651	B	17270	2nd Layer	Bulk	0	1st Floor	B147	Paint	Burgandy	On Plaster
1652	B	17270	3rd Layer	Paper Backing	0	1st Floor	B147	Paint	Burgandy	On Plaster
1653	B	17271	1st Layer	Paint - Burgandy	0	1st Floor	B147	Paint	Burgandy	On Sheetrock
1654	B	17271	2nd Layer	Bulk	0	1st Floor	B147	Paint	Burgandy	On Sheetrock
1655	B	17271	3rd Layer	Paper Backing	0	1st Floor	B147	Paint	Burgandy	On Sheetrock
1656	B	17272	1st Layer	Paint - Burgandy	0	1st Floor	B147	Paint	Burgandy	On Plaster
1657	B	17272	2nd Layer	Bulk	0	1st Floor	B147	Paint	Burgandy	On Plaster
1658	B	17272	3rd Layer	Paper Backing	0	1st Floor	B147	Paint	Burgandy	On Plaster
1659	B	17273	1st Layer	Paint - Green	Trace	1st Floor	B147E	Paint	Green	On Marble Countertop
1660	B	17274	1st Layer	Paint - Green	Trace	1st Floor	B147E	Paint	Green	On Marble Countertop
1661	B	17275	1st Layer	Paint - Green	Trace	1st Floor	B147E	Paint	Green	On Marble Countertop
1662	B	17276	1st Layer	Paint - Lt. Green	Trace	1st Floor	B155A	Paint	Lt. Green	On Cinderblock
1663	B	17277	1st Layer	Paint - Lt. Green	0	1st Floor	B155A	Paint	Lt. Green	On Cinderblock
1664	B	17278	1st Layer	Paint - Lt. Green	Trace	1st Floor	B155A	Paint	Lt. Green	On Cinderblock
1665	B	17279	1st Layer	Paint - Gray/Green	0	1st Floor	B155K	Paint	Ash	Door Trim
1666	B	17280	1st Layer	Paint - Gray/Green	0	1st Floor	B155K	Paint	Ash	Door Trim
1667	B	17281	1st Layer	Paint - Gray/Green	0	1st Floor	B155K	Paint	Ash	Door Trim
1668	B	17282	1st Layer	Paint - White	0	1st Floor	B155B	Paint	White	Door Trim
1669	B	17283	1st Layer	Paint - White	0	1st Floor	B155B	Paint	White	Door Trim
1670	B	17284	1st Layer	Paint - White	0	1st Floor	B155B	Paint	White	Door Trim
1671	B	17285	1st Layer	Paint - Off White	0	1st Floor	Hallway	Paint	Off-White	Left of B180
1672	B	17286	1st Layer	Paint - Off White	0	1st Floor	B180	Paint	Off-White	
1673	B	17287	1st Layer	Paint - Off White	0	1st Floor	B180	Paint	Off-White	

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	1674	B	17288	Paint - Teal	0	1st Floor	Hallway	Paint	Blue/Green	Window sill leading outside
	1675	B	17289	Paint - Teal	0	1st Floor	Hallway	Paint	Blue/Green	Ceiling adjacent of double doors
	1676	B	17290	Paint - Teal	0	1st Floor	Hallway	Paint	Blue/Green	Opposite double doors
	1677	B	17291	Paint - Yellow	0	1st Floor	Hallway	Paint	Lt. Yellow	btw B181 and double door
	1678	B	17292	Paint - Yellow	0	1st Floor	Hallway	Paint	Lt. Yellow	Wall Outside & Adjacent to 181
	1679	B	17293	Paint - Yellow	0	1st Floor	Hallway	Paint	Lt. Yellow	Opposite B181
	1680	B	17294	Carpet - Brown	0	1st Floor	B180	Carpet	Ash	By door frame
	1681	B	17295	Carpet - Brown	0	1st Floor	B180	Carpet	Ash	Corner
	1682	B	17296	Carpet - Brown	0	1st Floor	B180	Carpet	Ash	front of window
	1683	B	17297	Baseboard - Green	0	1st Floor	Hallway	Base Mouldin	Green	Adjacent B180
	1684	B	17297	Mastic - Yellow	0	1st Floor	Hallway	Base Mouldin	Green	Adjacent B180
	1685	B	17298	Baseboard - Green	0	1st Floor	Hallway	Base Mouldin	Green	Left of B181
	1686	B	17298	Mastic - Yellow	0	1st Floor	Hallway	Base Mouldin	Green	Left of B181
	1687	B	17299	Baseboard - Green	0	1st Floor	Hallway	Base Mouldin	Green	Wall by Double Doors
	1688	B	17299	Mastic - Yellow	0	1st Floor	Hallway	Base Mouldin	Green	Wall by Double Doors
	1689	B	17300	Wallpaper	0	1st Floor	Entrance	Wallpaper	Tan	
	1690	B	17301	Wallpaper	0	1st Floor	Entrance	Wallpaper	Tan	
	1691	B	17302	Wallpaper	0	1st Floor	Entrance	Wallpaper	Tan	
	1692	B	17303	Ceramic Tile 4X4 - Yellow	10	1st Floor	Hallway	Ceramic Tile	Yellow	4X4 B154A
	1693	B	17303	Mastic - ???	10	1st Floor	Hallway	Ceramic Tile	Yellow	4X4 B154A
	1694	B	17304	Ceramic Tile 4X4 - Yellow	10	1st Floor	Hallway	Ceramic Tile	Yellow	4X4 Adjacent B149
	1695	B	17304	Mastic - ???	10	1st Floor	Hallway	Ceramic Tile	Yellow	4X4 Adjacent B149
	1696	B	17305	Ceramic Tile 4X4 - Yellow	10	1st Floor	Hallway	Ceramic Tile	Yellow	4X4 Across from B147
	1697	B	17305	Mastic - ???	10	1st Floor	Hallway	Ceramic Tile	Yellow	4X4 Across from B147
	1698	B	17306	Ceramic Tile 4X4 - Tan	20	1st Floor	B167-B1	Ceramic Tile	Peach w/specks	4X4 btw B167 & B168
	1699	B	17306	Mastic - Yellow	10	1st Floor	B167-B1	Ceramic Tile	Peach w/specks	4X4 btw B167 & B168
	1700	B	17307	Ceramic Tile 4X4 - Tan	20	1st Floor	B167-B1	Ceramic Tile	Peach w/specks	4X4 btw B168 & B168A
	1701	B	17307	Mastic - Yellow	10	1st Floor	B167-B1	Ceramic Tile	Peach w/specks	4X4 btw B168 & B168A
	1702	B	17308	Ceramic Tile 4X4 - Tan	25	1st Floor	B167-B1	Ceramic Tile	Peach w/specks	4X4 Left of B171
	1703	B	17308	Mastic - Yellow	10	1st Floor	B167-B1	Ceramic Tile	Peach w/specks	4X4 Left of B171
	1704	B	17309	Ceramic Tile 4X4 - Tan	20	1st Floor	B167-B1	Ceramic Tile	Orange w/specks	4X4 btw B171 & B172
	1705	B	17309	Mastic - Yellow	10	1st Floor	B167-B1	Ceramic Tile	Orange w/specks	4X4 btw B171 & B172
	1706	B	17310	Ceramic Tile 4X4 - Tan	25	1st Floor	B167-B1	Ceramic Tile	Orange w/specks	4X4 B172
	1707	B	17310	Mastic - Yellow	10	1st Floor	B167-B1	Ceramic Tile	Orange w/specks	4X4 B172
	1708	B	17311	Ceramic Tile 4X4 - Tan	20	1st Floor	B167-B1	Ceramic Tile	Orange w/specks	4X4 B173
	1709	B	17311	Mastic - Yellow	10	1st Floor	B167-B1	Ceramic Tile	Orange w/specks	4X4 B173
	1710	B	17312	Ceramic Tile 4X4 - Cop	10	1st Floor	B169	Ceramic Tile	Brown	2X6
	1711	B	17312	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Brown	2X6
	1712	B	17313	Ceramic Tile 4X4 - Cop	10	1st Floor	B169	Ceramic Tile	Brown	2X6
	1713	B	17313	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Brown	2X6
	1714	B	17314	Ceramic Tile 4X4 - Cop	10	1st Floor	B169	Ceramic Tile	Brown	2X6
	1715	B	17314	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Brown	2X6
	1716	B	17315	Ceramic Tile 4X4 - Bisc	10	1st Floor	B169	Ceramic Tile	Pink	4X4
	1717	B	17315	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Pink	4X4

	A	B	C	D	E	F Everything	H	I	J		
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description	
1	1718	B	17316	1st Layer	Ceramic Tile 4X4 - Bisc	10	1st Floor	B169	Ceramic Tile	Pink	4X4
	1719	B	17316	2nd Layer	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Pink	4X4
	1720	B	17317	1st Layer	Ceramic Tile 4X4 - Bisc	10	1st Floor	B169	Ceramic Tile	Pink	4X4
	1721	B	17317	2nd Layer	Mastic - Yellow	10	1st Floor	B169	Ceramic Tile	Pink	4X4
	1722	B	17318	1st Layer	Ceramic Tile 4X4 - Black	30	1st Floor	B171	Ceramic Tile	Black	2X6
	1723	B	17318	2nd Layer	Mastic - Yellow	10	1st Floor	B171	Ceramic Tile	Black	2X6
	1724	B	17319	1st Layer	Ceramic Tile 4X4 - Black	30	1st Floor	B171	Ceramic Tile	Black	2X6
	1725	B	17319	2nd Layer	Mastic - Yellow	10	1st Floor	B171	Ceramic Tile	Black	2X6
	1726	B	17320	1st Layer	Ceramic Tile 4X4 - Black	30	1st Floor	B171A	Ceramic Tile	Black	2X6
	1727	B	17320	2nd Layer	Mastic - Yellow	10	1st Floor	B171A	Ceramic Tile	Black	2X6
	1728	B	17321	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B171	Ceramic Tile	White w/ Black sp	4X4
	1729	B	17321	2nd Layer	Mastic - Yellow	10	1st Floor	B171	Ceramic Tile	White w/ Black sp	4X4
	1730	B	17322	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B171	Ceramic Tile	White w/ Black sp	4X4
	1731	B	17322	2nd Layer	Mastic - Yellow	10	1st Floor	B171	Ceramic Tile	White w/ Black sp	4X4
	1732	B	17323	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B171A	Ceramic Tile	White w/ Black sp	4X4
	1733	B	17323	2nd Layer	Mastic - Yellow	10	1st Floor	B171A	Ceramic Tile	White w/ Black sp	4X4
	1734	B	17324	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B172	Ceramic Tile	White w/ Brown s	4X6
	1735	B	17324	2nd Layer	Mastic - Yellow	10	1st Floor	B172	Ceramic Tile	White w/ Brown s	4X6
	1736	B	17325	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B172	Ceramic Tile	White w/ Brown s	4X6
	1737	B	17325	2nd Layer	Mastic - Yellow	10	1st Floor	B172	Ceramic Tile	White w/ Brown s	4X6
	1738	B	17326	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B172	Ceramic Tile	White w/ Brown s	4X6
	1739	B	17326	2nd Layer	Mastic - Yellow	10	1st Floor	B172	Ceramic Tile	White w/ Brown s	4X6
	1740	B	17327	1st Layer	Ceramic Tile 4X4 - Yellow	20	1st Floor	B155C	Ceramic Tile	Yellow	4X6
	1741	B	17327	2nd Layer	Mastic - Yellow	10	1st Floor	B155C	Ceramic Tile	Yellow	4X6
	1742	B	17328	1st Layer	Ceramic Tile 4X4 - Yellow	20	1st Floor	B155D	Ceramic Tile	Yellow	4X6
	1743	B	17328	2nd Layer	Mastic - Yellow	10	1st Floor	B155D	Ceramic Tile	Yellow	4X6
	1744	B	17329	1st Layer	Ceramic Tile 4X4 - Yellow	20	1st Floor	B155C	Ceramic Tile	Yellow	4X6
	1745	B	17329	2nd Layer	Mastic - Yellow	10	1st Floor	B155C	Ceramic Tile	Yellow	4X6
	1746	B	17330	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B155B	Ceramic Tile	White	2X6
	1747	B	17330	2nd Layer	Mastic - Gray	Trace	1st Floor	B155B	Ceramic Tile	White	2X6
	1748	B	17331	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B155B	Ceramic Tile	White	2X6
	1749	B	17331	2nd Layer	Mastic - Gray	Trace	1st Floor	B155B	Ceramic Tile	White	2X6
	1750	B	17332	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B155B	Ceramic Tile	White	2X6
	1751	B	17332	2nd Layer	Mastic - Gray	Trace	1st Floor	B155B	Ceramic Tile	White	2X6
	1752	B	17333	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B155B	Ceramic Tile	White	4X4
	1753	B	17333	2nd Layer	Mastic - Gray	10	1st Floor	B155B	Ceramic Tile	White	4X4
	1754	B	17334	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B155B	Ceramic Tile	White	4X4
	1755	B	17334	2nd Layer	Mastic - Gray	10	1st Floor	B155B	Ceramic Tile	White	4X4
	1756	B	17335	1st Layer	Ceramic Tile 4X4 - White	10	1st Floor	B155B	Ceramic Tile	White	4X4
	1757	B	17335	2nd Layer	Mastic - Gray	10	1st Floor	B155B	Ceramic Tile	White	4X4
	1758	B	17336	1st Layer	Ceramic Tile 4X4 - White	20	1st Floor	B155F	Ceramic Tile	White	4X4
	1759	B	17336	2nd Layer	Mastic - Gray	10	1st Floor	B155F	Ceramic Tile	White	4X4
	1760	B	17337	1st Layer	Ceramic Tile 4X4 - White	20	1st Floor	B155F	Ceramic Tile	White	4X4
	1761	B	17337	2nd Layer	Mastic - Gray	10	1st Floor	B155F	Ceramic Tile	White	4X4

	A	B	C	D	E		F Everything		H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color		Field Description	
1	1762	17338	1st Layer	Ceramic Tile 4X4 - Hav	15	1st Floor	B153	Ceramic Tile	Dark Yellow		4X4	
	1763	17338	2nd Layer	Mastic - ???	Trace	1st Floor	B153	Ceramic Tile	Dark Yellow		4X4	
	1764	17339	1st Layer	Ceramic Tile 4X4 - Hav	10	1st Floor	B153	Ceramic Tile	Dark Yellow		4X4	
	1765	17339	2nd Layer	Mastic - ???	Trace	1st Floor	B153	Ceramic Tile	Dark Yellow		4X4	
	1766	17340	1st Layer	Ceramic Tile 4X4 - Hav	10	1st Floor	B153	Ceramic Tile	Dark Yellow		4X4	
	1767	17340	2nd Layer	Mastic - ???	Trace	1st Floor	B153	Ceramic Tile	Dark Yellow		4X4	
	1768	17341	1st Layer	Floor Tile 12X12 - White	0	1st Floor	Hallway	Vinyl Tile	White & Brown		12X12 Under big window	
	1769	17341	2nd Layer	Mastic - Black	30	1st Floor	Hallway	Vinyl Tile	White & Brown		12X12 Under big window	
	1770	17342	1st Layer	Floor Tile 12X12 - White	0	1st Floor	Hallway	Vinyl Tile	White & Brown		12X12 Under big window	
	1771	17342	2nd Layer	Mastic - Black	20	1st Floor	Hallway	Vinyl Tile	White & Brown		12X12 Under big window	
	1772	17343	1st Layer	Floor Tile 12X12 - White	Trace	1st Floor	Hallway	Vinyl Tile	White & Brown		12X12 Under big window	
	1773	17343	2nd Layer	Mastic - Black	30	1st Floor	Hallway	Vinyl Tile	White & Brown		12X12 Under big window	
	1774	17344	1st Layer	Floor Tile 12X12 - Crea	0	1st Floor	Stairwell	Vinyl Tile	Off-White & Gray		12X12 Inside entrance	
	1775	17344	2nd Layer	Mastic - Black	20	1st Floor	Stairwell	Vinyl Tile	Off-White & Gray		12X12 Inside entrance	
	1776	17345	1st Layer	Floor Tile 12X12 - Crea	0	1st Floor	Stairwell	Vinyl Tile	Off-White & Gray		12X12 Inside entrance	
	1777	17345	2nd Layer	Mastic - Black	20	1st Floor	Stairwell	Vinyl Tile	Off-White & Gray		12X12 Inside entrance	
	1778	17346	1st Layer	Floor Tile 12X12 - Crea	0	1st Floor	Stairwell	Vinyl Tile	Off-White & Gray		12X12 Inside entrance	
	1779	17346	2nd Layer	Mastic - Black	20	1st Floor	Stairwell	Vinyl Tile	Off-White & Gray		12X12 Inside entrance	
	1780	17347	1st Layer	Floor Tile 12X12 - Tan/	0	1st Floor	Stairwell	Vinyl Tile	Brown, Gray&White		12X12 Inside entrance	
	1781	17347	2nd Layer	Mastic - Black	30	1st Floor	Stairwell	Vinyl Tile	Brown, Gray&White		12X12 Inside entrance	
	1782	17348	1st Layer	Floor Tile 12X12 - Tan/	0	1st Floor	Stairwell	Vinyl Tile	Brown, Gray&White		12X12 Inside entrance	
	1783	17348	2nd Layer	Mastic - Black	15	1st Floor	Stairwell	Vinyl Tile	Brown, Gray&White		12X12 Inside entrance	
	1784	17349	1st Layer	Floor Tile 12X12 - Tan/	0	1st Floor	Stairwell	Vinyl Tile	Brown, Gray&White		12X12 Inside entrance	
	1785	17349	2nd Layer	Mastic - Black	20	1st Floor	Stairwell	Vinyl Tile	Brown, Gray&White		12X12 Inside entrance	
	1786	17350	1st Layer	Floor Tile 12X12 - Olive	0	1st Floor	Hallway	Vinyl Tile	Green & Gray		btw B160 & Elevator	
	1787	17350	2nd Layer	Mastic - Black	20	1st Floor	Hallway	Vinyl Tile	Green & Gray		btw B160 & Elevator	
	1788	17351	1st Layer	Floor Tile 12X12 - Olive	0	1st Floor	Hallway	Vinyl Tile	Green & Gray		right of B154A	
	1789	17351	2nd Layer	Mastic - Black	20	1st Floor	Hallway	Vinyl Tile	Green & Gray		right of B154A	
	1790	17352	1st Layer	Floor Tile 12X12 - Olive	0	1st Floor	Hallway	Vinyl Tile	Green & Gray		Across from B154C	
	1791	17352	2nd Layer	Mastic - Black	15	1st Floor	Hallway	Vinyl Tile	Green & Gray		Across from B154C	
	1792	17353	1st Layer	Floor Tile - White	0	1st Floor	Hallway	Vinyl Tile	White w/brown		12X12 - Front of 146	
	1793	17353	2nd Layer	Mastic - Black	20	1st Floor	Hallway	Vinyl Tile	White w/brown		12X12 - Front of 146	
	1794	17354	1st Layer	Floor Tile - White	0	1st Floor	Hallway	Vinyl Tile	White w/brown		12X12 - Front of 148	
	1795	17354	2nd Layer	Mastic - Black	15	1st Floor	Hallway	Vinyl Tile	White w/brown		12X12 - Front of 148	
	1796	17355	1st Layer	Floor Tile - White	0	1st Floor	Hallway	Vinyl Tile	White w/brown		12X12 - by 160	
	1797	17355	2nd Layer	Mastic - Black	20	1st Floor	Hallway	Vinyl Tile	White w/brown		12X12 - by 160	
	1798	17356	1st Layer	Floor Tile - Tan	0	1st Floor	B165	Vinyl Tile	Tan		12X12	
	1799	17356	2nd Layer	Mastic - Black	30	1st Floor	B165	Vinyl Tile	Tan		12X12	
	1800	17357	1st Layer	Floor Tile - Tan	0	1st Floor	B165	Vinyl Tile	Tan		12X12	
	1801	17357	2nd Layer	Mastic - Black	30	1st Floor	B165	Vinyl Tile	Tan		12X12	
	1802	17358	1st Layer	Floor Tile - Tan	0	1st Floor	B165	Vinyl Tile	Tan		12X12	
	1803	17358	2nd Layer	Mastic - Black	30	1st Floor	B165	Vinyl Tile	Tan		12X12	
	1804	17359	1st Layer	Floor Tile - White	0	1st Floor	B167	Vinyl Tile	Lt. Green		12X12	
	1805	17359	2nd Layer	Mastic - Black	60	1st Floor	B167	Vinyl Tile	Lt. Green		12X12	

	A	B	C	D	E	F	H	I	J	
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1806	B	17360	1st Layer	Floor Tile - White	0	1st Floor	B167	Vinyl Tile	Lt. Green	12X12
1807	B	17360	2nd Layer	Mastic - Black	60	1st Floor	B167	Vinyl Tile	Lt. Green	12X12
1808	B	17361	1st Layer	Floor Tile - White	0	1st Floor	B167	Vinyl Tile	Lt. Green	12X12
1809	B	17361	2nd Layer	Mastic - Black	40	1st Floor	B167	Vinyl Tile	Lt. Green	12X12
1810	B	17362	1st Layer	Floor Tile - Tan	10	1st Floor	B170	Vinyl Tile	Brown	9X9
1811	B	17362	2nd Layer	Mastic - Dark	20	1st Floor	B170	Vinyl Tile	Brown	9X9
1812	B	17363	1st Layer	Floor Tile - Tan	10	1st Floor	B170	Vinyl Tile	Brown	9X9
1813	B	17363	2nd Layer	Mastic - Dark	10	1st Floor	B170	Vinyl Tile	Brown	9X9
1814	B	17364	1st Layer	Floor Tile - Tan	10	1st Floor	B170	Vinyl Tile	Brown	9X9
1815	B	17364	2nd Layer	Mastic - Dark	20	1st Floor	B170	Vinyl Tile	Brown	9X9
1816	B	17365	1st Layer	Floor Tile - Tan	20	1st Floor	B172A	Vinyl Tile	Yellow	9X9
1817	B	17365	2nd Layer	Mastic - Dark	20	1st Floor	B172A	Vinyl Tile	Yellow	9X9
1818	B	17366	1st Layer	Floor Tile - Tan	10	1st Floor	B172A	Vinyl Tile	Yellow	9X9
1819	B	17366	2nd Layer	Mastic - Dark	10	1st Floor	B172A	Vinyl Tile	Yellow	9X9
1820	B	17367	1st Layer	Floor Tile - Tan	20	1st Floor	B172A	Vinyl Tile	Yellow	9X9
1821	B	17367	2nd Layer	Mastic - Dark	10	1st Floor	B172A	Vinyl Tile	Yellow	9X9
1822	B	17368	1st Layer	Floor Tile - Blue	0	1st Floor	B147G	Vinyl Tile	Blue	12X12
1823	B	17368	2nd Layer	Mastic - Black	30	1st Floor	B147G	Vinyl Tile	Blue	12X12
1824	B	17369	1st Layer	Floor Tile - Blue	0	1st Floor	B147G	Vinyl Tile	Blue	12X12
1825	B	17369	2nd Layer	Mastic - Black	30	1st Floor	B147G	Vinyl Tile	Blue	12X12
1826	B	17370	1st Layer	Floor Tile - Blue	0	1st Floor	B147E	Vinyl Tile	Blue	12X12
1827	B	17370	2nd Layer	Mastic - Black	40	1st Floor	B147E	Vinyl Tile	Blue	12X12
1828	B	17371	1st Layer	Baseboard - Brown	0	1st Floor	Hallway	Moulding	Brown	Right of 155
1829	B	17371	2nd Layer	Mastic - Yellow	0	1st Floor	Hallway	Moulding	Brown	Right of 155
1830	B	17372	1st Layer	Baseboard - Brown	0	1st Floor	B155	Moulding	Brown	
1831	B	17372	2nd Layer	Mastic - Yellow	0	1st Floor	B155	Moulding	Brown	
1832	B	17373	1st Layer	Baseboard - Brown	0	1st Floor	B155	Moulding	Brown	
1833	B	17373	2nd Layer	Mastic - Yellow	0	1st Floor	B155	Moulding	Brown	
1834	B	17374	1st Layer	Baseboard - Yellow	Trace	1st Floor	B160	Moulding	Yellow	
1835	B	17374	2nd Layer	Mastic - Brown	0	1st Floor	B160	Moulding	Yellow	
1836	B	17375	1st Layer	Baseboard - Yellow	Trace	1st Floor	B160	Moulding	Yellow	
1837	B	17375	2nd Layer	Mastic - Brown	0	1st Floor	B160	Moulding	Yellow	
1838	B	17376	1st Layer	Baseboard - Yellow	Trace	1st Floor	B160	Moulding	Yellow	
1839	B	17376	2nd Layer	Mastic - Brown	0	1st Floor	B160	Moulding	Yellow	
1840	B	17377	1st Layer	Baseboard - White	0	1st Floor	B161	Moulding	White	
1841	B	17377	2nd Layer	Mastic - Brown	0	1st Floor	B161	Moulding	White	
1842	B	17378	1st Layer	Baseboard - White	0	1st Floor	B161	Moulding	White	
1843	B	17378	2nd Layer	Mastic - Brown	0	1st Floor	B161	Moulding	White	
1844	B	17379	1st Layer	Baseboard - White	0	1st Floor	B161	Moulding	White	
1845	B	17379	2nd Layer	Mastic - Brown	0	1st Floor	B161	Moulding	White	
1846	B	17380	1st Layer	Baseboard Wood - Yell	0	1st Floor	B160	Baseboard	Yellow	
1847	B	17381	1st Layer	Baseboard Wood - Yell	0	1st Floor	B160	Baseboard	Yellow	
1848	B	17382	1st Layer	Baseboard Wood - Yell	0	1st Floor	B160	Baseboard	Yellow	
1849	B	17383	1st Layer	Baseboard - Brown	0	1st Floor	B168	Moulding	Gray	

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1									
1850	B	17383	2nd Layer	Mastic - Yellow	0	1st Floor	B168	Moulding	Gray
1851	B	17384	1st Layer	Baseboard - Brown	0	1st Floor	B168	Moulding	Gray
1852	B	17384	2nd Layer	Mastic - Yellow	0	1st Floor	B168	Moulding	Gray
1853	B	17385	1st Layer	Baseboard - Brown	0	1st Floor	B168	Moulding	Gray
1854	B	17385	2nd Layer	Mastic - Yellow	0	1st Floor	B168	Moulding	Gray
1855	B	17386	1st Layer	Baseboard - Brown	0	1st Floor	B169	Moulding	Beige
1856	B	17386	2nd Layer	Paint - Yellow	0	1st Floor	B169	Moulding	Beige
1857	B	17386	3rd Layer	Mastic - Yellow	0	1st Floor	B169	Moulding	Beige
1858	B	17387	1st Layer	Baseboard - Brown	0	1st Floor	B169	Moulding	Beige
1859	B	17387	2nd Layer	Paint - Yellow	0	1st Floor	B169	Moulding	Beige
1860	B	17387	3rd Layer	Mastic - Yellow	0	1st Floor	B169	Moulding	Beige
1861	B	17388	1st Layer	Baseboard - Brown	0	1st Floor	B169	Moulding	Beige
1862	B	17388	2nd Layer	Paint - Yellow	0	1st Floor	B169	Moulding	Beige
1863	B	17388	3rd Layer	Mastic - Yellow	0	1st Floor	B171	Vinyl Mouldin	Pink
1864	B	17389	1st Layer	Baseboard - Brown	0	1st Floor	B171	Vinyl Mouldin	Pink
1865	B	17389	2nd Layer	Paint - Pink	0	1st Floor	B171	Vinyl Mouldin	Pink
1866	B	17389	3rd Layer	Mastic - Yellow	0	1st Floor	B171	Vinyl Mouldin	Pink
1867	B	17390	1st Layer	Baseboard - Brown	0	1st Floor	B171	Vinyl Mouldin	Pink
1868	B	17390	2nd Layer	Paint - Pink	0	1st Floor	B171	Vinyl Mouldin	Pink
1869	B	17390	3rd Layer	Mastic - Yellow	0	1st Floor	B171	Vinyl Mouldin	Pink
1870	B	17391	1st Layer	Baseboard - Brown	0	1st Floor	B171	Vinyl Mouldin	Pink
1871	B	17391	2nd Layer	Paint - Pink	0	1st Floor	B171	Vinyl Mouldin	Pink
1872	B	17391	3rd Layer	Mastic - Yellow	0	1st Floor	B171	Vinyl Mouldin	Pink
1873	B	17392	1st Layer	Baseboard - Green	0	1st Floor	B173	Vinyl Mouldin	Rust
1874	B	17392	2nd Layer	Paint - Pink	0	1st Floor	B173	Vinyl Mouldin	Rust
1875	B	17392	3rd Layer	Mastic - Dark	10	1st Floor	B173	Vinyl Mouldin	Rust
1876	B	17393	1st Layer	Baseboard - Green	0	1st Floor	B173A	Vinyl Mouldin	Rust
1877	B	17393	2nd Layer	Paint - Pink	0	1st Floor	B173A	Vinyl Mouldin	Rust
1878	B	17393	3rd Layer	Mastic - Dark	10	1st Floor	B173A	Vinyl Mouldin	Rust
1879	B	17394	1st Layer	Baseboard - Green	0	1st Floor	B173A	Vinyl Mouldin	Rust
1880	B	17394	2nd Layer	Paint - Pink	0	1st Floor	B173A	Vinyl Mouldin	Rust
1881	B	17394	3rd Layer	Mastic - Dark	10	1st Floor	B173A	Vinyl Mouldin	Rust
1882	B	17395	1st Layer	Baseboard - Brown	0	1st Floor	B150	Vinyl Mouldin	Green
1883	B	17395	2nd Layer	Paint - Green	0	1st Floor	B150	Vinyl Mouldin	Green
1884	B	17395	3rd Layer	Mastic - Yellow	0	1st Floor	B150	Vinyl Mouldin	Green
1885	B	17396	1st Layer	Baseboard - Brown	0	1st Floor	B150	Vinyl Mouldin	Green
1886	B	17396	2nd Layer	Paint - Green	0	1st Floor	B150	Vinyl Mouldin	Green
1887	B	17396	3rd Layer	Mastic - Yellow	0	1st Floor	B150	Vinyl Mouldin	Green
1888	B	17397	1st Layer	Baseboard - Brown	0	1st Floor	B150	Vinyl Mouldin	Green
1889	B	17397	2nd Layer	Paint - Green	0	1st Floor	B150	Vinyl Mouldin	Green
1890	B	17397	3rd Layer	Mastic - Yellow	0	1st Floor	B150	Vinyl Mouldin	Green
1891	B	17398	1st Layer	Baseboard - Gray	0	1st Floor	B140	Vinyl Mouldin	Black
1892	B	17398	2nd Layer	Paint - Black	0	1st Floor	B140	Vinyl Mouldin	Black
1893	B	17398	3rd Layer	Mastic - Yellow	0	1st Floor	B140	Vinyl Mouldin	Black

	A	B	C	D	E	F	G	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1894	B	17399	1st Layer	Baseboard - Gray		0 1st Floor	B140	Vinyl Mouldin	Black	
1895	B	17399	2nd Layer	Paint - Black		0 1st Floor	B140	Vinyl Mouldin	Black	
1896	B	17399	3rd Layer	Mastic - Yellow		0 1st Floor	B140	Vinyl Mouldin	Black	
1897	B	17400	1st Layer	Baseboard - Gray		0 1st Floor	B140	Vinyl Mouldin	Black	
1898	B	17400	2nd Layer	Paint - Black		0 1st Floor	B140	Vinyl Mouldin	Black	
1899	B	17400	3rd Layer	Mastic - Yellow		0 1st Floor	B140	Vinyl Mouldin	Black	
1900	B	17401	1st Layer	Paint - Cream		0 2nd Floor	Stairwell	Paint	Off-White	left of door to lobby
1901	B	17402	1st Layer	Paint - Cream		0 2nd Floor	Stairwell	Paint	Off-White	right of door to lobby
1902	B	17403	1st Layer	Paint - Cream		0 2nd Floor	Stairwell	Paint	Off-White	opposite of door to lobby
1903	B	17404	1st Layer	Floor Tile - White		0 2nd Floor	B246	Vinyl Floor Til	Off-White w/black	12X12
1904	B	17404	2nd Layer	Mastic - Yellow		0 2nd Floor	B246	Vinyl Floor Til	Off-White w/black	12X12
1905	B	17405	1st Layer	Floor Tile - White		0 2nd Floor	B249	Vinyl Floor Til	Off-White w/black	12X12
1906	B	17405	2nd Layer	Mastic - Yellow		0 2nd Floor	B249	Vinyl Floor Til	Off-White w/black	12X12
1907	B	17406	1st Layer	Floor Tile - White		0 2nd Floor	Stairwell	Vinyl Floor Til	Off-White w/black	12X12 top step
1908	B	17406	2nd Layer	Mastic - Yellow		0 2nd Floor	Stairwell	Vinyl Floor Til	Off-White w/black	12X12 top step
1909	B	17407	1st Layer	Floor Tile - Olive Green		0 2nd Floor	Stairwell	Vinyl Floor Til	Green&White	12X12 top step
1910	B	17407	2nd Layer	Mastic - Black		80 2nd Floor	Stairwell	Vinyl Floor Til	Green&White	12X12 top step
1911	B	17408	1st Layer	Floor Tile - Olive Green		0 2nd Floor	Lobby	Vinyl Floor Til	Green&White	12X12 front of elevator
1912	B	17408	2nd Layer	Mastic - Black		60 2nd Floor	Lobby	Vinyl Floor Til	Green&White	12X12 front of elevator
1913	B	17409	1st Layer	Floor Tile - Olive Green		0 2nd Floor	Lobby	Vinyl Floor Til	Green&White	12X12 next to 262
1914	B	17409	2nd Layer	Mastic - Black		60 2nd Floor	Lobby	Vinyl Floor Til	Green&White	12X12 next to 262
1915	B	17410	1st Layer	Floor Tile - Gray		0 2nd Floor	B243A	Vinyl Floor Til	Gray speckled	12X12
1916	B	17410	2nd Layer	Mastic - Black		40 2nd Floor	B243A	Vinyl Floor Til	Gray speckled	12X12
1917	B	17411	1st Layer	Floor Tile - Gray		0 2nd Floor	B243A	Vinyl Floor Til	Gray speckled	12X12
1918	B	17411	2nd Layer	Mastic - Black		60 2nd Floor	B243A	Vinyl Floor Til	Gray speckled	12X12
1919	B	17412	1st Layer	Floor Tile - Gray		0 2nd Floor	B243A	Vinyl Floor Til	Gray speckled	12X12
1920	B	17412	2nd Layer	Mastic - Black		40 2nd Floor	B243A	Vinyl Floor Til	Gray speckled	12X12
1921	B	17413	1st Layer	Floor Tile - Gray		0 2nd Floor	Hallway	Vinyl Floor Til	Gray&White	12X12 btw 248&250
1922	B	17413	2nd Layer	Mastic - Black		80 2nd Floor	Hallway	Vinyl Floor Til	Gray&White	12X12 btw 248&250
1923	B	17414	1st Layer	Floor Tile - Gray		0 2nd Floor	Hallway	Vinyl Floor Til	Gray&White	12X12 btw 255&257
1924	B	17414	2nd Layer	Mastic - Black		80 2nd Floor	Hallway	Vinyl Floor Til	Gray&White	12X12 btw 255&257
1925	B	17415	1st Layer	Floor Tile - Gray		0 2nd Floor	Hallway	Vinyl Floor Til	Gray&White	12X12 btw 259&260
1926	B	17415	2nd Layer	Mastic - Black		40 2nd Floor	Hallway	Vinyl Floor Til	Gray&White	12X12 btw 259&260
1927	B	17416	1st Layer	Floor Tile - Tan		0 2nd Floor	B248	Vinyl Floor Til	Tan	12X12
1928	B	17416	2nd Layer	Mastic - Black		60 2nd Floor	B248	Vinyl Floor Til	Tan	12X12
1929	B	17417	1st Layer	Floor Tile - Tan		0 2nd Floor	B248	Vinyl Floor Til	Tan	12X12
1930	B	17417	2nd Layer	Mastic - Black		40 2nd Floor	B248	Vinyl Floor Til	Tan	12X12
1931	B	17418	1st Layer	Floor Tile - Tan		0 2nd Floor	B248	Vinyl Floor Til	Tan	12X12
1932	B	17418	2nd Layer	Mastic - Black		80 2nd Floor	B248	Vinyl Floor Til	Tan	12X12
1933	B	17419	1st Layer	Formica - Multi White		0 2nd Floor	Hallway	Formica	White	2X2 - by 258
1934	B	17419	2nd Layer	Mastic - Yellow		0 2nd Floor	Hallway	Formica	White	2X2 - by 258
1935	B	17420	1st Layer	Formica - Multi White		0 2nd Floor	B258	Formica	white	2X2
1936	B	17420	2nd Layer	Mastic - Yellow		0 2nd Floor	B258	Formica	white	2X2
1937	B	17421	1st Layer	Formica - Multi White		0 2nd Floor	B258	Formica	white	2X2

	A	B	C	D	E	F Everything	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1938	B	17421	2nd Layer	Mastic - Yellow		0 2nd Floor	Formica	white	2X2
1939	B	17422	1st Layer	Floor Tile - Brown		0 2nd Floor	Vinyl Floor Tile	Brown	12X12
1940	B	17422	2nd Layer	Mastic - Black		10 2nd Floor	Vinyl Floor Tile	Brown	12X12
1941	B	17423	1st Layer	Floor Tile - Brown		0 2nd Floor	Vinyl Floor Tile	Brown	12X12
1942	B	17423	2nd Layer	Mastic - Black		10 2nd Floor	Vinyl Floor Tile	Brown	12X12
1943	B	17424	1st Layer	Floor Tile - Brown		0 2nd Floor	Vinyl Floor Tile	Brown	12X12
1944	B	17424	2nd Layer	Mastic - Black		10 2nd Floor	Vinyl Floor Tile	Brown	12X12
1945	B	17425	1st Layer	Ceiling Tile - White w/G		10 2nd Floor	Ceramic Tile	Gray	
1946	B	17425	2nd Layer	Mastic - Yellow		10 2nd Floor	Ceramic Tile	Gray	
1947	B	17426	1st Layer	Ceiling Tile - White w/G		10 2nd Floor	Ceramic Tile	Gray	
1948	B	17426	2nd Layer	Mastic - Yellow		10 2nd Floor	Ceramic Tile	Gray	
1949	B	17427	1st Layer	Ceiling Tile - White w/G		10 2nd Floor	Ceramic Tile	Gray	
1950	B	17427	2nd Layer	Mastic - Yellow		10 2nd Floor	Ceramic Tile	Gray	
1951	B	17428	1st Layer	Ceiling Tile - White w/G		10 2nd Floor	Ceramic Wall	White	2X6
1952	B	17428	2nd Layer	Mastic - Yellow		10 2nd Floor	Ceramic Wall	White	2X6
1953	B	17429	1st Layer	Ceiling Tile - White w/G		10 2nd Floor	Ceramic Wall	White	2X6
1954	B	17429	2nd Layer	Mastic - Yellow		10 2nd Floor	Ceramic Wall	White	2X6
1955	B	17430	1st Layer	Ceiling Tile - White w/G		10 2nd Floor	Ceramic Wall	White	2X6
1956	B	17430	2nd Layer	Mastic - Yellow		10 2nd Floor	Ceramic Wall	White	2X6
1957	B	17431	1st Layer	Ceiling Tile - White w/G		10 2nd Floor	Ceramic Wall	White	4X4
1958	B	17431	2nd Layer	Mastic - Yellow		10 2nd Floor	Ceramic Wall	White	4X4
1959	B	17432	1st Layer	Ceiling Tile - White w/G		10 2nd Floor	Ceramic Wall	White	4X4
1960	B	17432	2nd Layer	Mastic - Yellow		10 2nd Floor	Ceramic Wall	White	4X4
1961	B	17433	1st Layer	Ceiling Tile - White w/G		10 2nd Floor	Ceramic Wall	White	4X4
1962	B	17433	2nd Layer	Mastic - Yellow		10 2nd Floor	Ceramic Wall	White	4X4
1963	B	17434	1st Layer	Ceiling Tile - White w/G		30 2nd Floor	Ceramic Wall	White	2X6
1964	B	17434	2nd Layer	Mastic - Dark		30 2nd Floor	Ceramic Wall	White	2X6
1965	B	17435	1st Layer	Ceiling Tile - White w/G		30 2nd Floor	Ceramic Wall	White	2X6
1966	B	17435	2nd Layer	Mastic - Dark		30 2nd Floor	Ceramic Wall	White	2X6
1967	B	17436	1st Layer	Ceiling Tile - White w/G		25 2nd Floor	Ceramic Wall	White	2X6
1968	B	17436	2nd Layer	Mastic - Dark		25 2nd Floor	Ceramic Wall	White	2X6
1969	B	17437	1st Layer	Ceiling Tile - White w/G		30 2nd Floor	Ceramic Wall	White	4X4
1970	B	17437	2nd Layer	Mastic - Dark		30 2nd Floor	Ceramic Wall	White	4X4
1971	B	17438	1st Layer	Ceiling Tile - White w/G		30 2nd Floor	Ceramic Wall	White	4X4
1972	B	17438	2nd Layer	Mastic - Dark		30 2nd Floor	Ceramic Wall	White	4X4
1973	B	17439	1st Layer	Ceiling Tile - White w/G		30 2nd Floor	Ceramic Wall	White	4X4
1974	B	17439	2nd Layer	Mastic - Dark		30 2nd Floor	Ceramic Wall	White	4X4
1975	B	17440	1st Layer	Carpet - Lt. Brown		0 2nd Floor	Carpet	Maroon	
1976	B	17440	2nd Layer	Mastic - Yellow		0 2nd Floor	Carpet	Maroon	
1977	B	17441	1st Layer	Carpet - Lt. Brown		0 2nd Floor	Carpet	Maroon	
1978	B	17441	2nd Layer	Mastic - Yellow		0 2nd Floor	Carpet	Maroon	
1979	B	17442	1st Layer	Carpet - Lt. Brown		0 2nd Floor	Carpet	Maroon	
1980	B	17442	2nd Layer	Mastic - Yellow		0 2nd Floor	Carpet	Maroon	
1981	B	17443	1st Layer	Carpet - Dark Gray		0 2nd Floor	Carpet	Blue	

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1982	B	17443	2nd Layer	Mastic - Yellow		0 2nd Floor	B253	Carpet	Blue	
1983	B	17444	1st Layer	Carpet - Dark Gray		0 2nd Floor	B243	Carpet	Blue	
1984	B	17444	2nd Layer	Mastic - Yellow		0 2nd Floor	B243	Carpet	Blue	
1985	B	17445	1st Layer	Carpet - Dark Gray		0 2nd Floor	B242	Carpet	Blue	
1986	B	17445	2nd Layer	Mastic - Yellow		0 2nd Floor	B242	Carpet	Blue	
1987	B	17446	1st Layer	Baseboard - Gray		0 2nd Floor	B253	Vinyl Mouldin	Gray	
1988	B	17446	2nd Layer	Mastic - Yellow		0 2nd Floor	B253	Vinyl Mouldin	Gray	By 243
1989	B	17447	1st Layer	Baseboard - Gray		0 2nd Floor	Hallway	Vinyl Mouldin	Gray	By 243
1990	B	17447	2nd Layer	Mastic - Yellow		0 2nd Floor	Hallway	Vinyl Mouldin	Gray	Left of 242
1991	B	17448	1st Layer	Baseboard - Yellow		0 2nd Floor	Hallway	Vinyl Mouldin	Gray	Left of 242
1992	B	17448	2nd Layer	Mastic - Yellow		0 2nd Floor	Hallway	Vinyl Mouldin	Gray	Left of 253
1993	B	17449	1st Layer	Baseboard - Brown		0 2nd Floor	Hallway	Vinyl Mouldin	Brown	Left of 253
1994	B	17449	2nd Layer	Mastic - Yellow		0 2nd Floor	Hallway	Vinyl Mouldin	Brown	btw 246&249
1995	B	17450	1st Layer	Baseboard - Brown		0 2nd Floor	Hallway	Vinyl Mouldin	Brown	btw 246&249
1996	B	17450	2nd Layer	Mastic - Yellow		0 2nd Floor	Hallway	Vinyl Mouldin	Brown	opposite doubledoors
1997	B	17451	1st Layer	Baseboard - Brown		0 2nd Floor	B249	Vinyl Mouldin	Brown	opposite doubledoors
1998	B	17451	2nd Layer	Mastic - Yellow		0 2nd Floor	B249	Vinyl Mouldin	Brown	Unique to this room
1999	C	17452	1st Layer	Paint - Lt. Green		0 2nd Floor	C211	Paint	Green	Unique to this room
2000	C	17453	1st Layer	Paint - Lt. Green		0 2nd Floor	C211	Paint	Green	Unique to this room
2001	C	17454	1st Layer	Paint - Lt. Green		0 2nd Floor	C211	Paint	Green	Unique to this room
2002	B	17455	1st Layer	Baseboard - Gray		0 2nd Floor	C242	Baseboard	Lt. Gray	Unique to this room
2003	B	17455	2nd Layer	Paint - White		0 2nd Floor	C242	Baseboard	Lt. Gray	Unique to this room
2004	B	17455	3rd Layer	Mastic - Yellow		0 2nd Floor	C242	Baseboard	Lt. Gray	Unique to this room
2005	B	17456	1st Layer	Baseboard - Gray		0 2nd Floor	C242	Baseboard	Lt. Gray	Unique to this room
2006	B	17456	2nd Layer	Paint - White		0 2nd Floor	C242	Baseboard	Lt. Gray	Unique to this room
2007	B	17456	3rd Layer	Mastic - Yellow		0 2nd Floor	C242	Baseboard	Lt. Gray	Unique to this room
2008	B	17457	1st Layer	Baseboard - Gray		0 2nd Floor	C242	Baseboard	Lt. Gray	Unique to this room
2009	B	17457	2nd Layer	Paint - White		0 2nd Floor	C242	Baseboard	Lt. Gray	Unique to this room
2010	B	17457	3rd Layer	Mastic - Yellow		0 2nd Floor	C253	Ceiling Tile	White	2X2 Drop
2011	B	17458	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X2 Drop - Outside C253
2012	B	17459	1st Layer	Ceiling Material - White		0 2nd Floor	C253	Ceiling Tile	White	2X2 Drop
2013	B	17460	1st Layer	Ceiling Material - White		0 2nd Floor	C253	Ceiling Tile	White	2X2 Drop
2014	B	17461	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X2 Drop - Outside C253
2015	B	17462	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X2 Drop - Outside C257
2016	B	17463	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X2 Drop - Outside C257
2017	B	17464	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X2 Drop - Outside C265
2018	B	17465	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X2 Drop - Outside C255
2019	B	17466	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	12X12 - Next to B
2020	H	17467	1st Layer	Floor Tile - White		0 1st Floor	Hallway	Vinyl Tile	White	12X12 - Next to B
2021	H	17467	2nd Layer	Mastic - Black		80 1st Floor	Hallway	Vinyl Tile	White	12X12 - Next to B
2022	H	17468	1st Layer	Floor Tile - White		0 1st Floor	Hallway	Vinyl Tile	White	12X12 - Next to B
2023	H	17468	2nd Layer	Mastic - Black		60 1st Floor	Hallway	Vinyl Tile	White	12X12 - Next to B
2024	H	17469	1st Layer	Floor Tile - White		0 1st Floor	Hallway	Vinyl Tile	White	12X12 - Next to B
2025	H	17469	2nd Layer	Mastic - Black		80 1st Floor	Hallway	Vinyl Tile	White	12X12 - Next to B

	A	B	C	D	E	F	G	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
2026	H	17470	1st Layer	Floor Tile - Gray/Blue		0 1st Floor	Hallway	Vinyl Tile	Blue	12X12 - Outside 136&137
2027	H	17470	2nd Layer	Mastic - Yellow		0 1st Floor	Hallway	Vinyl Tile	Blue	12X12 - Outside 136&137
2028	H	17471	1st Layer	Floor Tile - Gray/Blue		0 1st Floor	Hallway	Vinyl Tile	Blue	12X12 - Outside 136&137
2029	H	17471	2nd Layer	Mastic - Yellow		0 1st Floor	Hallway	Vinyl Tile	Blue	12X12 - Outside 136&137
2030	H	17471	3rd Layer	Bulk - Roll Vinyl		80 1st Floor	Hallway	Vinyl Tile	Blue	12X12 - Outside 136&137
2031	H	17472	1st Layer	Floor Tile - Gray/Blue		0 1st Floor	Hallway	Vinyl Tile	Blue	12X12 - Outside 136&137
2032	H	17472	2nd Layer	Mastic - Yellow		0 1st Floor	Hallway	Vinyl Tile	Blue	12X12 - Outside 136&137
2033	H	17472	3rd Layer	Bulk - Roll Vinyl		80 1st Floor	Hallway	Vinyl Tile	Blue	12X12 - Outside 136&137
2034	H	17473	1st Layer	Floor Tile - Tan		10 1st Floor	H139	Vinyl Tile	Lt. Brown	9X9
2035	H	17473	2nd Layer	Mastic - Yellow		10 1st Floor	H139	Vinyl Tile	Lt. Brown	9X9
2036	H	17474	1st Layer	Floor Tile - Tan		10 1st Floor	H139	Vinyl Tile	Lt. Brown	9X9
2037	H	17474	2nd Layer	Mastic - Yellow		10 1st Floor	H139	Vinyl Tile	Lt. Brown	9X9
2038	H	17475	1st Layer	Floor Tile - Tan		10 1st Floor	H139	Vinyl Tile	Lt. Brown	9X9
2039	H	17475	2nd Layer	Mastic - Yellow		10 1st Floor	H139	Vinyl Tile	Lt. Brown	9X9
2040	H	17476	1st Layer	Floor Tile - Yellow/Green		10 1st Floor	H142A	Vinyl Tile	Yellow/Brown	9X9
2041	H	17476	2nd Layer	Mastic - Black		40 1st Floor	H142A	Vinyl Tile	Yellow/Brown	9X9
2042	H	17477	1st Layer	Floor Tile - Yellow/Green		10 1st Floor	H142A	Vinyl Tile	Yellow/Brown	9X9
2043	H	17477	2nd Layer	Mastic - Black		40 1st Floor	H142A	Vinyl Tile	Yellow/Brown	9X9
2044	H	17478	1st Layer	Floor Tile - Yellow/Green		10 1st Floor	H142A	Vinyl Tile	Yellow/Brown	9X9
2045	H	17478	2nd Layer	Mastic - Black		40 1st Floor	H142A	Vinyl Tile	Yellow/Brown	9X9
2046	H	17479	1st Layer	Floor Tile - White		0 1st Floor	Hallway	Vinyl Tile	Off White	12X12 - H118
2047	H	17479	2nd Layer	Mastic - Black		60 1st Floor	Hallway	Vinyl Tile	Off White	12X12 - H118
2048	H	17480	1st Layer	Floor Tile - White		0 1st Floor	Hallway	Vinyl Tile	Off White	12X12 - H117
2049	H	17480	2nd Layer	Mastic - Black		60 1st Floor	Hallway	Vinyl Tile	Off White	12X12 - H117
2050	H	17481	1st Layer	Floor Tile - White		0 1st Floor	Hallway	Vinyl Tile	Off White	12X12
2051	H	17481	2nd Layer	Mastic - Black		40 1st Floor	Hallway	Vinyl Tile	Off White	12X12
2052	H	17482	1st Layer	Floor Tile - White		30 1st Floor	H115	Vinyl Tile	White	9X9
2053	H	17482	2nd Layer	Mastic - Dark		30 1st Floor	H115	Vinyl Tile	White	9X9
2054	H	17483	1st Layer	Floor Tile - White		20 1st Floor	H113	Vinyl Tile	White	9X9
2055	H	17483	2nd Layer	Mastic - Dark		30 1st Floor	H113	Vinyl Tile	White	9X9
2056	H	17484	1st Layer	Floor Tile - White		20 1st Floor	H109	Vinyl Tile	White	9X9
2057	H	17484	2nd Layer	Mastic - Dark		30 1st Floor	H109	Vinyl Tile	White	9X9
2058	H	17485	1st Layer	Floor Tile - Green		20 1st Floor	H111	Vinyl Tile	Green	9X9
2059	H	17485	2nd Layer	Mastic - Dark		30 1st Floor	H111	Vinyl Tile	Green	9X9
2060	H	17486	1st Layer	Floor Tile - Green		10 1st Floor	H112	Vinyl Tile	Green	9X9
2061	H	17486	2nd Layer	Mastic - Dark		20 1st Floor	H112	Vinyl Tile	Green	9X9
2062	H	17487	1st Layer	Floor Tile - Green		10 1st Floor	H112	Vinyl Tile	Green	9X9
2063	H	17487	2nd Layer	Mastic - Dark		20 1st Floor	H112	Vinyl Tile	Green	9X9
2064	H	17488	1st Layer	Floor Tile - Golden		10 1st Floor	H110	Vinyl Tile	Yellow	9X9
2065	H	17488	2nd Layer	Mastic - Dark		20 1st Floor	H110	Vinyl Tile	Yellow	9X9
2066	H	17489	1st Layer	Floor Tile - Golden		10 1st Floor	H110	Vinyl Tile	Yellow	9X9
2067	H	17489	2nd Layer	Mastic - Dark		20 1st Floor	H110	Vinyl Tile	Yellow	9X9
2068	H	17490	1st Layer	Floor Tile - Golden		10 1st Floor	H110	Vinyl Tile	Yellow	9X9
2069	H	17490	2nd Layer	Mastic - Dark		20 1st Floor	H110	Vinyl Tile	Yellow	9X9

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
2070	H	17491	1st Layer	Floor Tile - Cream	0	1st Floor	H109A	Vinyl Tile	Green	12X12
2071	H	17491	2nd Layer	Mastic - Black		20	1st Floor	Vinyl Tile	Green	12X12
2072	H	17492	1st Layer	Floor Tile - Cream		0	1st Floor	Vinyl Tile	Green	12X12
2073	H	17492	2nd Layer	Mastic - Black		20	1st Floor	Vinyl Tile	Green	12X12
2074	H	17493	1st Layer	Floor Tile - Cream		0	1st Floor	Vinyl Tile	Green	12X12
2075	H	17493	2nd Layer	Mastic - Black		20	1st Floor	Vinyl Tile	Green	12X12
2076	H	17494	1st Layer	Floor Tile Vinyl Roll - Yellow		80	1st Floor	Linoleum	Yellow	White tile underneath
2077	H	17495	1st Layer	Floor Tile Vinyl Roll - Yellow		80	1st Floor	Linoleum	Yellow	White tile underneath
2078	H	17496	1st Layer	Floor Tile Vinyl Roll - Yellow		80	1st Floor	Linoleum	Yellow	White tile underneath
2079	H	17497	1st Layer	Carpet - Brown		0	1st Floor	Carpet	Brown	
2080	H	17497	2nd Layer	Mastic - Yellow		0	1st Floor	Carpet	Brown	
2081	H	17498	1st Layer	Carpet - Brown		0	1st Floor	Carpet	Brown	
2082	H	17498	2nd Layer	Mastic - Yellow		0	1st Floor	Carpet	Brown	
2083	H	17499	1st Layer	Carpet - Brown		0	1st Floor	Carpet	Brown	
2084	H	17499	2nd Layer	Mastic - Yellow		0	1st Floor	Carpet	Brown	
2085	H	17500	1st Layer	Carpet - Dark Brown		0	1st Floor	Stairwell Carpet	Drk. Brown	
2086	H	17500	2nd Layer	Mastic - Yellow		0	1st Floor	Stairwell Carpet	Drk. Brown	
2087	H	17501	1st Layer	Carpet - Dark Brown		0	1st Floor	Stairwell Carpet	Drk. Brown	
2088	H	17501	2nd Layer	Mastic - Yellow		0	1st Floor	Stairwell Carpet	Drk. Brown	
2089	H	17502	1st Layer	Carpet - Dark Brown		0	1st Floor	Stairwell Carpet	Drk. Brown	
2090	H	17502	2nd Layer	Mastic - Yellow		0	1st Floor	Stairwell Carpet	Drk. Brown	
2091	H	17503	1st Layer	Paint w/Plaster - Beige		0	1st Floor	Hallway Paint	Brown	Plaster - Area B and Trophy
2092	H	17504	1st Layer	Paint w/Plaster - Beige		0	1st Floor	Hallway Paint	Brown	Plaster - Lockers and Trophy
2093	H	17505	1st Layer	Paint w/Plaster - Beige		0	1st Floor	Hallway Paint	Brown	Plaster - Left of H139
2094	H	17506	1st Layer	Paint w/Plaster - Beige		0	1st Floor	Hallway Paint	Brown	Plaster - Lockers and H141
2095	H	17507	1st Layer	Paint w/Plaster - Beige		0	1st Floor	Hallway Paint	Brown	Plaster - Opposite H141
2096	H	17508	1st Layer	Paint - ????		0	1st Floor	Hallway Paint	Brown	Sheetrock - Right of H area doorway
2097	H	17508	2nd Layer	Sheetrock		0	1st Floor	Hallway Paint	Brown	Sheetrock - Right of H area doorway
2098	H	17508	3rd Layer	Paper Backing		0	1st Floor	Hallway Paint	Brown	Sheetrock - Right of H area doorway
2099	H	17509	1st Layer	Paint w/Plaster - Beige		0	1st Floor	Hallway Paint	Brown	Plaster - Left of H137
2100	H	17510	1st Layer	Paint - Burgandy		0	1st Floor	H137 Paint	Burgundy	Door Trim
2101	H	17511	1st Layer	Paint - Burgandy		0	1st Floor	H137 Paint	Burgundy	Door Trim
2102	H	17512	1st Layer	Paint - Burgandy		0	1st Floor	H137 Paint	Burgundy	Door Trim
2103	H	17513	1st Layer	Paint - Dark Gray		0	1st Floor	Hallway Paint	Gray	Outside H137
2104	H	17514	1st Layer	Paint - Dark Gray		0	1st Floor	Hallway Paint	Gray	Outside H136
2105	H	17515	1st Layer	Paint - Dark Gray		0	1st Floor	Hallway Paint	Gray	Threshold Mainhall/H139
2106	H	17516	1st Layer	Paint w/Plaster - Green		0	1st Floor	H139B Paint	Green	Plaster
2107	H	17517	1st Layer	Paint w/Plaster - Green		0	1st Floor	H139B Paint	Green	Plaster
2108	H	17518	1st Layer	Paint w/Plaster - Green		0	1st Floor	H139B Paint	Green	Plaster
2109	H	17519	1st Layer	Paint - Multi Red		0	1st Floor	H142A Paint	Rust	Metal door trim
2110	H	17520	1st Layer	Paint - Multi Red		0	1st Floor	H142 Paint	Rust	Metal door trim
2111	H	17521	1st Layer	Paint - Multi Red		0	1st Floor	H142 Paint	Rust	Metal door trim
2112	H	17522	1st Layer	Paint w/Plaster - Tan		0	1st Floor	Hallway Paint	Lt. Tan	Right of H118
2113	H	17523	1st Layer	Paint w/Plaster - Tan		0	1st Floor	Hallway Paint	Lt. Tan	Btw/ H115 & H114

	A	B	C	D	E	F Everything	H	I	J	
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
2114	H	17524	1st Layer	Paint w/Plaster - Tan	0	1st Floor	Hallway	Paint	Lt. Tan	Left of H116
2115	H	17525	1st Layer	Paint w/Plaster - Tan	0	1st Floor	Hallway	Paint	Lt. Tan	Btw/ H110 & Threshold
2116	H	17526	1st Layer	Paint w/Plaster - Tan	0	1st Floor	Hallway	Paint	Lt. Tan	Right of H108
2117	H	17527	1st Layer	Paint w/Plaster - Tan	0	1st Floor	Hallway	Paint	Lt. Tan	Btw H109 & H111
2118	H	17528	1st Layer	Paint w/Plaster - Tan	0	1st Floor	Hallway	Paint	Lt. Tan	Btw H113 & H114
2119	H	17529	1st Layer	Paint w/Plaster - Taupe	0	1st Floor	H115	Paint	Off White	On Plaster
2120	H	17530	1st Layer	Paint w/Plaster - Taupe	0	1st Floor	H115	Paint	Off White	On Plaster
2121	H	17531	1st Layer	Paint w/Plaster - White	0	1st Floor	H115	Paint	Off White	On Plaster
2122	H	17532	1st Layer	Paint w/Plaster - White	0	1st Floor	H115	Paint	White	On Plaster Ceiling
2123	H	17533	1st Layer	Paint w/Plaster - White	0	1st Floor	H114	Paint	White	On Plaster Ceiling
2124	H	17534	1st Layer	Paint w/Plaster - White	0	1st Floor	H112	Paint	White	On Plaster
2125	H	17535	1st Layer	Paint w/Plaster - Multi V	0	1st Floor	H114A	Paint	Off White	On Plaster
2126	H	17536	1st Layer	Paint w/Plaster - Multi V	0	1st Floor	H111A	Paint	Off White	On Plaster
2127	H	17537	1st Layer	Paint w/Plaster - Multi V	0	1st Floor	H108A	Paint	Off White	On Plaster
2128	H	17538	1st Layer	Paint w/Plaster - Cream	0	1st Floor	H120	Paint	Lt. Green	On Plaster
2129	H	17539	1st Layer	Paint w/Plaster - Cream	0	1st Floor	H120	Paint	Lt. Green	On Plaster
2130	H	17540	1st Layer	Paint w/Plaster - Cream	0	1st Floor	H120	Paint	Lt. Green	On Plaster
2131	H	17541	1st Layer	Ceiling Tile - Tan w/Bro	10	1st Floor	H115A	Ceramic Tile	Tan w/specks	4X4 Wall
2132	H	17541	2nd Layer	Mastic - Yellow	10	1st Floor	H115A	Ceramic Tile	Tan w/specks	4X4 Wall
2133	H	17542	1st Layer	Ceramic Tile - Tan w/B	10	1st Floor	H113A	Ceramic Tile	Tan w/specks	4X4 Wall
2134	H	17542	2nd Layer	Mastic - Yellow	10	1st Floor	H113A	Ceramic Tile	Tan w/specks	4X4 Wall
2135	H	17543	1st Layer	Ceramic Tile - Tan w/B	10	1st Floor	H110A	Ceramic Tile	Tan w/specks	4X4 Wall
2136	H	17543	2nd Layer	Mastic - Yellow	10	1st Floor	H110A	Ceramic Tile	Tan w/specks	4X4 Wall
2137	H	17544	1st Layer	Ceramic Tile - Green	10	1st Floor	H111A	Ceramic Tile	Green	4X4 Wall
2138	H	17544	2nd Layer	Mastic - Yellow	10	1st Floor	H111A	Ceramic Tile	Green	4X4 Wall
2139	H	17545	1st Layer	Ceramic Tile - Green	10	1st Floor	H112A	Ceramic Tile	Green	4X4 Wall
2140	H	17545	2nd Layer	Mastic - Yellow	10	1st Floor	H112A	Ceramic Tile	Green	4X4 Wall
2141	H	17546	1st Layer	Ceramic Tile - Green	10	1st Floor	H117A	Ceramic Tile	Green	4X4 Wall
2142	H	17546	2nd Layer	Mastic - Yellow	10	1st Floor	H117A	Ceramic Tile	Green	4X4 Wall
2143	H	17547	1st Layer	Ceramic Tile - Tan w/B	10	1st Floor	H115A	Ceramic Tile	Tan w/specks	2X6 Wall
2144	H	17547	2nd Layer	Mastic - Yellow	10	1st Floor	H115A	Ceramic Tile	Tan w/specks	2X6 Wall
2145	H	17548	1st Layer	Ceramic Tile - Tan w/B	10	1st Floor	H113A	Ceramic Tile	Tan w/specks	2X6 Wall
2146	H	17548	2nd Layer	Mastic - Yellow	10	1st Floor	H113A	Ceramic Tile	Tan w/specks	2X6 Wall
2147	H	17549	1st Layer	Ceramic Tile - Tan w/B	10	1st Floor	H110A	Ceramic Tile	Tan w/specks	2X6 Wall
2148	H	17549	2nd Layer	Mastic - Yellow	10	1st Floor	H110A	Ceramic Tile	Tan w/specks	2X6 Wall
2149	H	17550	1st Layer	Ceramic Tile - Green	10	1st Floor	H112A	Ceramic Tile	Green	2X6 Wall
2150	H	17550	2nd Layer	Mastic - Yellow	10	1st Floor	H112A	Ceramic Tile	Green	2X6 Wall
2151	H	17551	1st Layer	Ceramic Tile - Green	10	1st Floor	H111A	Ceramic Tile	Green	2X6 Wall
2152	H	17551	2nd Layer	Mastic - Yellow	10	1st Floor	H111A	Ceramic Tile	Green	2X6 Wall
2153	H	17552	1st Layer	Ceramic Tile - Green	10	1st Floor	H117A	Ceramic Tile	Green	2X6 Wall
2154	H	17552	2nd Layer	Mastic - Yellow	10	1st Floor	H117A	Ceramic Tile	Green	2X6 Wall
2155	H	17553	1st Layer	Ceramic Tile - Yellow	10	1st Floor	Hall nea	Ceramic Tile	Yellow	4X4 wall
2156	H	17553	2nd Layer	Mastic - Yellow	10	1st Floor	Hall nea	Ceramic Tile	Yellow	4X4 wall
2157	H	17554	1st Layer	Carpet - Red	0	1st Floor	Page 136	Carpet	Dark Red	

	A	B	C	D	E	F Everything	H	I	J	
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
2158	H	17554	2nd Layer	Mastic - Yellow	0	1st Floor	H136	Carpet	Dark Red	
2159	H	17555	1st Layer	Carpet - Red	0	1st Floor	H136	Carpet	Dark Red	
2160	H	17555	2nd Layer	Mastic - Yellow	0	1st Floor	H136	Carpet	Dark Red	
2161	H	17556	1st Layer	Carpet - Red	0	1st Floor	H136	Carpet	Dark Red	
2162	H	17556	2nd Layer	Mastic - Yellow	0	1st Floor	H136	Carpet	Dark Red	
2163	H	17557	1st Layer	Carpet - Gray	0	1st Floor	Stairwell	Carpet	Blue	9X9 Tile underneath
2164	H	17557	2nd Layer	Mastic - Yellow	0	1st Floor	Stairwell	Carpet	Blue	9X9 Tile underneath
2165	H	17558	1st Layer	Carpet - Gray	0	1st Floor	Stairwell	Carpet	Blue	9X9 Tile underneath
2166	H	17558	2nd Layer	Mastic - Yellow	0	1st Floor	Stairwell	Carpet	Blue	9X9 Tile underneath
2167	H	17559	1st Layer	Carpet - Gray	0	1st Floor	Stairwell	Carpet	Blue	9X9 Tile underneath
2168	H	17559	2nd Layer	Mastic - Yellow	0	1st Floor	Stairwell	Carpet	Blue	9X9 Tile underneath
2169	H	17560	1st Layer	Carpet - Brown	0	1st Floor	H137	Carpet	Brown/Blue	
2170	H	17560	2nd Layer	Roll Vinyl w/ Mastic - Yellow	20	1st Floor	H137	Carpet	Brown/Blue	
2171	H	17560	3rd Layer	Roll Vinyl - Pebble	20	1st Floor	H137	Carpet	Brown/Blue	
2172	H	17561	1st Layer	Carpet - Brown	0	1st Floor	H137	Carpet	Brown/Blue	
2173	H	17561	2nd Layer	Roll Vinyl w/ Mastic - Yellow	20	1st Floor	H137	Carpet	Brown/Blue	
2174	H	17561	3rd Layer	Roll Vinyl - Pebble	20	1st Floor	H137	Carpet	Brown/Blue	
2175	H	17562	1st Layer	Carpet - Brown	0	1st Floor	H137	Carpet	Brown/Blue	
2176	H	17562	2nd Layer	Roll Vinyl w/ Mastic - Yellow	20	1st Floor	H137	Carpet	Brown/Blue	
2177	H	17562	3rd Layer	Roll Vinyl - Pebble	20	1st Floor	H137	Carpet	Brown/Blue	
2178	H	17563	1st Layer	Baseboard - Gray	0	1st Floor	H137	Baseboard	Gray	
2179	H	17563	2nd Layer	Mastic - Yellow	0	1st Floor	H137	Baseboard	Gray	
2180	H	17564	1st Layer	Baseboard - Gray	0	1st Floor	H137	Baseboard	Gray	
2181	H	17564	2nd Layer	Mastic - Yellow	0	1st Floor	H138	Baseboard	Gray	
2182	H	17565	1st Layer	Baseboard - Gray	0	1st Floor	H138	Baseboard	Gray	
2183	H	17565	2nd Layer	Mastic - Yellow	0	1st Floor	H138	Baseboard	Gray	Outside H139
2184	H	17566	1st Layer	Baseboard - Tan	0	1st Floor	Hallway	Baseboard	Gray	Outside H139
2185	H	17566	2nd Layer	Paint - Tan	0	1st Floor	Hallway	Baseboard	Gray	Outside H139
2186	H	17566	3rd Layer	Mastic - Dark	10	1st Floor	Hallway	Baseboard	Gray	Outside H141
2187	H	17567	1st Layer	Baseboard - Tan	0	1st Floor	Hallway	Baseboard	Gray	Outside H141
2188	H	17567	2nd Layer	Paint - Tan	0	1st Floor	Hallway	Baseboard	Gray	Outside H141
2189	H	17567	3rd Layer	Mastic - Dark	10	1st Floor	Hallway	Baseboard	Gray	Outside H141
2190	H	17568	1st Layer	Baseboard - Tan	0	1st Floor	Hallway	Baseboard	Gray	Outside H134
2191	H	17568	2nd Layer	Paint - Tan	0	1st Floor	Hallway	Baseboard	Gray	Outside H134
2192	H	17568	3rd Layer	Mastic - Dark	10	1st Floor	Hallway	Baseboard	Gray	Outside H134
2193	H	17569	1st Layer	Baseboard - Tan	0	1st Floor	H139	Baseboard	Tan	
2194	H	17569	2nd Layer	Paint - Tan	0	1st Floor	H139	Baseboard	Tan	
2195	H	17569	3rd Layer	Mastic - Dark	10	1st Floor	H139	Baseboard	Tan	
2196	H	17570	1st Layer	Baseboard - Tan	0	1st Floor	H139	Baseboard	Tan	
2197	H	17570	2nd Layer	Paint - Tan	0	1st Floor	H139	Baseboard	Tan	
2198	H	17570	3rd Layer	Mastic - Dark	10	1st Floor	H139	Baseboard	Tan	
2199	H	17571	1st Layer	Baseboard - Tan	0	1st Floor	H139	Baseboard	Tan	
2200	H	17571	2nd Layer	Paint - Tan	0	1st Floor	H139	Baseboard	Tan	
2201	H	17571	3rd Layer	Mastic - Dark	10	1st Floor	H139	Baseboard	Tan	

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
2202	H	17572	1st Layer	Ceramic Tile - Yellow		0 1st Floor	Hallway	Ceramic Tile	Yellow	4X4 Area B
2203	H	17572	2nd Layer	Grout - White		0 1st Floor	Hallway	Ceramic Tile	Yellow	4X4 Area B
2204	H	17573	1st Layer	Ceramic Tile - Yellow		0 1st Floor	Hallway	Ceramic Tile	Yellow	4X4 Stairwell
2205	H	17573	2nd Layer	Grout - White		0 1st Floor	Hallway	Ceramic Tile	Yellow	4X4 Stairwell
2206	H	17574	1st Layer	Ceramic Tile - White		0 1st Floor	Hallway	Ceramic Tile	White	4X4 by H119
2207	H	17574	2nd Layer	Mastic - Yellow		0 1st Floor	Hallway	Ceramic Tile	White	4X4 by H119
2208	H	17575	1st Layer	Ceramic Tile - White		0 1st Floor	H119	Ceramic Tile	White	4X4 by Fuse Box
2209	H	17575	2nd Layer	Mastic - White		0 1st Floor	H119	Ceramic Tile	White	4X4 by Fuse Box
2210	H	17576	1st Layer	Ceramic Tile - White		0 1st Floor	Hallway	Ceramic Tile	White	4X4 by H119
2211	H	17576	2nd Layer	Mastic - White		0 1st Floor	Hallway	Ceramic Tile	White	4X4 by H119
2212	H	17577	1st Layer	Ceramic Tile - White		0 1st Floor	Hallway	Ceramic Tile	White	2X6 by H119
2213	H	17577	2nd Layer	Mastic - Yellow		0 1st Floor	Hallway	Ceramic Tile	White	2X6 by H119
2214	H	17578	1st Layer	Ceramic Tile - White		0 1st Floor	Hallway	Ceramic Tile	White	2X6 by H119
2215	H	17578	2nd Layer	Mastic - Yellow		0 1st Floor	Hallway	Ceramic Tile	White	2X6 by H119
2216	H	17579	1st Layer	Ceramic Tile - White		0 1st Floor	Hallway	Ceramic Tile	White	2X6 by H119
2217	H	17579	2nd Layer	Mastic - Yellow		0 1st Floor	Hallway	Ceramic Tile	White	2X6 by H119
2218	H	17580	1st Layer	Formica - White		0 1st Floor	H119	Formica	White	
2219	H	17580	2nd Layer	Mastic - Yellow		0 1st Floor	H119	Formica	White	
2220	H	17581	1st Layer	Formica - White		0 1st Floor	H119	Formica	White	
2221	H	17581	2nd Layer	Mastic - Yellow		0 1st Floor	H119	Formica	White	
2222	H	17582	1st Layer	Formica - White		0 1st Floor	H119	Formica	White	
2223	H	17582	2nd Layer	Mastic - Yellow		0 1st Floor	H119	Formica	White	
2224	H	17583	1st Layer	Formica - Beige		0 1st Floor	H136	Formica	Tan/White	
2225	H	17583	2nd Layer	Mastic - Yellow		0 1st Floor	H136	Formica	Tan/White	
2226	H	17584	1st Layer	Formica - Beige		0 1st Floor	H136	Formica	Tan/White	
2227	H	17584	2nd Layer	Mastic - Yellow		0 1st Floor	H136	Formica	Tan/White	
2228	H	17585	1st Layer	Formica - Beige		0 1st Floor	H136	Formica	Tan/White	
2229	H	17585	2nd Layer	Mastic - Yellow		0 1st Floor	H136	Formica	Tan/White	
2230	H	17586	1st Layer	Formica - White		0 1st Floor	H137	Formica	White/Tan	
2231	H	17586	2nd Layer	Paint - Beige		0 1st Floor	H137	Formica	White/Tan	
2232	H	17586	3rd Layer	Mastic - Yellow		0 1st Floor	H137	Formica	White/Tan	
2233	H	17587	1st Layer	Formica - White		0 1st Floor	H137	Formica	White/Tan	
2234	H	17587	2nd Layer	Paint - Beige		0 1st Floor	H137	Formica	White/Tan	
2235	H	17587	3rd Layer	Mastic - Yellow		0 1st Floor	H137	Formica	White/Tan	
2236	H	17588	1st Layer	Formica - White		0 1st Floor	H137	Formica	White/Tan	
2237	H	17588	2nd Layer	Paint - Beige		0 1st Floor	H137	Formica	White/Tan	
2238	H	17588	3rd Layer	Mastic - Yellow		0 1st Floor	H137	Formica	White/Tan	
2239	H	17589	1st Layer	Baseboard - Tan		0 1st Floor	H142	Baseboard	Rust	
2240	H	17589	2nd Layer	Paint - Red		0 1st Floor	H142	Baseboard	Rust	
2241	H	17589	3rd Layer	Mastic - Dark		0 1st Floor	H142	Baseboard	Rust	
2242	H	17590	1st Layer	Baseboard - Tan		0 1st Floor	H142	Baseboard	Rust	
2243	H	17590	2nd Layer	Paint - Red		0 1st Floor	H142	Baseboard	Rust	
2244	H	17590	3rd Layer	Mastic - Dark		0 1st Floor	H142	Baseboard	Rust	
2245	H	17591	1st Layer	Baseboard - Tan		0 1st Floor	Page 142	Baseboard	Rust	

	A	B	C	D	E	F	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
2246	H	17591	2nd Layer	Paint - Red	0	1st Floor	H142	Baseboard	Rust	
2247	H	17591	3rd Layer	Mastic - Dark	0	1st Floor	H142	Baseboard	Rust	
2248	H	17592	1st Layer	Baseboard - Tan	0	1st Floor	H115	Baseboard	Brown	
2249	H	17592	2nd Layer	Paint - Brown	0	1st Floor	H115	Baseboard	Brown	
2250	H	17592	3rd Layer	Mastic - Dark	10	1st Floor	H115	Baseboard	Brown	
2251	H	17593	1st Layer	Baseboard - Tan	0	1st Floor	H114	Baseboard	Brown	
2252	H	17593	2nd Layer	Paint - Brown	0	1st Floor	H114	Baseboard	Brown	
2253	H	17593	3rd Layer	Mastic - Dark	10	1st Floor	H114	Baseboard	Brown	
2254	H	17594	1st Layer	Baseboard - Tan	0	1st Floor	H114	Baseboard	Brown	
2255	H	17594	2nd Layer	Paint - Brown	0	1st Floor	H114	Baseboard	Brown	
2256	H	17594	3rd Layer	Mastic - Dark	10	1st Floor	H114	Baseboard	Brown	
2257	H	17595	1st Layer	Baseboard - Bisque	0	1st Floor	H116	Baseboard	Tan	
2258	H	17595	2nd Layer	Mastic - ????	0	1st Floor	H116	Baseboard	Tan	
2259	H	17596	1st Layer	Baseboard - Bisque	0	1st Floor	H116	Baseboard	Tan	
2260	H	17596	2nd Layer	Mastic - ????	0	1st Floor	H116	Baseboard	Tan	
2261	H	17597	1st Layer	Baseboard - Bisque	0	1st Floor	H116	Baseboard	Tan	
2262	H	17597	2nd Layer	Mastic - ????	Trace	1st Floor	Hallway	Baseboard	Green	
2263	H	17598	1st Layer	Baseboard - Green	Trace	1st Floor	Hallway	Baseboard	Green	
2264	H	17598	2nd Layer	Mastic - Dark	Trace	1st Floor	H120	Baseboard	Green	
2265	H	17599	1st Layer	Baseboard - Green	Trace	1st Floor	H120	Baseboard	Green	
2266	H	17599	2nd Layer	Mastic - Dark	Trace	1st Floor	Hallway	Baseboard	Green	
2267	H	17600	1st Layer	Baseboard - Green	Trace	1st Floor	Hallway	Baseboard	Green	
2268	H	17600	2nd Layer	Mastic - Dark	Trace	1st Floor	Hallway	Baseboard	Green	
2269	H	17601	1st Layer	Ceiling Material w/holes	Trace	1st Floor	H139A	Acoustic Tile	White	
2270	H	17601	2nd Layer	Caulk - Dark	Trace	1st Floor	H139A	Acoustic Tile	White	
2271	H	17602	1st Layer	Ceiling Material w/holes	Trace	1st Floor	H139A	Acoustic Tile	White	
2272	H	17602	2nd Layer	Caulk - Dark	Trace	1st Floor	H139A	Acoustic Tile	White	
2273	H	17603	1st Layer	Ceiling Material w/holes	Trace	1st Floor	H139A	Acoustic Tile	White	
2274	H	17603	2nd Layer	Caulk - Dark	Trace	1st Floor	H139A	Acoustic Tile	White	
2275	H	17604	1st Layer	Ceiling Material - White	Trace	1st Floor	Hallway	Acoustic Tile	White	
2276	H	17604	2nd Layer	Mastic - Dark	Trace	1st Floor	Hallway	Acoustic Tile	White	
2277	H	17605	1st Layer	Ceiling Material - White	Trace	1st Floor	Hallway	Acoustic Tile	White	
2278	H	17605	2nd Layer	Mastic - Dark	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile
2279	H	17606	1st Layer	Ceiling Material - White	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile
2280	H	17606	2nd Layer	Mastic - Dark	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H118
2281	H	17607	1st Layer	Ceiling Material - White	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H118
2282	H	17607	2nd Layer	Mastic - Dark	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H118
2283	H	17608	1st Layer	Ceiling Material w/holes	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H118
2284	H	17608	2nd Layer	Mastic - Dark	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H118
2285	H	17609	1st Layer	Ceiling Material w/holes	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H118
2286	H	17609	2nd Layer	Mastic - Dark	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H116
2287	H	17610	1st Layer	Ceiling Material w/holes	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H116
2288	H	17610	2nd Layer	Mastic - Dark	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H116
2289	H	17611	1st Layer	Ceiling Material w/holes	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H116

	A	B	C	D	E	F Everything	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	H	17611	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H116
2290	H	17612	1st Layer	Ceiling Material w/holes	Trace	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H116
2291	H	17612	2nd Layer	Mastic - Dark	10	1st Floor	Hallway	Acoustic Tile	White	12" Tile - H116
2292	H	17613	1st Layer	Ceiling Material - White		0 1st Floor	Hallway	Acoustic Tile	White	2X4
2293	H	17613	2nd Layer	Mastic - ????		0 1st Floor	Hallway	Acoustic Tile	White	2X4
2294	H	17614	1st Layer	Ceiling Material - White		0 1st Floor	Hallway	Acoustic Tile	White	2X4
2295	H	17614	2nd Layer	Mastic - ????		0 1st Floor	Hallway	Acoustic Tile	White	2X4
2296	H	17615	1st Layer	Ceiling Material - White		0 1st Floor	Hallway	Acoustic Tile	White	2X4
2297	H	17615	2nd Layer	Mastic - ????		0 1st Floor	Hallway	Acoustic Tile	White	2X4
2298	H	17616	1st Layer	Ceiling Material - White		0 1st Floor	Hallway	Acoustic Tile	White	2X2
2299	H	17616	2nd Layer	Mastic - ????		0 1st Floor	Hallway	Acoustic Tile	White	2X2
2300	H	17617	1st Layer	Ceiling Material - White		0 1st Floor	Hallway	Acoustic Tile	White	2X2
2301	H	17617	2nd Layer	Mastic - ????		0 1st Floor	Hallway	Acoustic Tile	White	2X2
2302	H	17618	1st Layer	Ceiling Material - White		0 1st Floor	Hallway	Acoustic Tile	White	2X2
2303	H	17618	2nd Layer	Mastic - ????		0 1st Floor	Hallway	Acoustic Tile	White	2X2
2304	H	17619	1st Layer	Ceiling Material - White	Trace	1st Floor	Hallway	Acoustic Tile	White	2X2
2305	H	17619	2nd Layer	Mastic - ????		0 1st Floor	Hallway	Acoustic Tile	White	2X2
2306	H	17620	1st Layer	Ceiling Material - White	Trace	1st Floor	Hallway	Acoustic Tile	White	2X2
2307	H	17620	2nd Layer	Mastic - ????		0 1st Floor	Hallway	Acoustic Tile	White	2X2
2308	H	17621	1st Layer	Ceiling Material - White	Trace	1st Floor	Hallway	Acoustic Tile	White	2X2
2309	H	17621	2nd Layer	Mastic - ????		0 1st Floor	Hallway	Acoustic Tile	White	2X2
2310	H	17622	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Cream	Across from H211
2311	H	17622	2nd Layer	Plaster - ????		0 2nd Floor	Hallway	Paint	Cream	Across from H211
2312	H	17623	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Cream	Across from H215
2313	H	17623	2nd Layer	Plaster - ????		0 2nd Floor	Hallway	Paint	Cream	Across from H215
2314	H	17624	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Cream	Across from H216
2315	H	17624	2nd Layer	Plaster - ????		0 2nd Floor	Hallway	Paint	Cream	Across from H216
2316	H	17625	1st Layer	Paint - Beige		0 2nd Floor	H219	Paint	Cream	
2317	H	17625	2nd Layer	Plaster - ????		0 2nd Floor	H219	Paint	Cream	
2318	H	17626	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Cream	Across from H223
2319	H	17626	2nd Layer	Plaster - ????		0 2nd Floor	Hallway	Paint	Cream	Across from H223
2320	H	17627	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Cream	Across from H227
2321	H	17627	2nd Layer	Plaster - ????		0 2nd Floor	Hallway	Paint	Cream	Across from H227
2322	H	17628	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Cream	Across from H225
2323	H	17628	2nd Layer	Plaster - ????		0 2nd Floor	Hallway	Paint	Cream	Across from H225
2324	H	17629	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Yellow	On Plaster - Across H239
2325	H	17629	2nd Layer	Plaster - ????		0 2nd Floor	Hallway	Paint	Yellow	On Plaster - Across H239
2326	H	17630	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Yellow	On Plaster
2327	H	17630	2nd Layer	Plaster - ????		0 2nd Floor	Hallway	Paint	Yellow	On Plaster
2328	H	17631	1st Layer	Paint - Beige		0 2nd Floor	H235	Paint	Yellow	On Plaster
2329	H	17631	2nd Layer	Plaster		10 2nd Floor	H235	Paint	Yellow	On Plaster
2330	H	17632	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Yellow	On Plaster - Beside H237
2331	H	17632	2nd Layer	Plaster		10 2nd Floor	Hallway	Paint	Yellow	On Plaster - Beside H237
2332	H	17633	1st Layer	Paint - Beige		0 2nd Floor	Hallway	Paint	Yellow	On Sheetrock
2333	H	17633	2nd Layer	Plaster		0 2nd Floor	Hallway	Paint	Yellow	

	A	B	C	D	E	F Everything	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
2334	H	17633	2nd Layer	Sheetrock	20	2nd Floor	Hallway	Paint	Yellow	On Sheetrock
2335	H	17633	3rd Layer	Paper backing	0	2nd Floor	Hallway	Paint	Yellow	On Sheetrock
2336	H	17634	1st Layer	Paint - Brown	0	2nd Floor	Hallway	Paint	Lt. Brown	By H241A
2337	H	17635	1st Layer	Paint - Brown	0	2nd Floor	Hallway	Paint	Lt. Brown	By H240
2338	H	17636	1st Layer	Paint - Brown	0	2nd Floor	Hallway	Paint	Lt. Brown	By H235
2339	H	17637	1st Layer	Paint - Beige	0	2nd Floor	Hallway	Paint	Beige	Across from H224
2340	H	17638	1st Layer	Paint - Beige	0	2nd Floor	Hallway	Paint	Beige	Across from H218
2341	H	17639	1st Layer	Paint - Bisque	0	2nd Floor	Hallway	Paint	Beige	Across from H216
2342	H	17639	2nd Layer	Plaster	10	2nd Floor	Hallway	Paint	Beige	Across from H216
2343	H	17640	1st Layer	Paint - White	0	2nd Floor	Stairwell	Paint	White	
2344	H	17640	2nd Layer	Plaster - ????	10	2nd Floor	Stairwell	Paint	White	
2345	H	17641	1st Layer	Paint - White	0	2nd Floor	Stairwell	Paint	White	
2346	H	17641	2nd Layer	Plaster - ????	10	2nd Floor	Stairwell	Paint	White	
2347	H	17642	1st Layer	Paint - White	0	2nd Floor	Stairwell	Paint	White	
2348	H	17642	2nd Layer	Plaster - ????	10	2nd Floor	Stairwell	Paint	White	
2349	H	17643	1st Layer	Paint - Lt. Green	0	2nd Floor	H235B	Paint	Lt. Green	
2350	H	17644	1st Layer	Paint - Lt. Green	0	2nd Floor	H227	Paint	Lt. Green	
2351	H	17645	1st Layer	Paint - Lt. Green	0	2nd Floor	H235B	Paint	Lt. Green	
2352	H	17646	1st Layer	Ceramic Tile - Tan w/Bk	10	2nd Floor	Hallway	Wall Tile	Tan w/specks	
2353	H	17646	2nd Layer	Mastic - Yellow	10	2nd Floor	Hallway	Wall Tile	Tan w/specks	
2354	H	17647	1st Layer	Ceramic Tile - Tan w/Bk	10	2nd Floor	H224A	Wall Tile	Tan w/specks	
2355	H	17647	2nd Layer	Mastic - Yellow	10	2nd Floor	H224A	Wall Tile	Tan w/specks	
2356	H	17648	1st Layer	Ceramic Tile - Tan w/Bk	10	2nd Floor	Hallway	Wall Tile	Tan w/specks	
2357	H	17648	2nd Layer	Mastic - Yellow	10	2nd Floor	Hallway	Wall Tile	Tan w/specks	
2358	H	17649	1st Layer	Ceramic Tile - Tan w/Bk	10	2nd Floor	H220A	Wall Tile	Tan w/specks	
2359	H	17649	2nd Layer	Mastic - Yellow	10	2nd Floor	H220A	Wall Tile	Tan w/specks	
2360	H	17650	1st Layer	Ceramic Tile - Tan w/Bk	10	2nd Floor	H221	Wall Tile	Tan w/specks	
2361	H	17650	2nd Layer	Mastic - Yellow	10	2nd Floor	H221	Wall Tile	Tan w/specks	
2362	H	17651	1st Layer	Ceramic Tile - Tan w/Bk	10	2nd Floor	H224A	Wall Tile	Tan w/specks	2X6
2363	H	17651	2nd Layer	Mastic - Yellow	10	2nd Floor	H224A	Wall Tile	Tan w/specks	2X6
2364	H	17652	1st Layer	Ceramic Tile - Tan w/Bk	10	2nd Floor	H220A	Wall Tile	Tan w/specks	2X6
2365	H	17652	2nd Layer	Mastic - Yellow	10	2nd Floor	H220A	Wall Tile	Tan w/specks	2X6
2366	H	17653	1st Layer	Ceramic Tile - Tan w/Bk	10	2nd Floor	H219A	Wall Tile	Tan w/specks	2X6
2367	H	17653	2nd Layer	Mastic - Yellow	10	2nd Floor	H219A	Wall Tile	Tan w/specks	2X6
2368	H	17654	1st Layer	Ceramic Tile - Green	10	2nd Floor	H225A	Wall Tile	Green	4X4
2369	H	17654	2nd Layer	Mastic - Yellow	10	2nd Floor	H225A	Wall Tile	Green	4X4
2370	H	17655	1st Layer	Ceramic Tile - Green	10	2nd Floor	H222A	Wall Tile	Green	4X4
2371	H	17655	2nd Layer	Mastic - Yellow	10	2nd Floor	H222A	Wall Tile	Green	4X4
2372	H	17656	1st Layer	Ceramic Tile - Green	10	2nd Floor	H221	Wall Tile	Green	4X4
2373	H	17656	2nd Layer	Mastic - Yellow	10	2nd Floor	H221	Wall Tile	Green	4X4
2374	H	17657	1st Layer	Ceramic Tile - Green	10	2nd Floor	H225A	Wall Tile	Green	2X6
2375	H	17657	2nd Layer	Mastic - Yellow	10	2nd Floor	H225A	Wall Tile	Green	2X6
2376	H	17658	1st Layer	Ceramic Tile - Green	10	2nd Floor	H222A	Wall Tile	Green	2X6
2377	H	17658	2nd Layer	Mastic - Yellow	10	2nd Floor	H222A	Wall Tile	Green	2X6

	A	B	C	D	E	F Everything	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
2378	H	17659	1st Layer	Ceramic Tile - Green	10	2nd Floor	Wall Tile	Green	2X6
2379	H	17659	2nd Layer	Mastic - Yellow	10	2nd Floor	Wall Tile	Green	2X6
2380	H	17660	1st Layer	Formica - Woodgrain	0	2nd Floor	Hallway	Wood Grain	By window of H236
2381	H	17660	2nd Layer	Mastic - Yellow	0	2nd Floor	Hallway	Wood Grain	By window of H236
2382	H	17661	1st Layer	Formica - Woodgrain	0	2nd Floor	Hallway	Wood Grain	By window of H236
2383	H	17661	2nd Layer	Mastic - Yellow	0	2nd Floor	Hallway	Wood Grain	By window of H236
2384	H	17662	1st Layer	Formica - Woodgrain	0	2nd Floor	Hallway	Wood Grain	By window of H236
2385	H	17662	2nd Layer	Mastic - Yellow	0	2nd Floor	Hallway	Wood Grain	By window of H236
2386	H	17663	1st Layer	Formica - Mauve	0	2nd Floor	H241A	Pink	Countertop
2387	H	17663	2nd Layer	Mastic - Yellow	0	2nd Floor	H241A	Pink	Countertop
2388	H	17664	1st Layer	Formica - Mauve	0	2nd Floor	H240	Pink	Countertop
2389	H	17664	2nd Layer	Mastic - Yellow	0	2nd Floor	H240	Pink	Countertop
2390	H	17665	1st Layer	Formica - Mauve	0	2nd Floor	H237	Pink	Countertop
2391	H	17665	2nd Layer	Mastic - Yellow	0	2nd Floor	H237	Pink	Countertop
2392	H	17666	1st Layer	Floor Tile - White	0	2nd Floor	H241A	White	
2393	H	17666	2nd Layer	Mastic - Black	20	2nd Floor	H241A	White	
2394	H	17667	1st Layer	Floor Tile - White	0	2nd Floor	H237	White	
2395	H	17667	2nd Layer	Mastic - Black	20	2nd Floor	H237	White	
2396	H	17668	1st Layer	Floor Tile - White	0	2nd Floor	H238	White	
2397	H	17668	2nd Layer	Mastic - Black	20	2nd Floor	H238	White	
2398	H	17669	1st Layer	Floor Tile - Lt. Brown	10	2nd Floor	Hallway	Brown w/specks	Outside of H236
2399	H	17669	2nd Layer	Mastic - Yellow	10	2nd Floor	Hallway	Brown w/specks	Outside of H236
2400	H	17670	1st Layer	Floor Tile - Lt. Brown	10	2nd Floor	Hallway	Brown w/specks	Outside of H236
2401	H	17670	2nd Layer	Mastic - Yellow	10	2nd Floor	Hallway	Brown w/specks	Outside of H236
2402	H	17671	1st Layer	Floor Tile - Lt. Brown	10	2nd Floor	Hallway	Brown w/specks	Outside of H236
2403	H	17671	2nd Layer	Mastic - Yellow	10	2nd Floor	Hallway	Brown w/specks	Outside of H236
2404	H	17672	1st Layer	Floor Tile - Green	20	2nd Floor	H225	Green	9X9
2405	H	17672	2nd Layer	Mastic - Dark	10	2nd Floor	H225	Green	9X9
2406	H	17673	1st Layer	Floor Tile - Green	20	2nd Floor	H225	Green	9X9
2407	H	17673	2nd Layer	Mastic - Dark	10	2nd Floor	H225	Green	9X9
2408	H	17674	1st Layer	Floor Tile - Green	20	2nd Floor	H222	Green	9X9
2409	H	17674	2nd Layer	Mastic - Dark	10	2nd Floor	H222	Green	9X9
2410	H	17675	1st Layer	Floor Tile - White/Gray	0	2nd Floor	H220A	Tan	12X12
2411	H	17675	2nd Layer	Mastic - Yellow	0	2nd Floor	H220A	Tan	12X12
2412	H	17676	1st Layer	Floor Tile - White/Gray	0	2nd Floor	H220A	Tan	12X12
2413	H	17676	2nd Layer	Mastic - Yellow	0	2nd Floor	H220A	Tan	12X12
2414	H	17677	1st Layer	Floor Tile - White/Gray	0	2nd Floor	H220A	Tan	12X12
2415	H	17677	2nd Layer	Mastic - Yellow	0	2nd Floor	H220A	Tan	12X12
2416	H	17678	1st Layer	Floor Tile - Tan	10	2nd Floor	H228	Tan	9X9
2417	H	17678	2nd Layer	Mastic - Yellow	10	2nd Floor	H228	Tan	9X9
2418	H	17679	1st Layer	Floor Tile - Tan	10	2nd Floor	H228	Tan	9X9
2419	H	17679	2nd Layer	Mastic - Yellow	10	2nd Floor	H228	Tan	9X9
2420	H	17680	1st Layer	Floor Tile - Tan	10	2nd Floor	H228	Tan	9X9
2421	H	17680	2nd Layer	Mastic - Yellow	10	2nd Floor	H228	Tan	9X9

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Field Description
2422	H	17681	1st Layer	Carpet - Brown	0	2nd Floor	Stairwell	Carpet	Brown
2423	H	17681	2nd Layer	Mastic - Yellow		0	2nd Floor	Stairwell	Brown
2424	H	17682	1st Layer	Carpet - Brown		0	2nd Floor	Stairwell	Brown
2425	H	17682	2nd Layer	Mastic - Yellow		0	2nd Floor	Stairwell	Brown
2426	H	17683	1st Layer	Carpet - Brown		0	2nd Floor	Stairwell	Brown
2427	H	17683	2nd Layer	Mastic - Yellow		0	2nd Floor	Stairwell	Brown
2428	H	17684	1st Layer	Carpet - Dark Gray		0	2nd Floor	Stairwell	Blue/Gray
2429	H	17684	2nd Layer	Mastic - Yellow		0	2nd Floor	Stairwell	Blue/Gray
2430	H	17685	1st Layer	Carpet - Dark Gray		0	2nd Floor	Hallway	Blue/Gray
2431	H	17685	2nd Layer	Mastic - Yellow		0	2nd Floor	Hallway	Blue/Gray
2432	H	17686	1st Layer	Carpet - Dark Gray		0	2nd Floor	Hallway	Blue/Gray
2433	H	17686	2nd Layer	Mastic - Yellow		0	2nd Floor	Hallway	Blue/Gray
2434	H	17687	1st Layer	Baseboard - Taupe		0	2nd Floor	Hallway	Gray
2435	H	17687	2nd Layer	Mastic - Yellow		0	2nd Floor	Hallway	Gray
2436	H	17688	1st Layer	Baseboard - Taupe		0	2nd Floor	Hallway	Gray
2437	H	17688	2nd Layer	Mastic - Yellow		0	2nd Floor	Hallway	Gray
2438	H	17689	1st Layer	Baseboard - Taupe		0	2nd Floor	Hallway	Gray
2439	H	17689	2nd Layer	Mastic - Yellow		0	2nd Floor	Hallway	Gray
2440	H	17690	1st Layer	Baseboard - Gray		0	2nd Floor	Hallway	Gray
2441	H	17690	2nd Layer	Mastic - Yellow		0	2nd Floor	Hallway	Gray
2442	H	17691	1st Layer	Baseboard - Gray		0	2nd Floor	Hallway	Lt. Green
2443	H	17691	2nd Layer	Mastic - Yellow		0	2nd Floor	Hallway	Lt. Green
2444	H	17692	1st Layer	Baseboard - Gray		0	2nd Floor	Hallway	Lt. Green
2445	H	17692	2nd Layer	Mastic - Yellow		0	2nd Floor	Hallway	Lt. Green
2446	H	17693	1st Layer	Baseboard - Brown		0	2nd Floor	Hallway	Drk. Brown
2447	H	17693	2nd Layer	Mastic - Yellow		0	2nd Floor	Hallway	Drk. Brown
2448	H	17694	1st Layer	Baseboard - Brown		0	2nd Floor	Hallway	Drk. Brown
2449	H	17694	2nd Layer	Mastic - Yellow		0	2nd Floor	Hallway	Drk. Brown
2450	H	17695	1st Layer	Baseboard - Brown		0	2nd Floor	Hallway	Drk. Brown
2451	H	17695	2nd Layer	Mastic - Yellow		0	2nd Floor	Hallway	Drk. Brown
2452	H	17696	1st Layer	Baseboard - Taupe		0	2nd Floor	H228	Lt. Brown
2453	H	17696	2nd Layer	Mastic - Yellow		0	2nd Floor	H228	Lt. Brown
2454	H	17697	1st Layer	Baseboard - Taupe		0	2nd Floor	H228	Lt. Brown
2455	H	17697	2nd Layer	Mastic - Yellow		0	2nd Floor	H228	Lt. Brown
2456	H	17698	1st Layer	Baseboard - Taupe		0	2nd Floor	H228	Lt. Brown
2457	H	17698	2nd Layer	Mastic - Yellow		0	2nd Floor	H228	Lt. Brown
2458	H	17699	1st Layer	Wallpaper - Cream		0	2nd Floor	Hallway	White
2459	H	17699	2nd Layer	Sheetrock		30	2nd Floor	Hallway	White
2460	H	17699	3rd Layer	Paper Backing		0	2nd Floor	Hallway	White
2461	H	17700	1st Layer	Wallpaper - Cream		0	2nd Floor	Hallway	White
2462	H	17700	2nd Layer	Sheetrock		30	2nd Floor	Hallway	White
2463	H	17700	3rd Layer	Paper Backing		0	2nd Floor	Hallway	White
2464	H	17701	1st Layer	Wallpaper - Cream		0	2nd Floor	Hallway	White
2465	H	17701	2nd Layer	Sheetrock		40	2nd Floor	Hallway	White

	A	B	C	D	E	F Everything	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
2466	H	17701	3rd Layer	Paper Backing		0 2nd Floor	Hallway	Sheetrock	White	By Elevator
2467	H	17702	1st Layer	Ceiling Material		40 2nd Floor	Hallway	Ceiling Tile	White	1X1 - With holes
2468	H	17703	1st Layer	Ceiling Material		40 2nd Floor	Hallway	Ceiling Tile	White	1X1 - With holes
2469	H	17704	1st Layer	Ceiling Material		60 2nd Floor	Hallway	Ceiling Tile	White	1X1 - With holes
2470	H	17705	1st Layer	Ceiling Material		10 2nd Floor	Hallway	Ceiling Tile	White	1X1 - Without holes
2471	H	17706	1st Layer	Ceiling Material		10 2nd Floor	Hallway	Ceiling Tile	White	1X1 - Without holes
2472	H	17707	1st Layer	Ceiling Material		10 2nd Floor	Hallway	Ceiling Tile	White	1X1 - Without holes
2473	H	17708	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	1X1 - Acoustic Tile
2474	H	17708	2nd Layer	Mastic - Dark		10 2nd Floor	Hallway	Ceiling Tile	White	1X1 - Acoustic Tile
2475	H	17709	1st Layer	Ceiling Material - White	Trace	2nd Floor	Hallway	Ceiling Tile	White	1X1 - Acoustic Tile
2476	H	17709	2nd Layer	Mastic - Dark		10 2nd Floor	Hallway	Ceiling Tile	White	1X1 - Acoustic Tile
2477	H	17710	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	1X1 - Acoustic Tile
2478	H	17710	2nd Layer	Mastic - Dark		10 2nd Floor	Hallway	Ceiling Tile	White	1X1 - Acoustic Tile
2479	H	17711	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X4 - Acoustic Tile
2480	H	17712	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X4 - Acoustic Tile
2481	H	17713	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X4 - Acoustic Tile
2482	H	17714	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X4 - Acoustic Tile - Newer
2483	H	17715	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X4 - Acoustic Tile - Newer
2484	H	17716	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X4 - Acoustic Tile - Newer
2485	H	17717	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X2 - Acoustic Tile
2486	H	17718	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X2 - Acoustic Tile
2487	H	17719	1st Layer	Ceiling Material - White		0 2nd Floor	Hallway	Ceiling Tile	White	2X2 - Acoustic Tile
2488	H	17720	1st Layer	Paint - White		0 3rd Floor	Hallway	Paint	Cream	Next to H359
2489	H	17720	2nd Layer	Sheetrock		10 3rd Floor	Hallway	Paint	Cream	Next to H359
2490	H	17720	3rd Layer	Paper Backing		0 3rd Floor	Hallway	Paint	Cream	Next to H359
2491	H	17721	1st Layer	Paint - White		0 3rd Floor	Hallway	Paint	Cream	Across from H358
2492	H	17721	2nd Layer	Sheetrock		10 3rd Floor	Hallway	Paint	Cream	Across from H358
2493	H	17721	3rd Layer	Paper Backing		0 3rd Floor	Hallway	Paint	Cream	Across from H358
2494	H	17722	1st Layer	Paint - Beige		0 3rd Floor	Hallway	Paint	Cream	Next to H355
2495	H	17723	1st Layer	Paint - Beige		0 3rd Floor	Hallway	Paint	Cream	Next to H344
2496	H	17724	1st Layer	Paint - Beige		0 3rd Floor	Hallway	Paint	Cream	Next to H352
2497	H	17725	1st Layer	Paint - Cream		0 3rd Floor	Hallway	Paint	Cream	
2498	H	17726	1st Layer	Paint - Cream		0 3rd Floor	H352	Paint	Cream	On Plaster
2499	H	17727	1st Layer	Paint - Cream		0 3rd Floor	H343	Paint	White	On sheetrock
2500	H	17728	1st Layer	Paint - White		0 3rd Floor	H343	Paint	White	On sheetrock
2501	H	17728	2nd Layer	Sheetrock		40 3rd Floor	H343	Paint	White	On sheetrock
2502	H	17728	3rd Layer	Paper Backing		0 3rd Floor	H343	Paint	White	On sheetrock
2503	H	17729	1st Layer	Paint - White		0 3rd Floor	H343	Paint	White	On sheetrock
2504	H	17729	2nd Layer	Sheetrock		40 3rd Floor	H343	Paint	White	On sheetrock
2505	H	17729	3rd Layer	Paper Backing		0 3rd Floor	H343	Paint	White	On sheetrock
2506	H	17730	1st Layer	Paint - Brown/Green		0 3rd Floor	H344	Paint	Brown	Door frame
2507	H	17731	1st Layer	Paint - Brown/Green		0 3rd Floor	Hallway	Paint	Brown	Outside Stairwell
2508	H	17732	1st Layer	Paint - Brown/Green		0 3rd Floor	Hallway	Paint	Brown	Outside H358
2509	H	17733	1st Layer	Paint - Green		0 3rd Floor	Stairwell	Paint	Green	Railing

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1									
2510	H	17734	1st Layer	Paint - Green		0 3rd Floor	Stairwell Paint	Green	Railing
2511	H	17735	1st Layer	Paint - Green		0 3rd Floor	Stairwell Paint	Green	Railing
2512	H	17736	1st Layer	Paint - Green		0 3rd Floor	Stairwell Paint	Green	On Plaster
2513	H	17736	2nd Layer	Plaster		10 3rd Floor	Stairwell Paint	Green	On Plaster
2514	H	17737	1st Layer	Paint - Green		0 3rd Floor	Stairwell Paint	Green	On Plaster
2515	H	17737	2nd Layer	Plaster		10 3rd Floor	Stairwell Paint	Green	On Plaster
2516	H	17738	1st Layer	Paint - Green		0 3rd Floor	Stairwell Paint	Green	On Plaster
2517	H	17738	2nd Layer	Plaster		10 3rd Floor	Stairwell Paint	Green	On Plaster
2518	H	17739	1st Layer	Paint - White		0 3rd Floor	H342 Paint	White	Ceiling Paint
2519	H	17740	1st Layer	Paint - White		0 3rd Floor	H341 Paint	White	Ceiling Paint
2520	H	17741	1st Layer	Paint - White		0 3rd Floor	H344 Paint	White	Ceiling Paint
2521	H	17742	1st Layer	Ceramic Tile - White		10 3rd Floor	H347 Ceramic Tile	White	3X6 Bullnose
2522	H	17742	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	White	3X6 Bullnose
2523	H	17743	1st Layer	Ceramic Tile - White		10 3rd Floor	H347 Ceramic Tile	White	3X6 Bullnose
2524	H	17743	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	White	3X6 Bullnose
2525	H	17744	1st Layer	Ceramic Tile - White		10 3rd Floor	H347 Ceramic Tile	White	3X6 Bullnose
2526	H	17744	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	White	3X6 Bullnose
2527	H	17745	1st Layer	Ceramic Tile - White		10 3rd Floor	H347 Ceramic Tile	White	3X6
2528	H	17745	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	White	3X6
2529	H	17746	1st Layer	Ceramic Tile - White		10 3rd Floor	H347 Ceramic Tile	White	3X6
2530	H	17746	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	White	3X6
2531	H	17747	1st Layer	Ceramic Tile - White		10 3rd Floor	H347 Ceramic Tile	White	3X6
2532	H	17747	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	White	3X6
2533	H	17748	1st Layer	Ceramic Tile - Green		10 3rd Floor	H347 Ceramic Tile	Cream	3X6 Bullnose
2534	H	17748	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	Cream	3X6 Bullnose
2535	H	17749	1st Layer	Ceramic Tile - Green		10 3rd Floor	H347 Ceramic Tile	Cream	3X6 Bullnose
2536	H	17749	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	Cream	3X6 Bullnose
2537	H	17750	1st Layer	Ceramic Tile - Green		10 3rd Floor	H347 Ceramic Tile	Cream	3X6 Bullnose
2538	H	17750	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	Cream	3X6 Bullnose
2539	H	17751	1st Layer	Ceramic Tile - Green		10 3rd Floor	H347 Ceramic Tile	Cream	3X6
2540	H	17751	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	Cream	3X6
2541	H	17752	1st Layer	Ceramic Tile - Green		10 3rd Floor	H347 Ceramic Tile	Cream	3X6
2542	H	17752	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	Cream	3X6
2543	H	17753	1st Layer	Ceramic Tile - Green		10 3rd Floor	H347 Ceramic Tile	Cream	3X6
2544	H	17753	2nd Layer	Mastic - White		10 3rd Floor	H347 Ceramic Tile	Cream	3X6
2545	H	17754	1st Layer	Ceramic Tile - Tan w/Bi		10 3rd Floor	H341 Ceramic Tile	Brown w/Specs	4X4
2546	H	17754	2nd Layer	Mastic - Yellow		10 3rd Floor	H341 Ceramic Tile	Brown w/Specs	4X4
2547	H	17755	1st Layer	Ceramic Tile - Tan w/Bi		10 3rd Floor	H356 Ceramic Tile	Brown w/Specs	4X4
2548	H	17755	2nd Layer	Mastic - Yellow		10 3rd Floor	H356 Ceramic Tile	Brown w/Specs	4X4
2549	H	17756	1st Layer	Ceramic Tile - Tan w/Bi		10 3rd Floor	H354A Ceramic Tile	Brown w/Specs	4X4
2550	H	17756	2nd Layer	Mastic - Yellow		10 3rd Floor	H354A Ceramic Tile	Brown w/Specs	4X4
2551	H	17757	1st Layer	Ceramic Tile - Tan w/Bi		10 3rd Floor	H356 Ceramic Tile	Brown w/Specs	4X4
2552	H	17757	2nd Layer	Mastic - Yellow		10 3rd Floor	H356 Ceramic Tile	Brown w/Specs	4X4
2553	H	17758	1st Layer	Ceramic Tile - Tan w/Bi		10 3rd Floor	H354A Ceramic Tile	Brown w/Specs	4X4

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
2554	H	17758	2nd Layer	Mastic - Yellow		10 3rd Floor	H354A	Ceramic Tile	Brown w/Specs	4X4
2555	H	17759	1st Layer	Ceramic Tile - Tan w/B		10 3rd Floor	H350	Ceramic Tile	Brown w/Specs	4X4
2556	H	17759	2nd Layer	Mastic - Yellow		10 3rd Floor	H350	Ceramic Tile	Brown w/Specs	4X4
2557	H	17760	1st Layer	Ceramic Tile - Green		10 3rd Floor	H357	Ceramic Tile	Green	2X6
2558	H	17760	2nd Layer	Mastic - Yellow		10 3rd Floor	H357	Ceramic Tile	Green	2X6
2559	H	17761	1st Layer	Ceramic Tile - Green		10 3rd Floor	H344	Ceramic Tile	Green	2X6
2560	H	17761	2nd Layer	Mastic - Yellow		15 3rd Floor	H344	Ceramic Tile	Green	2X6
2561	H	17762	1st Layer	Ceramic Tile - Green		10 3rd Floor	H355	Ceramic Tile	Green	2X6
2562	H	17762	2nd Layer	Mastic - Yellow		10 3rd Floor	H355	Ceramic Tile	Green	2X6
2563	H	17763	1st Layer	Ceramic Tile - Green		10 3rd Floor	H357	Ceramic Tile	Green	4X4
2564	H	17763	2nd Layer	Mastic - Yellow		10 3rd Floor	H357	Ceramic Tile	Green	4X4
2565	H	17764	1st Layer	Ceramic Tile - Green		10 3rd Floor	H344	Ceramic Tile	Green	4X4
2566	H	17764	2nd Layer	Mastic - Yellow		10 3rd Floor	H344	Ceramic Tile	Green	4X4
2567	H	17765	1st Layer	Ceramic Tile - Green		10 3rd Floor	H355	Ceramic Tile	Green	4X4
2568	H	17765	2nd Layer	Mastic - Yellow		10 3rd Floor	H355	Ceramic Tile	Green	4X4
2569	H	17766	1st Layer	Floor Tile - Cream		10 3rd Floor	H342	Vinyl Tile	Cream	9X9
2570	H	17766	2nd Layer	Mastic - Yellow		20 3rd Floor	H342	Vinyl Tile	Cream	9X9
2571	H	17767	1st Layer	Floor Tile - Cream		10 3rd Floor	H342	Vinyl Tile	Cream	9X9
2572	H	17767	2nd Layer	Mastic - Yellow		10 3rd Floor	H342	Vinyl Tile	Cream	9X9
2573	H	17768	1st Layer	Floor Tile - Cream		10 3rd Floor	H342	Vinyl Tile	Cream	9X9
2574	H	17768	2nd Layer	Mastic - Yellow		10 3rd Floor	H342	Vinyl Tile	Cream	9X9
2575	H	17769	1st Layer	Floor Tile - Brown		15 3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 341
2576	H	17769	2nd Layer	Mastic - Black		10 3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 341
2577	H	17770	1st Layer	Floor Tile - Brown		10 3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 359
2578	H	17770	2nd Layer	Mastic - Black		10 3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 359
2579	H	17771	1st Layer	Floor Tile - Brown		10 3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 357
2580	H	17771	2nd Layer	Mastic - Black		10 3rd Floor	Hallway	Vinyl Tile	Brown	9X9 Outside 357
2581	H	17772	1st Layer	Floor Tile - Green		10 3rd Floor	H344	Vinyl Tile	Green	9X9
2582	H	17772	2nd Layer	Mastic - Yellow		10 3rd Floor	H344	Vinyl Tile	Green	9X9
2583	H	17773	1st Layer	Floor Tile - Green		10 3rd Floor	H346	Vinyl Tile	Green	9X9
2584	H	17773	2nd Layer	Mastic - Yellow		10 3rd Floor	H346	Vinyl Tile	Green	9X9
2585	H	17774	1st Layer	Floor Tile - Green		10 3rd Floor	H355	Vinyl Tile	Green	9X9
2586	H	17774	2nd Layer	Mastic - Yellow		10 3rd Floor	H355	Vinyl Tile	Green	9X9
2587	H	17775	1st Layer	Baseboard - Brown		0 3rd Floor	H342	Baseboard	Brown	6"
2588	H	17775	2nd Layer	Mastic - Yellow	Trace	3rd Floor	H342	Baseboard	Brown	6"
2589	H	17776	1st Layer	Baseboard - Brown		0 3rd Floor	Hallway	Baseboard	Brown	6" Outside 341
2590	H	17776	2nd Layer	Mastic - Yellow		0 3rd Floor	Hallway	Baseboard	Brown	6" Outside 341
2591	H	17777	1st Layer	Baseboard - Brown		0 3rd Floor	Hallway	Baseboard	Brown	6" Outside 358
2592	H	17777	2nd Layer	Mastic - Yellow		0 3rd Floor	Hallway	Baseboard	Brown	6" Outside 358
2593	H	17778	1st Layer	Baseboard - Brown		0 3rd Floor	H358	Baseboard	Brown	4"
2594	H	17778	2nd Layer	Mastic - Yellow		0 3rd Floor	H358	Baseboard	Brown	4"
2595	H	17779	1st Layer	Baseboard - Brown		0 3rd Floor	H344	Baseboard	Brown	4"
2596	H	17779	2nd Layer	Mastic - Yellow		0 3rd Floor	H344	Baseboard	Brown	4"
2597	H	17780	1st Layer	Baseboard - Brown		0 3rd Floor	H345	Baseboard	Brown	4"

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	H	17780	2nd Layer	Mastic - Yellow		0 3rd Floor	H345	Baseboard	Brown	4"
2598	H	17781	1st Layer	Ceiling Material - White		0 3rd Floor	Hallway	Ceiling Tile	White	2X2 Outside roof access door
2599	H	17782	1st Layer	Ceiling Material - White		0 3rd Floor	Hallway	Ceiling Tile	White	2X2 Outside 358
2600	H	17783	1st Layer	Ceiling Material - White		0 3rd Floor	Hallway	Ceiling Tile	White	2X2 Outside 345
2601	H	17784	1st Layer	Ceiling Material - White		0 3rd Floor	Hallway	CT Adhesive	Brown	Next to 359
2602	H	17784	2nd Layer	Mastic - Dark		10 3rd Floor	Hallway	CT Adhesive	Brown	Next to 359
2603	H	17785	1st Layer	Ceiling Material - White		0 3rd Floor	Hallway	CT Adhesive	Brown	Outside 357
2604	H	17785	2nd Layer	Mastic - Dark		10 3rd Floor	Hallway	CT Adhesive	Brown	Outside 357
2605	H	17786	1st Layer	Ceiling Material - White		0 3rd Floor	Hallway	CT Adhesive	Brown	Outside
2606	H	17786	2nd Layer	Mastic - Dark		10 3rd Floor	Hallway	CT Adhesive	Brown	Outside
2607	H	17787	1st Layer	Felt Backing		50 3rd Floor	H346	Felt	Black	Behind Wall
2608	H	17788	1st Layer	Felt Backing		50 3rd Floor	H346	Felt	Black	Behind Wall
2609	H	17789	1st Layer	Felt Backing		40 3rd Floor	H346	Felt	Black	Behind Wall
2610	H	17790	1st Layer	Paint - Lt. Green		0 3rd Floor	Stairwell	Paint	Lt. Green	
2611	H	17791	1st Layer	Paint - Lt. Green		0 3rd Floor	Stairwell	Paint	Lt. Green	
2612	H	17792	1st Layer	Paint - Lt. Green		0 3rd Floor	Stairwell	Paint	Lt. Green	
2613	H	17793	1st Layer	Paint - Lt. Green		0 3rd Floor	Stairwell	Paint	Lt. Green	
2614	H	17794	1st Layer	Paint - Dark Green		0 3rd Floor	Stairwell	Paint	Dark Green	
2615	H	17795	1st Layer	Paint - Dark Green		0 3rd Floor	Stairwell	Paint	Dark Green	
2616	H	17796	1st Layer	Paint - Dark Green		0 3rd Floor	Stairwell	Paint	Dark Green	
2617	H	17797	1st Layer	Paint - Multi Brown		0 3rd Floor	Stairwell	Paint	Brown	
2618	H	17798	1st Layer	Paint - Multi Brown		0 3rd Floor	Stairwell	Paint	Brown	
2619	H	17799	1st Layer	Paint - Multi Brown		0 3rd Floor	Stairwell	Paint	Brown	
2620	H	17800	1st Layer	Paint - Multi Brown		0 3rd Floor	Stairwell	Paint	White	
2621	H	17801	1st Layer	Paint - Tan		0 3rd Floor	Stairwell	Paint	White	
2622	H	17802	1st Layer	Paint - Tan		0 3rd Floor	Stairwell	Paint	White	
2623	H	17803	1st Layer	Paint - Tan		0 3rd Floor	H329	Paint	Cream	Ceiling
2624	H	17804	1st Layer	Paint - Lt. Green		0 3rd Floor	H328	Paint	Cream	Ceiling
2625	H	17805	1st Layer	Paint - Lt. Green		0 3rd Floor	H327	Paint	Cream	Ceiling
2626	H	17806	1st Layer	Wallpaper - Green		15 3rd Floor	Hallway	Wallpaper	Green	Outside 327
2627	H	17807	1st Layer	Wallpaper - Green		10 3rd Floor	Hallway	Wallpaper	Green	Outside 329
2628	H	17808	1st Layer	Wallpaper - Green		20 3rd Floor	Hallway	Wallpaper	Green	Outside 330
2629	H	17809	1st Layer	Ceramic Tile - Green		10 3rd Floor	H328	Ceramic Tile	Green	2X6 Top Bullnose
2630	H	17809	2nd Layer	Mastic - Yellow		10 3rd Floor	H328	Ceramic Tile	Green	2X6 Top Bullnose
2631	H	17810	1st Layer	Ceramic Tile - Green		10 3rd Floor	H329	Ceramic Tile	Green	2X6 Top Bullnose
2632	H	17810	2nd Layer	Mastic - Yellow		10 3rd Floor	H329	Ceramic Tile	Green	2X6 Top Bullnose
2633	H	17811	1st Layer	Ceramic Tile - Green		10 3rd Floor	H329	Ceramic Tile	Green	2X6 Top Bullnose
2634	H	17811	2nd Layer	Mastic - Yellow		10 3rd Floor	H329	Ceramic Tile	Green	2X6 Top Bullnose
2635	H	17812	1st Layer	Ceramic Tile - Green		10 3rd Floor	H328	Ceramic Tile	Green	2X6
2636	H	17813	1st Layer	Ceramic Tile - Green		10 3rd Floor	H329	Ceramic Tile	Green	2X6
2637	H	17814	1st Layer	Ceramic Tile - Green		15 3rd Floor	H329	Ceramic Tile	Green	2X6
2638	H	17815	1st Layer	Ceramic Tile - Green		10 3rd Floor	H328	Ceramic Tile	Green	1X6 Top Bullnose
2639	H	17815	2nd Layer	Mastic - ????		15 3rd Floor	H328	Ceramic Tile	Green	1X6 Top Bullnose
2640	H	17816	1st Layer	Ceramic Tile - Green		10 3rd Floor	H329	Ceramic Tile	Green	1X6 Top Bullnose

	A	B	C	D	E	F Everything	H	I	J	
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
2642	H	17816	2nd Layer	Mastic - ????		15 3rd Floor	H329	Ceramic Tile	Green	1X6 Top Bullnose
2643	H	17817	1st Layer	Ceramic Tile - Green		10 3rd Floor	H329	Ceramic Tile	Green	1X6 Top Bullnose
2644	H	17817	2nd Layer	Mastic - ????		15 3rd Floor	H329	Ceramic Tile	Green	1X6 Top Bullnose
2645	H	17818	1st Layer	Ceramic Tile - Green		10 3rd Floor	H328	Ceramic Tile	Green	2X6 Side Bullnose
2646	H	17818	2nd Layer	Mastic - ????		15 3rd Floor	H328	Ceramic Tile	Green	2X6 Side Bullnose
2647	H	17819	1st Layer	Ceramic Tile - Green		10 3rd Floor	H329	Ceramic Tile	Green	2X6 Side Bullnose
2648	H	17819	2nd Layer	Mastic - ????		15 3rd Floor	H329	Ceramic Tile	Green	2X6 Side Bullnose
2649	H	17820	1st Layer	Ceramic Tile - Green		10 3rd Floor	H329	Ceramic Tile	Green	2X6 Side Bullnose
2650	H	17820	2nd Layer	Mastic - ????		15 3rd Floor	H329	Ceramic Tile	Green	2X6 Side Bullnose
2651	H	17821	1st Layer	Ceramic Tile - Black		10 3rd Floor	H332	Ceramic Tile	Black	6X6 Base Tile
2652	H	17821	2nd Layer	Mastic - ????		10 3rd Floor	H332	Ceramic Tile	Black	6X6 Base Tile
2653	H	17822	1st Layer	Ceramic Tile - Black		10 3rd Floor	H332	Ceramic Tile	Black	6X6 Base Tile
2654	H	17822	2nd Layer	Mastic - ????		10 3rd Floor	H332	Ceramic Tile	Black	6X6 Base Tile
2655	H	17823	1st Layer	Ceramic Tile - Black		10 3rd Floor	H332	Ceramic Tile	Black	6X6 Base Tile
2656	H	17823	2nd Layer	Mastic - ????		10 3rd Floor	H332	Ceramic Tile	Black	6X6 Base Tile
2657	H	17824	1st Layer	Ceramic Tile - White		10 3rd Floor	H332	Ceramic Tile	White	2X6 Bullnose
2658	H	17824	2nd Layer	Mastic - ????		10 3rd Floor	H332	Ceramic Tile	White	2X6 Bullnose
2659	H	17825	1st Layer	Ceramic Tile - White		10 3rd Floor	H332	Ceramic Tile	White	2X6 Bullnose
2660	H	17825	2nd Layer	Mastic - ????		10 3rd Floor	H332	Ceramic Tile	White	2X6 Bullnose
2661	H	17826	1st Layer	Ceramic Tile - White		10 3rd Floor	H332	Ceramic Tile	White	2X6 Bullnose
2662	H	17826	2nd Layer	Mastic - ????		10 3rd Floor	H332	Ceramic Tile	White	2X6 Bullnose
2663	H	17827	1st Layer	Ceramic Tile - White		10 3rd Floor	H332	Ceramic Tile	White	4X4
2664	H	17827	2nd Layer	Mastic - ????		15 3rd Floor	H332	Ceramic Tile	White	4X4
2665	H	17828	1st Layer	Ceramic Tile - White		10 3rd Floor	H332	Ceramic Tile	White	4X4
2666	H	17828	2nd Layer	Mastic - ????		15 3rd Floor	H332	Ceramic Tile	White	4X4
2667	H	17829	1st Layer	Ceramic Tile - White		10 3rd Floor	H332	Ceramic Tile	White	4X4
2668	H	17829	2nd Layer	Mastic - ????		15 3rd Floor	H332	Ceramic Tile	White	4X4
2669	H	17830	1st Layer	Floor Tile - White		10 3rd Floor	H332	Vinyl Tile	White	9X9
2670	H	17830	2nd Layer	Mastic - Black		20 3rd Floor	H332	Vinyl Tile	White	9X9
2671	H	17831	1st Layer	Floor Tile - White		10 3rd Floor	H332	Vinyl Tile	White	9X9
2672	H	17831	2nd Layer	Mastic - Black		20 3rd Floor	H332	Vinyl Tile	White	9X9
2673	H	17832	1st Layer	Floor Tile - White		10 3rd Floor	H332	Vinyl Tile	White	9X9
2674	H	17832	2nd Layer	Mastic - Black		20 3rd Floor	H332	Vinyl Tile	White	9X9
2675	H	17833	1st Layer	Floor Tile - Green w/Black		10 3rd Floor	Hallway	Vinyl Tile	Green	9X9 - Br. Tile underneath
2676	H	17833	2nd Layer	Mastic - ????		10 3rd Floor	Hallway	Vinyl Tile	Green	9X9 - Br. Tile underneath
2677	H	17833	3rd Layer	Roll Vinyl - ????	Trace	3rd Floor	Hallway	Vinyl Tile	Green	9X9 - Br. Tile underneath
2678	H	17834	1st Layer	Floor Tile - Green w/Black		10 3rd Floor	H328	Vinyl Tile	Green	9X9 - Br. Tile underneath
2679	H	17834	2nd Layer	Mastic - ????		10 3rd Floor	H328	Vinyl Tile	Green	9X9 - Br. Tile underneath
2680	H	17835	1st Layer	Floor Tile - Green w/Black		10 3rd Floor	H327	Vinyl Tile	Green	9X9 - Br. Tile underneath
2681	H	17835	2nd Layer	Mastic - ????		10 3rd Floor	H327	Vinyl Tile	Green	9X9 - Br. Tile underneath
2682	H	17836	1st Layer	Mineral Wool		0 3rd Floor	Hallway	Ceiling Tile	White	1X2 Outside H326
2683	H	17837	1st Layer	Mineral Wool		0 3rd Floor	Hallway	Ceiling Tile	White	1X2 Outside H341
2684	H	17838	1st Layer	Mineral Wool		0 3rd Floor	Hallway	Ceiling Tile	White	1X2 Outside H341
2685	H	17839	1st Layer	Baseboard - Black		0 3rd Floor	Hallway	Baseboard	Black	6" Outside 330

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1										
2686	H	17839	2nd Layer	Mastic - Yellow		10 3rd Floor	Hallway	Baseboard	Black	6" Outside 330
2687	H	17840	1st Layer	Baseboard - Black		0 3rd Floor	Hallway	Baseboard	Black	6" Outside 328
2688	H	17840	2nd Layer	Mastic - Yellow		10 3rd Floor	Hallway	Baseboard	Black	6" Outside 328
2689	H	17841	1st Layer	Baseboard - Black		0 3rd Floor	H335	Baseboard	Black	6"
2690	H	17841	2nd Layer	Mastic - Yellow		10 3rd Floor	H335	Baseboard	Black	6"
2691	H	17842	1st Layer	Baseboard - Black		0 3rd Floor	H327	Baseboard	Black	4"
2692	H	17842	2nd Layer	Mastic - Yellow	Trace	3rd Floor	H327	Baseboard	Black	4"
2693	H	17843	1st Layer	Baseboard - Black		0 3rd Floor	H327	Baseboard	Black	4"
2694	H	17843	2nd Layer	Mastic - Yellow	Trace	3rd Floor	H327	Baseboard	Black	4"
2695	H	17844	1st Layer	Baseboard - Black		0 3rd Floor	H327	Baseboard	Black	4"
2696	H	17844	2nd Layer	Mastic - Yellow	Trace	3rd Floor	H327	Baseboard	Black	4"
2697	H	17845	1st Layer	Ceiling Material - White		0 3rd Floor	Hallway	Ceiling Tile	White	2X2 Btw 336-339
2698	H	17845	2nd Layer	??????????????		0 3rd Floor	Hallway	Ceiling Tile	White	2X2 Btw 336-339
2699	H	17846	1st Layer	Ceiling Material - White		0 3rd Floor	Hallway	Ceiling Tile	White	2X2 Btw 336-339
2700	H	17846	2nd Layer	??????????????		0 3rd Floor	Hallway	Ceiling Tile	White	2X2 Btw 336-339
2701	H	17847	1st Layer	Ceiling Material - White		0 3rd Floor	Hallway	Ceiling Tile	White	2X2 Btw 336-339
2702	H	17847	2nd Layer	??????????????		0 3rd Floor	Hallway	Ceiling Tile	White	2X2 Btw 336-339
2703	H	17848	1st Layer	Ceiling Material - White		0 3rd Floor	H333	Ceiling Tile	White	2X4
2704	H	17848	2nd Layer	??????????????		0 3rd Floor	H333	Ceiling Tile	White	2X4
2705	H	17849	1st Layer	Ceiling Material - White		0 3rd Floor	H333	Ceiling Tile	White	2X4
2706	H	17849	2nd Layer	??????????????		0 3rd Floor	H333	Ceiling Tile	White	2X4
2707	H	17850	1st Layer	Ceiling Material - White		0 3rd Floor	H333	Ceiling Tile	White	2X4
2708	H	17850	2nd Layer	??????????????		0 3rd Floor	H333	Ceiling Tile	White	2X4
2709	H	17851	1st Layer	Baseboard - Tan		10 3rd Floor	H341	Baseboard	Green	4"
2710	H	17851	2nd Layer	Paint - Green		10 3rd Floor	H341	Baseboard	Green	4"
2711	H	17851	3rd Layer	Mastic - Dark		10 3rd Floor	H341	Baseboard	Green	4"
2712	H	17852	1st Layer	Baseboard - Tan		10 3rd Floor	H341	Baseboard	Green	4"
2713	H	17852	2nd Layer	Paint - Green		10 3rd Floor	H341	Baseboard	Green	4"
2714	H	17852	3rd Layer	Mastic - Dark		10 3rd Floor	H341	Baseboard	Green	4"
2715	H	17853	1st Layer	Baseboard - Tan		10 3rd Floor	H341	Baseboard	Green	4"
2716	H	17853	2nd Layer	Paint - Green		10 3rd Floor	H341	Baseboard	Green	4"
2717	H	17853	3rd Layer	Mastic - Dark		10 3rd Floor	H341	Baseboard	Green	4"
2718	H	17854	1st Layer	Ceiling Material - White		0 3rd Floor	H341	Ceiling Tile	White	1X1 - Unique
2719	H	17854	2nd Layer	Mastic - Dark		10 3rd Floor	H341	Ceiling Tile	White	1X1 - Unique
2720	H	17855	1st Layer	Ceiling Material - White		0 3rd Floor	H341	Ceiling Tile	White	1X1 - Unique
2721	H	17855	2nd Layer	Mastic - Dark		10 3rd Floor	H341	Ceiling Tile	White	1X1 - Unique
2722	H	17856	1st Layer	Ceiling Material - White		0 3rd Floor	H341	Ceiling Tile	White	1X1 - Unique
2723	H	17856	2nd Layer	Mastic - Dark		10 3rd Floor	H341	Ceiling Tile	White	1X1 - Unique
2724	H	17857	1st Layer	Baseboard - Tan / Green		0 3rd Floor	Hallway	Baseboard	Green	6" Btw 337-339
2725	H	17857	2nd Layer	Mastic - Dark		10 3rd Floor	Hallway	Baseboard	Green	6" Btw 337-339
2726	H	17858	1st Layer	Baseboard - Tan / Green		0 3rd Floor	Hallway	Baseboard	Green	6" Btw 337-339
2727	H	17858	2nd Layer	Mastic - Dark		10 3rd Floor	Hallway	Baseboard	Green	6" Btw 337-339
2728	H	17859	1st Layer	Baseboard - Tan / Green		0 3rd Floor	Hallway	Baseboard	Green	6" Btw 337-339
2729	H	17859	2nd Layer	Mastic - Dark		10 3rd Floor	Hallway	Baseboard	Green	6" Btw 337-339

	A	B	C	D	E	F Everything	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
2730	H	17860	1st Layer	Caulk - White/Black	15	Roof	Caulk	Gray	on Metal Flashing
2731	H	17861	1st Layer	Caulk - White/Black	15	Roof	Caulk	Gray	on Metal Flashing
2732	H	17862	1st Layer	Caulk - White/Black	15	Roof	Caulk	Gray	on Metal Flashing
2733	H	17863	1st Layer	Caulk - Gray	10	Roof	Caulk	Gray/White	btw top bricks
2734	H	17864	1st Layer	Caulk - Gray	15	Roof	Caulk	Gray/White	btw top bricks
2735	H	17865	1st Layer	Caulk - Gray	10	Roof	Caulk	Gray/White	btw top bricks
2736	H	17866	1st Layer	Paint - Tan	0	Roof	Paint	Tan	On Brick
2737	H	17867	1st Layer	Paint - Tan	0	Roof	Paint	Tan	On Brick
2738	H	17868	1st Layer	Paint - Tan	0	Roof	Paint	Tan	On Brick
2739	H	17869	1st Layer	Rolling Roof/Tar - Black	Trace	Roof	Roll Roofing	Black/Gray	Northside
2740	H	17870	1st Layer	Rolling Roof/Tar - Black	Trace	Roof	Roll Roofing	Black/Gray	Northside
2741	H	17871	1st Layer	Rolling Roof/Tar - Black	Trace	Roof	Roll Roofing	Black/Gray	Northside
2742	H	17872	1st Layer	Roof/Flashing/Tar	60	Roof	Coating	Black	On Metal Flashing
2743	H	17873	1st Layer	Roof/Flashing/Tar	60	Roof	Coating	Black	On Metal Flashing
2744	H	17874	1st Layer	Roof/Flashing/Tar	80	Roof	Coating	Black	On Metal Flashing
2745	H	17875	1st Layer	Sealant - Black	30	Roof	Sealant	Black	Btw seams - Northside
2746	H	17876	1st Layer	Sealant - Black	30	Roof	Sealant	Black	Btw seams - Northside
2747	H	17877	1st Layer	Sealant - Black	30	Roof	Sealant	Black	Btw seams - Northside
2748	H	17878	1st Layer	Sealant - Gray	Trace	Roof	Sealant	Gray	Btw Flashing/Wall - Northside
2749	H	17879	1st Layer	Sealant - Gray	Trace	Roof	Sealant	Gray	Btw Flashing/Wall - Northside
2750	H	17880	1st Layer	Sealant - Black	Trace	Roof	Sealant	Gray	Btw Flashing/Wall - Northside
2751	H	17881	1st Layer	Rolling Roof/Tar - Black	Trace	Roof	Roll Roofing	Black/Gray	Northside
2752	H	17882	1st Layer	Rolling Roof/Tar - Black	Trace	Roof	Roll Roofing	Black/Gray	Northside
2753	H	17883	1st Layer	Rolling Roof/Tar - Black	Trace	Roof	Roll Roofing	Black/Gray	Northside
2754	H	17884	1st Layer	Sealant/Fabric - Black/A	60	Roof	Sealant	Black	Under top ledge - Northside
2755	H	17885	1st Layer	Sealant/Fabric - Black/A	40	Roof	Sealant	Black	Under top ledge - Northside
2756	H	17886	1st Layer	Sealant/Fabric - Black/A	40	Roof	Sealant	Black	Under top ledge - Northside
2757	H	17887	1st Layer	Sealant - Black/White	60	Roof	Sealant	Black	On Top of ledge - Northside
2758	H	17888	1st Layer	Sealant - Black/White	60	Roof	Sealant	Black	On Top of ledge - Northside
2759	H	17889	1st Layer	Sealant - Black/White	60	Roof	Sealant	Black	On Top of ledge - Northside
2760	H	17890	1st Layer	Pipe Insulation Tar - Black	60	Roof	TSI	Dark Gray	Bottom Joint - Right of Mech Room door
2761	H	17891	1st Layer	Foil	0	Roof	TSI	Dark Gray	Top Joint - Right of Mech Room door
2762	H	17891	2nd Layer	Fiberglass	0	Roof	TSI	Dark Gray	Top Joint - Right of Mech Room door
2763	H	17892	1st Layer	Pipe Insulation Tar - Black	60	Roof	TSI	Dark Gray	Bottom Joint - Right of Mech Room door
2764	H	17893	1st Layer	Pipe Insulation Tar - Black	80	Roof	TSI	Yellow	Small Stack, Bottom Joint - Facing Mech
2765	H	17894	1st Layer	Pipe Insulation - White	20	Roof	TSI	Dark Gray	Top Joint - Adjacent to Mech Room
2766	H	17894	2nd Layer	Pipe Insulation Tar - Black	60	Roof	TSI	Dark Gray	Top Joint - Adjacent to Mech Room
2767	H	17894	3rd Layer	Fiberglass	0	Roof	TSI	Dark Gray	Top Joint - Adjacent to Mech Room
2768	H	17895	1st Layer	Pipe Insulation Tar - Black	60	Roof	TSI	Dark Gray	Top Joint - Right Side of Mech RoomSmall Stack
2769	H	17896	1st Layer	Mud - Gray	40	Roof	Joint Mud	Gray	Top Joint - Left of Mech Room Door
2770	H	17897	1st Layer	Mud - Gray	40	Roof	Joint Mud	Gray	Top Joint - Left of Mech Room Door
2771	H	17898	1st Layer	Mud - Gray	50	Roof	Joint Mud	Gray	Bottom Joint - Opposite Mech Room Door
2772	H	17899	1st Layer	Caulk - Multi	15	Roof	Caulk	Multi	Window of Mech Room
2773	H	17900	1st Layer	Caulk - Multi	15	Roof	Caulk	Multi	Window of Mech Room

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1									
2774	H	17901	1st Layer	Caulk - Multi	15	Roof	Caulk	Multi	Window of Mech Room
2775	H	17902	1st Layer	Roofing	Trace	Roof	Shingle	Black/Gray	Southeast of antenna tower
2776	H	17903	1st Layer	Roofing	Trace	Roof	Shingle	Black/Gray	Center of North wall
2777	H	17904	1st Layer	Roofing	Trace	Roof	Shingle	Black/Gray	Btw Tower and NW Corner
2778	H	17905	1st Layer	Pipe Insulation Patch -	0	Roof	Patch	Black	Btw Tower and NW Corner
2779	H	17906	1st Layer	Pipe Insulation Patch -	0	Roof	Patch	Black	Under west wall
2780	H	17907	1st Layer	Pipe Insulation Patch -	0	Roof	Patch	Black	Btw A/C and Smokestack
2781	H	17908	1st Layer	Pipe Insulation - Bulk	10	Roof	Sealant	White	On pipe - Nearest to SW Corner
2782	H	17908	2nd Layer	Mastic - Black	10	Roof	Sealant	White	On pipe - Nearest to SW Corner
2783	H	17909	1st Layer	Pipe Insulation - Bulk	10	Roof	Sealant	White	On pipe - Center of West Wall
2784	H	17909	2nd Layer	Mastic - Black	10	Roof	Sealant	White	On pipe - Center of West Wall
2785	H	17910	1st Layer	Pipe Insulation - Bulk	10	Roof	Sealant	White	On pipe - 8ft south of AC
2786	H	17910	2nd Layer	Mastic - Black	10	Roof	Sealant	White	On pipe - 8ft south of AC
2787	H	17911	1st Layer	Patch Fabric - Gray	0	Roof	Patch	Gray	Center of West Wall
2788	H	17911	2nd Layer	Tar	0	Roof	Patch	Gray	Center of West Wall
2789	H	17912	1st Layer	Patch Fabric - Gray	0	Roof	Patch	Gray	9th south of AC
2790	H	17912	2nd Layer	Tar	0	Roof	Patch	Gray	9th south of AC
2791	H	17913	1st Layer	Patch Fabric - Gray	0	Roof	Patch	Gray	Btw A/C and East wall
2792	H	17913	2nd Layer	Tar	0	Roof	Patch	Gray	Btw A/C and East wall
2793	H	17914	1st Layer	Roof Tar	Trace	Roof	Roll Roofing	Black	8ft south of AC
2794	H	17915	1st Layer	Roof Tar	0	Roof	Roll Roofing	Black	East of Horizontal Pipe
2795	H	17916	1st Layer	Roof Tar	0	Roof	Roll Roofing	Black	West of Horizontal Pipe
2796	H	17917	1st Layer	Patch Fabric - Gray	20	Roof	A/C Fabric	Gray	
2797	H	17917	2nd Layer	Tar	10	Roof	A/C Fabric	Gray	
2798	H	17918	1st Layer	Patch Fabric - Gray	20	Roof	A/C Fabric	Gray	
2799	H	17918	2nd Layer	Tar	10	Roof	A/C Fabric	Gray	
2800	H	17919	1st Layer	Patch Fabric - Gray	20	Roof	A/C Fabric	Gray	
2801	H	17919	2nd Layer	Tar	10	Roof	A/C Fabric	Gray	
2802	H	17920	1st Layer	Paint - Tan (Stucco??)	5	Roof	Paint	Tan	On Mortar - Smokestack
2803	H	17921	1st Layer	Paint - Tan (Stucco??)	10	Roof	Paint	Tan	On Mortar - Smokestack
2804	H	17922	1st Layer	Paint - Tan (Stucco??)	5	Roof	Paint	Tan	On Mortar - Smokestack
2805	H	17923	1st Layer	Brick/Mortar - Red	0	Roof	Brick	Red	On Smokestack
2806	H	17924	1st Layer	Brick/Mortar - Red	0	Roof	Brick	Red	On Smokestack
2807	H	17925	1st Layer	Brick/Mortar - Red	0	Roof	Brick	Red	On Smokestack
2808	H	17926	1st Layer	Sealant - Gray	10	Roof	Sealant	Black	Around Tower on Northside
2809	H	17927	1st Layer	Sealant - Gray	10	Roof	Sealant	Black	Around Tower on Northside
2810	H	17928	1st Layer	Sealant - Gray	10	Roof	Sealant	Black	Around Tower on Northside
2811	H	17929	1st Layer	Roof Shingle - Green	60	Roof	Roll Roofing	Green	Southside
2812	H	17930	1st Layer	Roof Shingle - Green	40	Roof	Roll Roofing	Green	Southside
2813	H	17931	1st Layer	Roof Shingle - Green	50	Roof	Roll Roofing	Green	Southside
2814	H	17932	1st Layer	Fabric - White	Trace	Roof	Fabric	White	Tape along edge of Southside
2815	H	17933	1st Layer	Fabric - White	Trace	Roof	Fabric	White	Tape along edge of Southside
2816	H	17934	1st Layer	Fabric - White	Trace	Roof	Fabric	White	Tape along edge of Southside
2817	H	17935	1st Layer	Roof Sealant - Black	Trace	Roof	Sealant	Black	Metal cap dividing North from South

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1									
2818	H	17936	1st Layer	Roof Sealant - Black	Trace	Roof	Sealant	Black	Metal cap dividing North from South
2819	H	17937	1st Layer	Roof Sealant - Black	Trace	Roof	Sealant	Black	Metal cap dividing North from South
2820	H	17938	1st Layer	Roof Sealant - Black	Trace	Roof	Sealant	Black	Along Eastside of Southside Roof
2821	H	17939	1st Layer	Roof Sealant - Black	Trace	Roof	Sealant	Black	Along Eastside of Southside Roof
2822	H	17940	1st Layer	Roof Sealant - Black	Trace	Roof	Sealant	Black	Along Eastside of Southside Roof
2823	H	17941	1st Layer	Rolling Roof - Black		0 Roof	Roll Roofing	Black	Metal cap on Southside Roof
2824	H	17941	2nd Layer	Tar		10 Roof	Roll Roofing	Black	Metal cap on Southside Roof
2825	H	17942	1st Layer	Rolling Roof - Black		0 Roof	Roll Roofing	Black	Metal cap on Southside Roof
2826	H	17942	2nd Layer	Tar		15 Roof	Roll Roofing	Black	Metal cap on Southside Roof
2827	H	17943	1st Layer	Rolling Roof - Black		0 Roof	Roll Roofing	Black	Metal cap on Southside Roof
2828	H	17943	2nd Layer	Tar		10 Roof	Roll Roofing	Black	Metal cap on Southside Roof
2829	H	17944	1st Layer	Paint/Fabric - White		20 Roof	TSI	White	In Elevator Room
2830	H	17944	2nd Layer	Loose Bulk - White		20 Roof	TSI	White	In Elevator Room
2831	H	17945	1st Layer	Paint/Fabric - White		15 Roof	TSI	White	In Elevator Room
2832	H	17945	2nd Layer	Loose Bulk - White		15 Roof	TSI	White	In Elevator Room
2833	H	17946	1st Layer	Paint/Fabric - White		20 Roof	TSI	White	In Elevator Room
2834	H	17946	2nd Layer	Loose Bulk - White		15 Roof	TSI	White	In Elevator Room
2835	B	17947	1st Layer	Roof Shingle - Black		0 Roof	Sealant	Black	Furtherest of Eastside
2836	B	17947	2nd Layer	Tar		0 Roof	Sealant	Black	Furtherest of Eastside
2837	B	17948	1st Layer	Roof Shingle - Black		0 Roof	Sealant	Black	Furtherest of Eastside
2838	B	17948	2nd Layer	Tar		0 Roof	Sealant	Black	Furtherest of Eastside
2839	B	17949	1st Layer	Roof Shingle - Black		0 Roof	Sealant	Black	Furtherest of Eastside
2840	B	17949	2nd Layer	Tar		0 Roof	Sealant	Black	Furtherest of Eastside
2841	B	17950	1st Layer	Caulk - White		0 Roof	Caulk	Gray	Furtherest of Eastside
2842	B	17951	1st Layer	Caulk - White		0 Roof	Caulk	Gray	Furtherest of Eastside
2843	B	17952	1st Layer	Caulk - White		0 Roof	Caulk	Gray	Furtherest of Eastside
2844	B	17953	1st Layer	Roofing Tar		3 Roof	Sealant	Black	Large round light Eastside
2845	B	17954	1st Layer	Roofing Tar		2 Roof	Sealant	Black	Large round light Eastside
2846	B	17955	1st Layer	Roofing Tar		5 Roof	Sealant	Black	Large round light Eastside
2847	B	17956	1st Layer	Sealant - Black		10 Roof	Sealant	Black	Edge of Eastside
2848	B	17957	1st Layer	Sealant - Black		10 Roof	Sealant	Black	Edge of Eastside
2849	B	17958	1st Layer	Sealant - Black		10 Roof	Sealant	Black	Edge of Eastside
2850	B	17959	1st Layer	Roof Shingle - Black		0 Roof	Sealant	Black	Eastside past A/C
2851	B	17959	2nd Layer	Tar		0 Roof	Sealant	Black	Eastside past A/C
2852	B	17960	1st Layer	Roof Shingle - Black		0 Roof	Sealant	Black	Eastside past A/C
2853	B	17960	2nd Layer	Tar		0 Roof	Sealant	Black	Eastside past A/C
2854	B	17961	1st Layer	Roof Shingle - Black		0 Roof	Sealant	Black	Eastside past A/C
2855	B	17961	2nd Layer	Tar		0 Roof	Sealant	Black	Eastside past A/C
2856	B	17962	1st Layer	Rolling Roof		0 2nd Floor	Rolling Roof	Gray/Black	Underneath Door E.Side
2857	B	17962	2nd Layer	Tar		0 2nd Floor	Rolling Roof	Gray/Black	Underneath Door E.Side
2858	B	17963	1st Layer	Rolling Roof		0 2nd Floor	Rolling Roof	Gray/Black	Underneath Door E.Side
2859	B	17963	2nd Layer	Tar		0 2nd Floor	Rolling Roof	Gray/Black	Underneath Door E.Side
2860	B	17964	1st Layer	Rolling Roof		0 2nd Floor	Rolling Roof	Gray/Black	Underneath Door E.Side
2861	B	17964	2nd Layer	Tar		0 2nd Floor	Rolling Roof	Gray/Black	Underneath Door E.Side

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
1	2862	B	17965	1st Layer	Roofing Tar	3	2nd Floor	Roof	Black	A/C Unit
	2863	B	17966	1st Layer	Roofing Tar	3	2nd Floor	Roof	Black	A/C Unit
	2864	B	17967	1st Layer	Roofing Tar	3	2nd Floor	Roof	Black	A/C Unit
	2865	B	17968	1st Layer	Caulk - Gray	Trace	2nd Floor	Roof	Tan/Green	Around Windows Old Building E.Side
	2866	B	17969	1st Layer	Caulk - Gray	Trace	2nd Floor	Roof	Tan/Green	Around Windows Old Building E.Side
	2867	B	17970	1st Layer	Caulk - Gray	Trace	2nd Floor	Roof	Tan/Green	Around Windows Old Building E.Side
	2868	B	17971	1st Layer	Roofing - Black	60	1st Floor	Roof	Black	On Black Ridge next to A/C SE side
	2869	B	17971	2nd Layer	Sealant/Tar	60	1st Floor	Roof	Black	On Black Ridge next to A/C SE side
	2870	B	17972	1st Layer	Roofing - Black	60	1st Floor	Roof	Black	On Black Ridge next to A/C SE side
	2871	B	17972	2nd Layer	Sealant/Tar	60	1st Floor	Roof	Black	On Black Ridge next to A/C SE side
	2872	B	17973	1st Layer	Roofing - Black	60	1st Floor	Roof	Black	On Black Ridge next to A/C SE side
	2873	B	17973	2nd Layer	Sealant/Tar	60	1st Floor	Roof	Black	On Black Ridge next to A/C SE side
	2874	B	17974	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Black	Next to Windows SE Side
	2875	B	17975	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Black	Next to Windows SE Side
	2876	B	17976	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Black	Next to Windows SE Side
	2877	B	17977	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Black	On Roofing next to Windows
	2878	B	17978	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Black	On Roofing next to Windows
	2879	B	17979	1st Layer	Sealant - Black	Trace	1st Floor	Roof	Black	On Roofing next to Windows
	2880	B	17980	1st Layer	Rolling Roof	0	1st Floor	Roof	Tan/Black	Middle of Building
	2881	B	17980	2nd Layer	Tar	0	1st Floor	Roof	Tan/Black	Middle of Building
	2882	B	17981	1st Layer	Rolling Roof	0	1st Floor	Roof	Tan/Black	Middle of Building
	2883	B	17981	2nd Layer	Tar	0	1st Floor	Roof	Tan/Black	Middle of Building
	2884	B	17982	1st Layer	Rolling Roof	0	1st Floor	Roof	Tan/Black	Middle of Building
	2885	B	17982	2nd Layer	Tar	0	1st Floor	Roof	Tan/Black	Middle of Building
	2886	B	17983	1st Layer	Caulk - Gray	0	1st Floor	Roof	Gray	On Flashing Next to Old B.
	2887	B	17984	1st Layer	Caulk - Gray	0	1st Floor	Roof	Gray	On Flashing Next to Old B.
	2888	B	17985	1st Layer	Caulk - Gray	0	1st Floor	Roof	Gray	On Flashing Next to Old B.
	2889	B	17986	1st Layer	Sealant - Black	60	1st Floor	Roof	Black	On Flashing and Roof next to Old B
	2890	B	17987	1st Layer	Sealant - Black	60	1st Floor	Roof	Black	On Flashing and Roof next to Old B
	2891	B	17988	1st Layer	Sealant - Black	60	1st Floor	Roof	Black	On Flashing and Roof next to Old B
	2892	B	17989	1st Layer	Roofing Asphalt	40	1st Floor	Roof	Black	Under large Blower
	2893	B	17990	1st Layer	Roofing Asphalt	50	1st Floor	Roof	Black	Under large Blower
	2894	B	17991	1st Layer	Roofing Asphalt	40	1st Floor	Roof	Black	Under large Blower
	2895	B	17992	1st Layer	Sealant - Black	60	1st Floor	Roof	Black	Around brick cap under large blower
	2896	B	17993	1st Layer	Sealant - Black	60	1st Floor	Roof	Black	Around brick cap under large blower
	2897	B	17994	1st Layer	Sealant - Black	60	1st Floor	Roof	Black	Around brick cap under large blower
	2898	C	17995	1st Layer	Concrete - Gray	0	1st Floor	Perimeter	Textured Con Gray	N.side left of loading dock
	2899	C	17996	1st Layer	Concrete - Gray	0	1st Floor	Perimeter	Textured Con Gray	N.side left of loading dock
	2900	C	17997	1st Layer	Concrete - Gray	0	1st Floor	Perimeter	Textured Con Gray	SE side of loading dock
	2901	C	17998	1st Layer	Caulk - White	0	1st Floor	Perimeter	Caulk	On concrete and brick
	2902	C	17999	1st Layer	Caulk - White	0	1st Floor	Perimeter	Caulk	On concrete and brick
	2903	C	18000	1st Layer	Caulk - White	0	1st Floor	Perimeter	Caulk	On concrete and brick
	2904	C	18001	1st Layer	Brick - Tan	0	1st Floor	Perimeter	Brick	Courtroom Ent.
	2905	C	18002	1st Layer	Brick - Tan	0	1st Floor	Perimeter	Brick	Courtroom Ent.

	A	B	C	D	E	F Everythg	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Field Description
2906	C	18003	1st Layer	Brick - Tan		0 1st Floor	Perimete	Brick	Tan
2907	C	18004	1st Layer	Mortar - Grey		0 1st Floor	Perimete	Mortar	Gray
2908	C	18005	1st Layer	Mortar - Grey		0 1st Floor	Perimete	Mortar	Gray
2909	C	18006	1st Layer	Mortar - Grey		0 1st Floor	Perimete	Mortar	Gray
2910	C	18007	1st Layer	Caulk - Black	Trace	1st Floor	Perimete	Caulk	Black
2911	C	18008	1st Layer	Caulk - Black	Trace	1st Floor	Perimete	Caulk	Black
2912	C	18009	1st Layer	Caulk - Black	Trace	1st Floor	Perimete	Caulk	Black
2913	H	18010	1st Layer	Mortar		0 1st Floor	Perimete	Mortar	Tan
2914	H	18011	1st Layer	Mortar		0 1st Floor	Perimete	Mortar	Tan
2915	H	18012	1st Layer	Mortar		0 1st Floor	Perimete	Mortar	Tan
2916	H	18013	1st Layer	Paint - Tan		0 1st Floor	Perimete	Paint	Tan
2917	H	18014	1st Layer	Paint - Tan		0 1st Floor	Perimete	Paint	Tan
2918	H	18015	1st Layer	Paint - Tan		0 1st Floor	Perimete	Paint	Tan
2919	H	18016	1st Layer	Concrete - Tan		0 1st Floor	Perimete	Marble	White/Gray
2920	H	18017	1st Layer	Concrete - Tan		0 1st Floor	Perimete	Marble	White/Gray
2921	H	18018	1st Layer	Concrete - Tan		0 1st Floor	Perimete	Marble	White/Gray
2922	H	18019	1st Layer	Brick - Red		0 1st Floor	Perimete	Brick	Tan/Red
2923	H	18020	1st Layer	Brick - Red		0 1st Floor	Perimete	Brick	Tan/Red
2924	H	18021	1st Layer	Brick - Red		0 1st Floor	Perimete	Brick	Tan/Red
2925	H	18022	1st Layer	Paint - Olive Green		0 1st Floor	Perimete	Paint	Green w/Red
2926	H	18023	1st Layer	Paint - Olive Green		0 1st Floor	Perimete	Paint	Green w/Red
2927	H	18024	1st Layer	Paint - Olive Green		0 1st Floor	Perimete	Paint	Green w/Red
2928	B	18025	1st Layer	Paint - Olive Green		0 1st Floor	Perimete	Paint	Green
2929	B	18026	1st Layer	Paint - Olive Green		0 1st Floor	Perimete	Paint	Green
2930	B	18027	1st Layer	Paint - Olive Green		0 1st Floor	Perimete	Paint	Green
2931	B	18028	1st Layer	Brick - Tan		0 1st Floor	Perimete	Brick	Tan
2932	B	18029	1st Layer	Brick - Tan		0 1st Floor	Perimete	Brick	Tan
2933	B	18030	1st Layer	Brick - Tan		0 1st Floor	Perimete	Brick	Tan
2934	B	18031	1st Layer	Paint - Olive Green		0 1st Floor	Perimete	Paint	Green
2935	B	18032	1st Layer	Paint - Olive Green		0 1st Floor	Perimete	Paint	Green
2936	B	18033	1st Layer	Paint - Olive Green		0 1st Floor	Perimete	Paint	Green
2937	B	18034	1st Layer	Mortar - Gray		0 1st Floor	Perimete	Mortar	Gray
2938	B	18035	1st Layer	Mortar - Gray		0 1st Floor	Perimete	Mortar	Gray
2939	B	18036	1st Layer	Mortar - Gray		0 1st Floor	Perimete	Mortar	Gray
2940	B	18037	1st Layer	Brick - Tan		0 1st Floor	Perimete	Brick	Cream
2941	B	18038	1st Layer	Brick - Tan		0 1st Floor	Perimete	Brick	Cream
2942	B	18039	1st Layer	Brick - Tan		0 1st Floor	Perimete	Brick	Cream
2943	B	18040	1st Layer	Mortar - Gray		0 1st Floor	Perimete	Mortar	Gray
2944	B	18041	1st Layer	Mortar - Gray		0 1st Floor	Perimete	Mortar	Gray
2945	B	18042	1st Layer	Mortar - Gray		0 1st Floor	Perimete	Mortar	Gray
2946	B	18043	1st Layer	Concrete - w/Brown		0 1st Floor	Perimete	Concrete	Tan
2947	B	18044	1st Layer	Concrete - w/Brown		0 1st Floor	Perimete	Concrete	Tan
2948	B	18045	1st Layer	Concrete - w/Brown		0 1st Floor	Perimete	Concrete	Tan
2949	B	18046	1st Layer	Roof Shingle - Red		0 1st Floor	Perimete	Roofing	Red

	A	B	C	D	E	F Everything	H	I	J
1	Building	Sampling Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
2950	C	18047	1st Layer	Roof Shingle - Red	0	1st Floor	Perimeter Roofing	Red	Above Courtroom Ent.
2951	C	18048	1st Layer	Roof Shingle - Red	0	1st Floor	Perimeter Roofing	Red	Above Courtroom Ent.
2952	C	18049	1st Layer	Brick - Tan	0	1st Floor	Perimeter Brick	Tan	Bricked in windows - back parking
2953	H	18050	1st Layer	Brick - Tan	0	1st Floor	Perimeter Brick	Tan	Bricked in windows - back parking
2954	H	18051	1st Layer	Brick - Tan	0	1st Floor	Perimeter Brick	Tan	Bricked in windows - back parking
2955	H	18052	1st Layer	Mortar	0	1st Floor	Perimeter Mortar	Tan	Bricked in windows - back parking
2956	H	18053	1st Layer	Mortar	0	1st Floor	Perimeter Mortar	Tan	Bricked in windows - back parking
2957	H	18054	1st Layer	Mortar	0	1st Floor	Perimeter Mortar	Tan	Bricked in windows - back parking
2958	C	18055	1st Layer	Plaster - Tan	0	2nd Floor	Hallway Plaster	Tan	Btw C201 & C202
2959	C	18055	2nd Layer	Plaster	10	2nd Floor	Hallway Plaster	Tan	Btw C201 & C202
2960	C	18056	1st Layer	Plaster - Tan	0	2nd Floor	C221 Plaster	Tan	
2961	C	18056	2nd Layer	Plaster	10	2nd Floor	C221 Plaster	Tan	
2962	C	18057	1st Layer	Plaster - Tan	0	3rd Floor	Hallway Plaster	Tan	Across C304
2963	C	18057	2nd Layer	Plaster	10	3rd Floor	Hallway Plaster	Tan	Across C304
2964	H	18058	1st Layer	Plaster - Tan	0	3rd Floor	H340 Plaster	Tan	
2965	H	18058	2nd Layer	Plaster	10	3rd Floor	H340 Plaster	Tan	
2966	H	18059	1st Layer	Plaster - Tan	0	2nd Floor	H219 Plaster	Tan	
2967	H	18059	2nd Layer	Plaster	10	2nd Floor	H219 Plaster	Tan	
2968	H	18060	1st Layer	Plaster - Tan	0	2nd Floor	H117 Concrete	Tan	
2969	H	18060	2nd Layer	Concrete	0	2nd Floor	H117 Concrete	Tan	
2970	B	18061	1st Layer	Plaster - Tan	0	2nd Floor	B264 Concrete	Gray	
2971	B	18061	2nd Layer	Concrete	0	2nd Floor	B264 Concrete	Gray	
2972	B	18062	1st Layer	Plaster - Tan	0	1st Floor	B143 Concrete	Gray	
2973	B	18062	2nd Layer	Concrete	0	1st Floor	B143 Concrete	Gray	
2974	B	18063	1st Layer	Plaster - Tan	0	1st Floor	Hallway Concrete	Gray	Btw B155 and Vending
2975	B	18063	2nd Layer	Concrete	Trace	1st Floor	Hallway Concrete	Gray	Btw B155 and Vending
2976	B	18064	1st Layer	Pipe Insulation - Foil	10	Basement	B005 TSI	White	5" - 1st pipe left of light
2977	B	18064	2nd Layer	Fiberglass	0	Basement	B005 TSI	White	5" - 1st pipe left of light
2978	B	18065	1st Layer	Pipe Insulation - Foil	10	Basement	B005 TSI	White	6" - 2nd pipe left of light
2979	B	18065	2nd Layer	Fiberglass	0	Basement	B005 TSI	White	6" - 2nd pipe left of light
2980	B	18066	1st Layer	Pipe Insulation - Foil	10	Basement	B005 TSI	White	6" - 3r pipe left of light
2981	B	18066	2nd Layer	Fiberglass	0	Basement	B005 TSI	White	6" - 3r pipe left of light
2982	B	18067	1st Layer	Pipe Insulation - Foil	10	Basement	B005 TSI	White	3 1/2" - 4th pipe
2983	B	18067	2nd Layer	Fiberglass	0	Basement	B005 TSI	White	3 1/2" - 4th pipe
2984	B	18068	1st Layer	Pipe Insulation - Foil	10	Basement	B005 TSI	White	3 1/2" - 5th pipe
2985	B	18068	2nd Layer	Fiberglass	0	Basement	B005 TSI	White	3 1/2" - 5th pipe
2986	B	18069	1st Layer	Pipe Insulation Bulk - G Trace		Basement	B005 TSI	White	Elbow - 5th pipe
2987	B	18070	1st Layer	Pipe Insulation Bulk - G Trace		Basement	B005 TSI	White	Elbow - 5th pipe
2988	B	18071	1st Layer	Pipe Insulation Bulk - G Trace		Basement	B005 TSI	White	Elbow - 4th pipe
2989	B	18072	1st Layer	Pipe Insulation Backing	30	Basement	B005 TSI	Black	Elbow - 3rd pipe
2990	B	18072	2nd Layer	Fiberglass	0	Basement	B005 TSI	Black	Elbow - 3rd pipe
2991	B	18073	1st Layer	Pipe Insulation Backing	30	Basement	B005 TSI	Black	Elbow - 2nd pipe
2992	B	18073	2nd Layer	Fiberglass	0	Basement	B005 TSI	Black	Elbow - 2nd pipe
2993	B	18074	1st Layer	Pipe Insulation Foil - W	10	Basement	B005 TSI	White	Straight pipe left of light

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1									
2994	B	18074	2nd Layer	Mastic - Dark		60 Basement	Room B005 TSI	White	Straight pipe left of light
2995	C	18075	1st Layer	Pipe Insulation Foil - W		10 1st Floor	Stairwell TSI	White	Pipe under stairs 2nd from bottom
2996	C	18075	2nd Layer	Mastic - Dark		30 1st Floor	Stairwell TSI	White	Pipe under stairs 2nd from bottom
2997	C	18076	1st Layer	Pipe Insulation Foil - W		10 1st Floor	Stairwell TSI	White	Pipe under stairs 3rd from bottom
2998	C	18076	2nd Layer	Mastic - Dark		30 1st Floor	Stairwell TSI	White	Pipe under stairs 3rd from bottom
2999	C	18077	1st Layer	Pipe Insulation Foil - W		10 1st Floor	Stairwell TSI	White	Pipe under stairs 2nd from bottom
3000	C	18077	2nd Layer	Mastic - Dark		30 1st Floor	Stairwell TSI	White	"L" joint below top tank
3001	B	18078	1st Layer	Pipe Insulation Fabric -		10 Basement	Boiler R4 TSI	White	"L" joint below top tank
3002	B	18078	2nd Layer	Pipe Insulation Bulk - V		10 Basement	Boiler R4 TSI	White	On top tank
3003	B	18079	1st Layer	Pipe Insulation Fabric -		10 Basement	Boiler R4 TSI	White	On top tank
3004	B	18079	2nd Layer	Pipe Insulation Bulk - V		10 Basement	Boiler R4 TSI	White	On middle tank
3005	B	18080	1st Layer	Pipe Insulation Fabric -		15 Basement	Boiler R4 TSI	White	On middle tank
3006	B	18080	2nd Layer	Pipe Insulation Bulk - V			Boiler R4 TSI	White	"T" joint btw top & middle tank
3007	B	18081	1st Layer	Pipe Insulation Fabric -	Trace		Boiler R4 TSI	White	"T" joint btw top & middle tank
3008	B	18081	2nd Layer	Pipe Insulation Bulk - V		10 Basement	Boiler R4 TSI	White	Elbow above wooden scaffolding
3009	B	18082	1st Layer	Pipe Insulation Fabric -		3 Basement	Boiler R4 TSI	White	Elbow above wooden scaffolding
3010	B	18082	2nd Layer	Pipe Insulation Bulk - V		10 Basement	Boiler R4 TSI	White	Elbow above wooden scaffolding
3011	B	18083	1st Layer	Pipe Insulation Fabric -	Trace		Boiler R4 TSI	White	On square air vent
3012	B	18083	2nd Layer	Pipe Insulation Bulk - V		10 Basement	Boiler R4 TSI	White	On square air vent
3013	B	18084	1st Layer	Pipe Insulation Paper		60 Basement	Boiler R4 TSI	White	Pipe directly under air vent
3014	B	18084	2nd Layer	Pipe Insulation Bulk - V		60 Basement	Boiler R4 TSI	White	Pipe directly under air vent
3015	B	18085	1st Layer	Pipe Insulation Paper		60 Basement	Boiler R4 TSI	White	On rectangular protrusion
3016	B	18085	2nd Layer	Pipe Insulation Bulk - V		60 Basement	Boiler R4 TSI	White	On rectangular protrusion
3017	B	18086	1st Layer	Pipe Insulation Bulk - V		40 Basement	Boiler R4 TSI	White	On end of pipe below 18082
3018	B	18087	1st Layer	Pipe Insulation Mineral		0 Basement	Boiler R4 TSI	Gray	Inside boiler #3
3019	B	18088	1st Layer	Pipe Insulation Foil - W		20 Basement	Boiler R4 TSI	Yellow	16 sided pipe
3020	B	18088	2nd Layer	Pipe Insulation Bulk - B		20 Basement	Boiler R4 TSI	Yellow	16 sided pipe
3021	B	18089	1st Layer	Pipe Insulation Foil - W		10 Basement	Boiler H4 TSI	Yellow	16 sided pipe - above & right of 18088
3022	B	18089	2nd Layer	Pipe Insulation Bulk - B		10 Basement	Boiler H4 TSI	Yellow	16 sided pipe - above & right of 18088
3023	B	18090	1st Layer	Pipe Insulation Fabric -		40 Basement	Boiler H4 TSI	White	round pipe behind/below 18089
3024	B	18090	2nd Layer	Pipe Insulation Bulk - V		30 Basement	Boiler H4 TSI	White	round pipe behind/below 18089
3025	B	18091	1st Layer	Pipe Insulation Fabric -		40 Basement	Boiler H4 TSI	Green	round pipe behind 18088
3026	B	18091	2nd Layer	Pipe Insulation Bulk - V		20 Basement	Boiler H4 TSI	Green	round pipe behind 18088
3027	B	18092	1st Layer	Pipe Insulation Foil - W		40 Basement	Boiler H4 TSI	Green	bottom round pipe below 18089
3028	B	18092	2nd Layer	Fiberglass		0 Basement	Boiler H4 TSI	Green	bottom round pipe below 18089
3029	B	18093	1st Layer	Pipe Insulation Fabric -		10 Basement	Boiler H4 TSI	Pink	knee-level round pipe
3030	B	18093	2nd Layer	Fiberglass		0 Basement	Boiler H4 TSI	Pink	knee-level round pipe
3031	B	18094	1st Layer	Pipe Insulation Fabric -		40 Basement	Boiler H4 TSI	Red	top round pipe behind/above
3032	B	18094	2nd Layer	Pipe Insulation Bulk - V		20 Basement	Boiler H4 TSI	Red	top round pipe behind/above
3033	B	18095	1st Layer	Pipe Insulation - Black		10 Basement	Boiler H4 TSI	Black	lower elbow of bottom yellow 16 sided
3034	B	18095	2nd Layer	Pipe Insulation Bulk - E		10 Basement	Boiler H4 TSI	Black	lower elbow of bottom yellow 16 sided
3035	B	18096	1st Layer	Pipe Insulation - Black		10 Basement	Boiler H4 TSI	Brown	upper elbow of bottom yellow 16 sided
3036	B	18096	2nd Layer	Pipe Insulation Bulk - E		10 Basement	Boiler H4 TSI	Brown	upper elbow of bottom yellow 16 sided
3037	B	18097	1st Layer	Pipe Insulation - Black		20 Basement	Boiler H4 TSI	Brown	elbow of upper yellow 16 sided

	A	B	C	D	E	F Everything	H	I	J
	Building	Sampling Layer	Layer	Sample Description	% Asbestos	Floor	Room	Material	Field Description
1									
3038	B	18097	2nd Layer	Pipe Insulation Bulk - E	20	Basement	Boiler H ₂ TSI	TSI	elbow of upper yellow 16 sided
3039	B	18098	1st Layer	Pipe Insulation Fabric -	40	Basement	Boiler H ₂ TSI	TSI	Vertical end of top red round pipe
3040	B	18098	2nd Layer	Pipe Insulation Bulk - V	20	Basement	Boiler H ₂ TSI	TSI	Vertical end of top red round pipe
3041	B	18099	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler H ₂ TSI	TSI	Elbow of green round pipe
3042	B	18099	2nd Layer	Pipe Insulation Bulk - V	20	Basement	Boiler H ₂ TSI	TSI	Elbow of green round pipe
3043	B	18100	1st Layer	Pipe Insulation Rubber	Trace	Basement	Boiler H ₂ TSI	TSI	Elbow right of 18096
3044	B	18100	2nd Layer	Tar	Trace	Basement	Boiler H ₂ TSI	TSI	Elbow right of 18096
3045	B	18101	1st Layer	Pipe Insulation Foil - W	0	Basement	Boiler R ₂ TSI	TSI	Vertical pipe next to outside door
3046	B	18101	2nd Layer	Fiberglass	0	Basement	Boiler R ₂ TSI	TSI	Vertical pipe next to outside door
3047	B	18102	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R ₂ TSI	TSI	Horizontal pipe next to ICE cooler
3048	B	18102	2nd Layer	Fiberglass	0	Basement	Boiler R ₂ TSI	TSI	Horizontal pipe next to ICE cooler
3049	B	18103	1st Layer	Pipe Insulation - Black	40	Basement	Boiler R ₂ TSI	TSI	Vertical pipe next to ICE cooler
3050	B	18103	2nd Layer	Pipe Insulation Bulk - E	60	Basement	Boiler R ₂ TSI	TSI	Vertical pipe next to ICE cooler
3051	B	18104	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R ₂ TSI	TSI	Vertical at valve next to ICE cooler
3052	B	18104	2nd Layer	Fiberglass	0	Basement	Boiler R ₂ TSI	TSI	Vertical at valve next to ICE cooler
3053	B	18105	1st Layer	Ceiling Material - ????	Trace	Basement	Boiler R ₂ TSI	TSI	Vertical next to ICE cooler
3054	B	18106	1st Layer	Pipe Insulation Fabric -	30	Basement	Boiler R ₂ TSI	TSI	Top of tank
3055	B	18106	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R ₂ TSI	TSI	Top of tank
3056	B	18107	1st Layer	Pipe Insulation Fabric -	30	Basement	Boiler R ₂ TSI	TSI	Side of tank
3057	B	18107	2nd Layer	Pipe Insulation Bulk - V	30	Basement	Boiler R ₂ TSI	TSI	Side of tank
3058	B	18108	1st Layer	Ceiling Material - White	0	Basement	Boiler R ₂ TSI	TSI	Vertical run on small pipe in front of tank
3059	B	18108	2nd Layer	Fiberglass	0	Basement	Boiler R ₂ TSI	TSI	Vertical run on small pipe in front of tank
3060	B	18109	1st Layer	Pipe Insulation Foil - W	40	Basement	Boiler R ₂ TSI	TSI	Vertical pipe to left of Tunnel ent.
3061	B	18109	2nd Layer	Pipe Insulation Bulk - E	60	Basement	Boiler R ₂ TSI	TSI	Vertical pipe to left of Tunnel ent.
3062	B	18110	1st Layer	Pipe Insulation Foil - W	20	Basement	Boiler R ₂ TSI	TSI	Vertical pipe to left of Tunnel ent.
3063	B	18110	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R ₂ TSI	TSI	Vertical pipe to left of Tunnel ent.
3064	B	18111	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R ₂ TSI	TSI	Horizontal run at valve - left of ent.
3065	B	18111	2nd Layer	Pipe Insulation Bulk - E	10	Basement	Boiler R ₂ TSI	TSI	Horizontal run at valve - left of ent.
3066	B	18112	1st Layer	Pipe Insulation Foil	0	Basement	Boiler R ₂ TSI	TSI	Horizontal run right of valve - left of ent.
3067	B	18112	2nd Layer	Pipe Insulation Bulk	10	Basement	Boiler R ₂ TSI	TSI	Horizontal run right of valve - left of ent.
3068	B	18113	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R ₂ TSI	TSI	Vertical run next to tunnel ent.
3069	B	18113	2nd Layer	Pipe Insulation Bulk - E	10	Basement	Boiler R ₂ TSI	TSI	Vertical run next to tunnel ent.
3070	B	18114	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R ₂ TSI	TSI	Horizontal pipe - left of tunnel ent.
3071	B	18115	1st Layer	Pipe Insulation Caulk	10	Basement	Boiler R ₂ TSI	TSI	Horizontal pipe - left of tunnel ent.
3072	B	18115	2nd Layer	Fiberglass	0	Basement	Boiler R ₂ TSI	TSI	Horizontal pipe - left of tunnel ent.
3073	B	18116	1st Layer	Pipe Insulation Caulk	10	Basement	Boiler R ₂ TSI	TSI	Horizontal pipe - left of tunnel ent.
3074	B	18116	2nd Layer	Fiberglass	0	Basement	Boiler R ₂ TSI	TSI	Horizontal pipe - left of tunnel ent.
3075	B	18117	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R ₂ TSI	TSI	Vertical run behind wheelbarrow
3076	B	18117	2nd Layer	Fiberglass	0	Basement	Boiler R ₂ TSI	TSI	Vertical run behind wheelbarrow
3077	B	18118	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R ₂ TSI	TSI	left of entrance to tunnel
3078	B	18118	2nd Layer	Fiberglass	0	Basement	Boiler R ₂ TSI	TSI	left of entrance to tunnel
3079	B	18119	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R ₂ TSI	TSI	Elbow - at left of entrance to tunnel
3080	B	18119	2nd Layer	Pipe Insulation Bulk - V	30	Basement	Boiler R ₂ TSI	TSI	Elbow - at left of entrance to tunnel
3081	B	18120	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R ₂ TSI	TSI	Horizontal run - at left of ent. to tunnel

	A	B	C	D	E	F Everythg	H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Material	Color	Field Description
1									
3082	B	18120	2nd Layer	Pipe Insulation Bulk - V	40	Basement	Boiler R/T SI	White	Horizontal run - at left of ent. to tunnel
3083	B	18121	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Vertical run next to valve left of tunnel ent.
3084	B	18121	2nd Layer	Fiberglass	0	Basement	Boiler R/T SI	White	Vertical run next to valve left of tunnel ent.
3085	B	18122	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Vertical end cap next to Hallway door
3086	B	18122	2nd Layer	Fiberglass	0	Basement	Boiler R/T SI	White	Vertical end cap next to Hallway door
3087	B	18123	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Horizontal run 12ft high @ ent to street
3088	B	18123	2nd Layer	Fiberglass	0	Basement	Boiler R/T SI	White	Horizontal run 12ft high @ ent to street
3089	B	18124	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	At valve 12ft high @ ent to street
3090	B	18124	2nd Layer	Fiberglass	0	Basement	Boiler R/T SI	White	At valve 12ft high @ ent to street
3091	B	18125	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Elbow 12ft high @ ent to street
3092	B	18125	2nd Layer	Fiberglass	0	Basement	Boiler R/T SI	White	Elbow 12ft high @ ent to street
3093	B	18126	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Horizontal run 12ft high @ ent to street
3094	B	18126	2nd Layer	Fiberglass	0	Basement	Boiler R/T SI	White	Horizontal run 12ft high @ ent to street
3095	B	18127	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Horizontal run 12ft high @ ent to street
3096	B	18127	2nd Layer	Fiberglass	0	Basement	Boiler R/T SI	White	Horizontal run 12ft high @ ent to street
3097	B	18128	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Horizontal run 12ft high @ ent to street
3098	B	18128	2nd Layer	Fiberglass	0	Basement	Boiler R/T SI	White	Horizontal run 12ft high @ ent to street
3099	B	18129	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	End Cap 12ft high @ ent to street
3100	B	18129	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R/T SI	White	End Cap 12ft high @ ent to street
3101	B	18130	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Elbow in front of 18129
3102	B	18130	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R/T SI	White	Elbow in front of 18129
3103	B	18131	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Around valve 12ft @ ent. To street
3104	B	18131	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R/T SI	White	Around valve 12ft @ ent. To street
3105	B	18132	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	At open exhaust pipe - 12ft next to street
3106	B	18132	2nd Layer	Pipe Insulation Bulk - E	20	Basement	Boiler R/T SI	White	At open exhaust pipe - 12ft next to street
3107	B	18133	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	At open exhaust pipe - 12ft next to street
3108	B	18133	2nd Layer	Pipe Insulation Bulk - E	20	Basement	Boiler R/T SI	White	At open exhaust pipe - 12ft next to street
3109	B	18134	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Horizontal run 12ft next to breaker box
3110	B	18134	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R/T SI	White	Horizontal run 12ft next to breaker box
3111	B	18135	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Vertical run 16ft next to breaker box
3112	B	18135	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R/T SI	White	Vertical run 16ft next to breaker box
3113	B	18136	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Vertical run 16ft next to breaker box
3114	B	18136	2nd Layer	Pipe Insulation Bulk - V	80	Basement	Boiler R/T SI	White	Vertical run 16ft next to breaker box
3115	B	18137	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Horizontal run 12ft next to breaker box
3116	B	18137	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R/T SI	White	Horizontal run 12ft next to breaker box
3117	B	18138	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Vertical run 16ft next to breaker box
3118	B	18138	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R/T SI	White	Vertical run 16ft next to breaker box
3119	B	18139	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Vertical run 16ft next to breaker box
3120	B	18139	2nd Layer	Pipe Insulation Bulk - V	40	Basement	Boiler R/T SI	White	Vertical run 16ft next to breaker box
3121	B	18140	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Horizontal run 16ft next to breaker box
3122	B	18140	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R/T SI	White	Horizontal run 16ft next to breaker box
3123	B	18141	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Horizontal run 14ft right of tunnel ent.
3124	B	18141	2nd Layer	Pipe Insulation Bulk - E	30	Basement	Boiler R/T SI	White	Horizontal run 14ft right of tunnel ent.
3125	B	18142	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R/T SI	White	Horizontal run 14ft right of tunnel ent.

	A	B	C	D	E		F Everything		H	I	J
	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description	
1											
3126	B	18142	2nd Layer	Pipe Insulation Bulk - E	30	Basement	Boiler R	TSI	White	Horizontal run 14ft right of tunnel ent.	
3127	B	18143	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	Elbow 14ft right of tunnel ent.	
3128	B	18143	2nd Layer	Pipe Insulation Bulk - E	30	Basement	Boiler R	TSI	White	Elbow 14ft right of tunnel ent.	
3129	B	18144	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler R	TSI	White	Horizontal run 14ft right of tunnel ent.	
3130	B	18144	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R	TSI	White	Horizontal run 14ft right of tunnel ent.	
3131	B	18145	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler R	TSI	White	Elbow 14ft right of tunnel ent.	
3132	B	18145	2nd Layer	Pipe Insulation Bulk - V	80	Basement	Boiler R	TSI	White	Elbow 14ft right of tunnel ent.	
3133	B	18146	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler R	TSI	White	Horizontal run 14ft right of tunnel ent.	
3134	B	18146	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R	TSI	White	Horizontal run 14ft right of tunnel ent.	
3135	B	18147	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler R	TSI	White	Horizontal run 14ft right of tunnel ent.	
3136	B	18147	2nd Layer	Pipe Insulation Bulk - V	60	Basement	Boiler R	TSI	White	Horizontal run 14ft right of tunnel ent.	
3137	B	18148	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler R	TSI	White	On Valve 14ft right of tunnel ent.	
3138	B	18148	2nd Layer	Pipe Insulation Bulk - V	80	Basement	Boiler R	TSI	White	On Valve 14ft right of tunnel ent.	
3139	B	18149	1st Layer	Pipe Insulation Fabric -	10	Basement	Boiler R	TSI	White	Horizontal run 14ft right of tunnel ent.	
3140	B	18149	2nd Layer	Pipe Insulation Bulk - V	80	Basement	Boiler R	TSI	White	Horizontal run 14ft right of tunnel ent.	
3141	B	18150	1st Layer	Pipe Insulation Foil - W	40	Basement	Boiler R	TSI	White	Horizontal run 14ft right of tunnel ent.	
3142	B	18150	2nd Layer	Fiberglass	0	Basement	Boiler R	TSI	White	Vertical pipe 15ft btw generator/bench	
3143	B	18151	1st Layer	Pipe Insulation - Pink	30	Basement	Boiler R	TSI	White	Vertical pipe 15ft btw generator/bench	
3144	B	18151	2nd Layer	Fiberglass	0	Basement	Boiler R	TSI	White	Elbow above 18151	
3145	B	18152	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	Elbow above 18151	
3146	B	18152	2nd Layer	Pipe Insulation Bulk - V	40	Basement	Boiler R	TSI	White	Elbow below 18151	
3147	B	18153	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	Elbow below 18151	
3148	B	18153	2nd Layer	Pipe Insulation Bulk - V	30	Basement	Boiler R	TSI	White	Elbow below 18151	
3149	B	18154	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	Pipe right of 18153	
3150	B	18154	2nd Layer	Fiberglass	0	Basement	Boiler R	TSI	White	Pipe right of 18153	
3151	B	18155	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	Floor at work bench	
3152	B	18155	2nd Layer	Pipe Insulation Bulk - V	30	Basement	Boiler R	TSI	White	Floor at work bench	
3153	B	18156	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	Elbow 5ft right of 18153	
3154	B	18156	2nd Layer	Pipe Insulation Bulk - V	30	Basement	Boiler R	TSI	White	Elbow 5ft right of 18153	
3155	B	18157	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	Pipe directly below 18156	
3156	B	18157	2nd Layer	Fiberglass	0	Basement	Boiler R	TSI	White	Pipe directly below 18156	
3157	B	18158	1st Layer	Pipe Insulation - Black	30	Basement	Boiler R	TSI	White	Elbow of round air vent	
3158	B	18158	2nd Layer	Pipe Insulation Bulk - E	30	Basement	Boiler R	TSI	White	Elbow of round air vent	
3159	B	18159	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	Widest vertical pipe atop boiler #3	
3160	B	18159	2nd Layer	Pipe Insulation Bulk - V	40	Basement	Boiler R	TSI	White	Widest vertical pipe atop boiler #3	
3161	B	18160	1st Layer	Pipe Insulation Foil - W	20	Basement	Boiler R	TSI	White	thinner vertical pipe across from 18159	
3162	B	18160	2nd Layer	Fiberglass	0	Basement	Boiler R	TSI	White	thinner vertical pipe across from 18159	
3163	B	18161	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	Elbow above 18160	
3164	B	18161	2nd Layer	Pipe Insulation Bulk - V	10	Basement	Boiler R	TSI	White	Elbow above 18160	
3165	B	18162	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	Btw valve & high pressure steam pipe	
3166	B	18162	2nd Layer	Fiberglass	0	Basement	Boiler R	TSI	White	Btw valve & high pressure steam pipe	
3167	B	18163	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	High pressure steam pipe across 18159	
3168	B	18163	2nd Layer	Fiberglass	0	Basement	Boiler R	TSI	White	High pressure steam pipe across 18159	
3169	B	18164	1st Layer	Pipe Insulation Foil - W	10	Basement	Boiler R	TSI	White	Pipe above & perp to boiler #3	

	A	B	C	D	E	F	G	H	I	J
1	Building	Sampling	Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description
3170	B	18164	2nd Layer	Fiberglass		0	Basement	Boiler R4 TSI	White	Pipe above & perp to boiler #3
3171	B	18165	1st Layer	Pipe Insulation - ????		10	Basement	Boiler R4 TSI	White	patch on vertical pipe from high pressure
3172	B	18165	2nd Layer	Pipe Insulation Bulk - V		10	Basement	Boiler R4 TSI	White	patch on vertical pipe from high pressure
3173	B	18166	1st Layer	Pipe Insulation - ????		10	Basement	Boiler H4 TSI	Red	Vertical yellow pipe opp. Transformer room
3174	B	18166	2nd Layer	Pipe Insulation Bulk - E		20	Basement	Boiler H4 TSI	Red	Vertical yellow pipe opp. Transformer room
3175	B	18167	1st Layer	Pipe Insulation - ????		10	Basement	Boiler H4 TSI	Brown	Elbow of 18166
3176	B	18167	2nd Layer	Pipe Insulation Bulk - E		20	Basement	Boiler H4 TSI	Brown	Elbow of 18166
3177	B	18168	1st Layer	Pipe Insulation - ????		10	Basement	Boiler H4 TSI	Brown	Valve right 18167
3178	B	18168	2nd Layer	Pipe Insulation Bulk - E		10	Basement	Boiler H4 TSI	Brown	Valve right 18167
3179	B	18169	1st Layer	Pipe Insulation Foil - W		10	Basement	Boiler H4 TSI	Brown	Busted chillwater supply pipe
3180	B	18169	2nd Layer	Pipe Insulation Bulk - E		30	Basement	Boiler H4 TSI	Brown	Busted chillwater supply pipe
3181	B	18170	1st Layer	Pipe Insulation Foil - W		10	Basement	Boiler H4 TSI	Brown	Right of 18169
3182	B	18170	2nd Layer	Pipe Insulation Bulk - E		30	Basement	Boiler H4 TSI	Brown	Right of 18169
3183	B	18171	1st Layer	Pipe Insulation Fabric -		10	Basement	Boiler H4 TSI	Pink	Elbow of pipe perp. To chillwater supply
3184	B	18171	2nd Layer	Pipe Insulation Bulk - V		10	Basement	Boiler H4 TSI	Pink	Elbow of pipe perp. To chillwater supply
3185	B	18172	1st Layer	Pipe Insulation - Black		20	Basement	Boiler H4 TSI	Black	Valve 3ft behind 18166
3186	B	18172	2nd Layer	Pipe Insulation Bulk - E		30	Basement	Boiler H4 TSI	Black	Valve 3ft behind 18166
3187	B	18173	1st Layer	Pipe Insulation - Black		20	Basement	Boiler H4 TSI	Black	Valve behind 18172
3188	B	18173	2nd Layer	Pipe Insulation Bulk - E		40	Basement	Boiler H4 TSI	Black	Valve behind 18172
3189	B	18174	1st Layer	Pipe Insulation Foil - W		10	Basement	Boiler H4 TSI	Pink	Vertical pipe 10 ft from floor drain
3190	B	18174	2nd Layer	Pipe Insulation Bulk - V		10	Basement	Boiler H4 TSI	Pink	Vertical pipe 10 ft from floor drain
3191	B	18175	1st Layer	Pipe Insulation - Black		10	Basement	Boiler H4 TSI	Black	On valve of pink pipe left of chiller
3192	B	18175	2nd Layer	Mastic - ???????????		20	Basement	Boiler H4 TSI	Black	On valve of pink pipe left of chiller
3193	C	18176	1st Layer	Concrete	Trace	1st Floor	C127	Plaster	Gray/White	to wire mesh
3194	C	18176	2nd Layer	Plaster - Green/White		10	1st Floor	C127	Gray/White	to wire mesh
3195	C	18177	1st Layer	Paint - Taupe		0	1st Floor	Hallway Sheetrock	White	Across C120
3196	C	18177	2nd Layer	Sheetrock		20	1st Floor	Hallway Sheetrock	White	Across C120
3197	C	18177	3rd Layer	Paper Backing		0	1st Floor	Hallway Sheetrock	White	Across C120
3198	H	18178	1st Layer	Paint - Tan		0	1st Floor	Hallway Sheetrock	White	
3199	H	18178	2nd Layer	Sheetrock		10	1st Floor	Hallway Sheetrock	White	
3200	H	18178	3rd Layer	Paper Backing		0	1st Floor	Hallway Sheetrock	White	
3201	H	18179	1st Layer	Concrete		0	1st Floor	H117 Plaster	White	By Window to brick
3202	H	18179	2nd Layer	Plaster - White		3	1st Floor	H117 Plaster	White	By Window to brick
3203	B	18180	1st Layer	Paint - Tan		0	1st Floor	B147E Sheetrock	White	
3204	B	18180	2nd Layer	Sheetrock		10	1st Floor	B147E Sheetrock	White	
3205	B	18180	3rd Layer	Paper Backing		0	1st Floor	B147E Sheetrock	White	
3206	B	18181	1st Layer	Paint/Plaster - Cream		10	1st Floor	B163 Plaster	White	
3207	B	18182	1st Layer	Paint - Taupe		0	Basement	Hallway Sheetrock	White	Btw B006-B007
3208	B	18182	2nd Layer	Sheetrock		10	Basement	Hallway Sheetrock	White	Btw B006-B007
3209	B	18182	3rd Layer	Paper Backing		0	Basement	Hallway Sheetrock	White	Btw B006-B007
3210	B	18183	1st Layer	Paint/Plaster - Tan		10	Basement	B007B Plaster	White	No wire mesh
3211	B	18183	2nd Layer	Concrete Backing		0	Basement	B007B Plaster	White	No wire mesh
3212	B	18184	1st Layer	Concrete		0	2nd Floor	B264 Plaster	Gray	to wire mesh
3213	B	18184	2nd Layer	Plaster - Green/White		5	2nd Floor	B264 Plaster	Gray	to wire mesh

	A	B	C	D	E	F	G	H	I	J
	Building	Sampling Layer	Sample Description	% Asbestos	Floor	Room	Material	Color	Field Description	
1										
3214	B	18185	1st Layer	Paint - Tan	0	2nd Floor	Hallway	Sheetrock	Gray	By B262
3215	B	18185	2nd Layer	Sheetrock	10	2nd Floor	Hallway	Sheetrock	Gray	By B262
3216	B	18185	3rd Layer	Paper Backing	Trace	2nd Floor	Hallway	Sheetrock	Gray	By B262
3217	H	18186	1st Layer	Sheetrock	0	2nd Floor	Hallway	Sheetrock	White	And Plaster
3218	H	18186	2nd Layer	Paster	10	2nd Floor	Hallway	Sheetrock	White	And Plaster
3219	H	18186	3rd Layer	Sheetrock - Grey	0	2nd Floor	Hallway	Sheetrock	White	And Plaster
3220	H	18186	4th Layer	Tape/Mud	0	2nd Floor	Hallway	Sheetrock	White	And Plaster
3221	H	18187	1st Layer	Concrete	0	2nd Floor	H219	Plaster	White	No wire mesh
3222	H	18187	2nd Layer	Plaster - Peach	Trace	2nd Floor	H219	Plaster	White	No wire mesh
3223	H	18188	1st Layer	Concrete	0	3rd Floor	H351	Plaster	White	
3224	H	18188	2nd Layer	Paint/Plaster - Tan/White	Trace	3rd Floor	H351	Plaster	White	
3225	H	18189	1st Layer	Sheetrock	0	3rd Floor	Hallway	Sheetrock	White	By Elevator Frame
3226	H	18189	2nd Layer	Paper Backing	0	3rd Floor	Hallway	Sheetrock	White	By Elevator Frame
3227	C	18190	1st Layer	Concrete	0	2nd Floor	C222	Plaster	Gray	to wire mesh
3228	C	18190	2nd Layer	Paint/Plaster - Taupe	10	2nd Floor	C222	Plaster	Gray	to wire mesh
3229	C	18191	1st Layer	Paint - Lt. Blue	0	2nd Floor	C210	Sheetrock	Brown	
3230	C	18191	2nd Layer	Sheetrock	Trace	2nd Floor	C210	Sheetrock	Brown	
3231	C	18191	3rd Layer	Paper Backing	0	2nd Floor	C210	Sheetrock	Brown	
3232	C	18192	1st Layer	Concrete	0	3rd Floor	Hallway	Plaster	Gray	Arcoss C317
3233	C	18192	2nd Layer	Plaster w/Glue - White	5	3rd Floor	Hallway	Plaster	Gray	Arcoss C317
3234	C	18193	1st Layer	Floor Tile - Lt. Brown	0	2nd Floor	Hallway	Floor Tile	Brown	Resample
3235	C	18193	2nd Layer	Mastic - Yellow	0	2nd Floor	Hallway	Floor Tile	Brown	Resample
3236	C	18194	1st Layer	Floor Tile - Lt. Brown	0	2nd Floor	Hallway	Floor Tile	Brown	Resample
3237	C	18194	2nd Layer	Mastic - Yellow	0	2nd Floor	Hallway	Floor Tile	Brown	Resample
3238	H	18195	1st Layer	Floor Tile - Lt. Brown	5	2nd Floor	Hallway	Floor Tile	Brown	Resample
3239	H	18195	2nd Layer	Mastic - Yellow	5	2nd Floor	Hallway	Floor Tile	Brown	Resample
3240	H	18196	1st Layer	Floor Tile - Lt. Brown	10	2nd Floor	Hallway	Floor Tile	Brown	Resample
3241	H	18196	2nd Layer	Mastic - Yellow	10	2nd Floor	Hallway	Floor Tile	Brown	Resample
3242	B	18197	1st Layer	Ceramic Tile - Brown M	0	1st Floor	B148A	Ceramic Tile	Multi	
3243	B	18197	2nd Layer	Grout - Gray	0	1st Floor	B148A	Ceramic Tile	Multi	
3244	B	18198	1st Layer	Ceramic Tile - Brown M	0	1st Floor	B148A	Ceramic Tile	Multi	
3245	B	18198	2nd Layer	Grout - Gray	0	1st Floor	B148A	Ceramic Tile	Multi	
3246	B	18199	1st Layer	Ceramic Tile - Brown M	0	1st Floor	B148A	Ceramic Tile	Multi	
3247	B	18199	2nd Layer	Grout - Gray	0	1st Floor	B148A	Ceramic Tile	Multi	

APPENDIX H



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-910

File ID: 2017-910

Type: Regular Agenda Item

Status: Agenda Ready

Version: 3

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 12/11/2017

Brief Title: Approve plans and specifications for the Tatum Soccer Field Lighting Project and authorize advertisement for bid for same.

Final Action:

Minute Book Number: MB2017-487

Title:

Approve plans and specifications for the Tatum Soccer Field Lighting Project and authorize advertisement for bid for same.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: VI.-6

Sponsors:

Enactment Date:

Attachments: Final Specs 11-28-2017, Final Plans 11-29-2017, Advertisement for Bids, executed Advertisement for Bids - Tatum Soccer Field Lighting Project

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: LaTasha McDaniel

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
3	City Council	12/19/2017					

Text of Legislative File 2017-910

Title

Approve plans and specifications for the Tatum Soccer Field Lighting Project and authorize advertisement for bid for same.

Summary

Tatum soccer field lighting project.- Bid.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

*CONTRACT DOCUMENTS AND TECHNICAL
SPECIFICATIONS*

FOR

**TATUM PARK – SOCCER FIELDS
15 & 17 LIGHTING**

FOR THE

**CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI
FORREST COUNTY**



NOVEMBER, 2017

PREPARED BY



NEEL-SCHAFER
Solutions you can build upon

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ADVERTISEMENT FOR BIDS

TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG, MISSISSIPPI

Sealed bids will be received by the City of Hattiesburg, at the City Clerk's office, Mississippi, hereafter referred to as Owner, located at 200 Forrest Street, Hattiesburg, Mississippi, 39401, until 10:00 A.M., Local Time, Thursday, January 25, 2018 for supplying all labor, equipment, and materials (as specified) necessary for the construction of the above referenced project. Work consists of installing lights on soccer fields 15 & 17 at Tatum Park.

The above general outline of features of the work does not in any way limit the responsibility of the Contractor to perform all work and furnish all labor, equipment and materials required by the specifications and the drawings referred to therein.

Bidder must be qualified under Mississippi Law and show current Certificate of Responsibility issued by the Mississippi State Board of Public Contractors establishing his classification as to the value and type of construction on which he is authorized to bid.

Each Bidder shall write his Certificate of Responsibility Number on the outside of the sealed envelope containing his proposal.

Proposals shall be submitted in duplicate, sealed and deposited with the Owner prior to the hour and date hereinbefore designated. No bidder may withdraw his bid within 90 days after the actual date of the opening thereof.

Awarding public contracts to non-resident Bidders will be on the same basis as the non-resident bidder's state awards contracts to Mississippi Contractors bidding under similar circumstances. In order to ensure that Mississippi's so-called Golden Rule is followed state law requires a non-resident bidder is to attach to his bid a copy of his resident state's current laws pertaining to such state's treatment of non-resident contractors.

Each Bidder must deposit with his proposal, a Bid Bond or Certified Check in an amount equal to five percent of his bid, payable to the Owner, as bid security. Bidders shall also submit a current financial statement, if requested, by the Owner. The successful bidder will be required to furnish a Payment Bond and Performance Bond each in the amount of 100 percent of the contract amount.

Bid documents are being made available via paper copy. Plan holders are required to log-in or register for an account at www.neel-schafferplans.com to view and order Bid Documents. All plan holders are required to have a valid email address for registration. Bid documents are non-refundable and must be purchased through the website. Questions regarding website registration and online orders please contact Plan House Printing at (601) 336-6378.

"Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition" as referred to herein, may be purchased from the Mississippi Department of Transportation.

The Owner hereby notifies all Bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged and women's business enterprises will be afforded the full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

The Engineer is Neel-Schaffer, Inc., 704 Hardy Street, Hattiesburg, Mississippi 39401; Phone No. (601) 545-1565, Fax No. (601)-545-2267. Geoffrey P. Crosby, P.E. – Senior Project Manager.

The Owner reserves the right to reject any and all bids and to waive any informalities or irregularities therein.

BY: _____
City Clerk
City of Hattiesburg, Mississippi

DATES OF PUBLICATION:

December 27, 2017

January 3, 2018

INSTRUCTIONS TO BIDDERS

TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING CITY OF HATTIESBURG, MISSISSIPPI

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1. COORDINATION OF SPECIFICATIONS

Work under this Contract shall be performed in accordance with the Contract Documents, which includes General Conditions, Supplementary Conditions and Technical Specifications contained therein. Division 200 through 800 of the *Mississippi Standard Specifications for Road and Bridge Construction*, 2004 Edition (can be downloaded at www.gomdot.com) is made a part hereof as if it were attached hereto, except where superseded by special provisions contained herein.

2. DATE AND PLACE OF OPENING OF PROPOSALS

The date, time, and place for opening Proposals will be as set out in the published "Advertisement for Bids."

The Owner reserves the right to postpone the date for presentation and opening of Proposals and will give notice of any such postponement to each known prospective Bidder.

3. FORM FOR PROPOSALS

Proposals must be submitted in duplicate on the forms furnished by the Owner and the envelope containing the Proposals must be sealed and addressed to:

City Clerk
City of Hattiesburg
200 Forrest Street
Hattiesburg, Mississippi 39401

The outside of the envelope containing the Proposal shall bear the inscription:

**SEALED BID FOR: TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING
CITY OF HATTIESBURG, MISSISSIPPI**

BY _____

Certificate of Responsibility No. _____

State License No. _____

The duplicate Proposals shall be in the form of one original Proposal, marked "ORIGINAL" and one photocopy (Xerox or similarly reproduced copy) marked "PHOTOCOPY" of the original Proposal.

If Proposals are forwarded by the U.S. Postal Service, delivery shall be by Registered or Certified Mail.

4. PREQUALIFICATION

All Bidders must be in good standing with the Owner. Bidders who are not in good standing with the Owner will not be considered for award of the contract. Good standing includes, among other things: (a) whether Bidder has failed to successfully complete the work or punchlist items under another Owner contract; (b) whether Bidder is currently, or has been in the past five years, involved in litigation with the Owner regarding work under another Owner contract, either as a general contractor or subcontractor; (c) whether Bidder has been or is currently in default under another Owner contract the past five years. with the Owner; or (d) whether Bidder has failed to fulfill provisions of another Owner contract within

5. CERTIFICATE OF RESPONSIBILITY

Prior to filing Bids on Owner projects (in excess of \$50,000), the prospective Bidder must obtain a Certificate of Responsibility from the Mississippi State Board of Public Contractors, establishing his classification as to the value and the type of construction on which he is authorized to bid. Application must be submitted to the Board at least 30 days prior to a regular Board meeting scheduled every Quarter on the first Tuesday of January, April, July and October.

6. ANNUAL LICENSE TO BID (Not Used)

7. CHARGES FOR PROPOSALS, PLANS AND SPECIFICATIONS

Prospective Bidders may obtain Proposal forms including one copy of Contract Documents upon payment of the amount of money stipulated in the "Advertisement for Bids."

No refunds will be made for return of Plans or Specifications.

In the event all Bids are rejected and the Project is re-advertised, the original Bidders shall **NOT** be entitled to free Bidders Proposal forms for the subsequent letting.

8. OMISSIONS AND DISCREPANCIES

Should a Bidder find discrepancies, errors or omissions in the Drawings or Specifications, or should he be in doubt as to the correctness of the Plan details, dimensions and layout, he should immediately notify the Engineer in order to permit checking and any necessary revisions or modifications.

9. ADDENDA

Prior to the date set for opening of Bids, the right is reserved, in the interests of the Owner, as it may require, to revise or amend the Contract Documents. Such revisions, if any, will be announced by an Addendum or Addenda, and copies of such Addenda will be furnished to all prospective Bidders who have purchased Plans and Specifications for acknowledgment by return fax. If the revisions and Addenda are of a nature which require material changes in quantities or prices Bid, or both, the date set for opening Bids may be postponed to enable Bidders to revise their Bids. In such case, the Addendum or Addenda will include an announcement of the new date for opening Bids.

10. INTERPRETATIONS

No oral interpretation made to any Bidder as to the meaning of the Contract Documents shall be

considered an effective modification of any of the provisions of the Contract Documents. In order to ensure appropriate and concise responses, and avoid any misinterpretations, no verbal questions will be received. Written requests for interpretation of the Plans and Specifications shall be submitted to the Engineer at least 10 days prior to opening of Proposals so that a formal decision can be given in writing to all known prospective Bidders in the form of an Addendum. The Contract Document contains the provisions required for the construction of the Project. Information obtained from an officer, agent, or employee of the Owner or any other person shall not affect the risks or obligations assumed by the Contractor or relieve him from fulfilling any of the conditions of the Contract.

11. BID SECURITY

All Bids shall be accompanied by a Bid Security in the form of a Certified Check upon a national or state bank or a Bid Bond made by a bonding company registered in the State of Mississippi, drawn and made payable to the Owner in an amount equal to five percent of the Bid. The Certified Check or Bid Bond must be enclosed in the same envelope with the Bid. Except as noted below, the Bid Security of all known unsuccessful Bidders will be returned promptly after a Notice of Award has been sent to the successful Bidder or in the event that all Bids are rejected.

The Bid Security of the next two lowest qualified Bidders will be retained until the Contract has been executed with the lowest qualified Bidder. The Bid Security of the successful Bidder will be returned when satisfactory Performance and Payment Bonds have been furnished and approved and the Contract executed.

12. GENERAL INFORMATION

Bidders shall inform themselves and comply with all pertinent Owner regulations and ordinances, State and Federal laws, licenses and tax liabilities which may in any manner affect their Bids and the prosecution of the work. The successful bidder will be responsible for obtaining all building, plumbing, and electrical permits required by the local city government. Special attention is directed to the rules and regulations published by the Mississippi State Tax Commission outlining certain taxes imposed on Contractors by the state of Mississippi.

13. REJECTION OF PROPOSAL

Proposals may be rejected in the case of any omission, alterations of forms, additions or conditions not called for, unauthorized alternate Bids, incomplete Bids, erasures or irregularities of any kind. Bids received conditioning their consideration or rejection upon Bids for the other work submitted by the same Bidder may be classed as irregular, unless the Contract Documents specifically invite or permit conditional or combination Bids. Bids in which the prices obviously are unbalanced may be rejected.

14. CONDITIONS OF WORK

Each Bidder must inform himself fully of the conditions relating to the construction of the Project and the employment of labor thereon. Failure to do so will not relieve a successful Bidder of his obligation to furnish all materials and labor necessary to carry out the provisions of his Contract. Insofar as possible, the Contractor, in carrying out his work, must employ such methods or means as will not cause any interruption of or interference with the work of any other Contractor.

15. SECURITY FOR FAITHFUL PERFORMANCE

Simultaneously with his delivery of the Executed Contract, the Contractor shall furnish a Performance Bond and a Payment Bond each in the sum of 100% of the Contract amount as security for faithful performance of his Contract and for the payment of all persons performing labor on the Project under his Contract and furnishing materials in connection with his Contract, as specified in the Contract Documents. The surety of such Bonds shall be issued by a duly authorized surety company listed on the Treasury Department's most current list Circular 570 (as amended) and satisfactory to the Owner.

Attorneys in fact who sign Bid Bonds or Payment Bonds and Performance Bonds must file with each bond a certified and effective dated copy of their Power of Attorney. Failure of the successful Bidder to execute the Contract and to supply the required bonds within 10 calendar days from the date that the Notice of Award is delivered, or within such extended period as the Owner may grant based upon reasons determined sufficient by the Owner, shall constitute a default, and the Owner, at his discretion, may either award the Contract to the next lowest qualified Bidder or readvertise for Bids, and may charge against the Bidder the difference between the amount for which a Contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the Bid Bond. If a more favorable bid is received by readvertising, the defaulting Bidder shall have no claim against the Owner for a refund. The Contractor's bond will not be released until all provisions of the Contract have been fulfilled.

16. INSURANCE

The Contractor will be required to carry the types and amounts of insurance named in the Contract Documents for the full life of the Contract.

17. SUBCONTRACTORS

Bidders are specifically advised that any person, firm or other party to whom it is proposed to award a Subcontract must be acceptable to the Owner. Nothing contained in the Contract Documents shall create any contractual relation between subcontractor and the Owner.

18. METHOD OF AWARD – LOWEST RESPONSIVE BIDDER

The Owner will award the Contract to the lowest and best Bid unless all Bids are rejected. The award will be based on the evaluation of the low bid for the total base bid or the total alternate bid as decided upon by the Owner.

The responsiveness of the low Bidder shall be determined by (1) the completeness and regularity of the Bidders Proposal; (2) the Bidders Proposal being without exclusions or special conditions; (3) the Bid Form having no alternative Bids for any item unless requested in the Technical Specifications; and (4) such other factors as may be considered under State law, Federal law or regulation.

The evaluation of the low bidder will be based on whether the Bidder (1) maintains a permanent place of business; (2) has adequate plant equipment to do the work properly and within the time limit that is established; (3) has adequate financial status to meet his obligations contingent to the work; (4) has adequate manpower and present workload is such that he can perform according to a reasonable schedule; and (5) such other factors as may be considered under State law, Federal law or regulation.

19. OBLIGATION OF BIDDER

At the time of the opening of Bids, each Bidder will be presumed to have inspected the site and to have read and to be thoroughly familiar with the Plans and Contract Documents (including all Addenda).

The failure or omission of any Bidder to examine any form, instrument or document shall in no way relieve any Bidder from any obligation in respect to his Bid. Submission of Bid shall be accepted as prima facie evidence that Bidder has inspected the site and is familiar with the Plans and Contract Documents.

20. SUBSURFACE DATA

Not Used.

21. EXECUTION OF CONTRACT

If the successful Bidder is a corporation, the officer who signs the Contract shall furnish copies of the resolution of the Directors of the corporation authorizing him to sign the contract. Such resolution should bear the seal of the corporation.

Subject to the applicable provisions of law, the Contract shall be in full force and effect only from and after the date when a fully executed and approved counterpart thereof has been rendered or delivered, or both, to the Contractor or his duly authorized agent or representative. Deposit of said counterpart in the United States mail in an envelope or wrapper properly addressed shall constitute compliance with these provisions by the Owner.

22. INTERCHANGEABLE TERMS

The terms "Bid" and "Proposal" wherever they are used in the Contract Documents are interchangeable and have the same meaning. The terms "Contract" and "Agreement", are interchangeable and have the same meaning. The terms "Contract Drawings" and "Plans", are interchangeable and have the same meaning.

23. QUALIFICATIONS OF BIDDER, OWNER'S RIGHTS

The Owner may make such investigation as it deems necessary to determine the ability of the Bidder to perform the work, and the Bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by or investigation of such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein.

24. MATERIALS AND EQUIPMENT

Whenever materials or equipment are specified or described in the Contract Documents by using the name of a manufacturer, fabricator, supplier, or distributor, the naming of the item in this manner is intended to establish the type, function and quality required. Materials or equipment of other manufacturers, fabricators, suppliers, or distributors may be accepted by the Engineer if sufficient information is submitted by the Contractor to allow the Engineer to determine that the material or equipment proposed is equivalent to that named in the Contract Documents. Bidders are referred to Section 6.3 of the General Conditions regarding procedures for approval of substitute materials and

equipment.

25. NON-RESIDENT BIDDERS

Awarding public contracts to non-resident Bidders will be on the same basis as the non-resident Bidder's state awards contractors to Mississippi Contractors bidding under similar circumstances. In order to ensure that Mississippi's so called "Golden Rule" is followed, state law requires a non-resident Bidder to attach to his bid a copy of his resident state's current laws pertaining to such state's treatment of non-resident contractors.

26. CONTRACT TIME

The Contractor shall commence the work required by the Contract Documents within 10 calendar days after the date of the Notice to Proceed and will retain substantial completion within 150 consecutive calendar days of the Notice to Proceed date unless the period for completion is extended otherwise by the Contract Documents.

BIDDER'S PROPOSAL
TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING
CITY OF HATTIESBURG, MISSISSIPPI

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BIDDER'S PROPOSAL

TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG, MISSISSIPPI

DATE: _____, 20____

PROPOSAL OF _____
(Name of Bidder)

(Address of Bidder)

for construction of the Tatum Park – Soccer Fields 15 & 17 Lighting project.

The documents on which this Proposal is based include the Instructions to Bidders, Bid Forms, General Conditions, Supplementary Conditions, Supplemental General Conditions, Technical Specifications, Contract Drawings, and all supplements, amendments and addenda for this Project and are made a part hereof by reference.

**TO: CITY OF HATTIESBURG
200 FORREST STREET
HATTIESBURG, MISSISSIPPI 39401**

Gentlemen:

The following Proposal is submitted on behalf of the undersigned Bidder(s) and no others. Evidence of my (our) authority to submit the Proposal is hereby furnished. The Proposal is submitted without collusion on the part of any person, firm or corporation.

I (We), the undersigned Bidder(s), certify that I (we) have carefully examined the Instructions to Bidders, Bid Forms, General Conditions, Supplemental Conditions, Technical Specifications, Contract Drawings and any and all Addenda thereof.

I (We) further certify that I, (we) have visited and carefully examined the site of the proposed Work and have inspected the location and condition of all public utilities and existing structures or other facilities on the site or adjacent thereto which may be affected by the proposed construction and fully understand all conditions relative to construction difficulties, hazards, labor, transportation and all other factors affecting the prosecution of the work covered by this Proposal.

I (We) understand that the quantities mentioned below are approximate only and are subject to either increase or decrease, and hereby propose to perform any increased or decreased quantities of work at the unit prices bid. No increase in quantities of work shall be performed until a written change order is duly executed in advance and approved in the public minutes of the Owner.

00300-2

In accordance with the requirements of the Instructions to Bidders, Bid Forms, Federal Supplement to Bidder's Proposal, Technical Specifications, General Conditions, Supplementary Conditions, Contract Drawings, and any Addenda, I (we) propose to furnish all necessary materials, equipment, labor, tools and other means of construction and will do all Work called for by the Contract Documents within the specified Contract Time. The following is my (our) itemized proposal for the project:

Prices Bid and Approximate Quantities – Base Bid					
Pay Item	Description	Qty	Unit	Unit Price	Price Extension
1.0	TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING	1	LS		
Total Base Bid = \$					

THE BIDDER'S TOTAL ABOVE IS HIS TOTAL BID BASED ON HIS UNIT PRICES AND LUMP SUM PRICES AND THE ESTIMATED QUANTITIES. THIS FIGURE IS FOR INFORMATION ONLY AT THE TIME OF OPENING BIDS. THE OWNER WILL MAKE THE BID TABULATION FROM THE UNIT PRICES AND LUMP SUM PRICES BID. IF THERE IS AN ERROR IN THE TOTAL BY THE BIDDER, IT SHALL BE CHANGED AS ONLY THE UNIT PRICES AND LUMP SUM PRICES SHALL GOVERN.

NOTE: FAILURE OF BIDDER TO INCLUDE PRICES FOR THE ALTERNATE BID ITEMS MAY RENDER HIS PROPOSAL NON-RESPONSIVE.

NOTE: Bids shall include sales tax and all other applicable taxes and fees.

I (We) further propose to execute the Contract Agreement as bound herein within ten working days after receipt of Contract Forms from the Owner and to complete the work within the contract time. I (We) agree to pay as liquidated damages the actual costs, expenses and other losses reasonably incurred by Owner for each consecutive calendar day beyond the specified Contract Time.

I (We) also propose to execute a Performance Bond and a Payment Bond, as shown in the Specifications, each in an amount of not less than one hundred percent (100%) of the total of my (our) Bid. These Bonds shall not only serve to guarantee the completion of the Work on my (our) part, but also to guarantee the excellence of both workmanship and materials until the Work is finally accepted.

I (We) enclose a Bid Bond or Certified Check for 5 percent of _____
_____, DOLLARS (\$ _____)
(Base Bid Amount)

and hereby agree that in case of my (our) failure to execute the Contract and furnish the Bonds within ten calendar days after delivery of the Notice of Award, the amount of this check (Bid Bond) will be forfeited to the Owner as liquidated damages arising out of my (our) failure to execute the Contract as proposed.

It is understood that in case I (we) am (are) not awarded the Work, the Certified Check or Bid Bond submitted as Bid security will be returned as stipulated in the Contract Documents.

Bidder acknowledges receipt of the following Addenda:

No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____

Respectfully Submitted,

Contractor(s)

By: _____
Title

Address

BIDDER'S CORPORATE DECLARATION
(TO BE FILLED IN IF BIDDER IS A CORPORATION)

Date: _____, 20_____.

Our corporation is chartered under the Laws of the state of _____ and the names, titles and business addresses of the executives are as follows:

President

Secretary

Treasurer

DECLARATION OF PARTNERSHIP

(To be filled in if a Bidder is a Partnership)

Our Partnership is composed of the following individuals:

Address

Address

NON-COLLUSION AFFIDAVIT

TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG, MISSISSIPPI

(THIS AFFIDAVIT MUST BE EXECUTED FOR THE BID TO BE CONSIDERED)

STATE OF _____)
COUNTY OF _____) ss.

_____ being first duly sworn,
(Person)
deposes and says that he is _____

(Sole owner, a partner, president, secretary, etc.)
of _____ the party making the foregoing Proposal or Bid;
(Name of Firm)

that such Bid is genuine and not collusive; that said Bidder is not financially interested in, or otherwise affiliated in a business way with any other bidder on the same contract; that said Bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to put in a sham bid, or that such other person shall refrain from bidding, and has not in any manner, directly or indirectly sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, or to secure any advantage against the Owner or any person or persons interested in the proposed contract; and that all statements contained in said Proposal or Bid are true; and further, that such Bidder has not, directly or indirectly submitted his Bid, or the contents thereof, or divulged information or data relative thereto to any association or to any member or agent thereof.

Affiant

Sworn to and subscribed before me this _____ day of _____, 20_____.

Notary Public in and for

_____ County,

(SEAL)

My Commission Expires

_____, 20_____.

BID BOND

TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG, MISSISSIPPI

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned _____ as Principal, and _____ as Surety, are hereby held and firmly bound unto the Owner, in the penal sum of \$_____ for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns. Signed this ____ day of _____, 20 _____.

The condition of the above obligation is such that whereas the Principal has submitted to the Owner, a certain bid, attached hereto and hereby made a part hereof to enter into a contract in writing for the above referenced project.

NOW THEREFORE,

- (a) If said Bid shall be rejected, or in the alternate,
- (b) If said Bid shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said Bid) and shall furnish a bond for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bid,

then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such Bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to signed by their proper officers, the day and year first set forth above.

Contractor

SEAL

By:_____

Surety

SEAL

By:_____

PROPOSED SUBCONTRACTORS

TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG, MISSISSIPPI

The names and addresses of all persons and parties who will be utilized for subcontract Work in the foregoing Bidder's Proposal are listed below. (The Contractor must list all Subcontractors to be utilized on the Work. Failure to list Subcontractors may cause the Bidder's Proposal to be rejected by the Owner as non-responsive.) If the Bidder does not propose Subcontractors, so state.

NAME

ADDRESS

CONTRACT FORMS
TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING
CITY OF HATTIESBURG, MISSISSIPPI

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CONTRACT

TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG, MISSISSIPPI

This Contract, made this the _____ day of _____, 20____, by and between the City of Hattiesburg, Mississippi, a municipal corporation, hereinafter called "Owner" and _____ doing business as a _____ located in _____ hereinafter called the "Contractor".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. THE CONTRACTOR will commence and complete the "Tatum Park – Soccer Fields 15 & 17 Lighting" project in strict accordance with the Contract Documents and the Contract Drawings.
2. The Contractor will commence the work required by the CONTRACT DOCUMENTS within 10 calendar days after the date of the NOTICE TO PROCEED and will attain Final Completion within the contract time stipulated in the Advertisement for Bids unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS. The Contractor agrees to pay, as liquidated damages, the actual damages, costs, losses and expenses reasonably incurred by Owner for each consecutive calendar day that he shall be in default in attaining Final Completion within the time stipulated as provided herein.
3. The term "CONTRACT DOCUMENTS" means and includes Advertisement for Bids, Instructions to Bidders, Bidder's Proposal, Bid Bond, Contract, Payment Bond, Performance Bond, General Conditions, Supplementary Conditions, Technical Specifications, Contract Drawings, Notice of Award, Notice to Proceed, Addenda (if any), and all subsequent Change Orders, Supplemental Agreements and/or other modifications as if formally recopied in this Contract.
4. The Contractor agrees to furnish all materials in place and to faithfully complete all of said work contemplated by this Contract in good and workmanlike manner, strictly in accordance with said Contract Documents, Contract Drawings and other requirements of the Owner, and to the complete satisfaction of the Owner or his authorized representatives, and in accordance with the Laws of the state of Mississippi and the Ordinances of the Owner, for which the Owner hereby agrees to pay and the Contractor agrees to accept a sum of money in current funds equal to the contract amount of _____ (\$ _____) plus the amount of any supplemental agreements and force accounts for extra work authorized and duly set forth in a written change order approved and executed by the Owner and set forth in the public minutes of the Owner and in full compensation for furnishing all materials, the doing of all work contemplated under the Contract, as well as all loss or damage, if any, arising out of the nature of the work, or the action of the weather, and any and all other unforeseen obstructions or difficulties that may be encountered in the prosecution of the same, the Contractor assuming all risks of every kind and description in the performance of this

Contract.

5. The Contractor shall protect, indemnify and save harmless the Owner from and against any and all damage, loss, claims, judgments or expenses, including but not limited to reasonable attorney's fees, which the Owner may suffer or be subjected to by the performance of the work, including but without limitation injury to or death of any person whomever and destruction or damage to any property whatsoever.
6. Attached hereto and made a part of this Contract is a Performance Bond, executed by a Surety Company doing business in the state of Mississippi, in the sum of

(\$_____).
7. Attached hereto and made a part of this Contract is a Payment Bond, executed by a Surety Company doing business in the state of Mississippi, in the sum of

(\$_____).
8. The Contractor agrees to allow the Owner, or any of their duly authorized representatives, access to any books, documents, papers and records of the Contractor which are directly pertinent to the project which is the subject of this Contract, for the purpose of making audits, examinations, excerpts and transcriptions, and Contractor agrees to insert an identical clause in any and all subcontracts.
9. The Owner will pay to the Contractor in the manner and at such times and amounts as set forth in the Contract Documents.
10. This Contract shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.
11. If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner his obligations under this Contract, or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Contract, the Owner shall thereupon have the right to terminate this Contract by giving written notice to the Contractor of such termination and specifying the effective date thereof, at least five days before the effective date of such termination. Notwithstanding the above, the Contractor shall not be relieved of liability to the Owner for damages sustained by the Owner by virtue of any breach of the Contract by the Contractor and the Owner may withhold any payments to the Contractor until such time as the exact amount of damages due the Owner from the Contractor is determined.

IN WITNESS THEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Contract in 5 counterparts, each of which shall be deemed an original on the date first above written. (number)

OWNER

CONTRACTOR

BY _____

BY _____

ATTEST _____

ATTEST _____

(Seal)

(Seal)

PARTNERSHIP CERTIFICATE

State of _____

County of _____ Ss.

On this _____ day of _____, 20_____, before me personally appeared _____, known to me and known by me to be the person who executed the above instrument, who being by me first duly sworn, did depose and say that he is a general partner in the firm of _____; that said firm consists of himself and _____; and that he executed the foregoing instrument on behalf of said firm for the uses and purposes stated herein.

Notary Public in the

County of _____

State of _____

Notary Seal

My Commission Expires:

CORPORATE CERTIFICATE

I, _____ certify that I am the Secretary of the Corporation named as Contractor in the foregoing Contract; that _____, who signed said Contract on behalf of the Contractor was then _____ of said Corporation; that said Contract was duly signed for and in behalf of said Corporation by authority of its governing body and is within the scope of its corporate powers.

Secretary

Corporate Seal

00500-5

GENERAL INSTRUCTIONS FOR BONDS

1. The surety on each Bond must be a responsible surety company, which is qualified to do business in Mississippi and satisfactory to the Owner.
2. The name, including full Christian name and residence of each individual party to the Bond shall be inserted in the body thereof, and each such party shall sign the Bond with his usual signature on the line opposite the seal and if signed in Maine, Massachusetts or New Hampshire an adhesive seal shall be affixed opposite the signature. The bond must be either signed or countersigned by a Mississippi Resident Agent of the Surety Company.
3. If the principals are partners, their individual names will appear in the body of the Bond with the recital that they are partners composing a firm, naming it; and all the members of the firm shall execute the Bond as individuals.
4. The signature of a witness shall appear in the appropriate place, attesting to the signature of each individual party to the Bond.
5. If the principal or surety is a corporation, the name of the State in which incorporated shall be inserted in the appropriate place in the body of the Bond, and said instrument shall be executed and attested under the corporate seal as indicated in the form. If the corporation has no corporate seal the fact shall be stated, in which case, a scroll or adhesive seal shall appear following the corporate name.
6. The official character and authority of the person or persons executing the Bond for the principal, if a corporation, shall be certified by the secretary or assistant secretary, according to the form attached hereto. In lieu of such certificate there may be attached to the Bond copies of so much of the records of the corporation as will show the official character and authority of the officer signing, duly certified by the secretary or assistant secretary, under the corporate seal, to be true copies.
7. The date of this Bond must not be prior to the date of the Contract in connection with which it is given.
8. Surety Companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the project is located.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____ hereinafter called Principal, and
(Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto _____

(Name of Owner)

(Address of Owner)

hereinafter called OWNER, in the penal sum of _____ Dollars,
\$(_____) in lawful money of the United States, for the payment of which sum well
and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these
presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain
contract with the OWNER, dated _____ day of _____ 20 _____,
a copy of which is hereto attached and made a part hereof for the construction of :

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings,
covenants, terms, conditions, and agreements of said contract during the original term thereof, and any
extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the
one year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and
shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by
reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the
OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full
force and effect.

NOW, THEREFORE, if the Principal shall promptly make payment of all taxes, licenses, assignments,
contributions, damages, penalties, and interest thereon, when and as the same may lawfully be due the state of
Mississippi, or any county, municipality, board, department, commission, or political subdivision thereof, by
reason of and directly connected with the performance of said Contract or any part thereof as provided by
Sections 27-65-1, 27-65-21, 27-67-301 and 31-5-3, supra, or any other applicable statute or other authority,
then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

00500-7

PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this statement is executed in 5 counterparts, each one of which shall
(number)
be deemed an original, this the _____ day of _____, 20 _____.

ATTEST:

(Principal) Secretary
(Seal)

Principal
By _____

(Address)

Witness as to Principal

(Address)

ATTEST:

Surety
By _____

Witness as to Surety

(Address)

(Address)

NOTE: Date of BOND must not be prior to date of Contract.
 If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the PROJECT is located.

KNOW ALL MEN BY THESE PRESENTS THAT

(Corporation, Partnership, or Individual)

hereinafter called Surety, are held and firmly bound unto

in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____ 20 _____, a copy of which is hereto attached and made a part hereof for the construction of:

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms, SUBCONTRACTORS, and corporations furnishing materials for or performing labor in the prosecution of the WORK provided for in such contract, and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such WORK, and all insurance premiums on said WORK, and for all labor, performed in such WORK whether by SUBCONTRACTOR or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this statement is executed in 5 counterparts, each one of which shall
(number)
be deemed an original, this the _____ day of _____, 20 _____.

ATTEST:

(Principal) Secretary
(Seal)

Principal
By _____

(Address)

Witness as to Principal

(Address)

ATTEST:

Surety

By _____

Witness as to Surety

(Address)

(Address)

NOTE: Date of BOND must not be prior to date of Contract.
If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the PROJECT is located.

NOTICE OF AWARD

Date _____

TO: _____

RE: Tatum Park – Soccer Fields 15 & 17 Lighting
 City of Hattiesburg, Mississippi

NOTICE OF AWARD

Gentlemen:

The Owner has considered the Proposal submitted by you for the above referenced Work in response to its Advertisement for Bids and Instructions to Bidders.

You are hereby notified that your Proposal has been accepted in the amount of \$_____.

You are required by the Instruction to Bidders to execute the Contract and furnish to the Owner the required Contractor's Performance Bond, Payment Bond and certificates of insurance within 10 calendar days from the date of delivery of this Notice to you. We have enclosed five copies of the necessary contract forms and bond forms. Please return all five copies of these documents to the offices of Neel-Schaffer, 704 Hardy Street, Hattiesburg, MS 39401.

If you fail to execute said Contract and to furnish said Bonds within 10 days from the date of delivery of this Notice, the Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your proposal as abandoned and as a forfeiture of your Bid Bond. The Owner will be entitled to such other rights as may be granted by Law.

You are required by the General Conditions and Supplementary Conditions to submit to Neel-Schaffer, Inc. an estimated progress schedule, a preliminary schedule of Shop Drawing submissions and a preliminary schedule of values of the Work within 10 days after the effective date of this Contract, all in accordance with Article 2.5 of the General Conditions.

00500-11

You are required to return an acknowledged copy of this Notice of Award directly to the City of Hattiesburg, Mississippi, Attention: Lamar Rutland, P.E., and to Neel-Schaffer, Inc.

Sincerely,

NEEL-SCHAFFER, INC.

Geoffrey Crosby, P.E.
Senior Project Manager

c: Lamar Rutland, P.E.
City of Hattiesburg
220 Forrest Street
Hattiesburg, MS 39401

ACCEPTANCE OF NOTICE

Receipt of the above Notice of Award is hereby acknowledged by _____ this, the
_____ day of _____, 20_____.

By _____

Title _____

NOTICE TO PROCEED

Date

To: _____

Attention: _____

REFERENCE: NOTICE TO PROCEED
TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING
CITY OF HATTIESBURG, MISSISSIPPI

Dear _____:

You are hereby notified to commence Work in accordance with the Contract dated _____, on or before _____. You are to complete the Work within ____ consecutive calendar days from the effective date of this Notice to Proceed. The date of Final Completion is therefore _____. Liquidated damages in the amount of the actual damages, costs, losses and expenses reasonably incurred by the OWNER per calendar day for each day the Work has not achieved Final Completion after _____ will be imposed unless the contract time is otherwise adjusted for due cause by change orders to the Contract. Liquidated Damages, as defined herein, will be assessed unless the Contract Time is otherwise adjusted for due cause by change order to the Contract.

The engineering firm of Neel-Schaffer, Inc. will act as the Engineer on behalf of the City of Hattiesburg, Mississippi for the work to be performed under the contract. Geoffrey Crosby, P.E., of Neel-Schaffer, Inc. will be the designated representative of the Engineer.

Please return a copy of this NOTICE TO PROCEED and ACCEPTANCE OF NOTICE to the undersigned and to Neel-Schaffer, Inc., indicating your receipt of this document in the space provided below.

Sincerely,

City of Hattiesburg, Mississippi

Mayor Toby Barker

00500-13

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED

is hereby acknowledged by _____

this, the _____ **day**

of _____, **20**_____.

By_____

Title_____

CERTIFICATE OF SUFFICIENCY

TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG, MISSISSIPPI

I, _____, CHIEF LEGAL OFFICER FOR THE
OWNER, DO HEREBY CERTIFY THAT I HAVE EXAMINED THIS AGREEMENT, THE BONDS AND
EVIDENCE OF INSURANCE OFFERED BY THE CONTRACTOR AND FIND THEM TO BE
PROPERLY EXECUTED, ADEQUATE AND SUFFICIENT.

Date: _____

CONTRACT CHANGE ORDER

OWNER: _____ PROJECT NAME: _____

CONTRACTOR: _____

DATE: _____

CHANGE ORDER NUMBER: _____ CONTRACT NUMBER: _____

REASON FOR CHANGE: _____

YOU ARE HEREBY REQUESTED TO COMPLY WITH THE FOLLOWING CHANGES FROM THE CONTRACT
PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS: (USE ADDITIONAL SHEETS IF REQUIRED)

ITEM NO.	DESCRIPTION OF CHANGE(S) (QUANTITIES, ETC.)	QTY	UNIT COST	TOTAL CONTRACT
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00

TOTAL CONTRACT CHANGE	\$
	TOTAL CONTRACT
ORIGINAL CONTRACT AMOUNT:	\$
CURRENT CONTRACT AMOUNT:	\$
THIS CONTRACT CHANGE	
REVISED CONTRACT AMOUNT:	\$
CURRENT CONTRACT COMPLETION DATE:	
TIME EXTENSION REQUIRED BY CHANGE:	
REVISED CONTRACT COMPLETION DATE:	
THIS DOCUMENT SHALL BE AN AMENDMENT TO THE CONTRACT AND ALL PROVISIONS OF THE CONTRACT WILL APPLY. RECOMMENDED BY: _____ ENGINEER _____ DATE _____ NEEL-SCHAFFER, INC. ACCEPTED BY: _____ CONTRACTOR _____ DATE _____	

This document has important legal consequences; consultation with an attorney is encouraged with respect to its use or modification. This document should be adapted to the particular circumstances of the contemplated Project and the Controlling Law.

STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

Prepared by

ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

and

Issued and Published Jointly By



PROFESSIONAL ENGINEERS IN PRIVATE PRACTICE
a practice division of the
NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

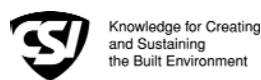
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AMERICAN SOCIETY OF CIVIL ENGINEERS

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Construction Specifications Institute

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1420 King Street, Alexandria, VA 22314

American Council of Engineering Companies
1015 15th Street, N.W., Washington, DC 20005

American Society of Civil Engineers
1801 Alexander Bell Drive, Reston, VA 20191-4400

These General Conditions have been prepared for use with the Suggested Forms of Agreement Between Owner and Contractor Nos. C-520 or C-525 (2002 Editions). Their provisions are interrelated and a change in one may necessitate a change in the other. Comments concerning their usage are contained in the EJCDC Construction Documents, General and Instructions (No. C-001) (2002 Edition). For guidance in the preparation of Supplementary Conditions, see Guide to the Preparation of Supplementary Conditions (No. C-800) (2002 Edition).

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GENERAL CONDITIONS

ARTICLE 1 - DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

A. Wherever used in the Bidding Requirements or Contract Documents and printed with initial capital letters, the terms listed below will have the meanings indicated which are applicable to both the singular and plural thereof. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.

1. *Addenda*--Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.

2. *Agreement*--The written instrument which is evidence of the agreement between Owner and Contractor covering the Work.

3. *Application for Payment*--The form acceptable to Engineer which is to be used by Contractor during the course of the Work in requesting progress or final payments and which is to be accompanied by such supporting documentation as is required by the Contract Documents.

4. *Asbestos*--Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.

5. *Bid*--The offer or proposal of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

6. *Bidder*--The individual or entity who submits a Bid directly to Owner.

7. *Bidding Documents*--The Bidding Requirements and the proposed Contract Documents (including all Addenda).

8. *Bidding Requirements*--The Advertisement or Invitation to Bid, Instructions to Bidders, bid security of acceptable form, if any, and the Bid Form with any supplements.

9. *Change Order*--A document recommended by Engineer which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, issued on or after the Effective Date of the Agreement.

10. *Claim*--A demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both, or other relief with respect to the terms of the Contract. A demand for money or services by a third party is not a Claim.

11. *Contract*--The entire and integrated written agreement between the Owner and Contractor concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral.

12. *Contract Documents*-- Those items so designated in the Agreement. Only printed or hard copies of the items listed in the Agreement are Contract Documents. Approved Shop Drawings, other Contractor's submittals, and the reports and drawings of subsurface and physical conditions are not Contract Documents.

13. *Contract Price*--The moneys payable by Owner to Contractor for completion of the Work in accordance with the Contract Documents as stated in the Agreement (subject to the provisions of Paragraph 11.03 in the case of Unit Price Work).

14. *Contract Times*--The number of days or the dates stated in the Agreement to: (i) achieve Milestones, if any, (ii) achieve Substantial Completion; and (iii) complete the Work so that it is ready for final payment as evidenced by Engineer's written recommendation of final payment.

15. *Contractor*--The individual or entity with whom Owner has entered into the Agreement.

16. *Cost of the Work*--See Paragraph 11.01.A for definition.

17. *Drawings*--That part of the Contract Documents prepared or approved by Engineer which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.

18. *Effective Date of the Agreement*--The date indicated in the Agreement on which it becomes effective, but if no such date is indicated, it means the date on which the Agreement is signed and delivered by the last of the two parties to sign and deliver.

19. *Engineer*--The individual or entity named as such in the Agreement.

20. *Field Order*--A written order issued by Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or the Contract Times.

21. *General Requirements*--Sections of Division 1 of the Specifications. The General Requirements pertain to all sections of the Specifications.

22. *Hazardous Environmental Condition*--The presence at the Site of Asbestos, PCBs, Petroleum, Hazardous Waste, or Radioactive Material in such quantities or circumstances that may present a substantial danger to persons or property exposed thereto in connection with the Work.

23. *Hazardous Waste*--The term Hazardous Waste shall have the meaning provided in Section 1004 of the Solid Waste Disposal Act (42 USC Section 6903) as amended from time to time.

24. *Laws and Regulations; Laws or Regulations*--Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.

25. *Liens*--Charges, security interests, or encumbrances upon Project funds, real property, or personal property.

26. *Milestone*--A principal event specified in the Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all the Work.

27. *Notice of Award*--The written notice by Owner to the Successful Bidder stating that upon timely compliance by the Successful Bidder with the conditions precedent listed therein, Owner will sign and deliver the Agreement.

28. *Notice to Proceed*--A written notice given by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work under the Contract Documents.

29. *Owner*--The individual or entity with whom Contractor has entered into the Agreement and for whom the Work is to be performed.

30. *PCBs*--Polychlorinated biphenyls.

31. *Petroleum*--Petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute), such as oil, petroleum, fuel oil, oil sludge, oil refuse, gasoline, kerosene, and oil mixed with other non-Hazardous Waste and crude oils.

32. *Progress Schedule*--A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising the Contractor's plan to accomplish the Work within the Contract Times.

33. *Project*--The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part.

34. *Project Manual*--The bound documentary information prepared for bidding and constructing the Work. A listing of the contents of the Project Manual, which may be bound in one or more volumes, is contained in the table(s) of contents.

35. *Radioactive Material*--Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954 (42 USC Section 2011 et seq.) as amended from time to time.

36. *Related Entity* -- An officer, director, partner, employee, agent, consultant, or subcontractor.

37. *Resident Project Representative*--The authorized representative of Engineer who may be assigned to the Site or any part thereof.

38. *Samples*--Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.

39. *Schedule of Submittals*--A schedule, prepared and maintained by Contractor, of required submittals and the time requirements to support scheduled performance of related construction activities.

40. *Schedule of Values*--A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

41. *Shop Drawings*--All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.

42. *Site*--Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements for access thereto, and such other lands furnished by Owner which are designated for the use of Contractor.

43. *Specifications*--That part of the Contract Documents consisting of written requirements for materials, equipment, systems, standards and workmanship as applied to the Work, and certain

administrative requirements and procedural matters applicable thereto.

44. *Subcontractor*--An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work at the Site.

45. *Substantial Completion*--The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Work refer to Substantial Completion thereof.

46. *Successful Bidder*--The Bidder submitting a responsive Bid to whom Owner makes an award.

47. *Supplementary Conditions*--That part of the Contract Documents which amends or supplements these General Conditions.

48. *Supplier*--A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or any Subcontractor.

49. *Underground Facilities*--All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.

50. *Unit Price Work*--Work to be paid for on the basis of unit prices.

51. *Work*--The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction, and furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.

52. *Work Change Directive*--A written statement to Contractor issued on or after the Effective Date of the Agreement and signed by Owner and recommended by Engineer ordering an addition, deletion, or revision in the Work, or responding to differing or unforeseen subsurface or physical conditions under which the Work is to be performed or to emergencies. A Work Change Directive will not change the Contract Price or the Contract Times

but is evidence that the parties expect that the change ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order following negotiations by the parties as to its effect, if any, on the Contract Price or Contract Times.

1.02 Terminology

A. The following words or terms are not defined but, when used in the Bidding Requirements or Contract Documents, have the following meaning.

B. Intent of Certain Terms or Adjectives

1. The Contract Documents include the terms "as allowed," "as approved," "as ordered", "as directed" or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives "reasonable," "suitable," "acceptable," "proper," "satisfactory," or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action or determination will be solely to evaluate, in general, the Work for compliance with the requirements of and information in the Contract Documents and conformance with the design concept of the completed Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of Paragraph 9.09 or any other provision of the Contract Documents.

C. Day

1. The word "day" means a calendar day of 24 hours measured from midnight to the next midnight.

D. Defective

1. The word "defective," when modifying the word "Work," refers to Work that is unsatisfactory, faulty, or deficient in that it:

- a. does not conform to the Contract Documents, or
- b. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents, or
- c. has been damaged prior to Engineer's - recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 14.04 or 14.05).

E. Furnish, Install, Perform, Provide

1. The word “furnish,” when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.

2. The word “install,” when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.

3. The words “perform” or “provide,” when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.

4. When “furnish,” “install,” “perform,” or “provide” is not used in connection with services, materials, or equipment in a context clearly requiring an obligation of Contractor, “provide” is implied.

F. Unless stated otherwise in the Contract Documents, words or phrases which have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2 - PRELIMINARY MATTERS

2.01 *Delivery of Bonds and Evidence of Insurance*

A. When Contractor delivers the executed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner such bonds as Contractor may be required to furnish.

B. *Evidence of Insurance:* Before any Work at the Site is started, Contractor and Owner shall each deliver to the other, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance which either of them or any additional insured may reasonably request) which Contractor and Owner respectively are required to purchase and maintain in accordance with Article 5.

2.02 *Copies of Documents*

A. Owner shall furnish to Contractor up to ten printed or hard copies of the Drawings and Project Manual. Additional copies will be furnished upon request at the cost of reproduction.

2.03 *Commencement of Contract Times; Notice to Proceed*

A. The Contract Times will commence to run on the thirtieth day after the Effective Date of the Agreement

or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Agreement. In no event will the Contract Times commence to run later than the sixtieth day after the day of Bid opening or the thirtieth day after the Effective Date of the Agreement, whichever date is earlier.

2.04 *Starting the Work*

A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work shall be done at the Site prior to the date on which the Contract Times commence to run.

2.05 *Before Starting Construction*

A. *Preliminary Schedules:* Within 10 days after the Effective Date of the Agreement (unless otherwise specified in the General Requirements), Contractor shall submit to Engineer for timely review:

1. a preliminary Progress Schedule; indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract Documents;

2. a preliminary Schedule of Submittals; and

3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

2.06 *Preconstruction Conference*

A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work and to discuss the schedules referred to in Paragraph 2.05.A, procedures for handling Shop Drawings and other submittals, processing Applications for Payment, and maintaining required records.

2.07 *Initial Acceptance of Schedules*

A. At least 10 days before submission of the first Application for Payment a conference attended by Contractor, Engineer, and others as appropriate will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with Paragraph 2.05.A. Contractor shall have an additional 10 days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer.

1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work nor interfere with or relieve Contractor from Contractor's full responsibility therefor.

2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.

3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to component parts of the Work.

ARTICLE 3 - CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

3.01 *Intent*

A. The Contract Documents are complementary; what is required by one is as binding as if required by all.

B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended result will be provided whether or not specifically called for at no additional cost to Owner.

C. Clarifications and interpretations of the Contract Documents shall be issued by Engineer as provided in Article 9.

3.02 *Reference Standards*

A. Standards, Specifications, Codes, Laws, and Regulations

1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard, specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Agreement if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.

2. No provision of any such standard, specification, manual or code, or any instruction of a Supplier shall be effective to change the duties or

responsibilities of Owner, Contractor, or Engineer, or any of their subcontractors, consultants, agents, or employees from those set forth in the Contract Documents. No such provision or instruction shall be effective to assign to Owner, or Engineer, or any of, their Related Entities, any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

3.03 *Reporting and Resolving Discrepancies*

A. Reporting Discrepancies

1. *Contractor's Review of Contract Documents Before Starting Work:* Before undertaking each part of the Work, Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures therein and all applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy which Contractor may discover and shall obtain a written interpretation or clarification from Engineer before proceeding with any Work affected thereby.

2. *Contractor's Review of Contract Documents During Performance of Work:* If, during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents or between the Contract Documents and any provision of any Law or Regulation applicable to the performance of the Work or of any standard, specification, manual or code, or of any instruction of any Supplier, Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 6.16.A) until an amendment or supplement to the Contract Documents has been issued by one of the methods indicated in Paragraph 3.04.

3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor knew or reasonably should have known thereof.

B. Resolving Discrepancies

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:

a. the provisions of any standard, specification, manual, code, or instruction (whether or not specifically incorporated by reference in the Contract Documents); or

b. the provisions of any Laws or Regulations applicable to the performance of the Work

(unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 *Amending and Supplementing Contract Documents*

A. The Contract Documents may be amended to provide for additions, deletions, and revisions in the Work or to modify the terms and conditions thereof by either a Change Order or a Work Change Directive.

B. The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work may be authorized, by one or more of the following ways:

1. A Field Order;

2. Engineer's approval of a Shop Drawing or Sample; (Subject to the provisions of Paragraph 6.17.D.3); or

3. Engineer's written interpretation or clarification.

3.05 *Reuse of Documents*

A. Contractor and any Subcontractor or Supplier or other individual or entity performing or furnishing all of the Work under a direct or indirect contract with Contractor, shall not:

1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or Engineer's consultants, including electronic media editions; or

2. reuse any of such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaption by Engineer.

B. The prohibition of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes.

3.06 *Electronic Data*

A. Copies of data furnished by Owner or Engineer to Contractor or Contractor to Owner or Engineer that may be relied upon are limited to the printed copies (also known as hard copies). Files in electronic media format of text, data, graphics, or other types are furnished only for the convenience of the receiving party. Any conclusion or information obtained or derived from such electronic files will be at the user's

sole risk. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

B. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within 60 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 60-day acceptance period will be corrected by the transferring party..

C. When transferring documents in electronic media format, the transferring party makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by the data's creator.

ARTICLE 4 - AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS; REFERENCE POINTS

4.01 *Availability of Lands*

A. Owner shall furnish the Site. Owner shall notify Contractor of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work. Owner will obtain in a timely manner and pay for easements for permanent structures or permanent changes in existing facilities. If Contractor and Owner are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of any delay in Owner's furnishing the Site or a part thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.

B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which the Work is to be performed and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.

C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

4.02 *Subsurface and Physical Conditions*

A. *Reports and Drawings:* The Supplementary Conditions identify:

1. those reports of explorations and tests of subsurface conditions at or contiguous to the Site that Engineer has used in preparing the Contract Documents; and

2. those drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) that Engineer has used in preparing the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their Related Entities with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions, or information.

4.03 *Differing Subsurface or Physical Conditions*

A. *Notice:* If Contractor believes that any subsurface or physical condition at or contiguous to the Site that is uncovered or revealed either:

1. is of such a nature as to establish that any "technical data" on which Contractor is entitled to rely as provided in Paragraph 4.02 is materially inaccurate; or

2. is of such a nature as to require a change in the Contract Documents; or

3. differs materially from that shown or indicated in the Contract Documents; or

4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except as aforesaid) until receipt of written order to do so.

B. *Engineer's Review:* After receipt of written notice as required by Paragraph 4.03.A, Engineer will promptly review the pertinent condition, determine the necessity of Owner's obtaining additional exploration or tests with respect thereto, and advise Owner in writing (with a copy to Contractor) of Engineer's findings and conclusions.

C. *Possible Price and Times Adjustments*

1. The Contract Price or the Contract Times, or both, will be equitably adjusted to the extent that the existence of such differing subsurface or physical condition causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

a. such condition must meet any one or more of the categories described in Paragraph 4.03.A; and

b. with respect to Work that is paid for on a Unit Price Basis, any adjustment in Contract Price will be subject to the provisions of Paragraphs 9.07 and 11.03.

2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if:

a. Contractor knew of the existence of such conditions at the time Contractor made a final commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract; or

b. the existence of such condition could reasonably have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such final commitment; or

c. Contractor failed to give the written notice as required by Paragraph 4.03.A.

3. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, a Claim may be made therefor as provided in Paragraph 10.05. However, Owner and Engineer, and any of their Related Entities shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

4.04 *Underground Facilities*

A. *Shown or Indicated:* The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:

1. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data; and

2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:

- a. reviewing and checking all such information and data,
- b. locating all Underground Facilities shown or indicated in the Contract Documents,
- c. coordination of the Work with the owners of such Underground Facilities, including Owner, during construction, and
- d. the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

B. *Not Shown or Indicated*

1. If an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents, Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer. Engineer will

promptly review the Underground Facility and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the consequences of the existence or location of the Underground Facility. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

2. If Engineer concludes that a change in the Contract Documents is required, a Work Change Directive or a Change Order will be issued to reflect and document such consequences. An equitable adjustment shall be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the existence or location of any Underground Facility that was not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment in Contract Price or Contract Times, Owner or Contractor may make a Claim therefor as provided in Paragraph 10.05.

4.05 *Reference Points*

A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.06 *Hazardous Environmental Condition at Site*

A. *Reports and Drawings:* Reference is made to the Supplementary Conditions for the identification of those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that have been utilized by the Engineer in the preparation of the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their Related Entities with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions or information.

C. Contractor shall not be responsible for any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work. Contractor shall be responsible for a Hazardous Environmental Condition created with any materials brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible.

D. If Contractor encounters a Hazardous Environmental Condition or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 6.16.A); and (iii) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any.

E. Contractor shall not be required to resume Work in connection with such condition or in any affected area until after Owner has obtained any required permits related thereto and delivered to Contractor written notice: (i) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work; or (ii) specifying any special conditions under which such Work may be resumed safely. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, either party may make a Claim therefor as provided in Paragraph 10.05.

F. If after receipt of such written notice Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work. If Owner and Contractor cannot agree as to

entitlement to or on the amount or extent, if any, of an adjustment in Contract Price or Contract Times as a result of deleting such portion of the Work, then either party may make a Claim therefor as provided in Paragraph 10.05. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 7.

G. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition: (i) was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be included within the scope of the Work, and (ii) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06. G shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

H. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06.H shall obligate Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

I. The provisions of Paragraphs 4.02, 4.03, and 4.04 do not apply to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 5 - BONDS AND INSURANCE

5.01 *Performance, Payment, and Other Bonds*

A. Contractor shall furnish performance and payment bonds, each in an amount at least equal to the Contract Price as security for the faithful performance and payment of all of Contractor's obligations under the Contract Documents. These bonds shall remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified

in Paragraph 13.07, whichever is later, except as provided otherwise by Laws or Regulations or by the Contract Documents. Contractor shall also furnish such other bonds as are required by the Contract Documents.

B. All bonds shall be in the form prescribed by the Contract Documents except as provided otherwise by Laws or Regulations, and shall be executed by such sureties as are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. All bonds signed by an agent must be accompanied by a certified copy of the agent's authority to act.

C. If the surety on any bond furnished by Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of Paragraph 5.01.B, Contractor shall promptly notify Owner and Engineer and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which shall comply with the requirements of Paragraphs 5.01.B and 5.02.

5.02 *Licensed Sureties and Insurers*

A. All bonds and insurance required by the Contract Documents to be purchased and maintained by Owner or Contractor shall be obtained from surety or insurance companies that are duly licensed or authorized in the jurisdiction in which the Project is located to issue bonds or insurance policies for the limits and coverages so required. Such surety and insurance companies shall also meet such additional requirements and qualifications as may be provided in the Supplementary Conditions.

5.03 *Certificates of Insurance*

A. Contractor shall deliver to Owner, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Owner or any other additional insured) which Contractor is required to purchase and maintain.

B. Owner shall deliver to Contractor, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Contractor or any other additional insured) which Owner is required to purchase and maintain.

5.04 *Contractor's Liability Insurance*

A. Contractor shall purchase and maintain such liability and other insurance as is appropriate for the Work being performed and as will provide protection

from claims set forth below which may arise out of or result from Contractor's performance of the Work and Contractor's other obligations under the Contract Documents, whether it is to be performed by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable:

1. claims under workers' compensation, disability benefits, and other similar employee benefit acts;

2. claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees;

3. claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;

4. claims for damages insured by reasonably available personal injury liability coverage which are sustained:

a. by any person as a result of an offense directly or indirectly related to the employment of such person by Contractor, or

b. by any other person for any other reason;

5. claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom; and

6. claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.

B. The policies of insurance required by this Paragraph 5.04 shall:

1. with respect to insurance required by Paragraphs 5.04.A.3 through 5.04.A.6 inclusive, include as additional insured (subject to any customary exclusion regarding professional liability) Owner and Engineer, and any other individuals or entities identified in the Supplementary Conditions, all of whom shall be listed as additional insureds, and include coverage for the respective officers, directors, partners, employees, agents, consultants and subcontractors of each and any of all such additional insureds, and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby;

2. include at least the specific coverages and be written for not less than the limits of liability provided in the Supplementary Conditions or required by Laws or Regulations, whichever is greater;

3. include completed operations insurance;

4. include contractual liability insurance covering Contractor's indemnity obligations under Paragraphs 6.11 and 6.20;

5. contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured identified in the Supplementary Conditions to whom a certificate of insurance has been issued (and the certificates of insurance furnished by the Contractor pursuant to Paragraph 5.03 will so provide);

6. remain in effect at least until final payment and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work in accordance with Paragraph 13.07; and

7. with respect to completed operations insurance, and any insurance coverage written on a claims-made basis, remain in effect for at least two years after final payment.

a. Contractor shall furnish Owner and each other additional insured identified in the Supplementary Conditions, to whom a certificate of insurance has been issued, evidence satisfactory to Owner and any such additional insured of continuation of such insurance at final payment and one year thereafter.

5.05 *Owner's Liability Insurance*

A. In addition to the insurance required to be provided by Contractor under Paragraph 5.04, Owner, at Owner's option, may purchase and maintain at Owner's expense Owner's own liability insurance as will protect Owner against claims which may arise from operations under the Contract Documents.

5.06 *Property Insurance*

A. Unless otherwise provided in the Supplementary Conditions, Owner shall purchase and maintain property insurance upon the Work at the Site in the amount of the full replacement cost thereof (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). This insurance shall:

1. include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured;

2. be written on a Builder's Risk "all-risk" or open peril or special causes of loss policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, false work, and materials and equipment in transit, and shall insure against at least the following perils or causes of loss: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage, (other than caused by flood) and such other perils or causes of loss as may be specifically required by the Supplementary Conditions;

3. include expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects);

4. cover materials and equipment stored at the Site or at another location that was agreed to in writing by Owner prior to being incorporated in the Work, provided that such materials and equipment have been included in an Application for Payment recommended by Engineer;

5. allow for partial utilization of the Work by Owner;

6. include testing and startup; and

7. be maintained in effect until final payment is made unless otherwise agreed to in writing by Owner, Contractor, and Engineer with 30 days written notice to each other additional insured to whom a certificate of insurance has been issued.

B. Owner shall purchase and maintain such boiler and machinery insurance or additional property insurance as may be required by the Supplementary Conditions or Laws and Regulations which will include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured.

C. All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with Paragraph 5.06 will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured to whom a certificate of insurance has been issued and will contain waiver provisions in accordance with Paragraph 5.07.

D. Owner shall not be responsible for purchasing and maintaining any property insurance specified in this Paragraph 5.06 to protect the interests of Contractor, Subcontractors, or others in the Work to the extent of any

deductible amounts that are identified in the Supplementary Conditions. The risk of loss within such identified deductible amount will be borne by Contractor, Subcontractors, or others suffering any such loss, and if any of them wishes property insurance coverage within the limits of such amounts, each may purchase and maintain it at the purchaser's own expense.

E. If Contractor requests in writing that other special insurance be included in the property insurance policies provided under Paragraph 5.06, Owner shall, if possible, include such insurance, and the cost thereof will be charged to Contractor by appropriate Change Order. Prior to commencement of the Work at the Site, Owner shall in writing advise Contractor whether or not such other insurance has been procured by Owner.

5.07 *Waiver of Rights*

A. Owner and Contractor intend that all policies purchased in accordance with Paragraph 5.06 will protect Owner, Contractor, Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) in such policies and will provide primary coverage for all losses and damages caused by the perils or causes of loss covered thereby. All such policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any of the insureds or additional insureds thereunder. Owner and Contractor waive all rights against each other and their respective officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them for all losses and damages caused by, arising out of or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insured or additional insured (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) under such policies for losses and damages so caused. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by Owner as trustee or otherwise payable under any policy so issued.

B. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them for:

1. loss due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other perils whether or not insured by Owner; and

2. loss or damage to the completed Project or part thereof caused by, arising out of, or resulting from fire or other insured peril or cause of loss covered by any property insurance maintained on the completed Project or part thereof by Owner during partial utilization pursuant to Paragraph 14.05, after Substantial Completion pursuant to Paragraph 14.04, or after final payment pursuant to Paragraph 14.07.

C. Any insurance policy maintained by Owner covering any loss, damage or consequential loss referred to in Paragraph 5.07.B shall contain provisions to the effect that in the event of payment of any such loss, damage, or consequential loss, the insurers will have no rights of recovery against Contractor, Subcontractors, or Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them.

5.08 *Receipt and Application of Insurance Proceeds*

A. Any insured loss under the policies of insurance required by Paragraph 5.06 will be adjusted with Owner and made payable to Owner as fiduciary for the insureds, as their interests may appear, subject to the requirements of any applicable mortgage clause and of Paragraph 5.08.B. Owner shall deposit in a separate account any money so received and shall distribute it in accordance with such agreement as the parties in interest may reach. If no other special agreement is reached, the damaged Work shall be repaired or replaced, the moneys so received applied on account thereof, and the Work and the cost thereof covered by an appropriate Change Order.

B. Owner as fiduciary shall have power to adjust and settle any loss with the insurers unless one of the parties in interest shall object in writing within 15 days after the occurrence of loss to Owner's exercise of this power. If such objection be made, Owner as fiduciary shall make settlement with the insurers in accordance with such agreement as the parties in interest may reach. If no such agreement among the parties in interest is reached, Owner as fiduciary shall adjust and settle the loss with the insurers and, if required in writing by any party in interest, Owner as fiduciary shall give bond for the proper performance of such duties.

5.09 *Acceptance of Bonds and Insurance; Option to Replace*

A. If either Owner or Contractor has any objection to the coverage afforded by or other provisions of the bonds or insurance required to be purchased and maintained by the other party in accordance with Article 5 on the basis of non-conformance with the Contract

Documents, the objecting party shall so notify the other party in writing within 10 days after receipt of the certificates (or other evidence requested) required by Paragraph 2.01.B. Owner and Contractor shall each provide to the other such additional information in respect of insurance provided as the other may reasonably request. If either party does not purchase or maintain all of the bonds and insurance required of such party by the Contract Documents, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage. Without prejudice to any other right or remedy, the other party may elect to obtain equivalent bonds or insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and a Change Order shall be issued to adjust the Contract Price accordingly.

5.10 *Partial Utilization, Acknowledgment of Property Insurer*

A. If Owner finds it necessary to occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work as provided in Paragraph 14.05, no such use or occupancy shall commence before the insurers providing the property insurance pursuant to Paragraph 5.06 have acknowledged notice thereof and in writing effected any changes in coverage necessitated thereby. The insurers providing the property insurance shall consent by endorsement on the policy or policies, but the property insurance shall not be canceled or permitted to lapse on account of any such partial use or occupancy.

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

6.01 *Supervision and Superintendence*

A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction. Contractor shall not be responsible for the negligence of Owner or Engineer in the design or specification of a specific means, method, technique, sequence, or procedure of construction which is shown or indicated in and expressly required by the Contract Documents.

B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who shall not be replaced without written notice to Owner and Engineer except under extraordinary circumstances. The superintendent will be Contractor's representative at the Site and shall have authority to act on behalf of Contractor. All communications given to or

received from the superintendent shall be binding on Contractor.

6.02 *Labor; Working Hours*

A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the Site.

B. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed during regular working hours. Contractor will not permit the performance of Work on a Saturday, Sunday, or any legal holiday without Owner's written consent (which will not be unreasonably withheld) given after prior written notice to Engineer.

6.03 *Services, Materials, and Equipment*

A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start-up, and completion of the Work.

B. All materials and equipment incorporated into the Work shall be as specified or, if not specified, shall be of good quality and new, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications shall expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.

C. All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

6.04 *Progress Schedule*

A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.07 as it may be adjusted from time to time as provided below.

1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.07) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times. Such adjustments will comply with any provisions of the General Requirements applicable thereto.

2. Proposed adjustments in the Progress Schedule that will change the Contract Times shall be submitted in accordance with the requirements of Article 12. Adjustments in Contract Times may only be made by a Change Order.

6.05 *Substitutes and "Or-Equals"*

A. Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or-equal" item or no substitution is permitted, other items of material or equipment or material or equipment of other Suppliers may be submitted to Engineer for review under the circumstances described below.

1. *"Or-Equal" Items:* If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements for approval of proposed substitute items. For the purposes of this Paragraph 6.05.A.1, a proposed item of material or equipment will be considered functionally equal to an item so named if:

a. in the exercise of reasonable judgment Engineer determines that:

1) it is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;

2) it will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole,

3) it has a proven record of performance and availability of responsive service; and

b. Contractor certifies that, if approved and incorporated into the Work:

1) there will be no increase in cost to the Owner or increase in Contract Times, and

2) it will conform substantially to the detailed requirements of the item named in the Contract Documents.

2. Substitute Items

a. If in Engineer's sole discretion an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item under Paragraph 6.05.A.1, it will be considered a proposed substitute item.

b. Contractor shall submit sufficient information as provided below to allow Engineer to determine that the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor.

c. The requirements for review by Engineer will be as set forth in Paragraph 6.05.A.2.d, as supplemented in the General Requirements and as Engineer may decide is appropriate under the circumstances.

d. Contractor shall make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application:

1) shall certify that the proposed substitute item will:

a) perform adequately the functions and achieve the results called for by the general design,

b) be similar in substance to that specified, and

c) be suited to the same use as that specified;

2) will state:

a) the extent, if any, to which the use of the proposed substitute item will prejudice Contractor's achievement of Substantial Completion on time;

b) whether or not use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item; and

c) whether or not incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty;

3) will identify:

a) all variations of the proposed substitute item from that specified, and

b) available engineering, sales, maintenance, repair, and replacement services;

4) and shall contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including costs of redesign and claims of other contractors affected by any resulting change,

B. Substitute Construction Methods or Procedures: If a specific means, method, technique, sequence, or procedure of construction is expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence, or procedure of construction approved by Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The requirements for review by Engineer will be similar to those provided in Paragraph 6.05.A.2.

C. Engineer's Evaluation: Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made pursuant to Paragraphs 6.05.A and 6.05.B. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No "or equal" or substitute will be ordered, installed or utilized until Engineer's review is complete, which will be evidenced by either a Change Order for a substitute or an approved Shop Drawing for an "or equal." Engineer will advise Contractor in writing of any negative determination.

D. Special Guarantee: Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.

E. Engineer's Cost Reimbursement: Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor pursuant to Paragraphs 6.05.A.2 and 6.05.B. Whether or not Engineer approves a substitute item so proposed or submitted by Contractor, Contractor shall reimburse Owner for the charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the charges of Engineer for making changes in the Contract

Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.

F. Contractor's Expense: Contractor shall provide all data in support of any proposed substitute or "or-equal" at Contractor's expense.

6.06 Concerning Subcontractors, Suppliers, and Others

A. Contractor shall not employ any Subcontractor, Supplier, or other individual or entity (including those acceptable to Owner as indicated in Paragraph 6.06.B), whether initially or as a replacement, against whom Owner may have reasonable objection. Contractor shall not be required to employ any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work against whom Contractor has reasonable objection.

B. If the Supplementary Conditions require the identity of certain Subcontractors, Suppliers, or other individuals or entities to be submitted to Owner in advance for acceptance by Owner by a specified date prior to the Effective Date of the Agreement, and if Contractor has submitted a list thereof in accordance with the Supplementary Conditions, Owner's acceptance (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Bidding Documents or the Contract Documents) of any such Subcontractor, Supplier, or other individual or entity so identified may be revoked on the basis of reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity, and the Contract Price will be adjusted by the difference in the cost occasioned by such replacement, and an appropriate Change Order will be issued. No acceptance by Owner of any such Subcontractor, Supplier, or other individual or entity, whether initially or as a replacement, shall constitute a waiver of any right of Owner or Engineer to reject defective Work.

C. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions. Nothing in the Contract Documents:

1. shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier or other individual or entity, nor

2. shall anything in the Contract Documents create any obligation on the part of Owner or Engineer to pay or to see to the payment of any moneys due any such Subcontractor, Supplier, or other individual

or entity except as may otherwise be required by Laws and Regulations.

D. Contractor shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work under a direct or indirect contract with Contractor.

E. Contractor shall require all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work to communicate with Engineer through Contractor.

F. The divisions and sections of the Specifications and the identifications of any Drawings shall not control Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.

G. All Work performed for Contractor by a Subcontractor or Supplier will be pursuant to an appropriate agreement between Contractor and the Subcontractor or Supplier which specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer. Whenever any such agreement is with a Subcontractor or Supplier who is listed as an additional insured on the property insurance provided in Paragraph 5.06, the agreement between the Contractor and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against Owner, Contractor, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) for all losses and damages caused by, arising out of, relating to, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, Contractor will obtain the same.

6.07 *Patent Fees and Royalties*

A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if to the actual knowledge of Owner or Engineer its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by Owner in the Contract Documents.

B. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

6.08 *Permits*

A. Unless otherwise provided in the Supplementary Conditions, Contractor shall obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of opening of Bids, or, if there are no Bids, on the Effective Date of the Agreement. Owner shall pay all charges of utility owners for connections for providing permanent service to the Work.

6.09 *Laws and Regulations*

A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.

B. If Contractor performs any Work knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work. However, it shall not be Contractor's primary responsibility to make certain that the Specifications and Drawings are in accordance with Laws and Regulations, but this shall not relieve Contractor of Contractor's obligations under Paragraph 3.03.

C. Changes in Laws or Regulations not known at the time of opening of Bids (or, on the Effective Date of the Agreement if there were no Bids) having an effect on the cost or time of performance of the Work shall be the subject of an adjustment in Contract Price or Contract Times. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

6.10 Taxes

A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

6.11 Use of Site and Other Areas

A. Limitation on Use of Site and Other Areas

1. Contractor shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the Site and other areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and other areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or of any adjacent land or areas resulting from the performance of the Work.

2. Should any claim be made by any such owner or occupant because of the performance of the Work, Contractor shall promptly settle with such other party by negotiation or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law.

3. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused by or based upon Contractor's performance of the Work.

B. Removal of Debris During Performance of the Work: During the progress of the Work Contractor shall keep the Site and other areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris shall conform to applicable Laws and Regulations.

C. Cleaning: Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.

D. Loading Structures: Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

6.12 Record Documents

A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, and written interpretations and clarifications in good order and annotated to show changes made during construction. These record documents together with all approved Samples and a counterpart of all approved Shop Drawings will be available to Engineer for reference. Upon completion of the Work, these record documents, Samples, and Shop Drawings will be delivered to Engineer for Owner.

6.13 Safety and Protection

A. Contractor shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

1. all persons on the Site or who may be affected by the Work;

2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and

3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.

B. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify owners of adjacent property and of Underground Facilities and other utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property.

C. All damage, injury, or loss to any property referred to in Paragraph 6.13.A.2 or 6.13.A.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor (except damage or loss attributable to the fault of Draw-

ings or Specifications or to the acts or omissions of Owner or Engineer or , or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).

D. Contractor's duties and responsibilities for safety and for protection of the Work shall continue until such time as all the Work is completed and Engineer has issued a notice to Owner and Contractor in accordance with Paragraph 14.07.B that the Work is acceptable (except as otherwise expressly provided in connection with Substantial Completion).

6.14 *Safety Representative*

A. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

6.15 *Hazard Communication Programs*

A. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

6.16 *Emergencies*

A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent threatened damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

6.17 *Shop Drawings and Samples*

A. Contractor shall submit Shop Drawings and Samples to Engineer for review and approval in accordance with the acceptable Schedule of Submittals (as required by Paragraph 2.07). Each submittal will be identified as Engineer may require.

1. Shop Drawings

a. Submit number of copies specified in the General Requirements.

b. Data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide and to enable Engineer to review the information for the limited purposes required by Paragraph 6.17.D.

2. *Samples*: Contractor shall also submit Samples to Engineer for review and approval in accordance with the acceptable schedule of Shop Drawings and Sample submittals.

a. Submit number of Samples specified in the Specifications.

b. Clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the submittal for the limited purposes required by Paragraph 6.17.D.

B. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals , any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

C. Submittal Procedures

1. Before submitting each Shop Drawing or Sample, Contractor shall have determined and verified:

a. all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto;

b. the suitability of all materials with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work;

c. all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto; and

d. shall also have reviewed and coordinated each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents.

2. Each submittal shall bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents

with respect to Contractor's review and approval of that submittal.

3. With each submittal, Contractor shall give Engineer specific written notice of any variations, that the Shop Drawing or Sample may have from the requirements of the Contract Documents. This notice shall be both a written communication separate from the Shop Drawing's or Sample Submittal; and, in addition, by a specific notation made on each Shop Drawing or Sample submitted to Engineer for review and approval of each such variation.

D. Engineer's Review

1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the Schedule of Submittals acceptable to Engineer. Engineer's review and approval will be only to determine if the items covered by the submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.

2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction (except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the Contract Documents) or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.

3. Engineer's review and approval shall not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 6.17.C.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer's review and approval shall not relieve Contractor from responsibility for complying with the requirements of Paragraph 6.17.C.1.

E. Resubmittal Procedures

1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.

6.18 Continuing the Work

A. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or

disagreements with Owner. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, except as permitted by Paragraph 15.04 or as Owner and Contractor may otherwise agree in writing.

6.19 Contractor's General Warranty and Guarantee

A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its Related Entities shall be entitled to rely on representation of Contractor's warranty and guarantee.

B. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:

1. abuse, modification, or improper maintenance or operation by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or

2. normal wear and tear under normal usage.

C. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:

1. observations by Engineer;

2. recommendation by Engineer or payment by Owner of any progress or final payment;

3. the issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;

4. use or occupancy of the Work or any part thereof by Owner;

5. any review and approval of a Shop Drawing or Sample submittal or the issuance of a notice of acceptability by Engineer;

6. any inspection, test, or approval by others; or

7. any correction of defective Work by Owner.

6.20 Indemnification

A. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or

arbitration or other dispute resolution costs) arising out of or relating to the performance of the Work, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work or anyone for whose acts any of them may be liable .

B. In any and all claims against Owner or Engineer or any of their respective consultants, agents, officers, directors, partners, or employees by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 6.20.A shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

C. The indemnification obligations of Contractor under Paragraph 6.20.A shall not extend to the liability of Engineer and Engineer's officers, directors, partners, employees, agents, consultants and subcontractors arising out of:

1. the preparation or approval of, or the failure to prepare or approve, maps, Drawings, opinions, reports, surveys, Change Orders, designs, or Specifications; or
2. giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage.

6.21 *Delegation of Professional Design Services*

A. Contractor will not be required to provide professional design services unless such services are specifically required by the Contract Documents for a portion of the Work or unless such services are required to carry out Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable law.

B. If professional design services or certifications by a design professional related to systems, materials or equipment are specifically required of Contractor by the Contract Documents, Owner and Engineer will specify all performance and design criteria that such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly licensed professional, whose signature and seal

shall appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to Engineer.

C. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals, provided Owner and Engineer have specified to Contractor all performance and design criteria that such services must satisfy.

D. Pursuant to this Paragraph 6.21, Engineer's review and approval of design calculations and design drawings will be only for the limited purpose of checking for conformance with performance and design criteria given and the design concept expressed in the Contract Documents. Engineer's review and approval of Shop Drawings and other submittals (except design calculations and design drawings) will be only for the purpose stated in Paragraph 6.17.D.1.

E. Contractor shall not be responsible for the adequacy of the performance or design criteria required by the Contract Documents.

ARTICLE 7 - OTHER WORK AT THE SITE

7.01 *Related Work at Site*

A. Owner may perform other work related to the Project at the Site with Owner's employees, or via other direct contracts therefor, or have other work performed by utility owners. If such other work is not noted in the Contract Documents, then:

1. written notice thereof will be given to Contractor prior to starting any such other work; and

2. if Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times that should be allowed as a result of such other work, a Claim may be made therefor as provided in Paragraph 10.05.

B. Contractor shall afford each other contractor who is a party to such a direct contract, each utility owner and Owner, if Owner is performing other work with Owner's employees, proper and safe access to the Site, a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work, and shall properly coordinate the Work with theirs. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and

properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering their work and will only cut or alter their work with the written consent of Engineer and the others whose work will be affected. The duties and responsibilities of Contractor under this Paragraph are for the benefit of such utility owners and other contractors to the extent that there are comparable provisions for the benefit of Contractor in said direct contracts between Owner and such utility owners and other contractors.

C. If the proper execution or results of any part of Contractor's Work depends upon work performed by others under this Article 7, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.

7.02 *Coordination*

A. If Owner intends to contract with others for the performance of other work on the Project at the Site, the following will be set forth in Supplementary Conditions:

1. the individual or entity who will have authority and responsibility for coordination of the activities among the various contractors will be identified;

2. the specific matters to be covered by such authority and responsibility will be itemized; and

3. the extent of such authority and responsibilities will be provided.

B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

7.03 *Legal Relationships*

A. Paragraphs 7.01.A and 7.02 are not applicable for utilities not under the control of Owner.

B. Each other direct contract of Owner under Paragraph 7.01.A shall provide that the other contractor is liable to Owner and Contractor for the reasonable direct delay and disruption costs incurred by Contractor as a result of the other contractor's actions or inactions.

C. Contractor shall be liable to Owner and any other contractor for the reasonable direct delay and disruption costs incurred by such other contractor as a result of Contractor's action or inactions.

ARTICLE 8 - OWNER'S RESPONSIBILITIES

8.01 *Communications to Contractor*

A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

8.02 *Replacement of Engineer*

A. In case of termination of the employment of Engineer, Owner shall appoint an engineer to whom Contractor makes no reasonable objection, whose status under the Contract Documents shall be that of the former Engineer.

8.03 *Furnish Data*

A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

8.04 *Pay When Due*

A. Owner shall make payments to Contractor when they are due as provided in Paragraphs 14.02.C and 14.07.C.

8.05 *Lands and Easements; Reports and Tests*

A. Owner's duties in respect of providing lands and easements and providing engineering surveys to establish reference points are set forth in Paragraphs 4.01 and 4.05. Paragraph 4.02 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of subsurface conditions and drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site that have been utilized by Engineer in preparing the Contract Documents.

8.06 *Insurance*

A. Owner's responsibilities, if any, in respect to purchasing and maintaining liability and property insurance are set forth in Article 5.

8.07 *Change Orders*

A. Owner is obligated to execute Change Orders as indicated in Paragraph 10.03.

8.08 *Inspections, Tests, and Approvals*

A. Owner's responsibility in respect to certain inspections, tests, and approvals is set forth in Paragraph 13.03.B.

8.09 *Limitations on Owner's Responsibilities*

A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

8.10 *Undisclosed Hazardous Environmental Condition*

A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 4.06.

8.11 *Evidence of Financial Arrangements*

A. If and to the extent Owner has agreed to furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract Documents, Owner's responsibility in respect thereof will be as set forth in the Supplementary Conditions.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION

9.01 *Owner's Representative*

A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract Documents and will not be changed without written consent of Owner and Engineer.

9.02 *Visits to Site*

A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep

Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 9.09. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

9.03 *Project Representative*

A. If Owner and Engineer agree, Engineer will furnish a Resident Project Representative to assist Engineer in providing more extensive observation of the Work. The authority and responsibilities of any such Resident Project Representative and assistants will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in Paragraph 9.09. If Owner designates another representative or agent to represent Owner at the Site who is not Engineer's consultant, agent or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in the Supplementary Conditions.

9.04 *Authorized Variations in Work*

A. Engineer may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. These may be accomplished by a Field Order and will be binding on Owner and also on Contractor, who shall perform the Work involved promptly. If Owner or Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, or both, and the parties are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

9.05 *Rejecting Defective Work*

A. Engineer will have authority to reject Work which Engineer believes to be defective, or that Engineer believes will not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Engineer will also have authority to require special inspection or testing of the Work as provided in Paragraph 13.04, whether or not the Work is fabricated, installed, or completed.

9.06 *Shop Drawings, Change Orders and Payments*

A. In connection with Engineer's authority, and limitations thereof, as to Shop Drawings and Samples, see Paragraph 6.17.

B. In connection with Engineer's authority, and limitations thereof, as to design calculations and design drawings submitted in response to a delegation of professional design services, if any, see Paragraph 6.21.

C. In connection with Engineer's authority as to Change Orders, see Articles 10, 11, and 12.

D. In connection with Engineer's authority as to Applications for Payment, see Article 14.

9.07 *Determinations for Unit Price Work*

A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, subject to the provisions of Paragraph 10.05.

9.08 *Decisions on Requirements of Contract Documents and Acceptability of Work*

A. Engineer will be the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the Work thereunder. All matters in question and other matters between Owner and Contractor arising prior to the date final payment is due relating to the acceptability of the Work, and the interpretation of the requirements of the Contract Documents pertaining to the performance of the Work, will be referred initially to Engineer in writing within 30 days of the event giving rise to the question

B. Engineer will, with reasonable promptness, render a written decision on the issue referred. If Owner or Contractor believe that any such decision entitles them to an adjustment in the Contract Price or Contract Times or both, a Claim may be made under Paragraph 10.05. The date of Engineer's decision shall be the date of the event giving rise to the issues referenced for the purposes of Paragraph 10.05.B.

C. Engineer's written decision on the issue referred will be final and binding on Owner and Contractor, subject to the provisions of Paragraph 10.05.

D. When functioning as interpreter and judge under this Paragraph 9.08, Engineer will not show

partiality to Owner or Contractor and will not be liable in connection with any interpretation or decision rendered in good faith in such capacity.

9.09 *Limitations on Engineer's Authority and Responsibilities*

A. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract Documents nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.

B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.

D. Engineer's review of the final Application for Payment and accompanying documentation and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Paragraph 14.07.A will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals that the results certified indicate compliance with the Contract Documents.

E. The limitations upon authority and responsibility set forth in this Paragraph 9.09 shall also apply to, the Resident Project Representative, if any, and assistants, if any.

ARTICLE 10 - CHANGES IN THE WORK; CLAIMS

10.01 *Authorized Changes in the Work*

A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work by a Change Order, or a Work Change Directive. Upon receipt of any such document, Contractor shall

promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

B. If Owner and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of a Work Change Directive, a Claim may be made therefor as provided in Paragraph 10.05.

10.02 *Unauthorized Changes in the Work*

A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents as amended, modified, or supplemented as provided in Paragraph 3.04, except in the case of an emergency as provided in Paragraph 6.16 or in the case of uncovering Work as provided in Paragraph 13.04.B.

10.03 *Execution of Change Orders*

A. Owner and Contractor shall execute appropriate Change Orders recommended by Engineer covering:

1. changes in the Work which are: (i) ordered by Owner pursuant to Paragraph 10.01.A, (ii) required because of acceptance of defective Work under Paragraph 13.08.A or Owner's correction of defective Work under Paragraph 13.09, or (iii) agreed to by the parties;

2. changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive; and

3. changes in the Contract Price or Contract Times which embody the substance of any written decision rendered by Engineer pursuant to Paragraph 10.05; provided that, in lieu of executing any such Change Order, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable Laws and Regulations, but during any such appeal, Contractor shall carry on the Work and adhere to the Progress Schedule as provided in Paragraph 6.18.A.

10.04 *Notification to Surety*

A. If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times) is required by the provisions of any bond to be given to a surety, the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

10.05 *Claims*

A. *Engineer's Decision Required:* All Claims, except those waived pursuant to Paragraph 14.09, shall be referred to the Engineer for decision. A decision by Engineer shall be required as a condition precedent to any exercise by Owner or Contractor of any rights or remedies either may otherwise have under the Contract Documents or by Laws and Regulations in respect of such Claims.

B. *Notice:* Written notice stating the general nature of each Claim, shall be delivered by the claimant to Engineer and the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto. The responsibility to substantiate a Claim shall rest with the party making the Claim. Notice of the amount or extent of the Claim, with supporting data shall be delivered to the Engineer and the other party to the Contract within 60 days after the start of such event (unless Engineer allows additional time for claimant to submit additional or more accurate data in support of such Claim). A Claim for an adjustment in Contract Price shall be prepared in accordance with the provisions of Paragraph 12.01.B. A Claim for an adjustment in Contract Time shall be prepared in accordance with the provisions of Paragraph 12.02.B. Each Claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to Engineer and the claimant within 30 days after receipt of the claimant's last submittal (unless Engineer allows additional time).

C. *Engineer's Action:* Engineer will review each Claim and, within 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any, take one of the following actions in writing:

1. deny the Claim in whole or in part,

2. approve the Claim, or

3. notify the parties that the Engineer is unable to resolve the Claim if, in the Engineer's sole discretion, it would be inappropriate for the Engineer to do so. For purposes of further resolution of the Claim, such notice shall be deemed a denial.

D. In the event that Engineer does not take action on a Claim within said 30 days, the Claim shall be deemed denied.

E. Engineer's written action under Paragraph 10.05.C or denial pursuant to Paragraphs 10.05.C.3 or 10.05.D will be final and binding upon Owner and Contractor, unless Owner or Contractor invoke the dispute resolution procedure set forth in Article 16 within 30 days of such action or denial.

F. No Claim for an adjustment in Contract Price or Contract Times will be valid if not submitted in accordance with this Paragraph 10.05.

ARTICLE 11 - COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

11.01 *Cost of the Work*

A. *Costs Included:* The term Cost of the Work means the sum of all costs, except those excluded in Paragraph 11.01.B, necessarily incurred and paid by Contractor in the proper performance of the Work. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, the costs to be reimbursed to Contractor will be only those additional or incremental costs required because of the change in the Work or because of the event giving rise to the Claim. Except as otherwise may be agreed to in writing by Owner, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall include only the following items, and shall not include any of the costs itemized in Paragraph 11.01.B.

1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor. Such employees shall include, without limitation, superintendents, foremen, and other personnel employed full time at the Site. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits, which shall include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, shall be included in the above to the extent authorized by Owner.

2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts shall accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts shall accrue to Owner. All trade discounts, rebates and refunds and returns from sale of surplus materials and equipment shall accrue to Owner, and Contractor shall make provisions so that they may be obtained.

3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and

Contractor and shall deliver such bids to Owner, who will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee shall be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 11.01.

4. Costs of special consultants (including but not limited to Engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed for services specifically related to the Work.

5. Supplemental costs including the following:

a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.

b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, and hand tools not owned by the workers, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.

c. Rentals of all construction equipment and machinery, and the parts thereof whether rented from Contractor or others in accordance with rental agreements approved by Owner with the advice of Engineer, and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs shall be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the Work.

d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, imposed by Laws and Regulations.

e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.

f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work (except losses and damages within the deductible amounts of property insurance established in accordance with Paragraph 5.06.D), provided such losses and damages have

resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses shall be included in the Cost of the Work for the purpose of determining Contractor's fee.

g. The cost of utilities, fuel, and sanitary facilities at the Site.

h. Minor expenses such as telegrams, long distance telephone calls, telephone service at the Site, expresses, and similar petty cash items in connection with the Work.

i. The costs of premiums for all bonds and insurance Contractor is required by the Contract Documents to purchase and maintain.

B. Costs Excluded: The term Cost of the Work shall not include any of the following items:

1. Payroll costs and other compensation of Contractor's officers, executives, principals (of partnerships and sole proprietorships), general managers, safety managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 11.01.A.1 or specifically covered by Paragraph 11.01.A.4, all of which are to be considered administrative costs covered by the Contractor's fee.

2. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.

3. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.

4. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.

5. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraphs 11.01.A and 11.01.B.

C. Contractor's Fee: When all the Work is performed on the basis of cost-plus, Contractor's fee shall

be determined as set forth in the Agreement. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, Contractor's fee shall be determined as set forth in Paragraph 12.01.C.

D. Documentation: Whenever the Cost of the Work for any purpose is to be determined pursuant to Paragraphs 11.01.A and 11.01.B, Contractor will establish and maintain records thereof in accordance with generally accepted accounting practices and submit in a form acceptable to Engineer an itemized cost breakdown together with supporting data.

11.02 Allowances

A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.

B. Cash Allowances

1. Contractor agrees that:

a. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and

b. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment on account of any of the foregoing will be valid.

C. Contingency Allowance

1. Contractor agrees that a contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.

D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

11.03 Unit Price Work

A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.

B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by Contractor will be made by Engineer subject to the provisions of Paragraph 9.07.

C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.

D. Owner or Contractor may make a Claim for an adjustment in the Contract Price in accordance with Paragraph 10.05 if:

1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and

2. there is no corresponding adjustment with respect any other item of Work; and

3. Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or Owner believes that Owner is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease.

ARTICLE 12 - CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

12.01 *Change of Contract Price*

A. The Contract Price may only be changed by a Change Order. Any Claim for an adjustment in the Contract Price shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.

B. The value of any Work covered by a Change Order or of any Claim for an adjustment in the Contract Price will be determined as follows:

1. where the Work involved is covered by unit prices contained in the Contract Documents, by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 11.03); or

2. where the Work involved is not covered by unit prices contained in the Contract Documents, by a mutually agreed lump sum (which may include an

allowance for overhead and profit not necessarily in accordance with Paragraph 12.01.C.2); or

3. where the Work involved is not covered by unit prices contained in the Contract Documents and agreement to a lump sum is not reached under Paragraph 12.01.B.2, on the basis of the Cost of the Work (determined as provided in Paragraph 11.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 12.01.C).

C. *Contractor's Fee:* The Contractor's fee for overhead and profit shall be determined as follows:

1. a mutually acceptable fixed fee; or

2. if a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:

a. for costs incurred under Paragraphs 11.01.A.1 and 11.01.A.2, the Contractor's fee shall be 15 percent;

b. for costs incurred under Paragraph 11.01.A.3, the Contractor's fee shall be five percent;

c. where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraph 12.01.C.2.a is that the Subcontractor who actually performs the Work, at whatever tier, will be paid a fee of 15 percent of the costs incurred by such Subcontractor under Paragraphs 11.01.A.1 and 11.01.A.2 and that any higher tier Subcontractor and Contractor will each be paid a fee of five percent of the amount paid to the next lower tier Subcontractor;

d. no fee shall be payable on the basis of costs itemized under Paragraphs 11.01.A.4, 11.01.A.5, and 11.01.B;

e. the amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in cost will be the amount of the actual net decrease in cost plus a deduction in Contractor's fee by an amount equal to five percent of such net decrease; and

f. when both additions and credits are involved in any one change, the adjustment in Contractor's fee shall be computed on the basis of the net change in accordance with Paragraphs 12.01.C.2.a through 12.01.C.2.e, inclusive.

12.02 *Change of Contract Times*

A. The Contract Times may only be changed by a Change Order. Any Claim for an adjustment in the Contract Times shall be based on written notice submitted

by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.

B. Any adjustment of the Contract Times covered by a Change Order or any Claim for an adjustment in the Contract Times will be determined in accordance with the provisions of this Article 12.

12.03 Delays

A. Where Contractor is prevented from completing any part of the Work within the Contract Times due to delay beyond the control of Contractor, the Contract Times will be extended in an amount equal to the time lost due to such delay if a Claim is made therefor as provided in Paragraph 12.02.A. Delays beyond the control of Contractor shall include, but not be limited to, acts or neglect by Owner, acts or neglect of utility owners or other contractors performing other work as contemplated by Article 7, fires, floods, epidemics, abnormal weather conditions, or acts of God.

B. If Owner, Engineer, or other contractors or utility owners performing other work for Owner as contemplated by Article 7, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times, or both. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

C. If Contractor is delayed in the performance or progress of the Work by fire, flood, epidemic, abnormal weather conditions, acts of God, acts or failures to act of utility owners not under the control of Owner, or other causes not the fault of and beyond control of Owner and Contractor, then Contractor shall be entitled to an equitable adjustment in Contract Times, if such adjustment is essential to Contractor's ability to complete the Work within the Contract Times. Such an adjustment shall be Contractor's sole and exclusive remedy for the delays described in this Paragraph 12.03.C.

D. Owner, Engineer and the Related Entities of each of them shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of Engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

E. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delays within the control of Contractor. Delays attributable to and within the control of a Subcontractor or Supplier shall be deemed to be delays within the control of Contractor.

ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

13.01 Notice of Defects

A. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor. All defective Work may be rejected, corrected, or accepted as provided in this Article 13.

13.02 Access to Work

A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and governmental agencies with jurisdictional interests will have access to the Site and the Work at reasonable times for their observation, inspecting, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's Site safety procedures and programs so that they may comply therewith as applicable.

13.03 Tests and Inspections

A. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections, tests, or approvals and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.

B. Owner shall employ and pay for the services of an independent testing laboratory to perform all inspections, tests, or approvals required by the Contract Documents except:

1. for inspections, tests, or approvals covered by Paragraphs 13.03.C and 13.03.D below;

2. that costs incurred in connection with tests or inspections conducted pursuant to Paragraph 13.04.B shall be paid as provided in said Paragraph 13.04.C; and

3. as otherwise specifically provided in the Contract Documents.

C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.

D. Contractor shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required for Owner's and Engineer's acceptance of materials or equipment to

be incorporated in the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to Owner and Engineer.

E. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, it must, if requested by Engineer, be uncovered for observation.

F. Uncovering Work as provided in Paragraph 13.03.E shall be at Contractor's expense unless Contractor has given Engineer timely notice of Contractor's intention to cover the same and Engineer has not acted with reasonable promptness in response to such notice.

13.04 *Uncovering Work*

A. If any Work is covered contrary to the written request of Engineer, it must, if requested by Engineer, be uncovered for Engineer's observation and replaced at Contractor's expense.

B. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, furnishing all necessary labor, material, and equipment.

C. If it is found that the uncovered Work is defective, Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05.

D. If, the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.

13.05 *Owner May Stop the Work*

A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

13.06 *Correction or Removal of Defective Work*

A. Promptly after receipt of notice, Contractor shall correct all defective Work, whether or not fabricated, installed, or completed, or, if the Work has been rejected by Engineer, remove it from the Project and replace it with Work that is not defective. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or removal (including but not limited to all costs of repair or replacement of work of others).

B. When correcting defective Work under the terms of this Paragraph 13.06 or Paragraph 13.07, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.

13.07 *Correction Period*

A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents) or by any specific provision of the Contract Documents, any Work is found to be defective, or if the repair of any damages to the land or areas made available for Contractor's use by Owner or permitted by Laws and Regulations as contemplated in Paragraph 6.11.A is found to be defective, Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:

1. repair such defective land or areas; or
2. correct such defective Work; or
3. if the defective Work has been rejected by Owner, remove it from the Project and replace it with Work that is not defective, and
4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others or other land or areas resulting therefrom.

B. If Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others) will be paid by Contractor.

C. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications .

D. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this Paragraph 13.07, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

E. Contractor's obligations under this Paragraph 13.07 are in addition to any other obligation or warranty. The provisions of this Paragraph 13.07 shall not be construed as a substitute for or a waiver of the provisions of any applicable statute of limitation or repose.

13.08 *Acceptance of Defective Work*

A. If, instead of requiring correction or removal and replacement of defective Work, Owner (and, prior to Engineer's recommendation of final payment, Engineer) prefers to accept it, Owner may do so. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness) and the diminished value of the Work to the extent not otherwise paid by Contractor pursuant to this sentence. If any such acceptance occurs prior to Engineer's recommendation of final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work, and Owner shall be entitled to an appropriate decrease in the Contract Price, reflecting the diminished value of Work so accepted. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05. If the acceptance occurs after such recommendation, an appropriate amount will be paid by Contractor to Owner.

13.09 *Owner May Correct Defective Work*

A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work or to remove and replace rejected Work as required by Engineer in accordance with Paragraph 13.06.A, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, Owner may, after seven days written notice to Contractor, correct or remedy any such deficiency.

B. In exercising the rights and remedies under this Paragraph 13.09, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, take possession of Contractor's tools, appliances, construction equipment and machinery at the Site, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this Paragraph.

C. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 13.09 will be charged against Contractor, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount of the adjustment, Owner may make a Claim therefor as provided in Paragraph 10.05. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.

D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 13.09.

ARTICLE 14 - PAYMENTS TO CONTRACTOR AND COMPLETION

14.01 *Schedule of Values*

A. The Schedule of Values established as provided in Paragraph 2.07.A will serve as the basis for progress

payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed.

14.02 *Progress Payments*

A. Applications for Payments

1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of all Liens and evidence that the materials and equipment are covered by appropriate property insurance or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.

2. Beginning with the second Application for Payment, each Application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior Applications for Payment.

3. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

B. Review of Applications

1. Engineer will, within 10 days after receipt of each Application for Payment, either indicate in writing a recommendation of payment and present the Application to Owner or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.

2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations on the Site of the executed Work as an experienced and qualified design professional and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:

a. the Work has progressed to the point indicated;

b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, to the results of any subsequent tests called for in the Contract Documents, to a final determination of quantities and classifications for Unit Price Work under Paragraph 9.07, and to any other qualifications stated in the recommendation); and

c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.

3. By recommending any such payment Engineer will not thereby be deemed to have represented that:

a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract Documents; or

b. that there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.

4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:

a. to supervise, direct, or control the Work, or

b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or

c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work, or

d. to make any examination to ascertain how or for what purposes Contractor has used the moneys paid on account of the Contract Price, or

e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.

5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 14.02.B.2. Engineer may also refuse to recommend any such payment or, because of subsequently discovered evidence or the results of subsequent

inspections or tests, revise or revoke any such payment recommendation previously made, to such extent as may be necessary in Engineer's opinion to protect Owner from loss because:

- a. the Work is defective, or completed Work has been damaged, requiring correction or replacement;
- b. the Contract Price has been reduced by Change Orders;
- c. Owner has been required to correct defective Work or complete Work in accordance with Paragraph 13.09; or
- d. Engineer has actual knowledge of the occurrence of any of the events enumerated in Paragraph 15.02.A.

C. Payment Becomes Due

1. Ten days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended will (subject to the provisions of Paragraph 14.02.D) become due, and when due will be paid by Owner to Contractor.

D. Reduction in Payment

1. Owner may refuse to make payment of the full amount recommended by Engineer because:

- a. claims have been made against Owner on account of Contractor's performance or furnishing of the Work;
- b. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens;
- c. there are other items entitling Owner to a set-off against the amount recommended; or
- d. Owner has actual knowledge of the occurrence of any of the events enumerated in Paragraphs 14.02.B.5.a through 14.02.B.5.c or Paragraph 15.02.A.

2. If Owner refuses to make payment of the full amount recommended by Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, when Contractor corrects to Owner's satisfaction the reasons for such action.

3. If it is subsequently determined that Owner's refusal of payment was not justified, the amount wrongfully withheld shall be treated as an amount due as determined by Paragraph 14.02.C.1.

14.03 Contractor's Warranty of Title

A. Contractor warrants and guarantees that title to all Work, materials, and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to Owner no later than the time of payment free and clear of all Liens.

14.04 Substantial Completion

A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete (except for items specifically listed by Contractor as incomplete) and request that Engineer issue a certificate of Substantial Completion.

B. Promptly after Contractor's notification, , Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.

C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a tentative certificate of Substantial Completion which shall fix the date of Substantial Completion. There shall be attached to the certificate a tentative list of items to be completed or corrected before final payment. Owner shall have seven days after receipt of the tentative certificate during which to make written objection to Engineer as to any provisions of the certificate or attached list. If, after considering such objections, Engineer concludes that the Work is not substantially complete, Engineer will within 14 days after submission of the tentative certificate to Owner notify Contractor in writing, stating the reasons therefor. If, after consideration of Owner's objections, Engineer considers the Work substantially complete, Engineer will within said 14 days execute and deliver to Owner and Contractor a definitive certificate of Substantial Completion (with a revised tentative list of items to be completed or corrected) reflecting such changes from the tentative certificate as Engineer believes justified after consideration of any objections from Owner.

D. At the time of delivery of the tentative certificate of Substantial Completion, Engineer will deliver to Owner and Contractor a written recommendation as to division of responsibilities pending final payment between Owner and Contractor with respect to security, operation, safety, and protection of the Work, maintenance, heat, utilities, insurance, and warranties and guarantees. Unless Owner and Contractor agree otherwise in writing and so inform Engineer in writing prior to Engineer's issuing the definitive certificate of Substantial

Completion, Engineer's aforesaid recommendation will be binding on Owner and Contractor until final payment.

E. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to complete or correct items on the tentative list.

14.05 *Partial Utilization*

A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions.

1. Owner at any time may request Contractor in writing to permit Owner to use or occupy any such part of the Work which Owner believes to be ready for its intended use and substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor will certify to Owner and Engineer that such part of the Work is substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

2. Contractor at any time may notify Owner and Engineer in writing that Contractor considers any such part of the Work ready for its intended use and substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 14.04 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.

4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 5.10 regarding property insurance.

14.06 *Final Inspection*

A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals

that the Work is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

14.07 *Final Payment*

A. Application for Payment

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance certificates of inspection, marked-up record documents (as provided in Paragraph 6.12), and other documents, Contractor may make application for final payment following the procedure for progress payments.

2. The final Application for Payment shall be accompanied (except as previously delivered) by:

a. all documentation called for in the Contract Documents, including but not limited to the evidence of insurance required by Paragraph 5.04.B.7;

b. consent of the surety, if any, to final payment;

c. a list of all Claims against Owner that Contractor believes are unsettled; and

d. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of or Liens filed in connection with the Work.

3. In lieu of the releases or waivers of Liens specified in Paragraph 14.07.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (i) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (ii) all payrolls, material and equipment bills, and other indebtedness connected with the Work for which Owner or Owner's property might in any way be responsible have been paid or otherwise satisfied. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien.

B. *Engineer's Review of Application and Acceptance*

1. If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations

under the Contract Documents have been fulfilled, Engineer will, within ten days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of payment and present the Application for Payment to Owner for payment. At the same time Engineer will also give written notice to Owner and Contractor that the Work is acceptable subject to the provisions of Paragraph 14.09. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.

C. Payment Becomes Due

1. Thirty days after the presentation to Owner of the Application for Payment and accompanying documentation, the amount recommended by Engineer, less any sum Owner is entitled to set off against Engineer's recommendation, including but not limited to liquidated damages, will become due and , will be paid by Owner to Contractor.

14.08 *Final Completion Delayed*

A. If, through no fault of Contractor, final completion of the Work is significantly delayed, and if Engineer so confirms, Owner shall, upon receipt of Contractor's final Application for Payment (for Work fully completed and accepted) and recommendation of Engineer, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by Owner for Work not fully completed or corrected is less than the retainage stipulated in the Agreement, and if bonds have been furnished as required in Paragraph 5.01, the written consent of the surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by Contractor to Engineer with the Application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

14.09 *Waiver of Claims*

A. The making and acceptance of final payment will constitute:

1. a waiver of all Claims by Owner against Contractor, except Claims arising from unsettled Liens, from defective Work appearing after final inspection pursuant to Paragraph 14.06, from failure to comply with the Contract Documents or the terms of any special guarantees specified therein, or from Contractor's continuing obligations under the Contract Documents; and

2. a waiver of all Claims by Contractor against Owner other than those previously made in accordance

with the requirements herein and expressly acknowledged by Owner in writing as still unsettled.

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

15.01 *Owner May Suspend Work*

A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by notice in writing to Contractor and Engineer which will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be granted an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension if Contractor makes a Claim therefor as provided in Paragraph 10.05.

15.02 *Owner May Terminate for Cause*

A. The occurrence of any one or more of the following events will justify termination for cause:

1. Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the Progress Schedule established under Paragraph 2.07 as adjusted from time to time pursuant to Paragraph 6.04);

2. Contractor's disregard of Laws or Regulations of any public body having jurisdiction;

3. Contractor's disregard of the authority of Engineer; or

4. Contractor's violation in any substantial way of any provisions of the Contract Documents.

B. If one or more of the events identified in Paragraph 15.02.A occur, Owner may, after giving Contractor (and surety) seven days written notice of its intent to terminate the services of Contractor:

1. exclude Contractor from the Site, and take possession of the Work and of all Contractor's tools, appliances, construction equipment, and machinery at the Site, and use the same to the full extent they could be used by Contractor (without liability to Contractor for trespass or conversion),

2. incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and

3. complete the Work as Owner may deem expedient.

C. If Owner proceeds as provided in Paragraph 15.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Owner arising out of or relating to completing the Work, such excess will be paid to Contractor. If such claims, costs, losses, and damages exceed such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this Paragraph Owner shall not be required to obtain the lowest price for the Work performed.

D. Notwithstanding Paragraphs 15.02.B and 15.02.C, Contractor's services will not be terminated if Contractor begins within seven days of receipt of notice of intent to terminate to correct its failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt of said notice.

E. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue. Any retention or payment of moneys due Contractor by Owner will not release Contractor from liability.

F. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 5.01.A, the termination procedures of that bond shall supersede the provisions of Paragraphs 15.02.B, and 15.02.C.

15.03 *Owner May Terminate For Convenience*

A. Upon seven days written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):

1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;

2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses;

3. all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others; and

4. reasonable expenses directly attributable to termination.

B. Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

15.04 *Contractor May Stop Work or Terminate*

A. If, through no act or fault of Contractor, (i) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (ii) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (iii) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven days written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the Contract and recover from Owner payment on the same terms as provided in Paragraph 15.03.

B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, seven days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this Paragraph 15.04 are not intended to preclude Contractor from making a Claim under Paragraph 10.05 for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this Paragraph.

ARTICLE 16 - DISPUTE RESOLUTION

16.01 *Methods and Procedures*

A. Either Owner or Contractor may request mediation of any Claim submitted to Engineer for a decision under Paragraph 10.05 before such decision becomes final and binding. The mediation will be

governed by the Construction Industry Mediation Rules of the American Arbitration Association in effect as of the Effective Date of the Agreement. The request for mediation shall be submitted in writing to the American Arbitration Association and the other party to the Contract. Timely submission of the request shall stay the effect of Paragraph 10.05.E.

B. Owner and Contractor shall participate in the mediation process in good faith. The process shall be concluded within 60 days of filing of the request. The date of termination of the mediation shall be determined by application of the mediation rules referenced above.

C. If the Claim is not resolved by mediation, Engineer's action under Paragraph 10.05.C or a denial pursuant to Paragraphs 10.05.C.3 or 10.05.D shall become final and binding 30 days after termination of the mediation unless, within that time period, Owner or Contractor:

1. elects in writing to invoke any dispute resolution process provided for in the Supplementary Conditions, or

2. agrees with the other party to submit the Claim to another dispute resolution process, or

3. gives written notice to the other party of their intent to submit the Claim to a court of competent jurisdiction.

ARTICLE 17 - MISCELLANEOUS

17.01 *Giving Notice*

A. Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if:

1. delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or

2. delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

17.02 *Computation of Times*

A. When any period of time is referred to in the Contract Documents by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

17.03 *Cumulative Remedies*

A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract Documents. The provisions of this Paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

17.04 *Survival of Obligations*

A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion, and acceptance of the Work or termination or completion of the Contract or termination of the services of Contractor.

17.05 *Controlling Law*

A. This Contract is to be governed by the law of the state in which the Project is located.

17.06 *Headings*

A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

SUPPLEMENTARY CONDITIONS

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SUPPLEMENTARY CONDITIONS

1. Definitions

- A. The definition of "Technical Specifications" shall be the same as the definition for Specifications stated in Paragraph 1.01 under item number 43 of the General Conditions.
- B. Delete Paragraph 1.01.A.12 of the General Conditions in its' entirety.
- C. In Paragraph 1.01A.52 delete the following words, "or responding to differing or unseen subsurface or physical conditions under which the work is to be performed or to emergencies."

2. Commencement of Contract Time: Notice to Proceed

The commencement of Contract Time, as stated in Item 2.03 of the General Conditions is changed to read The Contract Time will commence to run within the sixtieth day after the Effective Date of the Agreement, or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed; but in no event shall the Contract Time commence to run later than the sixtieth day after the Effective Date of the Agreement.

Notice to Proceed may be given at any time within sixty days after the Effective Date of the Agreement. Refer to Item 21 of the Instructions to Bidders regarding execution of the Contract.

3. Before Starting Construction

In addition to the requirements of Paragraph 2.05 of the General Conditions, "**CONTRACTOR** shall deliver to the **OWNER**, with his signed Contract, all bonds and insurance which he is required to purchase and maintain in accordance with Article 5 of the General Conditions. A copy shall also be submitted to the **ENGINEER**. The **OWNER** shall deliver to the **CONTRACTOR** a copy of all policies of insurance which the **OWNER** is required to purchase and maintain in accordance with Article 5 of the General Conditions."

4. Preconstruction Conference

The time period for holding the preconstruction conference as stated in Paragraph 2.06 of the General Conditions shall be within 30 days after the Effective date of the Agreement, but before the **CONTRACTOR** starts the Work at the site.

5. Subsurface and Physical Conditions

Paragraphs 4.02 and 4.03 shall be deleted in its' entirety and replaced with the following:

DIFFERING SITE CONDITIONS PROVISION:

Execution of this Contract (Agreement) by the Contractor is a representation that the Contractor has visited the site, that general and local conditions are suitable for the work to be performed and that the Contractor accepts all conditions at the Project site. The Contractor assumes all risks with respect to the requirements of the Contract Documents, including without limitation the characteristics (natural and manmade) of the site, site accessibility, labor rates and availability, weather conditions, and any other matter that could affect the performance and cost of the work.

6. Insurance Requirements

- A. Paragraphs 5.05 and 5.06 shall be deleted in their entirety.
- B. Paragraphs 5.07.B, 5.07.B.1 and 5.07.B.2 shall be deleted in their entirety.
- C. In addition to the requirements of Article 5 of the General Conditions, insurance coverage specified herein constitutes the minimum requirements and said requirements shall in no way lessen or limit the liability of the **CONTRACTOR** under the terms of the Contract. The **CONTRACTOR** shall procure and maintain at his own expense any additional kinds and amounts of insurance that, in his own judgment, may be necessary for his proper protection in the prosecution of the Work.
 - 1. The **CONTRACTOR** shall carry insurance as prescribed herein and all policies shall be with companies satisfactory to the **OWNER**. If a part of this Contract is sublet, the **CONTRACTOR** shall require each Subcontractor to carry insurance of the same kinds and in like amounts as carried by the **CONTRACTOR**, including all additional insureds and waivers of subrogation.
 - 2. Certificates of insurance shall state that 30 days written notice will be given to the **OWNER** before the policy is canceled or changed. No **CONTRACTOR** or Subcontractor will be allowed to start any construction work on this Contract until certificates of all insurance required herein and all coverage requirements specified in contract documents are filed with and approved by the **OWNER**. The certificates shall show the type, amount, class of operations covered, effective dates and the dates of expiration of policies.
 - 3. The **CONTRACTOR** shall secure and maintain in effect for the period of the **CONTRACT** and pay all premiums for the following kinds and amounts of insurance:
 - a. Worker's Compensation and Employer's Liability Insurance: This insurance shall protect the **CONTRACTOR** against all claims under applicable State Worker's Compensation Laws. The **CONTRACTOR** shall also be protected and shall cause each Subcontractor to be protected against claims for injury, disease, or death of employees, which for any reason, may not fall within the provisions of a Worker's Compensation Law. The liability limits shall not be less than the required statutory limits for Worker's Compensation and Employer's Liability limits in the amount of ONE MILLION DOLLARS (\$1,000,000.00). **CONTRACTOR** and subcontractors shall supply **OWNER** endorsements from their carriers evidencing waiver of subrogation in favor of the **OWNER**.

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- b. **CONTRACTOR'S** and Subcontractor's Comprehensive General Liability Insurance, including bodily injury, property damage, contractual and other standard coverage contained in Comprehensive General Liability Insurance, in an amount of not less than ONE MILLION DOLLARS (\$1,000,000) per occurrence and aggregate. **OWNER** shall be provided an endorsement naming the **OWNER** as an insured from the insurer for the work contracted. The Comprehensive General Liability policies carried by both the **CONTRACTOR** and the Subcontractors shall contain an endorsement to include the coverage of the following hazards:
- i. Explosion, collapse, and underground property damage to include any damage or destruction of property below the surface of the ground, such as wires, conduits, pipes, mains, sewers, etc., caused by the **CONTRACTOR'S** operations.
 - ii. The collapse of and structural injury to any building, structure or property on or adjacent to the **OWNER'S** premises or right-of-way caused by the **CONTRACTOR'S** operations in the removal of other buildings, structures, or supports, or by excavation below the surface of the ground.
 - iii. Contractual Liability Coverage for the Hold Harmless segments of the Contract Documents.
- c. **CONTRACTOR'S** Contingent or Protective Liability and Property Damage: In case part of this Contract is sublet, the **CONTRACTOR** shall secure contingent or protective liability and property damage insurance to protect the **CONTRACTOR** from any and all claims arising from the operation of Subcontractors in the execution of Work included in the Contract. In no case shall the amount of such protection be less than the limits of \$500,000/\$1,000,000 for Public Liability Insurance and \$500,000/\$1,000,000 for Property Damage Insurance. The coverage in each case shall be acceptable to the **OWNER**.
- d. Auto Liability: The **CONTRACTOR** shall maintain Auto Liability Insurance in the amount of not less than ONE MILLION DOLLARS (\$1,000,000) Combined Single Limit to protect him from any and all claims arising from the use of the following:
- i. **CONTRACTOR'S** own automobiles and trucks.
 - ii. Hired and non-owned automobiles and trucks.
 - iii. Automobiles and trucks owned by Subcontractors.
- The aforementioned is to cover use of automobiles and trucks on and off the site of the Project. The **OWNER** shall be provided an endorsement from the insurer naming the **OWNER** as an insured for the work contracted.
- e. **OWNER'S** Protective Liability Policy: The **CONTRACTOR** shall maintain **OWNER'S** Protective Liability Insurance with the **OWNER** as the named insured, and the **ENGINEER**, and their servants, agents and employees as additional insureds, in an amount not less than ONE MILLION DOLLARS (\$1,000,000).
- f. Umbrella Liability: The **CONTRACTOR** shall provide **OWNER** a certificate of insurance evidencing Umbrella Liability Insurance in the amount of not less than FIVE MILLION DOLLARS (\$5,000,000).

-
- g. Builder's Risk and Boiler and Machinery Insurance: The **CONTRACTOR** shall purchase and maintain Builder's Risk and Boiler and Machinery Insurance in the amount of the total value of the materials necessary for the project. A certificate evidencing such coverage shall be on file with the **OWNER**.
 - h. Property Insurance: No property insurance is required for this project.

7. Contractor's Responsibilities

Delete Paragraph 6.02.B in its entirety.

8. Record Documents

In addition to the requirements of Paragraph 6.12 of the General Conditions, **CONTRACTOR** shall provide accurate 'mark-ups' acceptable to the **ENGINEER** on or before the date of Substantial Completion of the Project for use by the **ENGINEER** in the preparation of 'record' drawings. Final payment will not be made to the **CONTRACTOR** prior to the **ENGINEER** receiving these mark-ups from the **CONTRACTOR**.

9. Limitations on ENGINEER'S Responsibilities

In addition to the requirements of Paragraph 9.09.B, when it comes to his attention, the **ENGINEER** will immediately notify the **OWNER** in the event that the **CONTRACTOR** is not complying with the Contract Documents or is conducting the Work in such a manner that could be considered grounds for termination of the Contract. The **CONTRACTOR** shall retain responsibility for performing all Work in compliance with the Contract Documents.

The following language shall be added to Paragraph 9.09.B:

"Consistent with the express provisions of this Section 00700, Article 6.13, Article 6.17.D.2, Article 9.02.B, Article 9.09, this Article 9.09.B, and Article 14.02.B.4.b, any reference to "safety" elsewhere in this contract, including but not limited to those found in Section 00700, Articles 4.02.B.1, 4.04.A.2.d, 4.04.B.1, 4.06.B.1, 6.02.B, 6.14, 6.15, 6.16, 6.17.C.1.c, and 13.02.A, does not impose upon the Engineer any duty, obligation or other contractual undertaking to administer the "safety" aspects of Contractor's performance, or any other matter relating to the Contractor's means, methods, techniques, sequences or procedures. Contractor's contractual safety obligations and means and methods during construction are the sole responsibility of the Contractor and are not being administered, overseen or reviewed in any way by the Engineer in performing its contractual obligations"

10. Change of the Contract Time

In addition to the requirements of Paragraph 12.03 of the General Conditions, rainstorms which are encountered in the project area on a regular and seasonal basis do not constitute an abnormal weather condition.

11. Payments to **CONTRACTOR**

Paragraph 14.02, Application for Payments, is deleted in its' entirety and the following substituted therefore:

- A. Monthly Estimates and Partial Payments: The **CONTRACTOR'S** partial payment period shall end on the last day of each month. The **CONTRACTOR** shall submit acceptable Application for Payment to the **ENGINEER** by the date indicated on the payment schedule as supplied to **CONTRACTOR** by **ENGINEER** provided that the amount due on completed work is at least \$500.00. The partial payment request shall be filled out and signed by the **CONTRACTOR** covering the work completed as of the date of the request and accompanied by such supporting documentation as is required by the Contract Documents and also as the **ENGINEER** may reasonably require. At the discretion of the **OWNER**, the **ENGINEER** may be authorized to include in any monthly estimate advances covering approximately 95 percent of the value of unused materials delivered and stored on the site of the work. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the site, the Application for Payment shall also be accompanied by such data, satisfactory to **OWNER**, as will establish **OWNER'S** title to the material and equipment and protect **OWNER'S** title to the material and equipment and protect **OWNER'S** interest therein, including applicable insurance. Each subsequent Application for Payment shall include an affidavit of **CONTRACTOR** stating that all previous progress payments received on account of the Work have been applied to discharge in full all of **CONTRACTOR'S** obligations reflected in prior Applications for Payment.
- B. After each monthly estimate has been approved, the **OWNER** shall pay to the **CONTRACTOR** 95 percent of the amount of said estimate. From the total value of each estimate there will be deducted an amount equivalent to 5 percent of the whole as a retainage to be held by the **OWNER**. The monthly estimates will be approximate only and subject to correction in any subsequent estimate rendered following discovery of the error. At the discretion of the **OWNER**, the **ENGINEER** may be authorized to include any monthly advances covering approximately 95 percent of the value of unused materials delivered and stored on the site of the work.
- C. Subsequent to discovery of any defective or questionable work, an amount equal to the estimated value of such work will be deducted from the next current estimate. The sum will not be included in a subsequent estimate until the defects have been remedied to the **ENGINEER'S** satisfaction.
- D. The **OWNER** reserves the right to withhold payment of any monthly estimate that becomes due if, in the opinion of the **OWNER'S** Attorney, such action is warranted because of any breach of the Contract Provisions or malfeasance on the part of the **CONTRACTOR** or because the progress or the quality of the work is unsatisfactory and does not comply with the Plans and Specifications.

Paragraph 14.02.C of the General Conditions is modified to read “60 days after presentation of the Application for Payment to **OWNER** with **ENGINEER’S** recommendation, the amount recommended will (subject to the provisions of Paragraph 14.02.D) become due, and when due will be paid by **OWNER** to **CONTRACTOR**.”

Paragraph 14.07.C of the General Conditions is modified to read, "If the Application and accompanying documentation are appropriate as to form and substance, **OWNER** shall, within 60 days after receipt thereof, pay **CONTRACTOR** the amount recommended by **ENGINEER**."

Delete Paragraph 14.09.A.2 in its entirety.

12. List of Contract Drawings: Not Used.

13. Liquidated and Special Damages

The **CONTRACTOR** will be subject to liquidated damages and actual damages in the amount of the actual costs incurred by the Owner after the time stipulated for Substantial Completion of the work. The **CONTRACTOR** will be subject to liquidated damages in the amount of **\$250** for each consecutive calendar day after the time stipulated for Final Completion of the work. The actual costs include, but are not limited to construction related costs resulting from the Contractor’s failure to complete the work on schedule.

The liquidated damages provided for herein were not calculated in contemplation or anticipation that the **CONTRACTOR** would default or otherwise abandon the project. In the event the **CONTRACTOR** does default or otherwise abandon the project, the **OWNER** reserves the right to collect from the **CONTRACTOR** or its surety, in addition to the liquidated damages, the actual damages including, but not limited to, additional engineering costs, incurred by the **OWNER** as a result of the default or abandonment.

14. Suspension of Work and Termination

In Paragraph 15.04.A delete the following words: “or Engineer fails to act on any Application for Payment within thirty days, after it is submitted” and add the words “if the”. In Paragraph 15.04.B delete the following words: “if Engineer has failed to act on an Application for Payment within thirty days after it is submitted” and add the words “if the”.

16. Methods and Procedures

Delete sentence 16.01.C.2 in its entirety

**** END OF SECTION ****

SECTION 01010
SUMMARY OF WORK

PART 1 GENERAL

1.01 Location of Work

All of the work of this Contract is located in public right-of-way or on easements and property owned or obtained by the Owner.

1.02 Work to be Done

- A. The CONTRACTOR shall furnish all labor, materials, equipment, tools, services and incidentals to complete all work required by these Specifications and as shown on the Drawings.
- B. The CONTRACTOR shall perform the work complete, in place, and ready for continuous service, and shall include repairs, testing, permits, cleanup, replacements and restoration required as a result of damages caused during this construction.
- C. All materials, equipment, skills, tools and labor which are reasonably and properly inferable and necessary for the proper completion of the work in a substantial manner and in compliance with the requirements stated or implied by these Specifications or Drawings shall be furnished and installed by the CONTRACTOR without additional compensation, whether specifically indicated in the Contract Documents or not.
- D. The CONTRACTOR shall comply with all county, state, federal, and other codes which are applicable to the proposed construction work.

1.03 General Description of Work to be Performed

- A. The Work included in the Contract shall be as described in the Contract Documents.
- B. All work shall be done as described in the Specifications and as shown on the Drawings, complete, tested and ready for operation.

1.04 Work Sequence

- A. All work to be done under the Contract shall be done with minimum inconvenience to the OWNER. The CONTRACTOR shall coordinate his work with private property owners such that existing drainage, water service, sewer service and garbage pickup and other public services are maintained at all times.
- B. Construct Work in stages to accommodate the OWNER'S use of the premises during the construction period; coordinate the construction schedule and operations with the ENGINEER.
- C. Construct the Work in stages to provide for public convenience. Do not close off public

access until completion of one stage of construction will provide alternative usage.

1.05 Construction Areas

- A. CONTRACTOR shall limit his use of the construction areas for Work and for storage, to allow for:
 - 1. Work by other contractors.
 - 2. OWNER use.
 - 3. Public use.
- B. Coordinate use of work site under direction of ENGINEER.
- C. Assume full responsibility for the protection, security and safekeeping of products under this Contract stored on the site.
- D. Move any stored products, under CONTRACTOR'S control which interfere with operations of the OWNER or other contractors.
- E. Obtain and pay for the use of additional storage or work areas needed for operations.

1.06 Owner Occupancy

- A. OWNER will have full access to and use of all existing sewer facilities during the entire period of construction for the conduct of his normal operations. Cooperate with ENGINEER in all construction operations to minimize conflict and to facilitate OWNER usage.
- B. CONTRACTOR shall at all times conduct his operations as to insure the least inconvenience to the general public.

1.07 Partial Owner Occupancy

The CONTRACTOR shall schedule his operations for completion of portions of the Work, as designated, for the OWNER'S occupancy prior to Substantial Completion of the entire Work.

1.08 Plans and Specifications

- A. Specifications: The Technical Specifications consist of three parts: General, Products, and Execution. The General section contains general requirements which govern the work. The Products and Execution sections modify and supplement these by detailed requirements of the work and shall always govern whenever there appears to be a conflict.
- B. Intent:
 - 1. All work called for in the Specifications applicable to the Contract but not shown on the Plans in their present form or vice versa shall be of like effect as if shown or mentioned in both. Work not specified in either the Plans or in the Specifications but involved in carrying out their intent or in the complete and proper execution of the work is required and shall be performed by the CONTRACTOR as though it were specifically delineated or described at the CONTRACTOR'S expense.
 - 2. The apparent silence of the Specifications as to any detail, or the apparent omission

from them of a detailed description concerning any work to be done and materials to be furnished, shall be regarded as meaning that only the best general practice is to prevail and that only material and workmanship of the best quality is to be used, and interpretation of these Specifications shall be made upon that basis.

- C. Conflict between Drawings and Specifications. Where an obvious conflict exists between the Plans and Specifications, the ENGINEER shall decide which governs and the CONTRACTOR shall comply with the decision. Such decision shall not be grounds for additional payment to the CONTRACTOR, i.e., the CONTRACTOR shall include the price of the most expensive alternative in his bid.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1.01 Scope of Work

- A. Lump Sum Contract Basis: Payment of the lump sum established in the Bidding and Contract Documents for the Tatum Park – Soccer Fields 15 & 17 Lighting for the City of Hattiesburg, Mississippi, shall be full compensation for furnishing and/or installing all labor, materials, equipment and incidentals required to complete the construction of the facilities and supporting systems, complete as specified and indicated on the drawings.
- B. Alternates: None.
- C. Schedule of Values: The schedule of unit prices submitted in accordance with Section 01026 are subject to approval and acceptance by the OWNER. If acceptable, the unit prices will be used as the basis for adjustment of the Contract price in the event that the Scope of Work is expanded or reduced.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01026
SCHEDULE OF VALUES

PART 1 GENERAL

1.01 Requirements Included

The Schedule of Values is an itemized list that establishes the value or cost of each part of the work as defined in Section 01025, Part 1.04. All other work shall be paid according to the Prices Bid Table. It shall be used as the basis for preparing progress payments and may be used as a basis for negotiations concerning additional work or credits which may arise during the construction. Quantities and unit prices may be included in the schedule when approved by or required by the ENGINEER.

1.02 Preparation

- A. Schedule shall show breakdown of labor, materials equipment and other costs used in preparation of the Bid.
- B. Costs shall be in sufficient detail to indicate separate amounts for each Section of the Specifications.
- C. CONTRACTOR may include items for bond, insurance, temporary facilities and job mobilization within the mobilization bid item.
- D. Schedule of Values shall be prepared on 8-1/2 inch by 11 inch white paper.
- E. Use Table of Contents of the Specifications as basis for Schedule format and identify each item with number and title in the Table of Contents. List sub-items of major products or systems as appropriate or when requested by ENGINEER.
- F. When requested by ENGINEER, support values with data that will substantiate their correctness.
- G. The sum of the individual values shown on the Schedule of Values must equal the total Contract Price.
- H. The manner in which overhead and profit are shown shall be supported by the ENGINEER.
- I. Schedule shall show the purchase and delivery costs for materials and equipment that the CONTRACTOR anticipates he shall request payment for prior to their installation.

1.03 Submittal

Submit two copies of Schedule to ENGINEER for approval at least 20 days prior to submitting first application for a progress payment. After review by ENGINEER, revise and resubmit Schedule as required until it is approved.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01027

APPLICATIONS FOR PAYMENT

PART 1 GENERAL

1.01 Requirements Included

Submit Applications for Payment to the ENGINEER in accordance with the General Conditions and in the form required by the OWNER.

1.02 Format and Data Required

- A. Submit applications typed with itemized Schedule of Values data typed on 8-1/2 inch x 11 inch white continuation sheets.
- B. Provide detailed substantiating data on additional sheets, including paid invoices where applicable.

1.03 Preparation of Application for Progress Payments

- A. Application Form:
 - 1. Fill in required information, including that for Change Orders executed prior to date of submittal of application.
 - 2. Fill in summary of dollar values to agree with respective totals indicated on continuation sheets.
 - 3. Execute certification with signature of a responsible officer of the CONTRACTOR.
- B. Continuation Sheets:
 - 1. Fill in total list of all scheduled component items of work, with item number and scheduled dollar value for each item.
 - 2. Fill in dollar value in each column for each scheduled line item when work has been performed or products stored. Round off values to the nearest dollar or as specified for Schedule of Values.
 - 3. List each Change Order executed prior to date of submission by Change Order Number and description.
 - 4. To receive payment for materials stored on site, submit copies of the original paid invoices with the application for payment.

1.04 Substantiating Data for Progress Payments

- A. Provide substantiating data containing suitable information for review of costs requested with the applications for progress reports identifying:
 - 1. The payment item to which the substantiating data applies.
 - 2. Application number and date.
 - 3. Detailed list of enclosures.
 - 4. For stored materials:
 - a. Item number and identification as shown on application.

-
- b. Description of specific material and invoice of delivered material.
 - c. Consolidated inventory of stored materials showing:
 - (1) Materials received.
 - (2) Materials used.
 - d. Additional stored materials may not be claimed upon reaching 75% completion of the total project.
 - e. Stored Materials shall be inventoried jointly prior to each pay request.
- B. Submit one copy of data for each copy of application for payment.
- C. The CONTRACTOR is to maintain an updated set of record drawings in accordance with Section 01720. As a prerequisite for monthly progress payments, the CONTRACTOR is to exhibit the updated record drawings for review by the OWNER and the ENGINEER.
- D. Construction photographs as required by Section 01380 will be submitted with each progress payment and shall be considered a part of that payment request.
- E. Updated construction schedule showing work completed and work projected by month to the completion of the project.

1.05 Preparation of Application for Final Payment

- A. Fill in application form as specified for progress payments.
- B. Use continuation sheet for presenting the final statement of accounting.

1.06 Submittal Procedure

- A. Submit applications for payment to the ENGINEER at the times stipulated in the General Conditions.
- B. Initially a pencil draft application shall be informally submitted to the ENGINEER who shall review the draft with the CONTRACTOR and make adjustments as appropriate. The CONTRACTOR shall then prepare a formal typed application using the informally approved amounts and submit three (3) complete sets to the ENGINEER.
- C. When the ENGINEER finds the application properly completed and correct, as informally approved, he will transmit it to the OWNER for payment with a copy to the CONTRACTOR.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01030

SPECIAL PROJECT PROCEDURES

PART 1 GENERAL

1.01 WORKMANSHIP, MATERIAL AND EQUIPMENT

- A. When a particular product is specified or called for, it is intended and shall be understood that the Contractor include those products in his bid. Should the Contractor desire to substitute products which he purports to be equal to those specified, the Contractor shall furnish information as described in Section 00700, General Conditions, The alternative products(s) submitted by the Contractor shall meet the requirements of the specifications and shall, in all respects, be equal to the products specified by name herein.
- B. All apparatus, mechanism, equipment, machinery, and manufactured articles for incorporation into the Work shall be new and unused and the standard products of recognized reputable manufacturers.

1.02 PROVISIONS FOR CONTROL OF EROSION AND POLLUTANTS

Sufficient precautions shall be taken during construction to minimize the runoff of polluting substances such as silt, clay, fuels, oils, bitumens, calcium chloride, or other materials harmful to humans, fish, or other life, into the ground and surface waters of the state. Contractor will give all notices and comply with all laws, notices, ordinances, rules and regulations applicable to the work, without exception.

1.03 ON-SITE STORAGE

The Contractor's attention is invited to special storage requirements and possible charges for noncompliance of on-site storage requirements for materials and equipment as specified in Section 01600.

1.04 INCLEMENT WEATHER

- A. In the event of inclement weather, or whenever Engineer shall direct, Contractor and Subcontractors will protect carefully the work and materials against damage or injury from the weathers, including sudden rises in flows due to storms outside the immediate construction zone. Damaged Work and materials shall be removed and replaced. If, in the opinion of Engineer, any portion of Work or materials shall have been damaged or injured by reason of failure on the part of the Contractor or Subcontractors to so protect the Work, no additional time for removal and replacement will be given by the Owner.

1.05 WARRANTIES

- A. All work supplied under the Contract shall be warranted for a period of one (1) year or such longer period of time as may be prescribed by any special guarantee required by Change Orders or issued by Subcontractor, suppliers, or manufacturers, from the date of acceptance for operations (beneficial use) by the Owner as specified in Section 01740, Warranties and Bonds.
- B. The work shall be warranted to be free from defects in workmanship, design and materials. If any part of the work should fail during warranty period, it shall be replaced or restored to service at no expense to the Owner.

1.06 CONSTRUCTION CONDITIONS

The Contractor shall strictly adhere to the specific requirements of the governmental units(s) or agency(ices) having jurisdiction over the work. Wherever there is a difference in the requirements of a jurisdictional body and these Specifications, the more stringent shall apply.

1.07 PUBLIC NUISANCE

The Contractor shall not create a public nuisance, including, but not limited to, encroachment on adjacent lands, flooding of adjacent lands, or excessive noise.

1.08 SUSPENSION OF WORK DUE TO WEATHER

During inclement weather, all work which might be damaged or rendered inferior by such weather conditions shall be suspended. The orders and decisions of the Engineer as to suspensions shall be final and binding. The authority of the Engineer to issue such an order shall not be interpreted as a requirement to do so. During suspension of the work from any cause, the work shall be suitably covered and protected so as to preserve it from injury by the weather. Notwithstanding this provision, it is understood and agreed that the General Conditions shall control.

1.09 RELOCATIONS

The Contractor shall be responsible for the relocation of structures, including, but not limited to, light poles, signs, sign poles, fences, mailboxes, piping, conduits and drains that interfere with the positioning of the work as set out on the Drawings. The cost of all such relocations shall be included in the bid.

1.10 SALVAGE

Any existing equipment or materials, including, but not limited to, valves, pipes, fittings, couplings, etc., which are removed or replaced as a result of construction under this project may be designated as salvage by the Engineer and, if so, shall be removed and delivered to the Owner at a location directed by the Engineer.

1.11 PERMITS

Upon notice of award, the Contractor shall immediately apply for all applicable permits not

previously obtained by the Owner to do the work from the appropriate governmental agency or agencies. No work shall commence until all applicable permits have been obtained and copies delivered to the Engineer. The costs for obtaining all permits shall be borne by the Contractor.

1.12 HAZARDOUS LOCATION

- A. The existing wet wells, manholes, sewers, force mains, pipes, and other related areas are hazardous locations in that explosive concentrations of sewage gas may be present. The Contractor is cautioned that the above areas, especially the wet well, may be deficient in oxygen. Checks shall be made by the Contractor whenever personnel are working in these areas to insure that adequate ventilation has been provided.
- B. In his operations in hazardous locations, the Contractor shall use spark-proof tools and explosion-proof temporary lighting and shall not use electric power tools, open flame devices, electric welding or any device or methods which might conceivably cause ignition or explosion.
- C. If a working is atmosphere is unsafe, the Contractor shall furnish, install, operate, and later remove such temporary auxiliary ventilating facilities as are necessary to provide a safe atmosphere.
- D. The Contractor shall also instruct and caution his employees and the employees of his subcontractors to avoid smoking while in the hazardous areas. Suitable prominent "No Smoking" signs shall be placed at locations where sewage gas could be present.

1.13 NOTIFICATION OF WORK ON EXISTING FACILITIES

Before commencing work on any of the existing structures or equipment, the Contractor shall notify the Engineer, in writing, at least ten (10) calendar days in advance of the date he proposes to commence such work.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01041

PROJECT COORDINATION

PART 1 GENERAL

1.01 Work Progress

The CONTRACTOR shall furnish personnel and equipment which will be efficient, appropriate, and large enough to secure a satisfactory quality of work and a rate of progress which will insure the completion of the work within the time stipulated in the contract. If at any time such personnel appear to the ENGINEER to be inefficient, inappropriate, or insufficient for performing the quality of work required or for producing the rate of progress aforesaid, he may order the CONTRACTOR to increase the efficiency, change the character or increase the personnel and equipment, and the CONTRACTOR shall conform to such order at his own expense. Failure of the ENGINEER to give such order shall in no way relieve the CONTRACTOR of his obligations to perform the work at the specified quality and rate of progress.

1.02 Private Land

The CONTRACTOR shall not enter or occupy private land outside of the OWNER'S land, right-of-ways, or servitudes except by written permission of both the OWNER and the Owner of the private land. Such permission shall be obtained by and at the expense of the CONTRACTOR and at no additional cost to the OWNER.

1.03 Work Locations

Work shall be located substantially as indicated on the Drawings, but the Engineer reserves the right to make such modifications in locations as may be found desirable to avoid interference with existing structures or for other reasons.

1.04 Open Excavations

All open excavations shall be adequately safeguarded by providing temporary barricades, caution signs, lights and other means to prevent accidents to persons and damage to property. The CONTRACTOR shall, at his own expense, provide suitable and safe bridges and other crossings for accommodating travel by the public, OWNER'S and ENGINEER'S personnel, and workmen.

1.05 Test Pits

Test pits for the purpose of locating underground utilities or structures which may interfere with installation of the Work shall be excavated in advance of the Work and backfilled by the CONTRACTOR. Test pits shall be backfilled immediately after their purpose has been satisfied and maintained in a manner satisfactory to the ENGINEER. The costs for such test pits shall be included in the cost of the work for which the test pits benefit.

1.06 Water for Construction Purposes

- A. In locations where public water supply is available, the CONTRACTOR shall purchase water for all construction purposes.
- B. The CONTRACTOR shall make his own arrangements and pay all costs for connections to public water systems and for water used. Existing OWNER supplies or connections shall not be used without prior approval by OWNER.

1.07 Maintenance of Flow

The CONTRACTOR shall maintain the flow of sewers, drains, and water courses interrupted during the progress of the Work, including complete pumped bypass systems where necessary. The CONTRACTOR shall immediately remove all offensive matter. The entire procedure of maintaining existing flow shall be fully discussed with the ENGINEER well in advance of the interruption of any flow. All temporary works installed for flow maintenance shall be removed when the permanent work is finished and the areas cleaned and restored to good condition.

1.08 Protection of Construction and Equipment

- A. All newly constructed work shall be carefully protected from injury in any way. No wheeling or walking or placing of heavy loads on it shall be allowed. All portions of the work injured shall be reconstructed by the CONTRACTOR at his own expense.
- B. All structures shall be protected in a suitable manner. Should any parts of the structures become heaved, cracked or otherwise damaged, all such damaged portions of the work shall be completely repaired and made good by the CONTRACTOR at his own expense and to the satisfaction of the ENGINEER. If, in the final inspection of the work, any defects, faults or omissions are found, the CONTRACTOR shall cause the same to be repaired or removed and replaced by proper materials and workmanship without extra compensation for the materials and labor required. Further, the CONTRACTOR shall be fully responsible for the satisfactory maintenance and repair of the construction and other work undertaken herein for at least the guarantee period described in the contract.
- C. The CONTRACTOR shall take all necessary precautions to prevent damage to any structure due to water pressure (groundwater or surface water) during and after construction and until such structure is accepted and taken over by the OWNER.
- D. The CONTRACTOR is responsible for security of the site. Security of all equipment, material, tools, machinery, supplies, structures, buildings, vehicles and offices is the responsibility of the CONTRACTOR. Measures to affect job site security and limit unauthorized access, including temporary fencing, security guards, and other measures are the responsibility of the CONTRACTOR at his expense.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01041.1

UTILITIES COORDINATION

PART 1 GENERAL

1.01 UTILITIES

Utilities for the purpose of these specifications shall be considered as including, but not limited to: pipelines, conduits, cables, transmission lines and appurtenances of Public Utilities and those of Special Utility Districts, Cities or Towns, businesses or individuals solely for their own use or for use of their tenants; and storm drains, sanitary sewers, street lighting, traffic signal and fire alarm systems.

1.02 UNDERGROUND INSTALLATIONS

Existing underground pipelines and utilities are indicated on the Drawings only to the extent such information was made available to or discovered by Engineer in preparing drawings. There is no guarantee as to the accuracy or completeness of such information, and all responsibility for the accuracy and completeness thereof is expressly disclaimed by the Owner and the Engineer.

1.03 UTILITIES LOCATED IN CITY RIGHT-OF-WAY

Unless otherwise provided or excepted herein, the removal, adjusting, relocation, or replacement of utility structures or facilities within City right-of-way which may be necessary for construction of the work in accordance with these Contract Documents, shall be at the expense of the Contractor.

It shall be the Contractor's responsibility to protect and maintain those utilities which, in the opinion of the Engineer, do not need to be disturbed in order to accomplish the work required by the contract.

1.04 RELOCATIONS OF EXISTING GAS LINES, TELEPHONE LINES, ELECTRIC LINES, CABLE TV LINES AND WATER LINES

The Contractor shall notify the proper authority of the utility involved when relocation of these lines is required. The Contractor shall coordinate all work by the utility so that the progress of construction will not be hampered.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 GENERAL

The Contractor, when the Notice to Proceed is received, shall notify the owners of utilities affected by the work, the approximate date upon which he will begin work, and shall submit a progress schedule of the proposed work. This shall be deemed sufficient notice if the project progresses

according to the progress schedule submitted with the notification. If changes in the schedule of the work occur, the Contractor shall appraise both the owner of the utility affected and the Engineer so that adjustments in the work schedule of utility can be made. The Contractor shall be responsible for damages to the utility facility and construction delays resulting from failure to notify the utility and the Engineer of changes in procedure or location.

3.02 PROTECTION OF EXISTING UTILITIES

- A. The attention of the Contractor is drawn to the fact that during excavation, the possibility exists of the Contractor encountering various water, gas, telephone, electrical, or other utility lines not shown on the Drawings. The Contractor shall exercise extreme care before and during excavation to locate and flag these lines so as to avoid damage to the existing lines. Should damage occur to an existing line, the Contractor shall repair the line at no cost to the Owner.
- B. The Contractor shall assume full responsibility for the protection of all utilities, public and private, including poles, services to buildings, gas pipes, water pipes, hydrants, sewers, drains, and electric and telephone cables, whether or not they are shown on the Drawings. The Contractor shall carefully support and protect all such utilities from injury of any kind. Any damage resulting from the Contractor's operation shall be repaired by him at his expense.

The protection and preservation of utility facilities which are located within the right-of-way, but outside the normal limits of construction, as determined by the Engineer, shall be the responsibility of the Contractor. The Contractor shall be responsible for all damage to utilities which are due to his negligence.

- C. The Contractor shall bear full responsibility for obtaining locations of all underground structures and utilities (including existing water services, drain lines, and sewer). Services to buildings shall be maintained, and all costs or charges resulting from damage thereto shall be paid by the Contractor.
- D. If, in the opinion of the Engineer, permanent relocation of a utility owned by the City is required, he may direct the Contractor, in writing, to perform the work. Work so ordered will be paid for at the Contract unit prices, if applicable, or as extra work under Article 10 of the General Conditions. If relocation of a privately owned utility is required, the Contractor will notify the Utility to perform the work as expeditiously as possible. The Contractor shall fully cooperate with the County and Utility and shall have no claim for delay due to such relocation.
- E. The Contractor shall notify public and private utility companies in writing at least two, but not more than five full days (excluding Saturdays, Sundays, and legal holidays) before excavating near their utilities.

3.03 UTILITIES TO BE ADJUSTED

The owners of utility facilities which require relocation, removal, adjustment or replacement shall, if possible and feasible, perform this work prior to the commencement of the Contractor's work. Where utility work must be done in conjunction with the Contractor's work on the project or in conjunction

with the work of other utilities, arrangements for when, how and where the operation is to proceed shall be worked out among the parties concerned. If disputes arise, the Engineer shall decide the course of action to be taken.

3.04 UTILITIES CONFLICTING WITH OPERATIONS

Those utility facilities which do not conflict with the improvement, but which are obstructions to the operations required for installation or which are obstructions to the operations required for installation of which present unusual difficulty due to their close proximity to the area of the operations, shall be located with certainty by the owners of the utility prior to the arrival of the Contractor's operation which would be hindered by the utility facility. The Contractor is required to preserve the utility facility in place without damage and shall be responsible for damages sustained, if the utility owner has located the facility by exposing it to the view of the Contractor or has otherwise made the Contractor aware, with certainty, of the location of the facility. Any other arrangements that the Contractor may make with a utility owner as a substitute for the requirements of this Section shall require the approval of the Engineer, in writing.

3.05 MISLOCATED UTILITIES

The owner of a utility shall be wholly responsible for the proper location of his facilities which are affected by construction work performed according to these specifications. Improperly located or mislocated facilities which are damaged during construction shall be the responsibility of the utility, providing proper notification has been given.

*** * END OF SECTION * ***

SECTION 01045
CUTTING AND PATCHING

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Contractor shall be responsible for all cutting, fitting and patching, including attendant excavation and backfill, required to complete the Work to include:

- A. Make its several parts fit together properly.
- B. Uncover portions of the Work to provide for installation of ill-timed work.
- C. Remove and replace defective work.
- D. Remove and replace work not conforming to requirements of the Contract Documents
- E. Remove samples of installed work as specified for testing.

1.02 SUBMITTALS

- A. Submit a written request to the Engineer well in advance of executing any cutting or alteration which affects:
 - 1. Work of the Owner or any separate contractor.
 - 2. Structural value or integrity of any element of the Project or work.
 - 3. Integrity or effectiveness of weather-exposed or moisture-resistant elements or systems.
 - 4. Efficiency, operational life, maintenance or safety of operational elements.
 - 5. Visual qualities of sight-exposed elements.
- B. Request shall include:
 - 1. Identification of the work.
 - 2. Description of affected work.
 - 3. The necessity for cutting, alteration or excavation.
 - 4. Effect on work of Owner or any separate Contractor, or on structural or weatherproof integrity of work.

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5. Description of proposed work:
 - a. Scope of cutting, patching, alteration, or excavation.
 - b. Trades who will execute the work.
 - c. Products proposed to be used.
 - d. Extent of refinishing to be done.
 6. Alternatives to cutting and patching.
 7. Cost proposal, when applicable.
- C. Submit written notice to the Engineer designating the date and the time the work will be uncovered.

PART 2 PRODUCTS

2.01 MATERIALS

Comply with specifications and standards for each specific product involved.

PART 3 EXECUTION

3.01 INSPECTION

- A. Inspect existing conditions of Project, including elements subject to damage or to movement during cutting and patching.
- B. After uncovering work, inspect conditions affecting installation of products or performance or work.
- C. Report unsatisfactory or questionable conditions to the Engineer in writing; do not proceed with work until the Engineer has provided further instructions.

3.02 PREPARATION

- A. Provide adequate temporary support as necessary to assure structural value or integrity of affected portion of Work.
- B. Provide devices and methods to protect other portions of Project from damage.
- C. Provide protection from elements for the portion of the Project which may be exposed by cutting and patching work, and maintain excavations free from water.

3.03 PERFORMANCE

- A. Execute cutting and demolition by methods which will prevent damage to other work and will provide proper surfaces to receive installation of repairs.
- B. Execute excavating and backfilling by methods which will prevent settlement or damage to other work.
- C. Employ original installer or fabricator to perform cutting and patching for:
 - 1. Weather-exposed or moisture-resistant elements.
 - 2. Sight-exposed finished surfaces.
- D. Execute fitting and adjustment of products to provide a finished installation to comply with specified products, functions, tolerances and finishes.
- E. Restore work which has been cut or removed; install new products to provide completed work in accord with requirements of Contract Documents.
- F. Refinish entire surfaces as necessary to provide an even finish to match adjacent finishes:
 - 1. For continuous surfaces, refinish to nearest intersection.
 - 2. For an assembly, refinish entire unit.

*** * END OF SECTION * ***

SECTION 01050

FIELD ENGINEERING

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. The Contractor shall provide and pay for field engineering services for:
 - 1. Survey work required in execution of work.
 - 2. Civil, structural, or other professional engineering services specified or required to execute the Contractor's construction method.
- B. The method of field staking for the construction of the work shall be at the option of the Contractor. The Owner shall provide the engineering surveys to establish reference points which in his judgment are necessary to enable the Contractor to proceed with his work.
- C. The accuracy of any method of staking shall be responsibility of the Contractor. All engineering for vertical and horizontal control shall be the responsibility of the Contractor.
- D. The Contractor shall be held responsible for the preservation of all stakes and marks. If any stakes or marks are carelessly or willfully disturbed by the Contractor, the Contractor shall not proceed with any work until he has reestablished such points, marks, lines and elevations as may be necessary for the prosecution of the work.
- E. The Contractor shall retain the services of a competent surveyor, registered in the State of Mississippi, to layout the work and maintain a survey during construction. The Contractor shall be solely responsible for proper location of the work.

1.02 SURVEY REFERENCE POINTS

Locate and protect control points prior to starting site work, and preserve all permanent reference points during construction.

- 1. Make no changes or relocations without prior written notice to the Engineer.
- 2. Report to the Engineer when any reference point is lost or destroyed or requires relocation because of necessary changes in grades or locations.

1.03 PROJECT SURVEY REQUIREMENTS

- A. Establish temporary bench marks as needed, referenced to data established by survey control points. Record locations, with horizontal and vertical data, on Record Drawings.
- B. Establish lines and levels, and locate and lay out, by instrumentation and similar appropriate means:

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1. Site improvements, including utility slopes and invert elevations.
 2. Batter boards for structures.
- C. From time to time, verify layouts by same methods.
- D. Establish all lines and grades prior to construction of site improvements.

1.04 RECORDS

- A. Maintain a complete, accurate log of all control and survey work as it progresses.
- B. At Contract closeout, submit a survey of installation of water mains, fire hydrants, and valves at the same scale as the Engineer's drawings indicating elevations and channel stationing at 100 foot increments.

1.05 SUBMITTALS

- A. On request of the Engineer, submit documentation to verify accuracy of field engineering work.
- B. Submit Drawings showing locations of all pipes and structures constructed. This Drawing shall be included with the Record Drawings.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01060

REGULATORY REQUIREMENTS

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Abbreviations and acronyms used in Contract Documents to identify reference standards are as indicated herein.

1.02 QUALITY ASSURANCE

- A. Applications: When a standard is specified by references, comply with requirements and recommendations stated in the standard, except when requirements are modified by the Contract Documents, or applicable codes establish stricter standards.
- B. Publications Date: The publication in effect on the date of issue of Contract Documents, except when a specific publication date is specified.

1.03 ABBREVIATIONS, NAMES, AND ADDRESSES OF ORGANIZATIONS

The following standards may be referenced in the Contract Documents. The contractor shall obtain copies of reference standards directly from the publication source when needed for proper performance of Work or when required for submittal by Contract Documents.

AAN	American Association for Nurserymen 1250 I Street N.W., Suite 500 Washington, DC 20005 (202) 789-2900
AASHTO	American Association of State Highway and Transportation Officials 444 North Capitol Street, N.W., Suite 225 Washington, DC 20001 (202) 624-5800
ACI	American Concrete Institute Post Office Box 19150 22400 W. Steven Mile Road Detroit, MI 48219 (313) 532-2600
ACPA	American Concrete Pipe Association 8320 Old Courthouse Road, Suite 201 Vienna, VA 22180 (703) 821-1990
AI	Asphalt Institute

	Asphalt Institute Building College Park, MD 20740-1802
AISC	American Institute of Steel Construction 400 North Michigan Avenue Chicago, IL 60611 (312) 670-2400
AISI	American Iron and Steel Institute 1133 15th Street N.W., Suite 300 Washington, DC 20005 (202) 452-7100
ANSI	American National Standard Institute 1430 Broadway New York, NY 10018 (212) 354-3300
ASCE	American Society of Civil Engineers 345 East 47th Street New York, NY 10017 1-800-548-ASCE 345 East 47th Street New York, NY 10017 (212) 705-7722
ASTM	American Society for Testing and Materials 1916 Race Street Philadelphia, PA 19103 (215) 299-5400
AWPA	American Wood Preserver's Association Post Office Box 849 Stevensville, MD 21666 (301) 643-4163
AWS	American Welding Society Post Office Box 351040 550 LeJeune Road, N.W. Miami, FL 33126 1-800-443-9353
AWWA	American Water Works Association 6666 W. Quincy Avenue Denver, CO 80235 (303) 794-7711
CLFMI	Chain Link Fence Manufacturers Institute

	1776 Mass Avenue N.W., Suite 500 Washington, DC 20036 (202) 659-3537
CRSI	Concrete Reinforcing Steel Institute 933 N. Plum Grove Road Schaumburg, IL 60173 (312) 517-1200
DIPRA	Ductile Iron Pipe Research Association 245 Rivercase Parkway E., Suite 100 Birmingham, AL 35244 (205) 988-9870
FS	Federal Specification General Services Administration Specifications and Consumer Information & Distribution Section (WFSIS) 7 and D Street S.W., Room 654 Washington, DC 20407 (202) 472-2140
IEEE	Institute of Electrical and Electronic Engineers Service Center 345 E. 47th Street New York, NY 10017 (212) 705-7900
MDOT	Mississippi Department of Transportation P. O. Box 1850 Jackson, Ms 39215-1850 (601) 359-1213
MIL	Department of the Navy Navel Publications and Forms Center 5801 Torbor Avenue Philadelphia, PA 19120-5099 (215) 697-2667
NEC	National Electric Code National Fire Protection Association Batterymarch Park Quincy, MA 02269 (617) 770-3000
NEMA	National Electrical Manufacturer's Association 2101 L Street, NW, Suite 300 Washington, DC 20037 (202) 457-8400
NSPE	National Society of Professional Engineers

	1420 King Street Alexandria, VA 22314 (703) 684-2835
OSCI	Office of Standards Code and Information National Bureau of Standards Gaithersburg, MD 20899 (301) 975-4029
PCA	Portland Cement Association 5420 Old Orchard Road Skokie, IL 60077 (312) 966-6200
PCI	Prestressed Concrete Institute 175 W. Jackson Blvd., Suite 1859 Chicago, IL 60604 (312) 786-0300
SMACNA	Sheet Metal and Air Conditioning Contractors' National Association Post Office Box 70 Merrifield, VA 22116 (703) 790-9890
SSPC	Steel Structures Painting Council 4400 5th Avenue Pittsburgh, PA 15213 (412) 268-3327
UL	Underwriter's Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062 (312) 272-8800

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01200
PROJECT MEETINGS

PART 1 GENERAL

1.01 Requirements Included

- A. The ENGINEER shall schedule and administer a preconstruction meeting, construction progress meetings, and specially called meetings throughout the progress of the work. The ENGINEER will:
 - 1. Prepare agenda for meetings.
 - 2. Make physical arrangements for meetings.
 - 3. Preside at meetings.
 - 4. Record the minutes; include significant proceedings and decisions.
 - 5. Reproduce and distribute copies of minutes.
- B. The CONTRACTOR and representatives of, where appropriate, subcontractors and suppliers shall attend meetings. The representative shall be qualified and authorized to act on behalf of the entity each represents.
- C. The CONTRACTOR shall attend and identify at the meetings the actual status of the Contract Work and, when the Work is not being performed consistently with the Contract Documents and construction schedules, shall identify at the meetings the steps he is taking to resolve the inconsistency.

1.02 Pre-construction Meeting

- A. The CONTRACTOR shall participate in a preconstruction meeting to be held after the effective date of the Agreement and prior to the date of Notice to Proceed.
- B. The following are expected to be in attendance:
 - 1. OWNER'S Representative and other staff as appropriate.
 - 2. ENGINEER and his professional consultants as appropriate.
 - 3. ENGINEER's Resident Project Representative.
 - 4. CONTRACTOR's Representative and Construction Superintendent.
 - 5. Subcontractors as appropriate.
 - 6. Utility representatives as appropriate.
 - 7. Others as appropriate.
- C. The following matters are expected to be addressed:
 - 1. Distribution and discussion of:
 - a. List of major subcontractors.
 - b. Project construction schedules.
 - 2. Critical work sequencing.
 - 3. Project Coordination.
 - 4. Designation of responsible personnel.

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5. Procedures and processing of:
 - a. Field decisions.
 - b. Proposal requests.
 - c. Submittals.
 - d. Change Orders.
 - e. Applications for Payment.
 6. Distribution of Contract Documents.
 7. Procedures for maintaining Record Documents.
 8. Use of premises:
 - a. Office, work and storage areas.
 - b. OWNER'S requirements.
 9. Construction facilities, controls and construction aids.
 10. Temporary utilities.
 11. Housekeeping procedures.
 12. Insurance certifications.
 13. Liquidated damages for delay.
 14. Weekly job meetings.
 15. Laboratory testing of material requirements.

1.03 Construction Progress Meetings

- A. Construction progress meetings will be held monthly with the first meeting 30 days or less after the date of Notice to Proceed.
- B. Special construction progress meetings will be held as required by progress of the Work.
- C. The following are expected to be in attendance:
 1. OWNER Representative and other staff as appropriate.
 2. The ENGINEER and his professional consultants as appropriate.
 3. CONTRACTOR's Representative and/or construction Superintendent.
 4. Subcontractors as appropriate.
 5. Suppliers as appropriate.
 6. Others as appropriate.
- D. The following matters are expected to be addressed:
 1. Review and approve minutes of previous meeting.
 2. Review of work progress.
 3. Field observations, problems, conflicts.
 4. Problems which impede Construction Schedule.
 5. Review of off-site fabrication, delivery schedules.
 6. Corrective measures and procedures to regain Construction Schedule.
 7. Revisions to Construction Schedule.
 8. Progress and schedule during succeeding work period.
 9. Payment applications and processing.
 10. Submittals.
 11. Maintenance of quality standards.
 12. Changes, substitutions, and Change Orders.

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- 13. Review proposed changes for:
 - a. Effect on Construction Schedule and completion date.
 - b. Effect on other contracts of the Project.
 - 14. Other matters as appropriate.
 - 15. Record drawings.
- E. The CONTRACTOR shall be prepared to discuss the above topics and to make commitments for resolving deficiencies.
- F. The CONTRACTOR shall provide a current submittal log at each progress meeting in accordance with Section 01340.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01310
CONSTRUCTION SCHEDULES

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Contractor shall comply with the General Conditions.
- B. Submit revised progress schedules periodically.

1.02 FORM OF SCHEDULES

- A. Prepare schedules in the form of a horizontal bar chart.
 - 1. Provide separate horizontal bar for each trade or operation.
 - 2. Horizontal time scale; identify the first work day of each week.
 - 3. Scale and spacing: To allow for notations and future revisions.
 - 4. Minimum sheet size: 8-1/2 inches by 11 inches.
- B. Format of listings: The table of contents of the Contract Documents.
- C. Identification of listings: Items of work.

1.03 CONTENT OF SCHEDULE:

- A. Construction Progress Schedule:
 - 1. Show the complete sequence of construction by activity.
 - 2. Show the dates for the beginning, and completion of each major element of construction.
 - 3. Show projected percentage of completion for each item, as of the first day of each month.
 - 4. Show an anticipated monthly payment schedule.
- B. Submittal Schedule for Shop Drawings, Product Data and Samples. Show:
 - 1. The dates for Contractor's submittal.
 - 2. The dates approved submittal will be required from the Engineer.

1.04 PROGRESS REVISIONS

- A. Indicate progress of each activity to date of submission.
- B. Show changes occurring since previous submission of schedule:
 - 1. Major changes in scope.
 - 2. Activities modified since previous submission.
 - 3. Revised projections of progress and completion.
 - 4. Other identifiable changes.
- C. Provide a narrative report as needed to define:
 - 1. Problem areas, anticipated delays, and the impact on the schedule.
 - 2. Corrective action recommended, and its effect.

1.05 SUBMISSIONS

- A. Submit initial schedules in accordance with the General Conditions.
 - 1. Engineer will review schedules and return review copy within ten (10) days after receipt.
 - 2. If required, Contractor shall resubmit within seven (7) days after return of review copy.
- B. Submit revised progress schedules with each Application for Payment.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01340

SHOP DRAWINGS, PROJECT DATA, AND SAMPLES

PART 1 GENERAL

1.01 Requirements Included:

- A. The Contractor shall submit to the Engineer for review and exception, if any, such working drawings, shop drawings, test reports and data on materials and equipment (hereinafter in this article called data), and material samples (hereinafter in this article called samples) as are required for the proper control of work, including but not limited to those working drawings, shop drawings, data and samples for materials and equipment specified elsewhere in the Specifications and in the Contract Drawings.
- B. Within fifteen (15) calendar days after the Effective Date of the Agreement, the Contractor shall submit to the Engineer a complete list of preliminary data on items for which Shop Drawings are to be submitted. Included in this list shall be the names of all proposed manufacturers furnishing specified items. Review of this list by the Engineer shall in no way relieve the Contractor from submitting complete shop drawings, data, and samples in accordance with the Specifications. This procedure is required in order to expedite final review of Shop Drawings.
- C. The Contractor is to maintain an accurate updated submittal log and will bring this log to each scheduled progress meeting. This log should include the following items:
 - 1. Submittal Description and Number assigned.
 - 2. Date to Engineer.
 - 3. Date returned to Contractor (from Engineer).
 - 4. Status of Submittal (No exceptions taken, returned for confirmation or resubmittal, rejected).
 - 5. Date of Resubmittal and Return (as applicable).
 - 6. Date material released (for fabrication).
 - 7. Projected date of fabrication.
 - 8. Projected date of delivery to site.
 - 9. Status of O&M manuals submittal.

1.02 Contractor's Responsibility

-
- A. It is the duty of the Contractor to check all drawings, data and samples prepared by or for him before submitting them to the Engineer for review. Each and every copy of the Drawings and data shall bear Contractor's stamp showing that they have been so checked. Shop drawings submitted to the Engineer without the Contractor's stamp or evidence that the Contractor has not performed the required review will be returned to the Contractor for conformance with this requirement. Shop drawings shall indicate any deviations in the submittal from requirements of the Contract Documents.
- B. Determine and verify:
1. Field measurements.
 2. Field construction criteria.
 3. Catalog numbers and similar data.
 4. Conformance with Specifications and indicate all variances from the Specifications.
- C. The Contractor shall furnish the Engineer a schedule of Shop Drawing submittals fixing the respective dates for the submission of shop and working drawings, the beginning of manufacture, testing and installation of materials, supplies and equipment. This schedule shall indicate those that are critical to the progress schedule.
- D. The Contractor shall not begin any of the work covered by a drawing, data, or a sample returned for correction until a revision or correction thereof has been reviewed and returned to him by the Engineer with no exceptions taken.
- E. The Contractor shall submit to the Engineer all drawings and schedules sufficiently in advance of construction requirements to provide no less than twenty-one (21) calendar days for checking and appropriate action from the time the Engineer receives them.
- F. The Contractor shall submit five (5) copies of shop drawings and descriptive or product data submittal to complement shop drawings to the Engineer which will be retained for his use.
- G. The Contractor shall be responsible for and bear all cost of damages which may result from the ordering of any material or from proceeding with any part of work prior to the completion of the review by Engineer of the necessary shop drawings.
- H. The Contractor shall utilize a Sequential Numbering System for submittals (1-999). Resubmittals or confirming material shall be assigned a letter next to the submittal number, i.e. A= second submittal, B= third submittal, etc.
- I. Submittals shall include a certified statement of compliance to the requirements detailed in the specifications in addition to other submittal requirements. This certification shall be prepared by the manufacturer and not the local supplier. Validity of the authority and position of the person signing the certification shall be verified by a Notary Public. The statement of compliance shall address each point of conformance contained in the governing specifications with definite comments of either compliance or non-compliance. Statements of non-compliance with points of conformance shall be accompanied by a statement of

justification as to the reason for non-conformance and why the non-complying feature is considered to be either equal to or better than the specified feature. The Engineer will use the certified statement of compliance in his evaluation of the submittal rendering a judgment as to equality to the specified product and issuing a statement as to whether the product is acceptable for or rejected from incorporation into the work.

- J. When a manufacturer named in the controlling specification is chosen to supply a product and the details of manufacture, size, and installation are shown on this standard catalog cut sheets, the manufacturer may submit the certified statement of compliance as detailed above along with installation details specific to the work such as laying schedules, etc. as required, deleting the standardized catalog data.

1.03 Engineer's Review of Shop Drawings

- A. The Engineer's review of drawings, data and samples submitted by the Contractor will cover only general conformity to the Specifications, external connections, and dimensions which affect the installation.
- B. The review of drawings and schedules will be general, and shall not be construed:
1. as permitting any departure from the Contract requirements;
 2. as relieving the Contractor of responsibility for any errors, including details, dimensions, omissions and materials;
- C. If the drawings or schedules as submitted describe variations per subparagraph (1.04.D), and show a departure from the Contract requirements which Engineer finds to be in the best interest of the Owner and to be so minor as not to involve a change in Contract Price or Time, The Engineer may return the reviewed Drawings without noting any exception.
- D. After the ENGINEER completes his review, the Shop Drawings will be marked with one of the following notations:
1. No Exceptions Taken.
 2. Make Corrections Noted.
 3. Revise and Resubmit.
 4. Rejected.
 5. Submit Specified Item.
- E. If a submittal is acceptable, it will be marked "No Exception Taken" or "Make Corrections Noted". Three copies of the submittal will be returned to the CONTRACTOR.
- F. Upon return of a submittal marked "No Exception Taken" or "Make Corrections Noted", the CONTRACTOR may order, ship or fabricate the materials included on the submittal, provided it is in accordance with the corrections indicated.
- G. If a Shop Drawing action is "Make Corrections Noted" but has extensive corrections or corrections affecting other drawings or Work, the ENGINEER may require that the CONTRACTOR make the corrections indicated thereon and resubmit the Shop Drawings for

record purposes. In this case, the submittal will be marked "Make Corrections Noted-Resubmit".

- H. If a submittal is unacceptable, two copies will be returned to the CONTRACTOR with one of the following notations:
 - 1. "Revise and Resubmit"
 - 2. "Rejected"
- I. Upon return of a submittal marked "Revise and Resubmit", the CONTRACTOR shall make the corrections indicated and repeat the initial approval procedure. The "Rejected" notation is used to indicate material or equipment that is not acceptable. Upon return of a submittal so marked, the CONTRACTOR shall repeat the initial approval procedure utilizing acceptable material or equipment.
- J. Submittals lacking adequate details or information to allow the ENGINEER to determine whether or not the submittal meets the intent of the Contract specifications shall be marked "Submit Specified Item" and returned without further comment.
- K. Shop Drawings or other submittals not bearing the ENGINEER'S "No Exception Taken" or "Make Corrections Noted" notations shall not be issued to Subcontractors nor utilized for construction purposes. No Work shall be performed or equipment installed without a drawing or submittal bearing one of these notations.
- L. In the event the CONTRACTOR obtains the ENGINEER'S approval for the use of equipment other than that which is shown or specified, the CONTRACTOR shall, at his own expense and using methods approved by the ENGINEER, make all changes to the Work, including structures, piping, electrical, equipment and controls, that may be necessary to accommodate this equipment.
- M. Resubmittals will be handled in the same manner as first submittals. The Contractor shall direct specific attention to revisions other than the corrections requested by the Engineer on previous submissions by written details or markings on the resubmitted Shop Drawings. The Contractor shall make any corrections required by the Engineer.
- N. If the Contractor considers any correction indicated on the Drawings to constitute a change to the Contract Drawings or Specifications, the Contractor shall give written notice thereof to the Engineer.
- O. The Engineer will review a submittal/resubmittal a maximum of three times after which cost of review will be borne by the Contractor. The cost of engineering shall be equal to the Engineer's charges to the Owner under the terms of the Engineer's agreement with the Owner.
- P. When the Shop Drawings have been completed to the satisfaction of the Engineer, the Contractor shall carry out the construction in accordance therewith and shall make no further changes therein except upon written instructions or approval from the Engineer.

Q. No partial submittals will be reviewed. Submittals not complete will be returned to the Contractor, and will be considered "NOT APPROVED" until resubmitted.

1.13 SHOP DRAWINGS

- A. Shop drawings shall be complete and detailed.
- B. Drawings and schedules shall be checked and coordinated with the work of all trades involved, before they are submitted for review by the Engineer and shall bear the Contractor's stamp of approval as evidence of such checking and coordination. Drawings or schedules submitted without this stamp of approval shall be returned to the Contractor for resubmission.
- C. Each shop drawing shall have a blank area 3-1/2 inches by 3-1/2 inches, located adjacent to the title block. The title block shall display the following:
 - 1. Number and title of the drawing.
 - 2. Date of drawing or revision.
 - 3. Name of project building or facility.
 - 4. Name of contractor and subcontractor submitting drawing.
 - 5. Clear identification of contents and location of the work.
 - 6. Specification number and title.
- D. If Drawings show variations from Contract requirements because of standard Shop practice or other reasons, the Contractor shall describe such variations in his letter of transmittal. If acceptable, proper adjustment in the Contract shall be implemented where appropriate. If the Contractor fails to describe such variations, he shall not be relieved of the responsibility for executing the work in accordance with the Contract, even though such Drawings have been reviewed.
- E. Data on materials and equipment include, without limitation, materials and equipment lists, catalog data sheets, cuts, performance curves, diagrams, materials of construction and similar descriptive material as required. Materials and equipment lists shall give for each item thereon the name and location of the supplier or manufacturer, trade name, catalog reference, size, finish, and all other pertinent data.
- F. The Contractor shall provide a list including the equipment name, address, and telephone number of the manufacturer's representative and service company so that service and/or spare parts can be readily obtained for all mechanical and electrical equipment furnished.
- G. All manufacturers or equipment suppliers who proposed to furnish equipment or products shall submit an installation list to the Engineer along with the required Shop Drawings. The

installation list shall include at least five installations where identical equipment has been installed and has been in operation for a period of at least one (1) year.

- H. Only the Engineer will utilize the color red in marking Shop Drawing submittals.
- I. Before final payment is made, the Contractor shall furnish to Engineer five (5) sets of record shop drawings all clearly revised, complete and up to date showing the permanent construction as actually made for all reinforcing and structural steel, miscellaneous metals, process and mechanical equipment, yard piping, electrical system and instrumentation system.

1.13 Working Drawings

- A. Working drawings shall be considered to mean the Contractor's plans for temporary structures.
- B. Copies of working drawings as noted in subparagraph 1.02, shall be submitted to the Engineer where required by the Contract Documents or requested by the Engineer, and shall be submitted at least thirty (30) calendar days (unless otherwise specified by the Engineer) in advance of their being required for work.
- C. The Engineer will not review working drawings but shall use them as information to monitor the work performed by the Contractor.

1.14 Samples

- A. The Contractor shall furnish for the review of the Engineer samples required by the Contract Documents or requested by the Engineer. Samples shall be delivered to the Engineer as specified or directed and the Contractor shall prepay all shipping charges. Materials or equipment for which samples are required shall not be used in work until reviewed by the Engineer.
- B. Samples shall be of sufficient size and quantity to clearly illustrate:
 - 1. Functional characteristics of the product, with integrally related parts and attachment devices.
 - 2. Name of Contractor and Subcontractor
 - 3. Material or Equipment represented
 - 4. Place of Origin
 - 5. Name of Producer and Brand (if any).
 - 6. Location in Project

(Samples of finished materials shall have additional marking that will identify them under the finished schedules.)

- C. The Contractor shall prepare a transmittal letter in triplicate for each shipment of samples containing the information required in subparagraph 1.06B above. He shall enclose a copy of this letter with the shipment and send a copy of this letter to the Engineer under separate cover and the remaining copy shall be for the Contractor's records. Review of a sample shall be only for the characteristics or use named and shall not be construed to change or modify any Contract requirements.
- D. Reviewed samples not destroyed in testing shall be sent to the Engineer or stored at the site of the work. Reviewed samples of the hardware in good condition will be marked for identification and may be used in the work. Materials and equipment incorporated in work shall match the reviewed samples. Samples which failed testing or were rejected will be returned to the Contractor at his expense, if so requested at time of submission.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01600

MATERIAL AND EQUIPMENT

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Material and equipment incorporated into the Work shall:

- A. Conform to applicable specifications and standards.
- B. Comply with size, make, type, and quality specified to the greatest extent possible, detailing all aspects and providing explicit reasons for parameters not in compliance and specifically approved in writing by the Engineer.
- C. Manufactured and Fabricated Products:
 - 1. Design, fabricate, and assemble in accord with the best engineering and standard shop practices.
 - 2. Manufacture like parts of duplicate units to standard sizes and gauges, to be interchangeable.
 - 3. Two or more items of the same kind shall be produced, by the same manufacturer.
 - 4. Products shall be suitable for service conditions.
 - 5. Equipment capacities, sizes and dimensions shown or specified shall be adhered to unless variations are specifically approved in writing.
- D. Do not use material or equipment for any purpose other than that for which it is designed or is specified.

1.02 APPROVAL OF MATERIALS

- A. Only new materials and equipment shall be incorporated in the Work. All materials and equipment furnished by the Contractor shall be subject to the inspection and approval of the Engineer. No material shall be delivered to the Work without prior approval of the Engineer.
- B. The Contractor shall submit to the Engineer, data relating to materials and equipment he proposes to furnish for the work. Such data shall be in sufficient detail to enable the Engineer to identify the particular product along with references to the applicable section(s) of the specifications to form an opinion as to its conformity to the specifications. The data shall comply with Paragraph 1.06 of this Section.
- C. Facilities and labor for handling and inspection of all materials and equipment shall be furnished by the Contractor. If the Engineer requires, the Contractor shall submit samples of materials for such special tests as may be necessary to demonstrate that they conform to the

specifications. Such samples shall be furnished, stored, packed, and shipped as directed at the Contractor's expense. Except as otherwise noted, the Contractor will make arrangements for and pay for the tests. Where such tests confirm compliance with the specifications, the Owner will reimburse the actual charges of the testing firm paid by the Contractor.

- D. Contractor shall submit data and samples sufficiently early to permit consideration, approval, manufacture, and delivery of materials before they are necessary for incorporation in the work. Any delay of approval resulting from the Contractor's failure to submit samples or data promptly shall not be used as a basis of claim against the Owner or the Engineer.
- E. The materials and equipment used in the Work shall correspond to the approved samples or other data.

1.03 MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION

- A. When Contract Documents require that installation of the Work shall comply with manufacturer's printed instructions, obtain and distribute copies of such instructions to parties involved in the installation, including five copies to the Engineer. One complete set of the installation instructions shall be available for use on the job site during and through completion of the Work.
- B. Handle, install, connect, clean, condition and adjust products as required by the manufacturer's instructions and in conformity with specified requirements.
 - 1. Should the specified requirements conflict with the manufacturer's instructions, the manufacturer's instructions shall have priority unless changes are authorized in writing by the manufacturer.
 - 2. Should job conditions conflict with the manufacturer's instructions, consult with the manufacturer for clarification.
 - 3. Clarifications of installation instructions shall be issued only by the manufacturer, shall be in writing, and shall be distributed to all parties involved in the installation as stated above and prior to alteration of the installation procedures.
 - 4. Do not proceed with the Work without clear instructions concerning the specific installation procedures.
- C. Do not omit any preparatory step or installation procedure unless specifically modified or exempted by the manufacturer.

1.04 TRANSPORTATION AND HANDLING

- A. Arrange deliveries of Products as required by the currently approved construction schedule coordinating each delivery to avoid conflict with other work and conditions at the site.
 - 1. Deliver Products in a undamaged condition, in the manufacturer's original containers or packaging and with identifying labels intact and legible.
 - 2. Prior to accepting delivery, inspect shipments to assure compliance with approved submittal, and that the Products have been properly protected and are undamaged.
- B. Provide equipment and personnel to handle Products preventing soiling or damage to the Products or their protective packaging.

1.05 STORAGE AND PROTECTION

- A. Store Products in accord with manufacturer's instruction, with seals and labels intact and legible.
 - 1. Store products subject to damage by the elements in weathertight enclosures.
 - 2. Maintain temperature and humidity within the ranges required by manufacturer's instructions.
 - 3. Store fabricated products above the ground, on blocking or skids, prevent spoiling, staining or corrosion. Cover products which are subject to deterioration with impervious sheet coverings and provide adequate ventilation to avoid condensation.
 - 4. Store loose granular materials in a well-drained area on solid surfaces to prevent mixing with foreign matter.
- B. All materials and equipment to be incorporated in the Work shall be handled and stored in a manner to prevent warping, twisting, bending, breaking, chipping, rusting, and other injury, theft or damage.
- C. Cement and lime shall be stored under a roof and off the ground and shall be kept completely dry at all times. All miscellaneous steel, structural steel and reinforcing steel shall be stored off the ground, kept free of accumulations of dirt and grease, and in areas free of standing water to minimize rusting. Precast concrete sections shall be handled and stored in a manner to prevent staining, chipping or cracking. Brick, block and similar masonry products shall be handled and stored in a manner to reduce staining, breaking, chipping, cracking, and spalling.
- D. All materials which, in the opinion of the Engineer, have become so damaged as to be unfit for the use intended, including aesthetics, shall be promptly removed from the site of the work.
- E. Arrange storage in a manner to provide easy access for inspection. Make periodic inspections and exercise or rotate moving parts of stored products as required by the

manufacturer to assure that products are maintained under specified conditions and free from damage or deterioration.

- F. Provide substantial coverings as necessary to protect installed products from damage caused by traffic and subsequent construction operations. Remove the protective covering when no longer needed.
- G. The Contractor shall be responsible for all material, equipment, and supplies sold and delivered to the Owner under this Contract until final inspection of the Work and acceptance thereof by the Owner. In the event any such material, equipment, and supplies are lost, stolen, damaged, or destroyed prior to final inspection and acceptance they shall be replaced by the Contractor.
- H. Should the Contractor fail to take proper action to properly store and handle equipment supplied under this Contract, the Owner retains the right to notify the Contractor in writing of the deficiencies, to correct all deficiencies and deduct the cost associated with these corrections from the contractor's Contract. These costs may be comprised of expenditures for labor, equipment usage, administration, clerical, engineering and any other costs associated with making the necessary corrections.

1.06 SUBSTITUTIONS AND PRODUCT OPTIONS

A. Products List:

Within fifteen (15) days after the Notice to Proceed, submit to the Engineer complete list of major products proposed to be used, with the name of the manufacturer and the installing subcontractor.

B. Contractor's Options:

- 1. For Products specified only by reference standard, select any product meeting that standard.
- 2. For Products specified by naming one or more Products or manufacturers and "or equal", Contractor must submit a request as for substitutions for any Product or manufacturer not specifically named.

C. Substitutions:

- 1. For a period of thirty (30) days after the Effective Date of the Agreement, the Engineer will consider written requests from Contractor for substitution of Products.

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2. Submit a separate request for each Product, supported with complete data, with drawings and samples as appropriate, including:
 - a. Comparison of the qualities of the proposed substitution with that specified.
 - b. Changes required in other elements of the work because of the substitution.
 - c. Effect on the construction schedule.
 - d. Cost data comparing the proposed substitution with the Product specified.
 - e. Any required license fees or royalties.
 - f. Availability of maintenance service, and source of replacement materials.
 3. The Engineer shall be the judge of the acceptability of the proposed substitution.

D. Contractor's Representation:

A request for a substitution constitutes a representation that Contractor:

1. Has investigated the proposed Product and determined that it is equal to or superior in all respects to that specified.
2. Will provide the same warranties or bonds for the substitution as for the Product specified.
3. Will coordinate the installation of an accepted substitution into the Work, and make such other changes as may be required to make the Work complete in all respects.
4. Waives all claims for additional costs, under his responsibility, which may subsequently become apparent.

1.07 SPECIAL TOOLS

Manufacturers of equipment and machinery shall furnish any special tools required for normal adjustment, operations and maintenance, together with instructions for their use. The Contractor shall preserve and deliver to the Owner these tools and instructions in good order no later than upon completion of the Contract.

1.08 WARRANTY

For all major pieces of equipment, submit a warranty from the equipment manufacturer. The manufacturer's warranty period shall be concurrent with the Contractor's as stipulated in the specifications for each piece of equipment.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01630

SUBSTITUTIONS

PART 1 GENERAL

1.01 General

Requests for review of a substitution shall conform to the requirements of Article 6.05 of the General Conditions and shall contain complete data substantiating compliance of proposed substitution with Contract Documents.

1.02 Substitutions

- A. During a period of 60 days after execution of Contract, ENGINEER will consider written requests from CONTRACTOR for substitution of products or construction methods (if specified).
 - 1. After end of specified period, requests will be considered only in case of unavailability of products or other conditions beyond control of CONTRACTOR.
 - 2. If the CONTRACTOR proposes to use products other than named manufacturers in the technical Specification, the ENGINEER reserves the right to require the CONTRACTOR to submit information within the first 30 days after the NOTICE TO PROCEED verifying that the proposed equipment will comply with the Specifications.
- B. Requests for review of a substitution shall conform to the requirements of Article 6.05 of the General Conditions, and shall contain complete data substantiating compliance of proposed substitution with the Contract Documents.
- C. In making request for substitution, CONTRACTOR represents:
 - 1. CONTRACTOR has investigated proposed product or method, and determined that it is equal or superior in all respects to that specified.
 - 2. CONTRACTOR will provide the same or better warranties or bonds for proposed substitution as for product or method specified.
 - 3. CONTRACTOR waives all claims for additional costs or extension of time related to proposed substitution that subsequently may become apparent.
- D. Proposed substitutions will not be accepted if:
 - 1. They are only shown or implied on the Shop Drawings.
 - 2. Acceptance will require substantial revision of Contract Documents.
 - 3. They will change design concepts or Specifications.
 - 4. They will delay completion of the Work, or the work of other contractors.
- E. The ENGINEER will determine whether substitute brands or products are equal to those specified in the Contract Documents. No substitute will be ordered or installed without the ENGINEER'S prior written acceptance.
- F. The OWNER may require CONTRACTOR to furnish at CONTRACTOR'S expense a

special performance guarantee or other surety with respect to any substitute.

- G. If the ENGINEER determines that a proposed substitute is not equal to that specified or described in the Drawings or Specifications, CONTRACTOR shall furnish one of the brands or products specified or described, at no additional cost to the OWNER.
- H. Engineering Costs:
1. The ENGINEER will record all time required in evaluating substitutions proposed by CONTRACTOR and in making any change in the Drawings or Specifications occasioned thereby. Whether or not the ENGINEER accepts a proposed substitute CONTRACTOR will reimburse the OWNER for the actual cost of the ENGINEER for evaluating any proposed substitute which either does not meet the requirements of the Drawings and Specifications, or the acceptance of which would require changes to other portions of the Work.
 2. CONTRACTOR shall reimburse OWNER for all associated engineering costs, including redesign, additional shop drawing reviews, investigations, consultant fees and revision of the Contract Documents required because of the substitution.
- I. The time required by the ENGINEER to evaluate and either accept or reject proposed substitutes is included in the Contract Time and no extension of the Contract Time shall be allowed therefore.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01710

CLEANING

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Cleaning shall include daily "policing" of the work and surrounding areas to clear general debris waste paper, wood scraps, broken concrete, loose riprap, and other objectionable material along with the final cleanup of site(s) required for project acceptance. **DAILY CLEANUP IS REQUIRED.**

1.02 DISPOSAL REQUIREMENTS

Conduct cleaning and disposal operations to comply with codes, ordinances, regulations, and anti-pollution laws.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 DURING CONSTRUCTION

- A. Execute daily cleaning to keep the Work, the site and adjacent properties, free from accumulations of waste materials, rubbish and windblown debris, resulting from construction operations.
- B. Provide onsite containers for the collection of waste materials, debris and rubbish. All waste materials including containers, food debris and other miscellaneous materials must be disposed of daily in onsite containers.
- C. Remove waste materials, debris and rubbish from the site periodically and dispose of at legal disposal areas away from the site.

3.02 FINAL CLEANING

- A. Employ skilled workmen for final cleaning.
- B. Remove grease, mastic, adhesives, dust, dirt, stains, fingerprints, labels, and other foreign materials from sight-exposed interior and exterior surfaces.
- C. Broom clean exterior paved surfaces; rake clean other surfaces of the grounds.
- D. Prior to final completion or Owner occupancy, Contractor shall conduct an inspection of sight-exposed interior and exterior surfaces and all work areas to verify that the entire Work is clean.

**** END OF SECTION ****

SECTION 01720
PROJECT RECORD DOCUMENTS

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Maintain at the site for the Owner one record copy of:

- A. Conformed Drawings.
- B. Conformed Specifications.
- C. Change Orders and other Modifications to the Contract.
- D. Engineer's Field Orders or written instructions.
- E. Approved Shop Drawings, Working Drawings and Samples.
- F. Field Test records.
- G. Construction photographs.
- H. Latest, Approved Progress Schedule.

1.02 MAINTENANCE OF DOCUMENTS AND SAMPLES

- A. Store documents and samples in a manner and location to prevent damage.
 - 1. Provide files and racks for storage of documents.
 - 2. Provide secure storage space for storage of samples.
- B. File documents and samples in accordance with CSI section numbers.
- C. Maintain documents in a clean, dry, legible, condition and in good order. Do not use record documents for construction purposes.
- D. Make documents and samples available at all times for inspection by the Owner.
- E. As a prerequisite for monthly progress payments, the Contractor is to exhibit the currently updated "record documents" for review by the Owner.

1.03 MARKING DEVICES

Provide felt tip marking pens for recording information in the color code designated by the Owner.

1.04 RECORDING

- A. Label each document "PROJECT RECORD" with rubber stamp.
- B. Record information concurrently with construction progress and do not conceal any work until required information is recorded.
- C. Legibly mark drawings to record actual construction:
 - 1. The Contractor shall use the following color code in marking Contract Drawings:
 - a. Yellow for no change.
 - b. Red to indicate additions, deletions and changes.
 - 2. Elevations of various structure elements in relation to elevation datum.
 - a. Elevations referenced to control points established by the Owner's agent.
 - b. Specifically, elevations of drainage culvert inverts, ditch grades, top of roadway and driveway curbs, bridges, etc.
 - 3. Location of internal utilities and appurtenances concealed in the construction by referencing to visible and accessible features of the structure.
 - 4. Field changes of dimension and detail.
 - 5. Changes made by Field Order or by Change Order.
 - 6. Details not on original contract drawings.
- D. Specifications and Addenda; Legibly mark each Section to record:
 - 1. Manufacturer, trade name, catalog number, and Supplier of each Product and item of equipment actually installed.
 - 2. Changes made by Field Order or by Change Order.
- E. Shop Drawings (after final review):

-
- F. Certified site survey and line elevations and stationing at 100 foot increments and all points of change of direction of channel improvements (Section 01050) by a registered land surveyor.

1.05 SUBMITTAL

- A. At Contract close-out, deliver Record Documents to the Owner.
- B. Accompany submittal with transmittal letter in duplicate, containing:
1. Date.
 2. Project title and number.
 3. Contractor's name and address.
 4. Title and number of each Record Document.
 5. Signature of Contractor or his authorized representative.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION(NOT USED)

*** * END OF SECTION * ***

SECTION 01740

WARRANTIES AND BONDS

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Compile specified warranties and bonds, as in Articles 5 and 13 of the General Conditions.
- B. Co-execute submittals when so specified.
- C. Review submittals to verify compliance with Contract Documents.
- D. Submit to the Owner for review.

1.02 SUBMITTAL REQUIREMENTS

- A. Assemble and include warranties, bonds and service and maintenance contracts, executed by each of the respective manufacturers, couplers, and subcontractors including effective dates.
- B. Number of original signed copies required. Two (2) each.
- C. Table of Contents. Neatly typed in orderly sequence. Provide complete information for each item.
 - 1. Product or work item.
 - 2. Firm, with name of principal, address and telephone number.
 - 3. Scope.
 - 4. Date of beginning warranty, and bond.
 - 5. Duration of warranty.
 - 6. Provide information for Owner's personnel:
 - a. Proper procedure in case of failure.
 - b. Instances which might affect the validity of warranty or bond.
 - 7. Contractor, name of responsible principal, address and telephone number.

1.04 FORM OF SUBMITTALS

- A. Prepare in duplicate packets.
- B. Format:
 - 1. Size 8-1/2-inches x 11-inches, punch sheets for standard 3-post binder.
 - 2. Cover: Identify each packet with typed or printed title "WARRANTIES AND BONDS." List:
 - a. Title of Project.
 - b. Name of Contractor.
- C. Binders: Commercial quality, three-post binder, with durable and cleanable plastic covers and maximum post width of 2-inches, "D" ring.

1.05 WARRANTY SUBMITTAL REQUIREMENTS

- A. For all components of the work, unless stated otherwise in the specifications for each individual item of equipment, submit a written warranty from the manufacturer to replace promptly any component thereof which, in the sole opinion of the Engineer, has defects in design, workmanship, materials, or performance within a one (1) year period following the date of acceptance for operation (Substantial Completion) by the Owner. The manufacturer's warranty period shall be concurrent with the Contractor's for one (1) year, unless otherwise specified, commencing at the time of acceptance for operation (beneficial use) by the Owner and shall be read in conjunction with the Contractor's warranty which shall operate together to provide for replacement of defective components and restoration of proper operation. The Contractor shall be solely responsible for both warranties.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 16010

GENERAL REQUIREMENTS

PART 1 – GENERAL

1.01 Governing Clause

The phrase "CONTRACTOR shall furnish and install" unless specified or indicated otherwise, shall be omitted for the sake of brevity in these specifications. However, these phrases are implied. Any mention of material and/or operations in the specifications or drawings will require CONTRACTOR to furnish and install such materials and perform each and every operation required for a complete and operable system and to the complete satisfaction of the ENGINEER. The drawings are diagrammatic and may not necessarily show each and every wire, conduit, conduit routing, junction electrical box and/or final connection required for all pieces of equipment. However, the intent of this paragraph is to require that the CONTRACTOR furnish labor and materials to make all required final electrical power connections whether or not shown to all equipment shown on the drawings issued as bidding documents for this project.

1.02 General Conditions

- A. General Conditions, Supplementary General Conditions, Information to Bidders, General Requirements, Special Conditions, Addenda, Wage Rates, and other pertinent documents issued under these specifications and shall be complied with in every respect as though fully written herein.
- B. Notwithstanding Any Reference in the Specifications to Any Article, Device, Product, material, fixture, form or type of construction by name, make or catalog number, such reference shall be interpreted as establishing a standard of quality and performance and shall not be construed as limiting competition; and in such cases, may at his option use any article, device, product, material, fixture, form or type of construction which in the final judgment of the ENGINEER expressed in writing, is an approved equal to that specified.

1.03 Record Drawings and Operating and Maintenance Manuals

Furnish to the ENGINEER at job acceptance and completion, the following in compliance with Section 01720:

- A. Record Drawings: One set of blue line prints marked in black, showing an accurate location of all variations of the work actually installed related to the original drawings. The drawings shall include all approved and installed Change Orders, field condition changes, and other variations from the original plans and specifications.
- B. Operation and Maintenance Manuals: Furnish three copies of an operation and maintenance manual for each electrical system and for each piece of equipment. Three copies of the complete manuals bound in a 3-inch, 3-ring black binder with color coded tabs as directed by the ENGINEER labeling all shop drawings, approved manufacturers brochures, control diagrams, maintenance instructions and other data required by the contract documents reflecting the record fabrication and installation of all systems or equipment installed. One

manual shall be furnished prior to the time that the system or equipment tests are performed. The remaining two manuals shall be furnished to the ENGINEER before the contract is closed out.

- C. The following identification shall be inscribed in minimum : "-high alphabet type letters on the outside front corner: The words "OPERATING AND MAINTENANCE MANUAL", the name and location of the project and the contract number. The manual shall include the names, addresses, and telephone number of each subcontractor. Installing equipment and systems, the local manufacturer=s representative for each item of equipment and each system. This information shall be contained on the first page of the binder. Lettering shall be permanent signage and not stick-on type.
- D. The manual shall have a typewritten table of contents with the tab sheets placed before instructions covering the subject. The instruction sheets shall be legible with large sheets of drawings folded in. The manual shall include a system layout showing circuits, devices, and controls; control diagrams with explanation of operation and control of each component; start-up control sequence, and operation; a detailed description of the function of each principal component of the system; the procedure for starting; the procedure for operating; shut-down instructions; installation instructions, maintenance and overhaul instructions; lubrication schedule including type, grade, illustrations; test procedures; performance data; and parts list. The parts list for equipment shall indicate the sources of supply, recommended spare parts, and the service organization which is reasonably convenient to the site. The manual shall be complete in all respects for all equipment, controls, and accessories provided.

1.04 Tests and Inspections

The complete job shall be, during actual construction, and for the warranty provision period, subject to the supervision of the ENGINEER and will have the following tests and inspections conducted without any additional cost to the contract.

- A. By ENGINEER'S inspections and tests conducted by him or for him in his presence. Upon written notice, CONTRACTOR shall furnish not to exceed two men, one to include the job foreman and tools to assist and be directed by the ENGINEER for a reasonable amount of time to make such tests and inspections as are requested by the ENGINEER pertaining to the safety and operation of any device or system installed.
- B. By complete insulation break-down tests with a megger of each and every branch circuit, and service entrance. All 600 volt conductors shall meet a minimum of resistance of 1,000,000 OHMS. Tests shall be performed prior to any connections to overcurrent devices, devices or equipment. All readings shall be made in the ENGINEER'S presence or his authorized representative and a type-written report of same submitted to him before the job is subject to his approval. The manufacturer, cat. no. and type or megger shall be noted on the report.
- C. By any federal, state or local authority having jurisdiction of the project.
- D. By the Mississippi State Rating Bureau. After inspection by this agency, corrections of any deficiencies shall be made which were found adversely affecting the insurance to be carried by the OWNER. Acceptance of the Rating Bureau's report or subsequent reports lie with the ENGINEER or OWNER. Electrical contractor/subcontractor shall pay all cost for this work.

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- E. Properly phase out the entire electrical system to balance all loads as close as possible.
 - F. Certified Test Reports: Before any equipment or materials are delivered to the project site, certified copies of all test reports specified in the individual sections of this specification shall be submitted to the ENGINEER for his approval.

1.05 Guarantee

- A. Guarantee to the OWNER all work performed and all equipment installed under this contract shall be free from defects in workmanship and materials for a period of one year unless noted otherwise from date of final written acceptance by the ENGINEER and the OWNER.
- B. Defects shall be corrected arising during this one year period at the CONTRACTOR'S own expense, upon written notice of the OWNER or his authorized representative.

1.06 General Information

- A. Plans are diagrammatic. Judgment and care shall be exercised to install all electrical work in a practical manner which shall function properly and fit the construction and finishes. Electrical devices not shown or specified which shall be required or any device or system to produce a complete and operative system shall be brought to the ENGINEER'S attention at least five days prior to the bid date in order for such devices to be noted or clarified in an addendum, otherwise furnished at his own expense.
- B. Cooperate with others in laying out work so that the electrical phase of the work will properly fit the construction and finishes. Space requirements, etc. other than that shown on the plans required to facilitate the electrical construction, shall be brought to the ENGINEER'S attention prior to commencing any work so that proper action may be taken to remedy this.
- C. Exact location of equipment shall be determined on the job. Do not scale electrical drawings for exact location of any equipment. All mounting heights shall be verified prior to rough-in.
- D. ENGINEER reserves the right to change the location of any equipment improperly installed and to change the exact location of any equipment connection location up to twenty feet prior to rough-in with no additional cost to the contract.
- E. Circuit grouping, conduit or cable runs are indicated diagrammatically with number of conductors shown in each raceway to clarify the operation and function of various systems. Provide the proper number of conductors and conduits or cables to produce an operative system as specified herein. Where conductors not shown, consult manufacturer's recommendations.
- F. Branch circuit shall be indicated as 2 or 3 wire circuits unless otherwise noted. No two ungrounded conductors will be connected to the same ungrounded main in any panel. There shall be no splicing of branch circuit conductors in any panel, safety switch or non-automatic circuit breaker in separate enclosures.
- G. All materials shall be new (unless otherwise noted on the drawings or specified herein) and of approved equal or superior quality to those specified. All equipment or materials shall

conform to the latest requirements of Underwriter's Laboratories, National Electrical Code, National, State or local agency having jurisdiction, American National Standards Institute (ANSI), National Electrical Safety Code and National Fire Protection (NFPA) Codes.

- H. All conductors shall be color coded as specified herein. All conductors not complying with the specified color code shall be removed and replaced solely at the electrical subcontractor's expense.
- I. All materials, devices, equipment, etc. shall be installed, tested and connected in strict compliance with manufacturer's recommendations.
- J. Install all materials, equipment, devices, etc. in a neat and workmanlike manner. Use only experienced labor or employ appropriate subcontractor to do all cutting and patching necessary for the installation of his materials.
- K. Protect from damage all apparatus and equipment furnished on this project. Equipment and materials shall be properly stored and adequately protected and carefully handled to prevent damage before and during installation. Equipment and materials shall be handled, stored and protected in accordance with the manufacturer's recommendations and as approved by the ENGINEER. Electrical conduit shall be stored to provide protection from the weather and accidental damage. Plastic conduit shall be stored on even supports and in locations not subject to direct sun rays or excessive heat. Cables shall be sealed, stored and handled carefully to avoid damage to the outer covering or insulation and damage from moisture and weather. Any piece of equipment or material marred or damaged shall be repaired, repainted and/or replaced to the complete satisfaction of the ENGINEER.
- L. Any piece of equipment, switch, device, etc. shown mounted on and/or adjacent to any installed equipment which, if installed, may impair the proper operation of that equipment, shall be removed by the electrical contractor/subcontractor as required in order that installed equipment shall function properly. ENGINEER shall be notified immediately if any such condition exists.

1.07 Removal of Salvage Material and Debris

It shall be the responsibility of the CONTRACTOR to have all trash, salvage material, etc. related to the electrical work completely removed from the project site at all times during construction.

1.08 Trenching and Backfilling

- A. All trenching shall be done by mechanical means and all sides straight and vertical. Width of trenches shall not exceed eight inches on either side of placed equipment.
- B. All backfill shall be made with red sand (unless otherwise specified) and packed by mechanical means every six inches and left with a six-inch layer above finish grade to allow settling unless asphalt or concrete topping is to be provided.
- C. Where required by safety or recommended standards and where any excavated trench or hole is more than five feet deep, install shoring on all sides to protect against sides caving in. Shoring method and material shall be the CONTRACTOR's responsibility.

1.09 Cutting, Patching, Finishing and Painting

- A. The CONTRACTOR shall be responsible for all cutting required to install his work. All existing walls shall be carefully trenched, cut, etc. to depths required to completely recess conduit and boxes. Where masonry walls are encountered, blocks and/or brick shall be carefully saw cut to exact box dimensions and conduit shall be routed in cavities, air spaces, etc.
- B. It shall be the responsibility of the CONTRACTOR to have all patching, finishing, painting, etc. done by qualified personnel related to his work.
- C. It shall be the responsibility of the CONTRACTOR to have all exposed conduit, piping and wireways painted where exposed in any space or location.

1.10 Corrosion Protection

It is the intent of these specifications to have all joints, connections, etc. exposed to climatic conditions to be completely watertight using the following:

- A. Nylon gland rings on all Liquid-tite conduit connectors.
- B. Nylon gland rings on all locknuts installed in boxes subject to moisture.
- C. Insulated throat connectors on all compression connectors.
- D. Corrosion inhibitors shall be placed in all environmental, control panels, exposed to damp or wet locations. Inhibitors shall be an approved equal to "Hoffman" A-HCI-1, A-HCI-5 and A-CI-40 and shall be sized in accordance with volume content of the device to be protected.
- E. Where equipment is exposed to severe conditions such as salts, acids, alkalies, sewer gases, etc., all equipment shall be sprayed inside and out with two coats of General Electrical Glyptal No. 1201-A or an approved equal.

1.11 Project Site Inspection

It shall be the responsibility of the CONTRACTOR to visit the proposed sites and make his own observation of the work to be done under the plans and specifications and same shall be contained in his bid proposal. Failure to do so will not relieve him of any responsibility and will not be justification for requesting additional money from the OWNER.

1.12 Coordination of Existing Utilities

It shall be the responsibility of the CONTRACTOR to coordinate all existing utilities location both overhead and underground and verify their locations with the various utilities prior to commencing any work. CONTRACTOR shall call Mississippi One Call 811 and obtain a utility location request number and refer to this number each time a utility company is notified of diggings or trenching near their utilities. Failure to do this shall not relieve him of any responsibility and will not be justification for requesting additional money from the OWNER due to damage of any of these utility lines.

1.13 Construction Tools, Utilities and Buildings

The CONTRACTOR shall furnish all tools, utilities, job office and storage buildings required for his use and to protect all electrical equipment as directed by the ENGINEER.

1.14 Payment Items

Progress payments shall be made to the CONTRACTOR based on the percentage of work performed on various payment items. The electrical payment items shall be included with the preliminary schedule of values and payment requests submitted by the CONTRACTOR.

1.15 Manufacturer's Recommendations

Where installation procedures are specified to be in accordance with the recommendations of the manufacturer of the material or equipment being installed, printed copies of these recommendations shall be furnished to the ENGINEER by the CONTRACTOR prior to installation. Installation of the item will not be allowed to proceed until the recommendations are received. Failure to furnish these recommendations can be cause for rejection of the material.

1.16 Submittals

Specific items requiring submittals shall be as specified herein. Shop drawings shall be submitted and approved before procurement, fabrication or delivery of such items to the project site. Partial submittals are not acceptable; such submittals will be returned without review.

- A. **Manufacturer's Data:** Submittals for each manufactured item shall be manufacturer's descriptive literature, equipment drawings, diagrams, performance and characteristic curves and catalog cuts. Each submittal shall include the manufacturer's name, trade name, catalog model or number, nameplate data, size, layout dimensions, capacity, specification reference, applicable federal, military and industry specification references and all other information necessary to establish contract compliance.
- B. **Shop drawings** shall show types, sizes, accessories, elevations, plans, sectional view, installation details, elementary diagrams and wiring diagrams. Wiring diagrams shall identify circuit terminals and shall indicate the internal wiring for each item of equipment and the interconnection between the items. Drawings shall also indicate adequate clearance for operation, maintenance and replacement of operating equipment devices. If any equipment is disapproved, the drawings shall be revised to show acceptable equipment and be resubmitted.
- C. **Standards Compliance:** When materials or equipment must conform to the standards of organizations such as the American National Standards Institute (ANSI), American Society for Testing and Materials (ASTM), National Electrical Manufacturer's Association (NEMA) and Underwriters' Laboratories (UL), proof of such conformance shall be submitted to the ENGINEER for approval. If any organization uses a label or listing to indicate compliance with a particular standard, the label or listing will be acceptable evidence, unless otherwise specified in the individual sections. In lieu of the label or listing, the CONTRACTOR shall submit a certificate from an independent testing organization, which is competent to perform acceptable tests and is approved by the ENGINEER. The certificate shall state that the item has been tested in accordance with the specified organization's test methods and that the item conforms to the specified organization's standard. For materials and equipment whose

compliance with organizational standards or specifications is not regulated by an organization using its own listing or label as proof of compliance, a certificate of compliance from the manufacturer shall be submitted for approval. The certificate shall identify the manufacturer, the product and the referenced standard and shall simply state that the manufacturer certifies that the product conforms to all requirements of the project specification and of the referenced standards listed.

PART 2 – PRODUCTS

2.01 Materials and Equipment

All materials, equipment and devices shall, as a minimum standard, meet the requirements of UL where UL standards are established for those items and the requirements of NFPA 70. All items shall be new unless specified or indicated otherwise.

2.02 Nameplates

Fed. Spec. L-P-387. Provide laminated plastic nameplates for each panel, transformer, relay, contactor, starter, safety switch and device. Each nameplate inscription shall identify the equipment and serving panel, and when applicable, the location. Nameplates shall be melamine plastic, 0.125-inch thick, white with black center core. Surface shall be matte finish. Corners shall be square. Accurately align lettering and engrave into the black core. Minimum size of nameplates shall be as follows:

- A. Style No. 1: 1.0 inch by 2.5 inches for panelboard and terminal cabinet enclosures.
- B. Style No. 2: 0.5 inch by 1.5 inches for safety switches, enclosed individually mounted circuit breakers, small junction/terminal boxes, etc.

2.03 Warning Signs

ANSI Z35.1. Provide warning signs for the electric panel boards. Provide signs with the legend "DANGER HIGH VOLTAGE KEEP OUT" printed in three lines of nominal 3-inch high letters.

PART 3 – EXECUTION

3.01 Nameplate Mounting

Provide number, location and letter designation of nameplates. Fasten nameplates to the device or enclosure with a minimum of two oval head stainless steel screws.

3.02 Painting of Equipment

- A. Factory Applied: Electrical equipment shall have factory-applied painting systems which shall, as a minimum, meet the requirements of NEMA ICS 6 corrosion-resistance test.
- B. Field Applied: Paint electrical equipment as required to match finish or to meet safety criteria. Painting shall be a minimum of three coats consisting of primer and two finish coats.

Touch-up paint of all equipment shall be required where equipment has become damaged as a result of handling, rusting, etc. Paint shall be applied in even three coats, consisting of prime coat and two finish coats. See plans for special PVC applications.

****END OF SECTION****

SECTION 16020

CODES AND STANDARDS

PART 1 – GENERAL

1.01 Description

The following codes and standards shall be complied with as though fully written herein in these specifications and shall be applicable to CONTRACTOR, supplier and manufacturer. Dates and amendments shall be the latest edition thereof in force at time of project bid date. Bidders shall be responsible for obtaining their own copies of these codes and standards and pay all cost thereof. Bidders may request addresses of codes and standards issuing agency from ENGINEER in writing in sufficient time to obtain required copies from issuing standards institute.

- A. National Fire Protection Association (NFPA)
 - NFPA 70 National Electrical Code (N.E.C.)
 - NFPA 78 Lightning Protection Code
 - NFPA 77 Recommended Practice on Static Electricity
- B. American National Standards Institute (ANSI)
 - ANSI B16.11 Forged Steel Fittings, Socket Welding and Threaded
 - ANSI C57.12.01 General Requirements for Dry-Type Distribution and Power Transformers
 - ANSI C57.12.91 Test Code for Dry-Type Distribution and Power Transformers
 - ANSI Z35.1 Accident Prevention Signs
 - C80.1 Specification for Rigid Steel Conduit, Zinc-Coated
- C. Occupational Safety and Health Act (OSHA) Requirements
- D. Underwriters Laboratories (UL)
 - UL 6 Rigid Metallic Conduit
 - UL 50 Cabinets and Boxes
 - UL 360 Liquid-Tite Flexible Steel Conduit
 - UL 467 Grounding and Bonding Equipment
 - UL 486A Wire Connectors and Soldering Lugs for Use with Copper Conductors
 - UL 468C Splicing Wire Connectors
 - UL 489 Molded Case Circuit Breakers
 - UL 508 Enclosures
 - UL 510 Insulating Tape
 - UL 514A Outlet Boxes and Fittings
 - UL 651 Schedule 40 and 80 Rigid PVC Conduit
 - UL 854 Service-Entrance Cables
 - UL 869 Service Equipment
 - UL 943 Ground-Fault Circuit Interrupters
 - UL 1059 Terminal Blocks
 - UL 1449 Transient Voltage Surge Suppressors
 - UL 1561 Dry-Type General Purpose and Power Transformers

	UL 1581	Reference Standard for Electrical Wires, Cables and Flexible Cords
E.	National Electrical Manufacturer's Association (NEMA)	
	WC3	Rubber-Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy
	TC3	PVC Fittings for Use with Rigid PVC Conduit and Tubing
	RN1	PVC Externally Coated Rigid Galvanized Steel Conduit and Electrical Metallic Tubing
	ICS1	General Standards for Industrial Control and Systems
	ICS2	Standards for Industrial Control Devices, Controllers and Assemblies
	ICS6	Terminal Blocks for Industrial Control Equipment and Systems
	TC2	Electrical Plastic Tubing (EPT) and Conduit EPC-40 and EPC-80
	TR1	Transformers, Regulators and Reactors
	WD1	General Purpose Wiring Devices
	LA1	Surge Arrestors
F.	Institute of Electrical and Electronic Engineers (IEEE): Standard Dictionary of Electrical and Electronics Terms	
G.	American Society for Testing and Materials (ASTM)	
	A53	Pipe, Steel, Black and Hot-Dipped Zinc-Coated
	A123	Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
	A153	Zinc Coating (Hot-Dip) on Iron and Steel Hardware
	B8	Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft
	A525	General Requirements for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process
	A780	Repair of Damaged Hot-Dip Galvanized Coatings

PART 2 – PRODUCT NOT USED

PART 3 – EXECUTION NOT USED

****END OF SECTION****

SECTION 16030

ELECTRICAL SYSTEMS SCHEDULE

PART 1 – GENERAL

1.01 DESCRIPTION

- A. CONTRACTOR to furnish all materials and labor and perform all operations, including, but not limited to, coordination with general construction shop and field drawings, manufacturer's recommendations and installation instructions, to produce a complete and operative system. It is specifically noted that the plans are diagrammatic and the specifications are descriptive and do not show every piece of equipment, conduit, wiring boxes, etc.; however, where any mention of a system or system operation is indicated in the contract documents, CONTRACTOR shall provide material and labor for that system to be fully operational to the satisfaction of the ENGINEER and OWNER.
- B. The following operative systems shall be applicable to this project.
1. Secondary underground 480-volt service and distribution system, complete with conduit, conductors, termination lugs, trenching and backfill, and testing.
 2. Site power system (600-volt and below) complete with final electrical connections to all panels, auxiliary equipment controls, distribution equipment, transformers, lights, etc.
 3. Lighting systems complete with fixtures, accessories, mounting hardware, lamps, poles, etc.
 4. Grounding protection system complete with wiring, connectors, ground rods, exothermic connections, compression connectors and certification from supplier.

PART 2 – PRODUCTS NOT USED

PART 3 – EXECUTION NOT USED

****END OF SECTION****

SECTION 16040

BASIC MATERIALS AND METHODS

PART 1 – GENERAL

1.01 Description

- A. Equipment and materials specified by manufacturer's name and catalog number or an approved equal by the ENGINEER unless otherwise specifically stated herein.
- B. CONTRACTOR shall submit to the ENGINEER in triplicate, typewritten copies of all electrical materials and equipment proposed for use on the project within ten (10) days after award of contract. If this list is not received prior to fifteen (15) days after award of contract, CONTRACTOR is required to furnish specified items by manufacturer and catalog number.
- C. Verbal or written requests by sales agents, manufacturer's agents, CONTRACTOR'S or subcontractors for substitutions of specified equipment by manufacturer and catalog number prior to opening of bids will not be considered or approved. In no case will prior approval be given verbally or in writing of any equipment whether specified by manufacturer and catalog or not prior to opening of bids.
- D. CONTRACTOR shall not place any orders or release shipment of any piece of equipment or materials until all formal submittals have been approved by ENGINEER including any supplemental submittal requirements requested by the ENGINEER.
- E. Samples of any equipment or materials may be required at the ENGINEER's request. This shall apply to specified items and substituted items. Samples shall be made available to the ENGINEER at his designated location. Special equipment such as motor control centers, generators, automatic transfer switch, radio equipment, fire alarm or intrusion alarm systems would be required to be set up and inspections made available at the manufacturer's plant locations. All expenses for travel, per diem, etc. will be paid for by the CONTRACTOR. This expense may include an OWNER'S representative.
- F. The ENGINEER's opinion shall be final and binding on the approved equal status for equality of any substituted item from that listed by manufacturer and/or manufacturer catalog number.
- G. Submittals for approval by ENGINEER shall include shop drawings, manufacturer's brochures and data sheets, samples where required such as paint, waterproofing, marking tape, wiring and cable; test reports, testing procedures, finishes, etc. Refer to Section 01340.
- H. Submittals shall be required, but not limited to, the following:
 - 1. Transformers.
 - 2. Wire and cable
 - 3. Conduit and fittings
 - 4. Boxes, covers and plates
 - 5. Branch circuit compression connectors
 - 6. Marking and identification devices

-
7. Grounding system
 8. Paint
 9. Lighting fixtures
 10. Panelboards
 11. Metering Equipment
 12. Miscellaneous as shown on drawings
 13. Lamps
 14. Poles

PART 2 – PRODUCTS NOT USED

PART 3 – EXECUTION NOT USED

****END OF SECTION****

SECTION 16050
UTILITY SERVICE

PART 1 – GENERAL

1.01 Description

- A. Scope: Furnish all labor materials, equipment and incidentals required to provide electric utility service for the project from the serving utility. The services consist of one 4-wire services, 277/480-volt 3-Phase Services. In general, the following work shall be performed by the Contractor.
 - 1. Ball field complex secondary wiring from pad-mounted transformer service to all panels and devices. All lighting and miscellaneous components.
- B. Coordination: Contractor shall make all arrangements with regard to the service connections required. It shall be the responsibility of the Contractor to fully coordinate with the serving utility requirements.
- C. Work performed by others: The following work will be performed by the serving utility:
Supply of distribution transformer and primary lines.

1.02 Quality Assurance

Work in connection with electric utility shall be done in strict conformance with the requirements of the serving utility.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

****END OF SECTION****

SECTION 16111
CONDUIT AND FITTINGS

PART 1 – GENERAL

1.01 Description

- A. Metal conduit.
- B. Flexible metal conduit.
- C. Liquid-Tite flexible metal conduit.
- D. Non-metal conduit.
- E. PVC-coated metal conduit.
- F. Fittings and conduit bodies.

1.02 Related Sections

- A. Section 16130, Boxes.
- B. Section 16170, Grounding and Bonding.
- C. Section 16190, Supporting Devices.
- D. Section 16195, Electrical Identification.

1.03 References

- A. ANSI C80.1 – Rigid Steel Conduit, Zinc Coated
- B. ANSI/NEMA PB 1 – Fittings, Cast Metal Boxes and Conduit Bodies for Conduit and Cable Assemblies.
- C. ANSI/NFPA 70 – National Electrical Code.
- D. NECA "Standard of Installation".
- E. NEMA RN 1 – Polyvinyl Chloride (PVC) Externally Coated Galvanized Rigid Steel Conduit and Intermediate Metal Conduit.
- F. NEMA TC 2 – Electrical Plastic Tubing (EPT) and Conduit (EPC-40 and EPC-80)
- G. NEMA TC 3 – PVC Fittings for Use with Rigid PVC Conduit and Tubing.

1.04 Design Requirements

Conduit Size: ANSI/NFPA 70 (unless noted otherwise on the drawings and contained herein.

1.05 Submittals

- A. Submit under provisions of Section 16010 and Section 01340, Shop Drawings, Project Data and Samples.
- B. Product Data: Provide for metallic conduit, Liquid-tite flexible metal conduit, non-metallic conduit, conduit bodies and fittings.

1.06 Project Record Documents

- A. Submit under provisions of Section 16010.
- B. Accurately record actual routing of all underground conduits and mark on record drawings.

1.07 Field Samples

- A. Provide under provisions of Section 16040.
- B. Provide field sample of PVC-coated steel conduit, one each at two feet long.
- C. Provide field sample of connectors and fittings.

1.08 Delivery, Storage and Handling

- A. Deliver, store, protect and handle products to site.
- B. Accept conduit on site. CONTRACTOR shall, prior to acceptance, inspect for damage.
- C. Protect conduit from corrosion and entrance of debris by storing above grade. Provide appropriate covering.
- D. Protect PVC conduit from sunlight.

1.09 Project Conditions

- A. Verify all field measurements as required or shown on drawings.
- B. Verify routing and termination locations of conduit prior to rough-in.
- C. Conduit routing is shown on drawings in approximate locations unless dimensioned. Route as required parallel and perpendicular to structures.

PART 2 – PRODUCTS

2.01 Conduit Requirements

- A. All wiring shall be installed in conduit, including power and low voltage unless otherwise noted on drawings as Direct Burial.
- B. Minimum size conduit shall be as follows: 2-inch for power and branch circuit wiring, unless noted otherwise on the drawings.
- C. Conduit shall be installed in accordance with the following schedule:
 - 1. In all poured construction concrete, **thick** wall galvanized rigid steel conduit (GRC) or Schedule 80 PVC.
 - 2. In exposed locations outdoors: Galvanized thick wall rigid steel (GRC).
 - 3. Underground installations: Schedule 40 PVC.

2.02 Fittings

- A. Where conduits, 2-inch through 1-inch conduits, enter junction boxes, pullboxes, panels, cabinets, gutters, etc. use insulated throat connectors, Raco Cat. #1003 and 1004, Locknuts #1133 and 1134, insulated throat bushing and #1222, 1223, and 1224, insulated throat ground bushings for rigid conduit, Raco Cat. #2912, 2913, 2914, for EMT. Raco Cat. #3302, 3303, 3304 for flexible metal conduit. Raco Cat. 3512, 3513 and 3514 for Liquid-Tite connectors. Conduits 13-inch and above entering junction boxes, pullboxes, panels, cabinets, gutters, etc. shall have insulated throat grounding bushings equal to Raco Cat. #1225, 1226, 1228, 1230, 1232, 1234 and 1236.
- B. Only threaded joint connectors and malleable iron no thread compression box connectors shall be used on rigid conduit. No fittings requiring set screws or indoor type applications, including BM connectors, will be allowed.

2.03 Conduit Straps and Hangers

Two-hole push-on stamped straps Raco Cat. #2232, 2233, 2234, 2235, 2236 and 2238 for rigid conduit. These anchors shall be used on surface areas such as concrete, masonry, wide flange beams, columns and wood. All screws shall be stainless steel.

2.04 Expansion and Seal off Fittings

Install seal-off fittings where required by code or shown on the drawings for the job. Fittings shall be Crouse-Hinds Type EYS for vertical runs, Type EZS for horizontal and vertical runs, or Type EYS elbow seals, or approved equal in Killark or Appleton. All seals shall be properly installed using a non-hardening sealing compound and shall be sealed as soon as cable is installed.

2.05 Rigid Metal Conduit

- A. Manufacturers:
 - 1. Allied

-
- 2. Wheatland
 - 3. Republic
 - 4. Approved equal

B. Rigid Galvanized Steel Conduit (GRC): ANSI C801. UL 6.

2.06 PVC-Coated Metal Conduit

- A. Manufacturers:
 - 1. Robroy
 - 2. Approved equal.
- B. Description: NEMA RN1; rigid steel conduit with external and internal PVC coating, 20 mil, 0.05 mm thick.
- C. Fittings and Conduit Bodies: ANSI/NEMA FB1; steel fittings with external and internal PVC coating to match conduit.

2.07 Liquid-tight Flexible Metal Conduit

- A. Manufacturers:
 - 1. Alflex
 - 2. Anamet
 - 3. AFC
 - 4. Approved equal
- B. Description: Interlocked aluminum construction with PVC jacket.
- C. Fittings: ANSI/NEMA FB1.

2.08 Non-metallic Conduit

- A. Manufacturers:
 - 1. Carlon
 - 2. Approved equal
- B. Description: NEMA TC2; Schedule 40 PVC.
- C. Fittings and Conduit Bodies: NEMA TC3.

PART 3 – EXECUTION

3.01 Installation

- A. Install conduit in accordance with NECA "Standard of Installation".
- B. Install non-metallic conduit in accordance with manufacturer's instructions.

-
- C. Arrange supports to prevent misalignment during wiring installation.
 - D. Support conduit using coated steel straps with stainless steel screws.
 - E. Fasten conduit supports to structures and surfaces under provisions of this section.
 - F. Do not support conduit with wire or perforated pipe straps in any type structure. Remove wire used for temporary supports.
 - G. Route all conduit, whether exposed or concealed, parallel and perpendicular to structures, etc.
 - H. Route conduit in and under slab or above ceiling from point-to-point.
 - I. Maintain 12-inch (300 mm) clearance between conduit and surfaces with temperatures exceeding 104E F. (40E C.).
 - J. Bring conduit to shoulder of fittings, fasten securely.
 - K. Join non-metallic conduit using cement as recommended by manufacturer. Wipe non-metallic conduit dry and clean before joining. Apply full even coat of cement to entire area inserted in fitting. Allow joint to cure for 20 minutes, minimum.
 - L. Use conduit hubs for sealing locknuts to fasten conduit to cast boxes. All conduit entering top or sides of all junction boxes, pullboxes, wiring gutters, etc., exposed to weather shall have myers hub connectors.
 - M. Install no more than equivalent of four 90-degree bends between boxes. Use conduit bodies to make sharp changes in direction, as around beams. Use factory elbows for bends in metal conduit larger than 2-inch (50 mm) size. All bends shall be long radius. All field bends on conduit shall be made in accordance with tables in Article 346, NFPA 70.
 - N. Avoid moisture traps; provide junction box with drain fitting at low points in conduit system.
 - O. Provide suitable fittings to accommodate expansion and deflection where conduit crosses control and expansion joints.
 - P. Provide suitable nylon pull string or No. 14 AWG steel wire in each conduit except sleeves and nipples.
 - Q. Use suitable caps to protect installed conduit against entrance of dirt and moisture.
 - R. Ground and bond conduit under provision of Section 16170.
 - S. Identify conduit under provisions of Section 16195.
 - T. All conduit male threads shall be coated with "General Electric" RTV silicone sealer where conduit is installed outdoors, in contact with concrete or earth.

-
- U. All feeders shall be run in galvanized or sheradized thick wall rigid steel (GRC), or IMC.
 - V. All conduits shall be sized as noted on the drawings and contained therein. Where size is not shown, consult ENGINEER.
 - W. All upturned conduits shall be capped during construction rough-in to prevent moisture or debris from entering. Pull through each and every conduit a dry swab of sufficient size to remove any and all moisture. Seal all conduit terminations with GE Silicone or duct puddy prior to final acceptance of the project.
 - X. Maximum length of flexible liquid-tite conduit shall not exceed 5 feet.
 - Y. Assure ground continuity on all branch circuitry conduits with two locknuts, one inside and one outside of all boxes, cabinets and gutters for rigid conduit.
 - Z. Conduit Curb:
 - 1. In concrete slabs or floors, provide a 2-inch high curb extending 2-inches from the outer surface of the conduit penetrating the floor, to prevent corrosion.
 - 2. Terminate conduit stub-ups in couplings, slightly above the finished concrete curb.
 - 3. Paint the stub-up with Scotch-Clad Protective Coating #1706 or equal, a minimum of 6-inches above and below the finished surface of the concrete.

3.02 Conduit Supports

Support conduits as follows:

- A. Galvanized rigid thick wall conduit (GRC), IMC and EMT, within three (3) feet of all outlet boxes, junction boxes, cabinets, gutters or fittings. Horizontally anchored at 10'-0" maximum intervals. Other spacings are noted on the plans.
- B. Liquid-tite flexible conduit (Sealtite), within 12 inches of all outlet boxes, junction boxes, cabinets, gutters or fittings and bends or turns. Horizontally anchored at 2-foot intervals. Minimum size permitted is 3/4-inch.

****END OF SECTION****

SECTION 16120
WIRE AND CABLE

PART 1 – GENERAL

1.01 Description

- A. Building wire.
- B. Cable including instrumentation, control, etc.
- C. Wiring connections and terminations.

1.02 References

- A. NEMA WC 3 – Rubber-insulated wire and cable for the transmission and distribution of electrical energy.
- B. NEMA WC 5 – Thermoplastic-insulated wire and cable for the transmission and distribution of electrical energy.

1.03 Submittals

- A. Submit manufacturer's product data under the provisions of Section 16010, Shop Drawings Submittal.
- B. Submit manufacturer's instructions.

PART 2 – PRODUCTS

2.01 Conductors

- A. Thermoplastic insulated building wire: NEMA WC5.
- B. Rubber insulated wire: NEMA WC3.
- C. Feeders and branch circuits: copper, stranded conductor, 600 volt insulation THHN-THWN in conduit.
- D. Service entrance cable: copper, stranded conductor, 600 volt insulation, THHN-THWN in conduit.

PART 3 – EXECUTION

3.01 General Wiring Methods

- A. Use no wire smaller than #12 AWG for power circuits and no smaller than #14 AWG for control wiring.
- B. Place an equal number of conductors for each phase of a circuit in same raceway or cable.
- C. Splice only in junction or outlet boxes.
- D. Neatly train and lace wiring inside boxes, equipment and panelboards.

3.02 Wiring Installation in Raceways

- A. Pull all conductors into a raceway at the same time. Use UL listed wire pulling lubricate for pulling #4 AWG and larger wires.
- B. Completely and thoroughly swab raceway system before installing conductors.

3.03 Cable Installation

Provide protection for exposed cables where subject to damage.

3.04 Wiring Connections and Terminations

- A. Splice only in accessible junction boxes.
- B. Thoroughly clean wires before installing lugs and connectors.
- C. Make splices, taps and terminations to carry full ampacity of conductors without perceptible temperature rise.
- D. Terminate spare conductors with electrical tape and wire nut.
- E. Splices in all junction boxes shall be made by the compression method. Crimp connectors shall be "Buchanan" Cat. #2006S, #2008S or #2011S with #2007, #2014 or #3007B caps or approved equal.

3.05 Field Quality Control

- A. Field inspection and testing will be performed under provisions of Section 16010.
- B. Inspect wire and cable for physical damage and proper connection.
- C. Torque test conductor connections and terminations to manufacturer's recommended values.
- D. Perform continuity test on all power and equipment branch circuit conductors. Verify proper

phasing connections.

3.06 Wire and Cable Installation Schedule

- A. Exterior Locations: Conductors in raceways.
- B. Underground Locations: Conductors in raceways.
- C. Color Coding (Power System): The following conductor color coding shall be used:

480Y/277-Volt System

Phase A – Brown
Phase B – Orange
Phase C – Yellow
Neutral – Gray
Equipment Ground – Green

240/120-V, 3-Wire, Single-Phase System

One Hot Leg – Black
One Hot Leg – Red
Neutral – White
Equipment Ground Green

208Y/120-Volt System

Phase A – Black
Phase A – Switch Leg – Gray
Phase B – Red
Phase B – Switch Leg – Pink
Phase C – Blue
Phase C – Switch Leg – Purple
Travelers – Yellow
Neutral – White
Equipment Ground – Green

****END OF SECTION****

SECTION 16130

BOXES

PART 1 – GENERAL

1.01 Description

- A. Wall and ceiling outlet boxes.
- B. Pull and junction boxes.

1.02 Related Sections

- A. Section 16111, Conduit and Fittings.
- B. Section 16141, Wiring Devices.
- C. Section 16160, Cabinets and Enclosures.
- D. Section 16180, Equipment Wiring Systems.

1.03 References

- A. ANSI/NEMA FB 1 – Fittings and Supports for Conduit and Cable Assemblies.
- B. ANSI/NEMA OS 1 – Sheet-steel Outlet Boxes, Device Boxes, Covers, and Box Supports.
- C. ANSI/NEMA OS 2 – Nonmetallic Outlet Boxes, Device Boxes, Covers and Box Supports.
- D. ANSI/NFPA 70 – National Electrical Code.
- E. NEMA 250 – Enclosures for Electrical Equipment (1000 Volts Maximum).

1.04 Project Record Documents

- A. Submit under provisions of Section 01720.
- B. Accurately record actual locations and mounting heights of outlet, pull, and junction boxes.

1.05 Regulatory Requirements

- A. Conform to requirements of ANSI/NFPA 70.
- B. Furnish products listed and classified by Underwriters Laboratories, Inc. as suitable for purpose specified and shown.

1.06 Project Conditions

- A. Verify field measurements as shown on Drawings.
- B. Verify locations of boxes and outlets in plant laboratory, offices and work areas prior to rough-in.
- C. Electrical boxes are shown on Drawings in approximate locations unless dimensioned. Install at location required for box to serve intended purpose. Include installation within 20 feet of location shown.

PART 2 – PRODUCTS

2.01 Outlet Boxes

- A. Sheet Metal Outlet Boxes: ANSI/NEMA OS 1, galvanized steel.
 - 1. Luminaire and Equipment Supporting Boxes: Rated for weight of equipment supported; include 1/2-inch or 3/4-inch male fixture studs where required.
 - 2. Only 4-inch square boxes with raised gang covers will be allowed.
- B. Cast Boxes: NEMA FB 1, Type FD, aluminum. Provide gasketed cover by box manufacturer. Provide threaded hubs as required.

2.02 Pull and Junction Boxes

- A. Sheet Metal Boxes: NEMA OS 1, galvanized steel.
- B. Surface-Mounted Cast Metal Box: NEMA 250, Type 3R; flat-flanged, surface-mounted junction box.
 - 1. Material: Cast aluminum.
 - 2. Cover: Furnish with ground flange, neoprene gasket, and stainless steel cover screws.
- C. In-Ground or Concrete Cast Metal Box: NEMA 250, Type 6, inside flanged, recessed cover box for flush mounting.
 - 1. Material: Galvanized cast iron.
 - 2. Cover: Nonskid cover with neoprene gasket and stainless steel cover screws.
 - 3. Cover Legend: ELECTRIC, COMM.

PART 3 – EXECUTION

3.01 Installation

- A. Install electrical boxes as shown on Drawings, and as required for splices, taps, wire pulling, equipment connections and compliance with regulatory requirements.
- B. Install electrical boxes to maintain headroom and to present neat mechanical appearance.

-
- C. Install pull boxes and junction boxes above accessible ceilings and in unfinished areas only.
 - D. Inaccessible Ceiling Areas: Install outlet and junction boxes no more than 6 inches (150 mm) from ceiling access panel or from removable recessed luminaire.
 - E. Install boxes to preserve fire resistance rating of partitions and other elements.
 - F. Align adjacent wall-mounted outlet boxes for switches, thermostats, and similar devices with each other.
 - G. Use flush mounting outlet boxes in finished areas with raised gang covers.
 - H. Do not install flush mounting boxes back-to-back in walls; provide minimum 6 inch (150 mm) separation. Provide minimum 24 inches (600 mm) separation in acoustic rated walls.
 - I. Secure flush mounting box to interior wall and partition studs. Accurately position to allow for surface finish thickness.
 - J. Use stamped steel bridges to fasten flush mounting outlet box between studs. Span between studs.
 - K. Install flush mounting box without damaging wall insulation or reducing its effectiveness.
 - L. Use adjustable steel channel fasteners for hung ceiling outlet box.
 - M. Do not fasten boxes to ceiling support wires.
 - N. Support boxes independently of conduit, except cast box that is connected to two rigid metal conduits both supported within 12 inches of box.
 - O. Use gang box where more than one device is mounted together. Do not use sectional box.
 - P. Use gang box with plaster ring for single device outlets.
 - Q. Use cast outlet box in exterior locations exposed to the weather and wet locations.
 - R. Large Pull Boxes: Boxes larger than 100 cubic inches (1600 cubic centimeters) in volume or 12 inches (300 mm) in any dimension.
 - 1. Interior Dry Locations: Use hinged enclosure under provisions of Section 16160.
 - 2. Other Locations: Use surface-mounted cast metal box.

3.02 Interface with Other Products

- A. Coordinate installation of outlet box for mechanical equipment furnished under Division 15.
- B. Locate flush mounting box in masonry wall to require cutting of masonry unit corner only. Coordinate masonry cutting to achieve neat opening. Use raised gang square covers.

-
- C. Coordinate mounting heights and locations of outlets mounted above counters, benches and backsplashes.
 - D. Position outlet boxes to locate luminaires as shown on drawings.

3.03 Adjusting

- A. Adjust flush-mounting outlets to make front flush with finished wall material. Maximum tolerance is 1/8-inch recess in finished wall.
- B. Install knockout closure in unused box opening.

****END OF SECTION****

SECTION 16140
WIRING DEVICES

PART 1 – GENERAL

1.01 Description

Furnish and install wiring devices as shown or noted on plans, including all required mounting hardware, etc.

PART 2 – PRODUCTS

2.01 Safety Switches

- A. Type: Horsepower rated, heavy-duty, single throw, three pole with visible blade and safety handle. Fused and/or unfused as specified elsewhere and/or designated on the Drawings and/or as required by NEC. Sized as required by NEC and/or as shown on the Drawings.
- B. Each switch shall have indented plastic phenolic sign (minimum 1/8-inch lettering) identifying load served with voltage and horsepower attached to switch with stainless steel screws.
- C. Enclosure: Painted Steel NEMA 3R for outdoor locations.
- D. Manufacturers:
 - 1. Square D Co.
 - 2. General Electric Co.
 - 3. Westinghouse.
 - 4. Or equal.

2.02 Receptacle

- A. Indoor Locations:
 - 1. Duplex grounding receptacle, two pole, three wire, 125 volt AC, 20 ampere, stainless steel cover plates. Products and Manufacturers:
 - a. Cat. #5362-CR, by Arrow-Hart Inc.
 - b. Cat. #53CM62, by Harvey Hubbell Inc.
 - c. Or equal.
 - 2. Single grounding receptacle, corrosion resistant, two pole, three wire, 125 volt AC, 20 ampere, stainless steel cover plates. Products and Manufacturers:
 - a. Cat. #5361-CR, by Arrow-Hart Inc.
 - b. Cat. #53CM61, by Harvey Hubbell Inc.
 - c. Or equal.

-
- B. Ground Fault Receptacle Where Designated on the Drawings:
 - 1. Type: UL listed, 20 ampere, 125 volt AC, sensitivity of 5 mA, three wires, and weather-proof cover plates.
 - 2. Manufacturer:
 - a. Hubbell, No. 6F-5362-GY with a 5221 cover plate.
 - b. Or equal.
 - C. Weatherproof Receptacle Where Designated on the Drawings: Type UL listed duplex grounding receptacle, corrosion resistant, two pole, three wire, 20 ampere, 125 volt AC, weather-proof cover plates.

2.03 Switches

- A. Indoor Non-Hazardous Locations:
 - 1. Single pole AC toggle switch, quiet type, 120/277 volt AC, 20 ampere, Brown, specification grade with stainless steel cover, screws and grounding terminal. Products and Manufacturers:
 - a. Cat. #20AC1 by Pass & Seymour, Inc
 - b. Cat. #CS 120 by Hubbell.
 - c. Or equal.
 - 2. Toggle switches of the three-way type shall be quiet type, 120/277 volt AC, 20 ampere, specification grade with stainless steel cover, screws and grounding terminal. Products and Manufacturers:
 - a. Cat. #20AC3 by Pass & Seymour, Inc.
 - b. #CS 320 by Hubbell.
 - c. Or equal.
 - 3. Toggle switches of the four-way type shall be of the same grade and manufacture as the single pole and three-way type.
 - 4. Toggle switches of the two-pole, single throw type shall be of the same grade and manufacturer as above.
- B. Horsepower-Rated Switches:
 - 1. Type: Toggle operated, horsepower rated with thermal overload protection.
 - 2. Enclosure: NEMA 1 for dry, indoor locations and NEMA 4 for outdoor and damp or wet indoor locations.
 - 3. Products and Manufacturers: Provide one of the following:
 - a. Type 609T by Allen-Bradley.
 - b. Class 2510 by Square D Co.
 - c. Or equal.

2.04 Fuses

- A. Type: Dual-element, current-limiting, UL Class RK5, 600 volts, unless otherwise noted or specified.
- B. Interrupting Capacities (UL Listed): 200,000 RMS amperes.

-
- C. Coordination:
 - 1. Coordinated for installation in existing and new equipment.
 - 2. Properly coordinated for size, type and rating as required for equipment and circuits to be protected.
 - D. Repair Parts: One replacement fuse for each and every fuse installed under this Contract.
 - E. Manufacturers: Provide products from one of the following:
 - 1. Bussman Division, McGraw Edison Company.
 - 2. Gould Inc., Circuit Protection Division.
 - 3. Or equal.

2.05 Photo Cell

Precision P-2275, Photo Cell Relay, Precision MR Series, Photo Cell Base, Precision M-4.

PART 3 – EXECUTION

3.01 Mounting

- A. Safety switches shall be mounted on structural frame with minimum of four points of attachment using stainless or galvanized steel hardware.
- B. Install one spare set of fuses inside fused switch enclosure attached to side.
- C. In non-hazardous locations, install wiring devices in outlet or device boxes.
- D. Mount wall switches four feet, zero inches above finished floor unless otherwise noted.

****END OF SECTION****

SECTION 16160

CABINETS AND ENCLOSURES

PART 1 – GENERAL

1.01 Description

- A. Hinged cover enclosures
- B. Cabinets
- C. Mounting panel
- D. Terminal blocks and accessories

1.02 References

- A. NEMA 250 – Enclosures for electrical equipment (1,000 volts maximum).
- B. ANSI/NEMA ICS 1 – Industrial control and systems.
- C. ANSI/NEMA ICS 4 – Terminal blocks for industrial control equipment and systems.
- D. ANSI/NEMA ICS 6 – Enclosures for industrial control equipment and systems.
- E. UL 50 – Enclosures.

1.03 Submittals

- A. Submit shop drawings and product data under provisions of Sections 16010 and 01340, Shop Drawings Submittal.
- B. Shop Drawings for Equipment and Enclosure Panels: Include wiring schematic diagram, wiring diagram, outline drawings and construction diagram as described in ANSI/NEMA ICS 1.

PART 2 – PRODUCTS

2.01 Hinged Cover Enclosures

- A. Construction: NEMA 250; Type 3, steel, for indoor, NEMA 3R for outdoor installation.
- B. Finish: Dark gray, rust inhibitor.
- C. Covers: Continuous hinge, held closed by hasp and staple for padlock.

2.02 Cabinets

- A. Construction:
 - 1. 14-gauge G-90 grade galvanized steel
 - 2. Drip shield top and seam-free sides, front and back
 - 3. 16-gauge galvanized steel continuous hinge with stainless steel pin
 - 4. Cover fasteners with captive plated steel screws
 - 5. Hasp and staple for padlocking
 - 6. Knockouts in bottom
 - 7. Collar studs with back mounting panel
 - 8. Dark gray epoxy finish.
 - 9. Corrosion inhibitors
 - 10. Electric heater with thermostat where located outdoors
 - 11. Size: Verify size required with equipment to be housed or as noted on drawings.
- B. Manufacturer and Catalog No.: Hoffman Cat. No. scheduled with back panel or approved equal.

2.03 Terminal Blocks and Accessories

- A. Terminal Blocks: ANSI/NEMA ICS 4; UL listed.
- B. Power Terminals: Unit construction type, closed-back type, with tubular pressure screw connectors, rated 600 volts.
- C. Signal and control Terminals: Modular construction type, channel mounted; tubular pressure screw connectors, rated 300 volts.

PART 3 – EXECUTION

3.01 Installation

- A. Install cabinets and enclosures plumb; anchor securely to structural supports at each corner with galvanized bolts, nuts and Belleville washers.
- B. Install trim plumb.

****END OF SECTION****

SECTION 16170

GROUNDING AND BONDING SYSTEMS

PART 1 – GENERAL

1.01 Description

- A. Power system grounding.
- B. Electrical equipment and raceway grounding and bonding.
- C. Building ground grids.

1.02 System Description

- A. Ground the electrical service system neutral at service entrance equipment to grounding electrode.
- B. Bond together system neutrals, service equipment enclosures, exposed non-current carrying metal parts of electrical equipment, metal raceway systems, grounding conductor in raceways and cables, receptacle ground and connectors.

1.03 Submittals

- A. Submit maintenance and grid layout data and shop drawings under provisions of Sections 16010 and 01340.
- B. Indicate location of system grounding electrode connections and routing of grounding electrode conductor.

PART 2 – PRODUCTS

2.01 Materials

- A. Ground Rods: Copper-encased steel, 5/8-inch diameter, minimum length 10 feet.
- B. Ground Electrode Conductor: Size as noted on drawings with THHN-THWN insulation.
- C. Exothermic welds shall be as scheduled on the drawings.

PART 3 – EXECUTION

3.01 Installation

- A. Provide a separate, insulated equipment grounding conductor in branch circuits. Terminate each end on a grounding lug, bus or bushing.

-
- B. Connect grounding electrode conductors to ground electrode by exothermic weld using cable to rod connection.
 - C. Grounding Electrode: Use driven ground rod as shown on plans.
 - D. Use minimum #6 AWG copper conductor for communications service grounding conductor. Leave six feet (3 m) slack conductor at terminal cabinet or backboard.
 - E. Provide grounding and bonding at utility company's metering equipment.
 - F. Refer to drawings for schedule of exothermic connections.

3.02 Field Quality Control

- A. Inspect grounding and bonding system conductors and connections for tightness and proper installation.
- B. Measure ground resistance from system neutral connection at service entrance to convenient ground reference point using suitable ground testing equipment. Resistance shall not exceed 5 ohms. Where resistance exceeds 5 ohms, additional ground rods shall be driven. Top of all rods shall be minimum of 2'-0" below finish grade elevation.

****END OF SECTION****

SECTION 16180
EQUIPMENT WIRING SYSTEMS

PART 1 – GENERAL

1.01 Description

Make all final electrical connections to all equipment shown on drawings or required for a complete and operable system.

All final electrical connections shall be made in strict compliance with NPFA-70 National Electrical Code, latest edition.

1.02 Related Sections

- A. Section 16010, General Provisions.
- B. Section 16020, Codes and Standards.
- C. Section 16111, Conduit and Fittings.
- D. Section 16120, Wire and Cable.
- E. Section 16130, Boxes.
- F. Section 16170, Grounding and Bonding Systems.

1.03 Project Record Documents

Submit documents in accordance with provisions of Section 01720.

PART 2 – PRODUCTS

Products are listed under related sections of the specifications.

PART 3 – EXECUTION

3.01 Instructions

- A. Shall be installed in conduit where and as shown on the drawings and in accordance with drawings and specifications.
- B. Power connections shall be as follows:
 - 1. Run all conduits and wiring for all control systems specified on this project.
 - 2. Run circuits from Panel boards to all equipment and make final electrical connections.

****END OF SECTION****

SECTION 16190
SUPPORTING DEVICES

PART 1 – GENERAL

1.01 Description

- A. Conduit and equipment supports.
- B. Fastening hardware.

1.02 Related Work

Refer to Sections 03200, 03250, 03300 and 03600.

1.03 Coordination

Coordinate size, shape and location of concrete pads with details on drawings and manufacturer's recommendations.

1.04 Quality Assurance

Support systems shall be adequate for weight of equipment and conduit, including wiring, which they carry.

PART 2 – PRODUCTS

2.01 Material

- A. Support Channel: Galvanized.
- B. Hardware: Corrosion-resistant.

PART 3 – EXECUTION

3.01 Installation

- A. Fasten hanger rods, conduit clamps and outlet and junction boxes to structure using stainless steel screws and galvanized bolts, nuts and Bellville washers. Do not use spring steel clips and clamps.
- B. Do not fasten supports to conduit.
- C. Fabricate supports from steel angle and steel channel, rigidly welded or bolted to present a neat appearance. Use hexagon head bolts with Bellville washers under all nuts.

****END OF SECTION****

SECTION 16195

ELECTRICAL IDENTIFICATION

PART 1 – GENERAL

1.01 Description

- A. Nameplates.
- B. Wire and cable markers.

1.02 Related Work

Section 16010, General Requirements.

1.03 Submittals

- A. Submit shop drawings under provisions of Sections 16010 and 01340.
- B. Include schedule for nameplates.

PART 2 – PRODUCTS

2.01 Materials

- A. Nameplates: Engraved three-layer laminated plastic, white letters on a black background.
- B. Wire and Cable Markers: Cloth markers, split sleeve or tubing type.

PART 3 – EXECUTION

3.01 Installation

- A. Degrease and clean surfaces to receive nameplates.
- B. Install nameplates parallel to equipment lines.
- C. Secure nameplates to equipment fronts and panels using stainless steel screws.

3.02 Wire Identification

Provide wire markers on each conductor in enclosures and at load connection. Identify with branch circuit number for power circuits and with control wire number as indicated on equipment manufacturer's shop drawings for control wiring.

3.03 Nameplate Engraving Schedule

Provide nameplates to identify all electrical distribution and control equipment and loads served. Letter Height: 1/8 inch (3 mm) for individual switches and loads served and 1/4 inch (6 mm) for control equipment panel identification unless noted otherwise.

****END OF SECTION****

SECTION 16402

UNDERGROUND ELECTRICAL SERVICE

PART 1 - GENERAL

1.01 Description

Underground secondary service.

1.02 Related Sections

- A. Section 16010, General Requirements.
- B. Section 16111, Conduit and Fittings.

1.03 System Description

This section defines the method and manner by which the underground service shall be installed.

1.04 Project Record Documents

- A. Submit documents under provisions of Section 16020.
- B. Accurately record all underground electrical service routing, showing dimensions from curbs, buildings, etc.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.01 Trenching and Backfilling

Refer to Section 16010.

3.02 Laying Conduit

- A. Make bends with sweeps of not less than 48-inch radius or 5° angle couplings.
- B. Make a transition from non-metallic duct to rigid steel conduit ten feet from where duct banks enter structures, other than manholes or turn upward for continuation above grade.
- C. Install a warning ribbon approximately 18-inches below finished grade over all underground conduit carrying cables of 120 volts and higher. The identifying ribbon shall be a polyvinyl chloride tape, 3-inches wide, yellow color, permanently imprinted with "CAUTION BURIED

ELECTRIC LINE BELOW" in black letters.

*** * END OF SECTION * ***

SECTION 16470

LIGHTING AND POWER PANELBOARDS

PART 1 – GENERAL

1.01 Description

Lighting and power panelboards.

1.02 Related Sections

- A. Section 16010, General Provisions.
- B. Section 16170, Grounding and Bonding Systems.
- C. Section 16195, Electrical Identification.

1.03 Submittals

- A. Submit under provisions of Section 01340.
- B. Submit manufacturer's data indicating bussing, enclosure, circuit numbering, sizes, etc.

PART 2 – PRODUCTS

2.01 Panelboards

- A. Shall be dead-front construction with solderless pressure terminals.
- B. Main and neutral busses shall be of capacity scheduled on drawings. Bussing shall be tin-plated, copper-based on maximum current density in accordance with UL Standard 891.
- C. Complete typewritten directory with transparent plastic cover inside of door. All panels shall be identified as they are designated on the drawings by 3/4-inch plastic phenolic sign with 1/4-inch indented letters on front face of panel attached with minimum of two (2) screws.
- D. Trim and door with lock and catch with two (2) keys. Keys shall be common to all panelboards.
- E. Circuit Breakers:
 - 1. Circuit breakers shall be quickmake and quickbreak on manual or automatic operation, with minimum interrupting capacity of 10,000 amps RMS symmetrical.
 - 2. Breakers shall be trip-free. Each breaker shall have trip indication independent of the ON or OFF positions.
 - 3. All breakers shall be UL listed and meet NEMA Standards Publication No. AB1 and

Federal Specification No. WOCO375a and any amendments to the above where applicable.

4. All breakers shall be calibrated for operation in an ambient temperature of 40E C.
5. All two- and three-pole breakers shall be common trip.
6. Automatic operation of the circuit breaker shall be obtained by means of thermal and/or magnetic tripping devices located in each pole. Thermal devices shall provide the time-delay tripping on overloads and the magnetic device shall provide instantaneous tripping on short circuits.
7. All breakers shall be bolt-on type.

PART 3 – EXECUTION

3.01 Installation

- A. Panels shall be securely mounted with through bolts, anchors or other approved means.
- B. Mount all panelboards with top breaker handle not more than 6'-6" above finish floor.
- C. Connect the phase wires of three (and/or four) wire home runs to breakers connected to separate phase busses of the panelboard. Panelboard circuits shall be numbers in sequence vertically and all circuits shall appear in the panel exactly as they are shown on the drawings. All branch circuit neutral connections shall be identified by adhesive number tags to identify with their branch circuit phase conductors where neutral connections connect to the panel neutral bus.
- D. Neutrals and equipment ground conductors shall not be connected together in any panel beyond service entrance main.
- E. No two ungrounded conductors shall be connected to the same circuit breaker terminal.
- F. There shall be no splicing of conductors in panelboards.
- G. Panelboards shall be as scheduled on the drawings and as manufactured by Square D Company, Type NQOD, or approved equal.

****END OF SECTION****

SECTION 16501

LAMPS

PART 1 – GENERAL

1.01 Description

Lighting fixture lamps.

1.02 Related Sections

- A. Section 16010, General Provisions.
- B. Section 16510, Entrance Way Exterior Lighting System.
- C. Section 16510, Interior and Building Exterior Lighting.

1.03 Submittals

- A. Submit under provisions of Section 01340.
- B. Submit manufacturer's data sheets showing manufacturer, wattage, type, lumens and general characteristics of each type lamp.

PART 2 – PRODUCTS

2.01 Lamps

- A. Lamps shall be of the proper size and type as noted in the fixture schedule for each type fixture.
- B. Incandescent lamps shall be inside frosted, 120 volts, as manufactured by General Electric, Sylvania or approved equal.
- C. Fluorescent lamps shall be rapid start, energy savings as manufactured by General Electric, Sylvania or approved equal.
- D. High pressure sodium lamps shall be clear, universal burn as manufactured by General Electric, Sylvania or approved equal.
- E. Metal halide lamps shall be base up to horizontal burn position. They shall be Metalarc/C lamps as manufactured by Sylvania or approved equal.

PART 3 – EXECUTION – NOT USED.

****END OF SECTION****

SECTION 16510

INTERIOR AND EXTERIOR LIGHTING SYSTEM

PART 1 - GENERAL

1.01 Description

Interior and exterior building lighting fixtures and accessories.

1.02 Related Sections

- A. Section 16010, General Requirements.
- B. Section 16120, Wire and Cable.
- C. Section 16130, Boxes.
- D. Section 16170, Grounding and Bonding Systems.
- E. Section 16190, Supporting Devices.
- F. Section 16501, Lamps.

1.03 Submittals

- A. Submit under provisions of Section 01340.
- B. Submit manufacturer's data showing construction, lens, paint finishes, metal gauge, dimensions, etc.

PART 2 - PRODUCTS

2.01 Fixtures

- A. Fixtures shall be completely factory prewired. Should internal wiring be required, use #14 Type AF wire.
- B. Fixtures shall be as scheduled in the lighting fixture schedule shown on the drawings. Fixtures shall be by manufacturer and catalog number or approved equal.
- C. Ballast shall be of the proper size and type for the fixtures. Ballast in fluorescent fixtures shall be high power factor, ETL approved and CBM certified, rapid start, low heat type. Ballast shall be Class "P" rated equipped with an approved internal thermal protective device responsive to ballast temperature which shall open the circuit before damage occurs to ballast.

PART 3 - EXECUTION

3.01 Supports

All fixtures shall have the necessary studs, straps, fittings, etc., in accordance with manufacturer's installation recommendations, for a complete and safe installation to the proper mounting height required by job conditions. Minimum gauge wire shall be 12-gauge steel. Provide all auxiliary framing required to anchor fixtures to metal building structure.

**** END OF SECTION ****

SECTION 16520

FIELD LIGHTING SYSTEM

PART 1 – GENERAL

1.01 Description

A. Instructions

1. The fields shall be lighted with 1500-watt metal halide fixtures on prestressed spun concrete poles.
2. Lighting levels shall be as given below and are average maintained values assuming yearly cleaning of fixtures and a LLF of .8, and 1500 lamp burning hours.
Soccer Fields – 30 FC
Levels shall have average to minimum ratios not to exceed 1.3 for the soccer fields.
3. The quantities indicated on the drawings shall be minimum required. If successful manufacturer determines additional fixtures are required to meet criteria, the fixtures will be furnished including all mounting and electrical service necessary.
4. Manufacturer shall supply with shop drawings a complete field layout with aiming diagram and FC plot.
5. Fixtures to be GE Power Spot III or equal with MVR 1500/HBU lamp 16,500 lumens initial and 140,000 lumens mean double fuse and mounting accessories for relamping case furnished. Fixture to be complete with lamp and provisions for liquid tight conduit entry.
6. Concrete poles to be round tapered, designed to withstand 125-mph basic wind speed (3-second gust). Pole height to be as required to establish minimum fixture mounting height. Manufacturer to be approved by Engineer. Poles to have manufacturer-furnished wiring hubs and mounting screw holes for equipment shown on the drawings. The poles shall comply with ASTM C 1089 and AASHTO M 288, 2009.
7. After final installation, a footcandle plot shall be made by Contractor using approved meter. This plot to be given to Engineer. After Engineer determines all is ready, a final check shall be made by Engineer to verify all values.
8. Final aiming may be required to be done with Engineer present and may occur at night. Contractor shall include these costs in his bid.
9. All components of the poles, including cross arms and fixtures, shall be rated for 125-mph basic wind speed (3-second gust).
10. Cross arms shall be tubular steel.
11. The lighting control panel shall contain the following items for operation of the field lighting:
 - One ball field lighting control module model LCM-REVI-820 by BH Electric.
 - Two push buttons in a separate NEMA 3R enclosure.
 - Two HOA switched on dead front panel in enclosure for manual operation of lights.
 - Four contactors.
 - One NEMA 3R enclosure mounted on structure control relays as required.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

END OF SECTION

TATUM PARK - SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI
FORREST COUNTY

MAYOR

TOBY BARKER

CHIEF ADMINISTRATIVE OFFICER

ANN JONES

ENGINEERING DIRECTOR

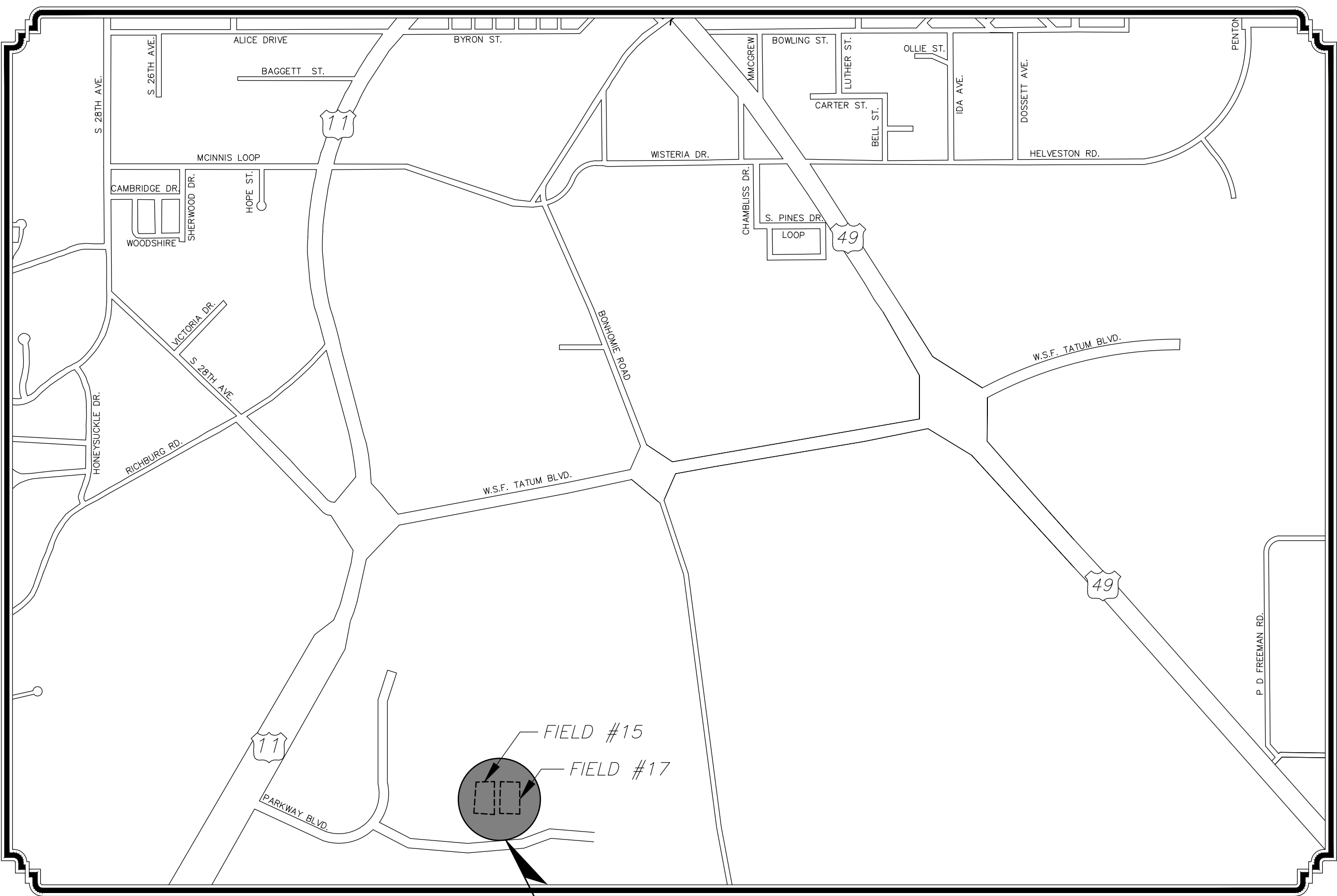
LAMAR RUTLAND, P.E.

COUNCIL MEMBERS

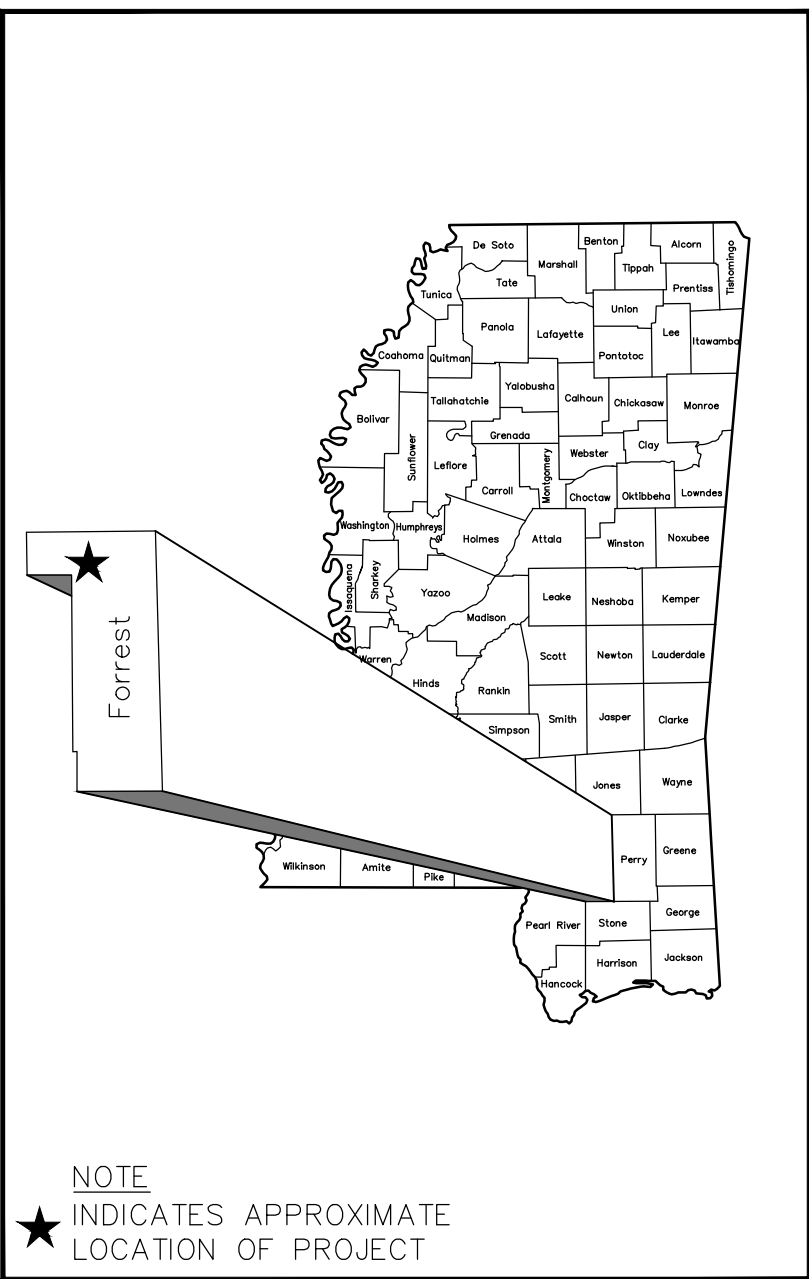
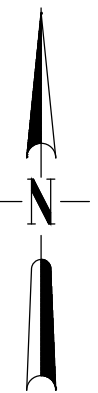
JEFFREY GEORGE	WARD 1
DEBORAH D. DELGADO	WARD 2
CARTER CARROLL	WARD 3
MARY DRYDEN	WARD 4
NICHOLAS BROWN	WARD 5

UTILITIES

CITY OF HATTIESBURG
MISSISSIPPI POWER
AT&T
WILLMUT GAS
C-SPIRE

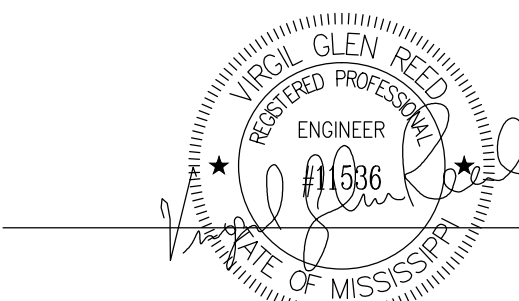


PROJECT LOCATION
VICINITY MAP
PROJECT LOCATION



NOTE
★ INDICATES APPROXIMATE
LOCATION OF PROJECT

PREPARED BY :
NEEL-SCHAFER
Solutions you can build upon



DATE : 11-29-17

VIRGIL GLEN REED, P.E.
MISSISSIPPI LICENSE NO. 11536

11/29/2017 9:35 AM J:\projects\offices\8667\000 hattiesburg - tatum soccer field lighting - fields 15 and 17\dwg\8667_indx.dwg

DESCRIPTION OF SHEET	SHT. NO.
TITLE SHEET (1)	1
DETAILED INDEX & GENERAL NOTES (1)	
DETAILED INDEX AND GENERAL NOTES	2
PLAN SHEETS (1)	
ELECTRICAL SITE PLAN	3
DETAIL SHEETS (4)	
ELECTRICAL DETAILS I	4
ELECTRICAL DETAILS II	5
ELECTRICAL DETAILS III	6
ELECTRICAL DETAILS IV	7
TOTAL SHEETS	7

GENERAL NOTES

1.

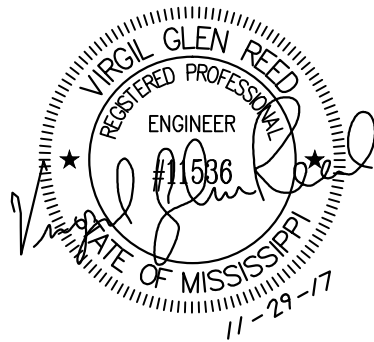
CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE SITE THAT IS FOUND TO EXIST PRIOR TO OR IS GENERATED AS A RESULT OF PROJECT CONSTRUCTION.
2.

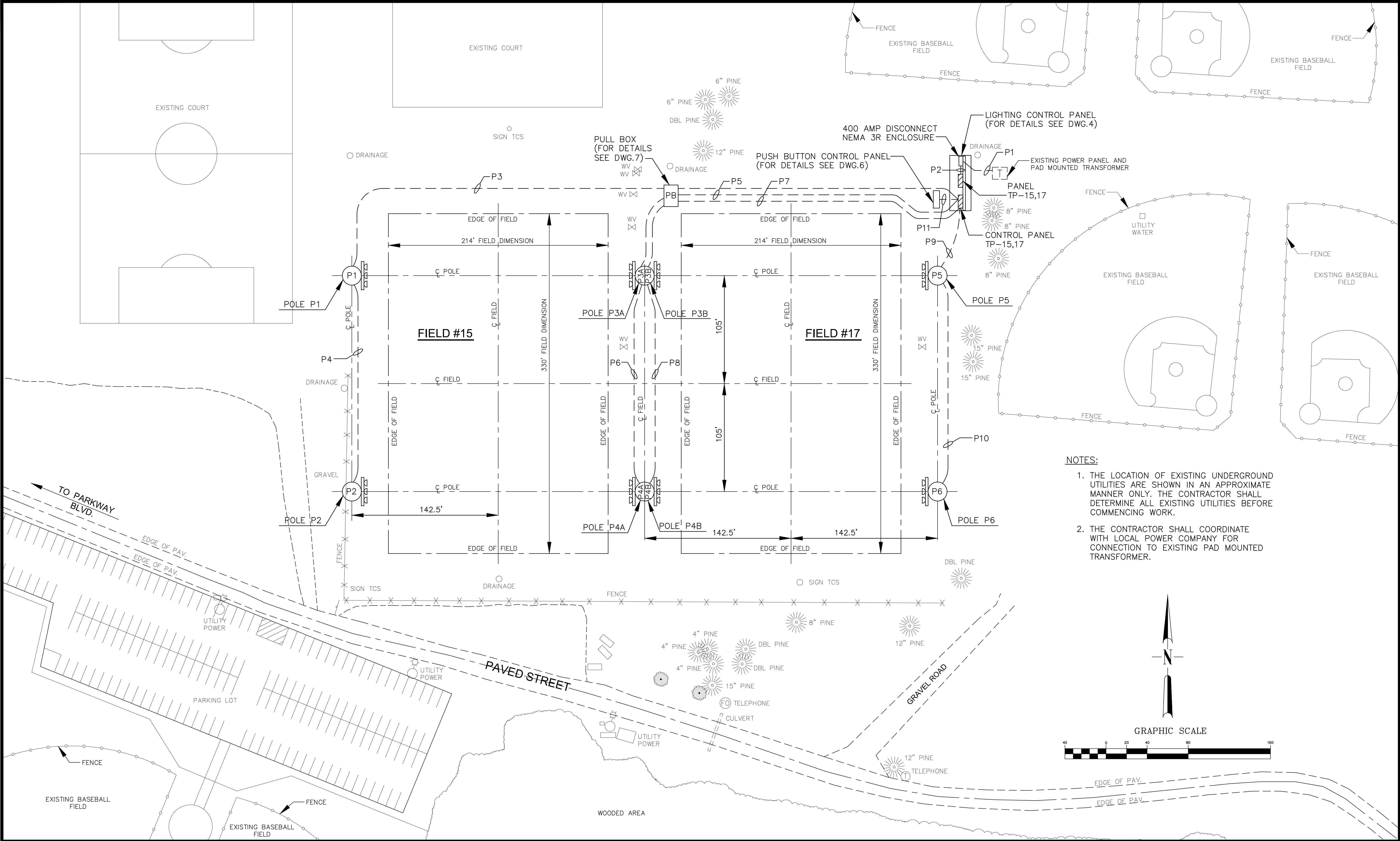
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES THAT OCCUR TO EXISTING STRUCTURES. THE CONTRACTOR SHALL FIX OR REPLACE DAMAGED ITEMS TO AN EQUAL OR BETTER CONDITION AT NO ADDITIONAL EXPENSE TO THE CITY OF HATTIESBURG.
3.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, BRIDGES, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
4.

EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CAN NOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.
5.

THE EXISTING PLAYING FIELDS FOR FIELDS 15 AND 17 SHALL BE PROTECTED FROM DAMAGE FROM ANY EQUIPMENT SUCH AS TRENCHERS AND TRUCKS.

NOTICE TO DRAWING HOLDER NEEL-SCHAFER, INC., HEREINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.	REVISIONS			DRAWING INFORMATION		TATUM PARK - SOCCER FIELDS 15 & 17 LIGHTING			DETAIL INDEX AND GENERAL NOTES	
	NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 8667-000-000				WORKING NUMBER:	DRAWING NUMBER:
					FILENAME: 8667_indx.dwg					
					SCALE: N.T.S.					
					SURVEYED BY:		CITY OF HATTIESBURG HATTIESBURG, MISSISSIPPI FORREST COUNTY			2
					DSGN: VGR	DATE: 10/2017				
					DRWN: JEM	DATE: 10/2017				
					CHKD:	DATE:				
					QA/QC:	DATE:				



NOTES:

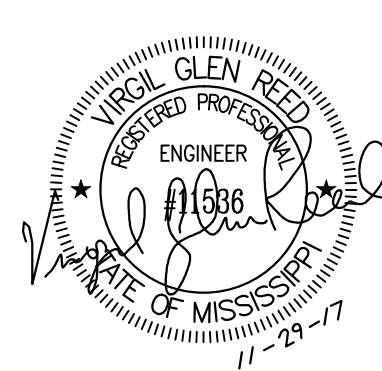
1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY. THE CONTRACTOR SHALL DETERMINE ALL EXISTING UTILITIES BEFORE COMMENCING WORK.
2. THE CONTRACTOR SHALL COORDINATE WITH LOCAL POWER COMPANY FOR CONNECTION TO EXISTING PAD MOUNTED TRANSFORMER.

NOTICE TO DRAWING HOLDER
NEEL-SCHAFFER, INC., HERINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.

REVISIONS			DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	
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				FILENAME: 8667-Elec-Siteplan.dwg
				SCALE: 1"=40'
				SURVEYED BY:
				DSGN: VGR DATE: 10/2017
				DRWN: JEM DATE: 10/2017
				CHKD: DATE:
				QA/QC: DATE:

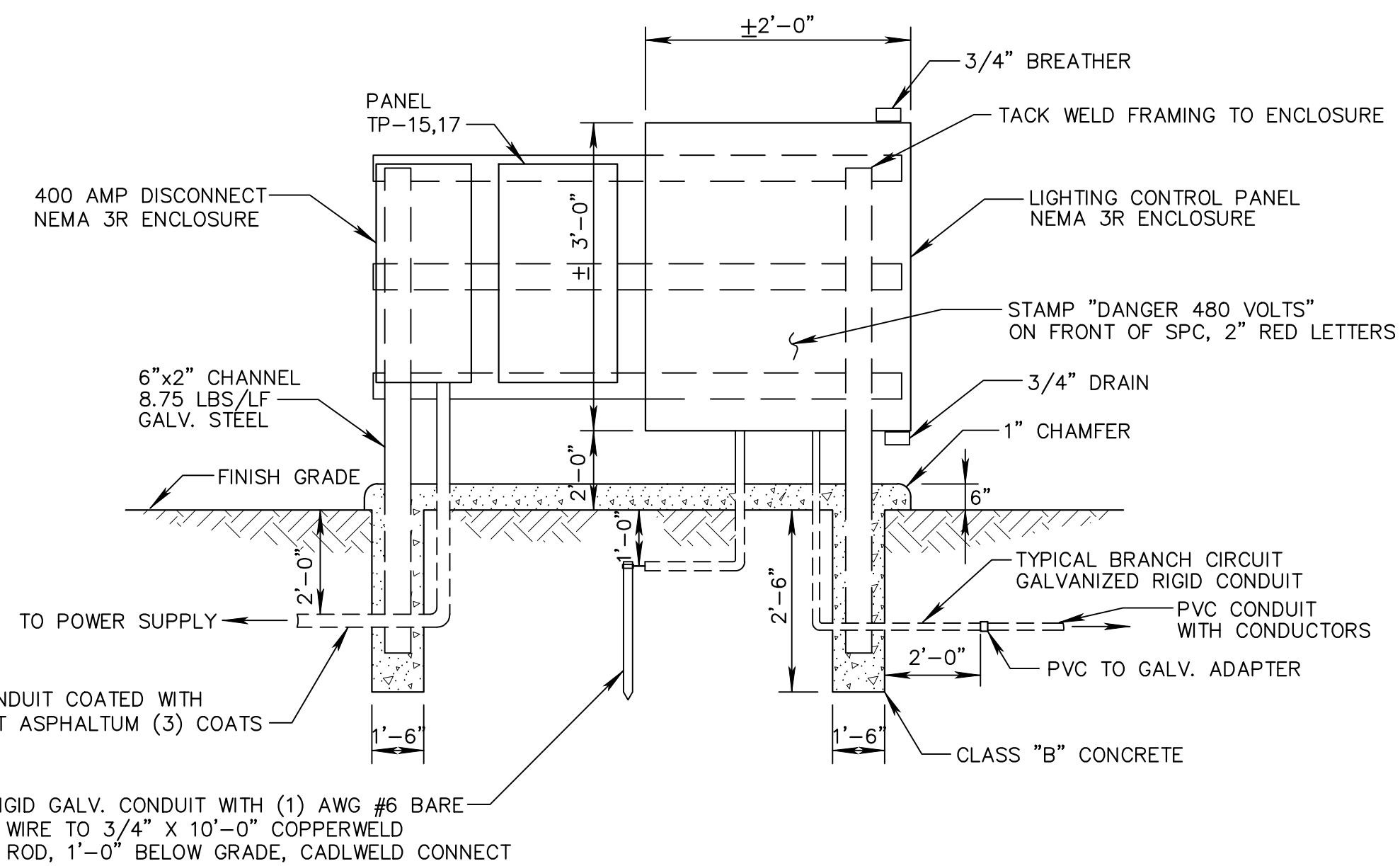
TATUM PARK - SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI
FORREST COUNTY



ELECTRICAL SITE PLAN

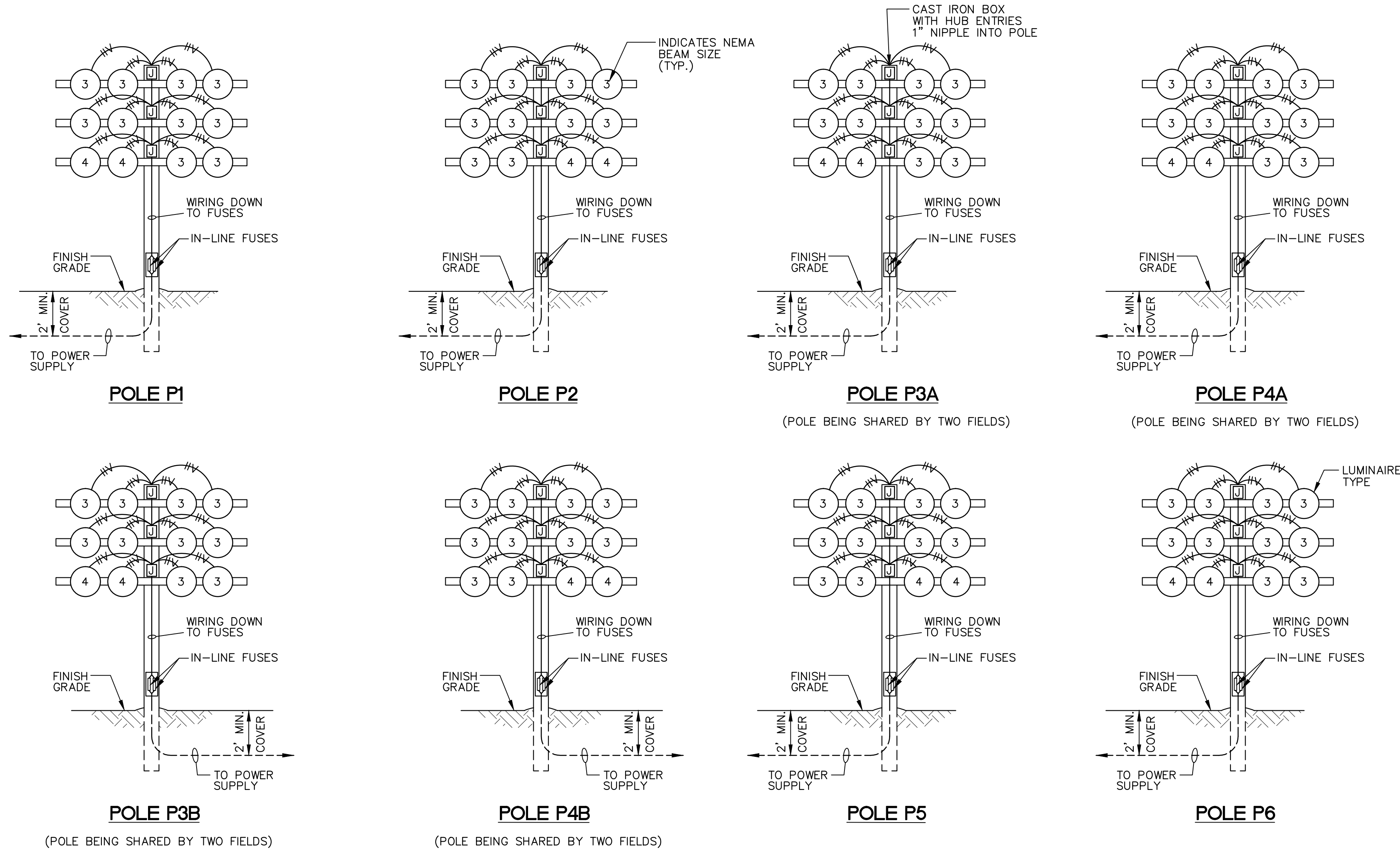
WORKING NUMBER:	DRAWING NUMBER:
	3



PANEL TP-15,17 SCHEDULE

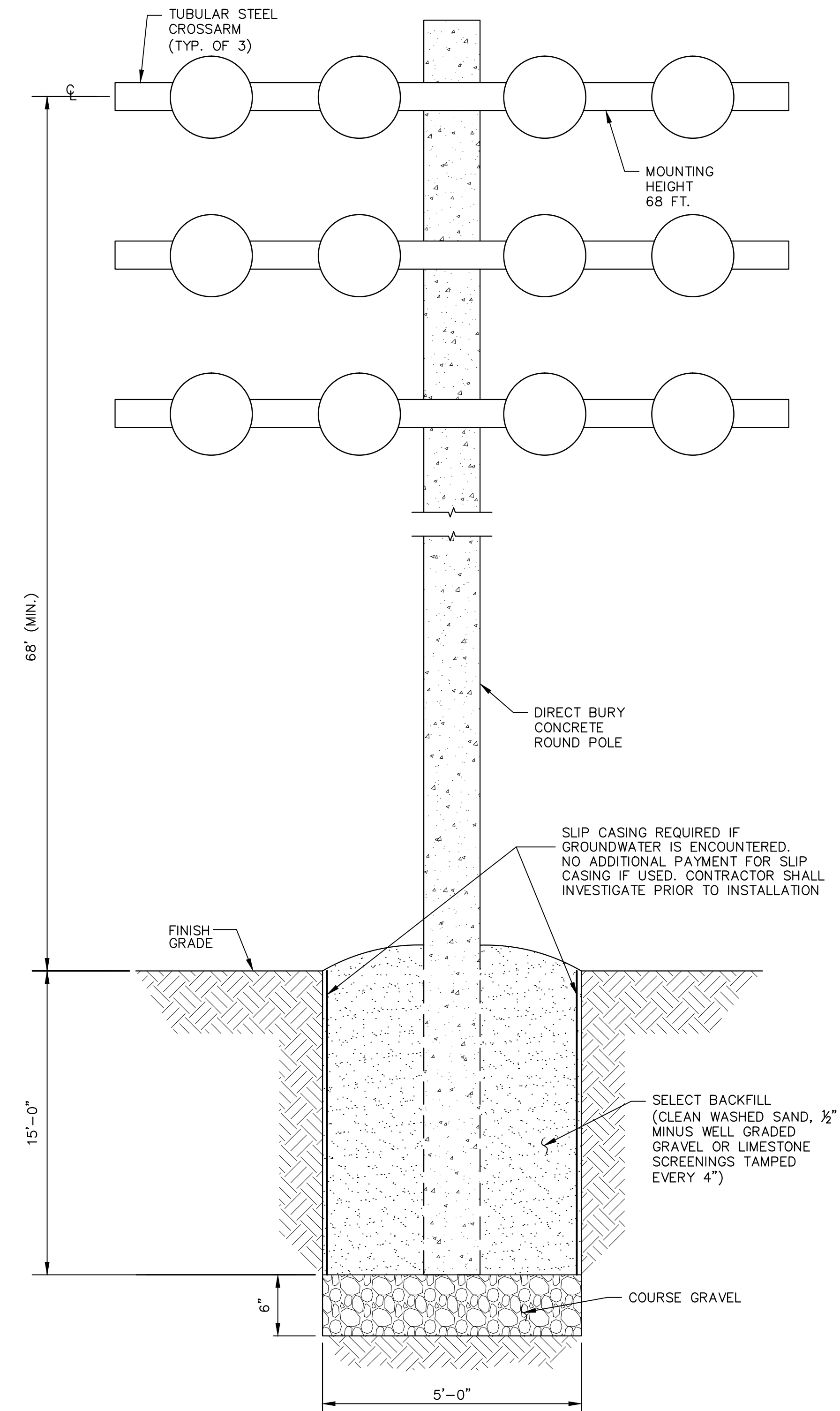
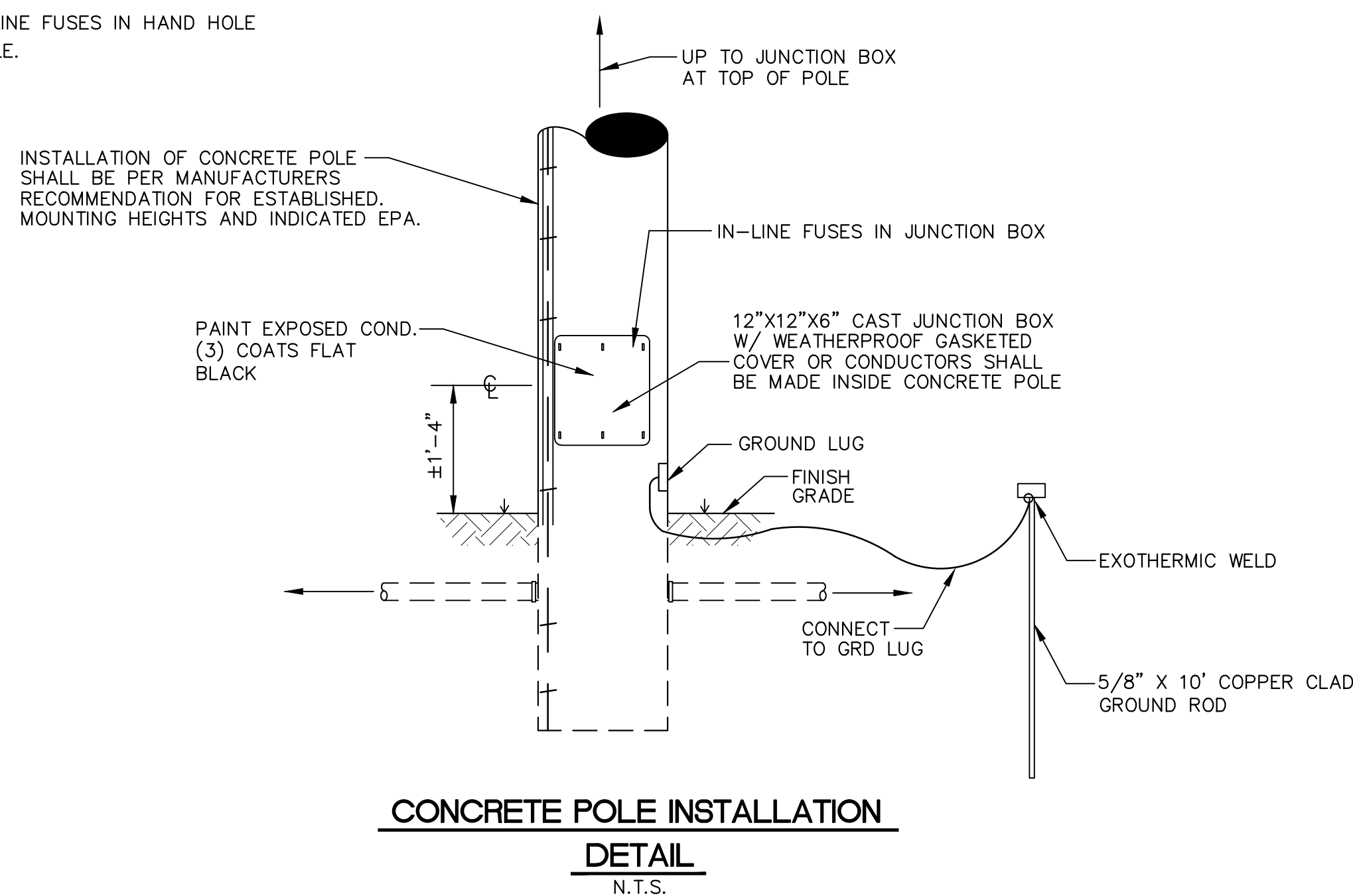
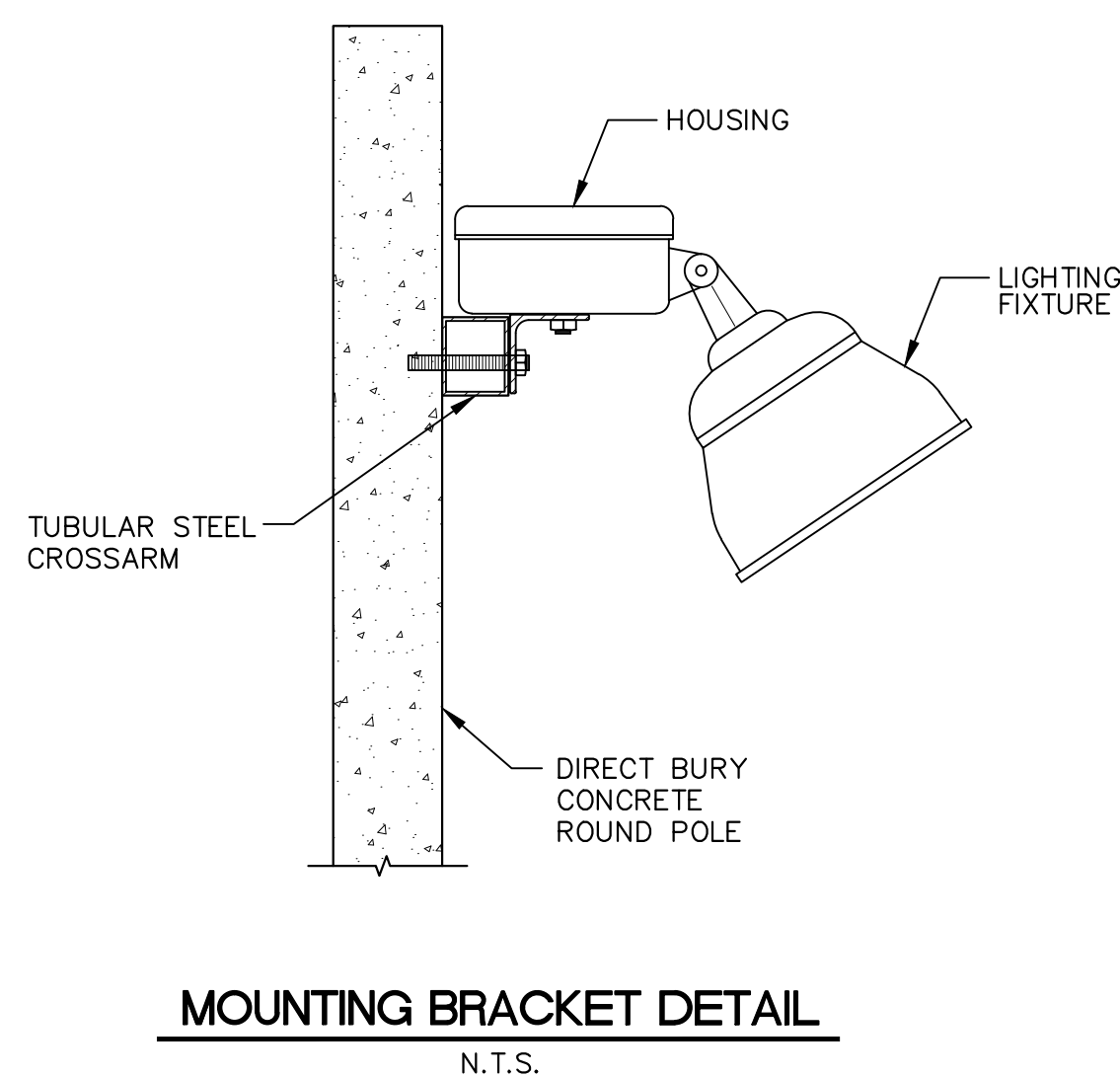
The diagram illustrates the wiring for the LCM-REV1-820 Lighting Control Module. The module is connected to a 277 VAC power source and a control power source. It controls four 100 AMP CONTACTORS, which are wired to FIELD 15 EAST SIDE LIGHTS, FIELD 15 WEST SIDE LIGHTS, FIELD 17 EAST SIDE LIGHTS, and FIELD 17 WEST SIDE LIGHTS. The module is also connected to a NEMA 3R ENCLOSURE with PUSH BUTTONS for FIELD 15 and FIELD 17.

—



FIELDS #15 AND 17
N.T.S.

- NOTES:
1. ALL LIGHTS SHALL HAVE MINIMUM MOUNTING HEIGHT OF 68 FEET.
 2. INSTALL IN-LINE FUSES IN HAND HOLE OF EACH POLE.



11/29/2017 10:00 AM \\projects\cadd\8667\000 hattiesburg - tatum soccer field lighting - tatum soccer field lighting - fields 15 and 17.dwg 8667-000 hattiesburg - tatum soccer field lighting - fields 15 and 17.dwg 8667-000 hattiesburg - tatum soccer field lighting - fields 15 and 17.dwg

REVISIONS				DRAWING INFORMATION	
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				FILENAME: 8667-Elec-Detail-2.dwg	
				SCALE: N.T.S.	
				SURVEYED BY:	
				DSGN: VGR	DATE: 10/2017
				DRWN: JEM	DATE: 10/2017
				CHKD:	DATE:
				QA/QC:	DATE:

TATUM PARK - SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI
FORREST COUNTY

ELECTRICAL DETAILS II

WORKING NUMBER:	DRAWING NUMBER:
	5



11/29/2017 10:15 AM } projects\codfiles\8667.000 hattiesburg - totum soccer field lighting - fields 15 and 17\dwg\8667-elec-detail-3.dwg

ELECTRICAL PLAN SYMBOLS LEGEND	
	POWER SUPPLY PANEL
	BRANCH CIRCUIT CONCEALED IN WALL OR UNDERGROUND
	BRANCH CIRCUIT CONCEALED IN FLOOR
	BRANCH CIRCUIT EXPOSED
	HOME RUN TO PANEL; THREE CONDUCTORS PLUS GRD.
	HOME RUN TO PANEL; 2 CIRCUITS IN ONE RACEWAY
	S SINGLE POLE TOGGLE SWITCH
	S ₂ DOUBLE POLE TOGGLE SWITCH
	S ₃ THREE WAY SWITCH
	S ₄ FOUR WAY SWITCH
	S _p SINGLE POLE TOGGLE SWITCH WITH PILOT LIGHT
	NON-FUSED DISCONNECT SWITCH
	SIMPLEX CONVENIENCE OUTLET
	$\ominus$ -36" DUPLEX CONVENIENCE OUTLET (# = INCHES ABOVE FLOOR)
	$\ominus$ -GFI CONV. OUTLET W/ GROUND FAULT INTERRUPTER
	$\ominus$ WP GFI WEATHERPROOF CONV. OUTLET W/ G.F.I.
	$\ominus$ /A-1 LIGHTING FIXTURE, CEILING MOUNTED/WALL MOUNTED
	 FLUORESCENT LIGHTING FIXTURE
	 MOTOR (H.P.)
	 THERMOSTAT
	P/C PHOTOCELL
	 NEMA 6-30R RECEPTACLE
	SB SCOREBOARD
	PB PULL BOX
	T EXISTING PAD MOUNTED TRANSFORMER
	P1 INDICATES POLE LOCATION AND FIXTURES TO ONE SIDE
	P180 INDICATES POLE LOCATION AND FIXTURES FACING 180° (POLE BEING SHARED BY TWO FIELDS)
	LCP LIGHTING CONTROL PANEL
	J JUNCTION BOX



PVC INSTALLATION

N.T.S.



CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI
FORREST COUNTY



—

ADVERTISEMENT FOR BIDS

TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG, MISSISSIPPI

Sealed bids will be received by the City of Hattiesburg, Mississippi, hereafter referred to as Owner, at the City Clerk's office, located at 200 Forrest Street, Hattiesburg, Mississippi, 39401, until 10:00 A.M., Local Time, Thursday, January 25, 2018 for supplying all labor, equipment, and materials (as specified) necessary for the construction of the above referenced project. Work consists of installing lights on soccer fields 15 & 17 at Tatum Park.

The above general outline of features of the work does not in any way limit the responsibility of the Contractor to perform all work and furnish all labor, equipment and materials required by the specifications and the drawings referred to therein.

Bidder must be qualified under Mississippi Law and show current Certificate of Responsibility issued by the Mississippi State Board of Public Contractors establishing his classification as to the value and type of construction on which he is authorized to bid.

Each Bidder shall write his Certificate of Responsibility Number on the outside of the sealed envelope containing his proposal.

Proposals shall be submitted in duplicate, sealed and deposited with the Owner prior to the hour and date hereinbefore designated. No bidder may withdraw his bid within 90 days after the actual date of the opening thereof.

Awarding public contracts to non-resident Bidders will be on the same basis as the non-resident bidder's state awards contracts to Mississippi Contractors bidding under similar circumstances. In order to ensure that Mississippi's so-called Golden Rule is followed state law requires a non-resident bidder is to attach to his bid a copy of his resident state's current laws pertaining to such state's treatment of non-resident contractors.

Each Bidder must deposit with his proposal, a Bid Bond or Certified Check in an amount equal to five percent of his bid, payable to the Owner, as bid security. Bidders shall also submit a current financial statement, if requested, by the Owner. The successful bidder will be required to furnish a Payment Bond and Performance Bond each in the amount of 100 percent of the contract amount.

Bid documents are being made available via paper copy. Plan holders are required to log-in or register for an account at www.neel-schafferplans.com to view and order Bid Documents. All plan holders are required to have a valid email address for registration. Bid documents are non-refundable and must be purchased through the website. Questions regarding website registration and online orders please contact Plan House Printing at (601) 336-6378.

"Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition" as referred to herein, may be purchased from the Mississippi Department of Transportation.

The Owner hereby notifies all Bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged and women's business enterprises will be afforded the full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

The Engineer is Neel-Schaffer, Inc., 704 Hardy Street, Hattiesburg, Mississippi 39401; Phone No. (601) 545-1565, Fax No. (601)-545-2267. Geoffrey P. Crosby, P.E. – Senior Project Manager.

The Owner reserves the right to reject any and all bids and to waive any informalities or irregularities therein.

BY: _____
City Clerk
City of Hattiesburg, Mississippi

DATES OF PUBLICATION:

December 27, 2017

January 3, 2018

ADVERTISEMENT FOR BIDS

TATUM PARK – SOCCER FIELDS 15 & 17 LIGHTING

CITY OF HATTIESBURG, MISSISSIPPI

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The Engineer is Neel-Schaffer, Inc., 704 Hardy Street, Hattiesburg, Mississippi 39401; Phone No. (601) 545-1565, Fax No. (601)-545-2267. Geoffrey P. Crosby, P.E. – Senior Project Manager.

The Owner reserves the right to reject any and all bids and to waive any informalities or irregularities therein.

BY: 

City Clerk

City of Hattiesburg, Mississippi

DATES OF PUBLICATION:

December 27, 2017

January 3, 2018



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-922

File ID: 2017-922

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 12/11/2017

Brief Title: Approve plans and specifications for the Sullivan Park Pavilion Project and authorize advertisement for bid for same.

Final Action:

Minute Book Number: MB2017-487

Title:

Approve plans and specifications for the Sullivan Park Pavilion Project and authorize advertisement for bid for same.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: VI.-7

Sponsors:

Enactment Date:

Attachments: PLAN SET, Picture, Specs 12-11-17, Advertisement for Bids_Sullivan Park

Enactment Number:

Contact:

Meeting Date:

Drafter: LaTasha McDaniel

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017					

Text of Legislative File 2017-922

Title

Approve plans and specifications for the Sullivan Park Pavilion Project and authorize advertisement for bid for same.

Summary

Approving plans and specifications and authorizing publication for the Sullivan Park Pavillion Project.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

SULLIVAN PARK PAVILION
CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI
FORREST COUNTY

MAYOR

TOBY BARKER

ENGINEERING DIRECTOR

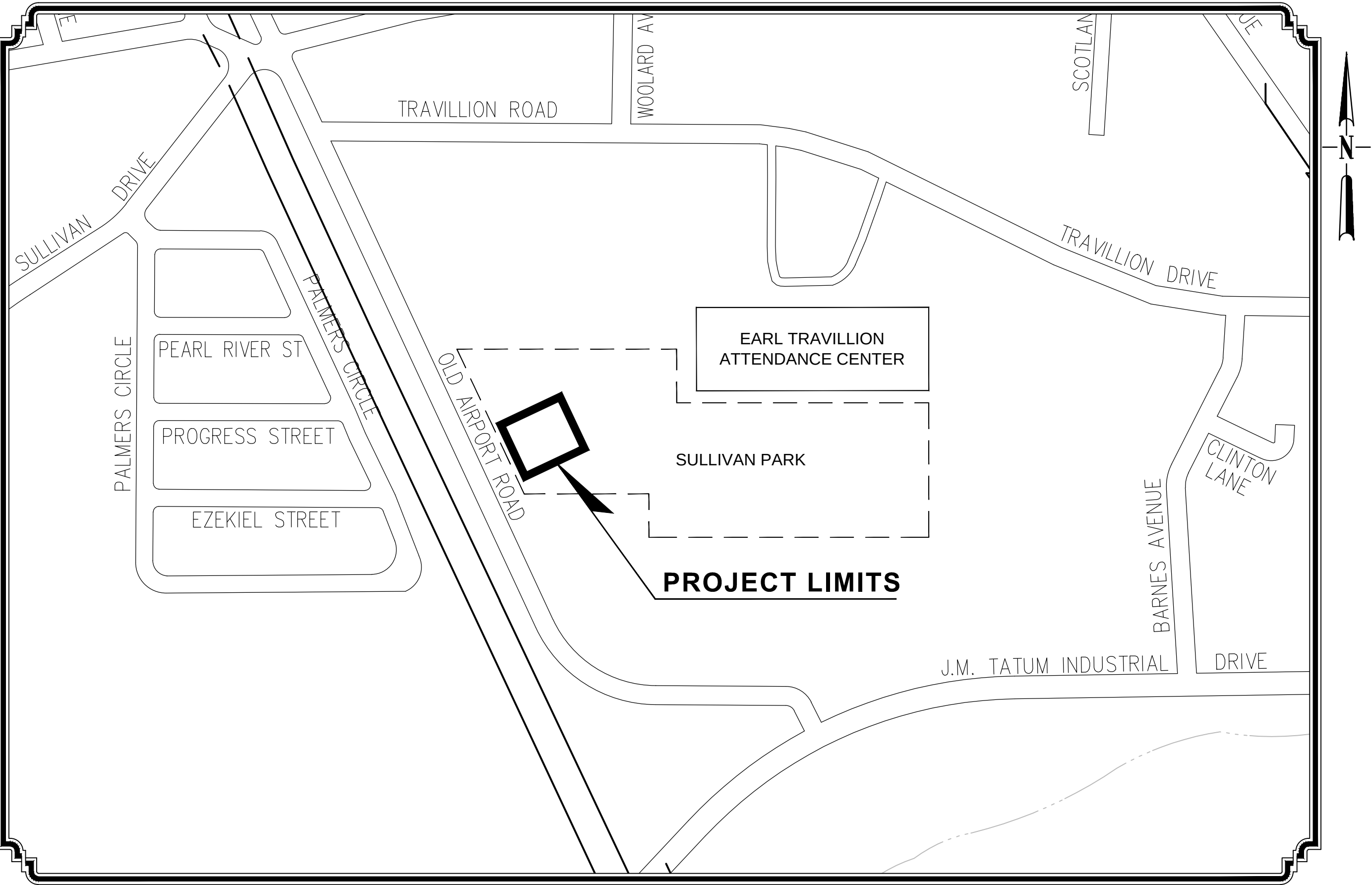
LAMAR RUTLAND, P.E.

COUNCIL MEMBERS

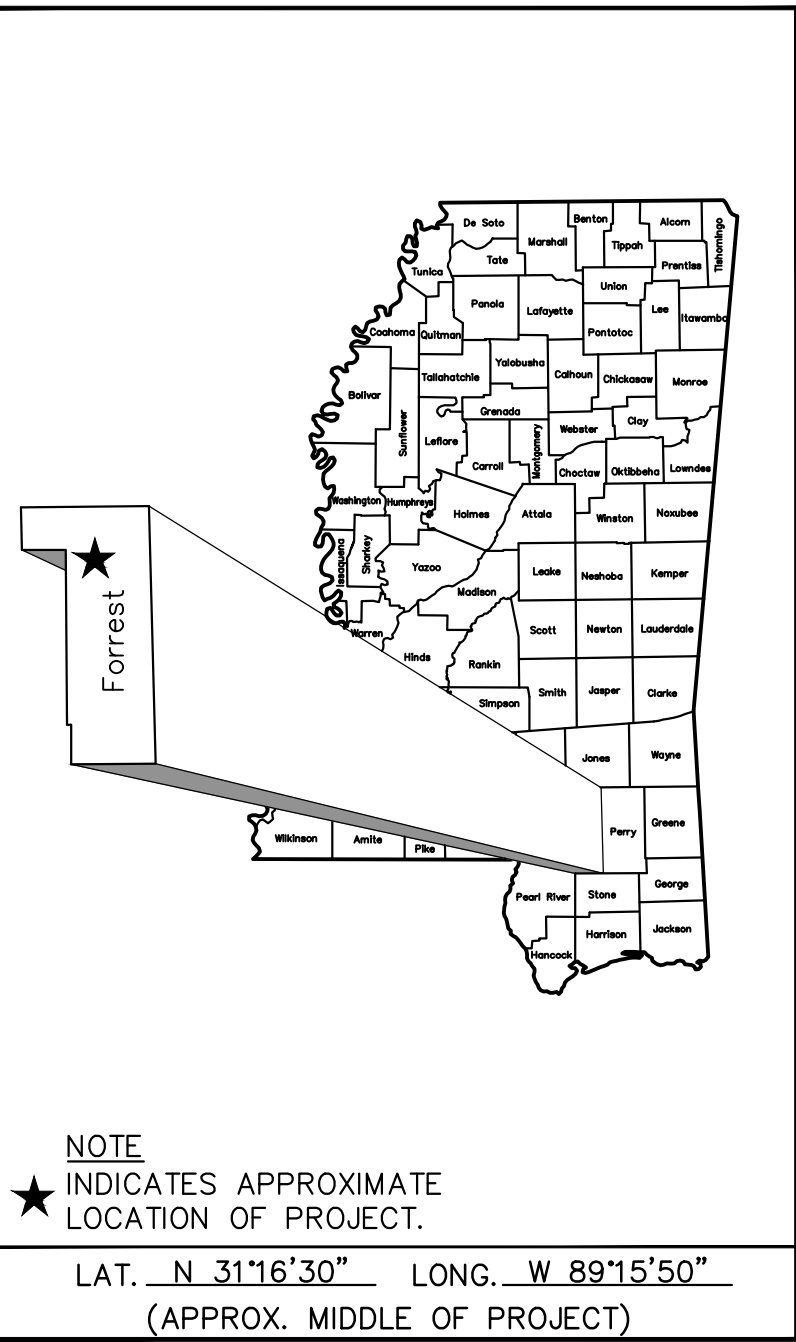
JEFFREY GEORGE	WARD 1
DEBORAH D. DELGADO	WARD 2
CARTER CARROLL	WARD 3
MARY DRYDEN	WARD 4
NICHOLAS BROWN	WARD 5

UTILITIES

CITY OF HATTIESBURG
MISSISSIPPI POWER
AT&T
WILLMUT GAS
COMCAST CABLE



VICINITY MAP
PROJECT LOCATION



PREPARED BY :



GEO ☐ REY P. CROSBY, P.E.
MISSISSIPPI LICENSE NO. 1 ☐

GENERAL NOTES

- | 1. | THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2017 EDITION, AS AMENDED, SHALL BE THE STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF THIS PROJECT UNLESS OTHERWISE INDICATED OR AMENDED IN THE SPECIAL PROVISIONS, PROPOSAL AND CONTRACT DOCUMENTS. | 21. | CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTling ANY SIGNS THAT ARE IN DIRECT CONFLICT WITH CONSTRUCTION IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION (COST ABSORBED). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|----------------------|----------|----------|------------------------|--|--|---|---|--|--|--|-----------------------|--|------|---|----------------------------|--|--|--|-----------------------|--|------|---|-------------------------------------|--|--|--|--|--|-------|---|-------------------------------|--|-------|---|----------------------------------|--|--|--|------------------|--|-------|---|------------------------------------|--|-------|---|--------------------------------|--|-------|---|----------------------------------|--|-------|---|---------|--|-------|----|----------------------|--|-------|----|---------------|--|------|----|------------|--|------|----|--------------------|--|------|----|------------------------------------|--|--|--|
| 2. | EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION. | 22. | REMOVAL OF EXISTING AND TEMPORARY TRAFFIC STRIPING, TRAFFIC CONTROL SIGNS AND BARRICADES SHALL BE ABSORBED UNDER PAY ITEM 618-A, MAINTENANCE OF TRAFFIC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER. | 23. | THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE UTILITY COMPANIES IF ANY UTILITY POLES NEED TO BE SUPPORTED DURING CONSTRUCTION (COST ABSORBED). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, BRIDGES, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHOULD BE EXERCISED IN UNDERCUT AREAS AND THE UNDERCUT DEPTH MAY BE ADJUSTED AT CROSS DRAINS, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS. | 24. | THE CONTRACTOR SHALL REPAIR FENCES, RETAINING WALLS, GATES, SODDING, LANDSCAPING, ETC. DAMAGED DURING OVERALL CONSTRUCTION (COST ABSORBED). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURRING DURING THE EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE WHAT BRACING, SHORING, OR GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT THE PERSONS WORKING NEAR THE EXCAVATION, THE PUBLIC THAT MAY BE ABOVE THE EXCAVATION, OR ANY STRUCTURE ADJACENT TO THE EXCAVATION. ALL COSTS FOR ANY PROTECTIVE MEASURES INCLUDING THE MATERIALS AND LABOR FOR DESIGNING, DRAWING AND CONSTRUCTING THE FACILITY SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS. | 25. | THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM RESPONSIBILITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SILT DOES NOT LEAVE THE RIGHT OF WAY OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | VOIDS CREATED BY THE REMOVAL OF POSTS, CONCRETE ANCHORS, FOOTINGS, ETC., SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (COST ABSORBED). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | PRIOR TO EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL TOPSOIL SHALL BE STRIPPED AND STOCKPILED. AFTER COMPLETION OF EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL SLOPES SHALL BE UNIFORMLY PLATED WITH THE STOCKPILED TOPSOIL. THE COST OF STRIPPING, STOCKPILING, PLACING AND SPREADING OF TOPSOIL IS TO BE INCLUDED IN OTHER ITEMS OF WORK. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | ALL STORM DRAINAGE STRUCTURES SHALL BE CAST-IN-PLACE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED IN PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | THE LOCATION AND SPACING OF SIGNS SHOWN ON THE TRAFFIC CONTROL PLAN ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11. | ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12. | SOME WORK MAY BE REQUIRED OUTSIDE THE PROJECT LIMITS BEYOND THE PROJECT LIMITS. NO ADDITIONAL COMPENSATION WILL BE MADE FOR SUCH WORK EXCEPT AS PROVIDED BY SPECIFIC PAY ITEMS SHOWN ON THE PLANS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13. | ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14. | ALL RAISED OBJECTS SHALL BE PLACED A MINIMUM OF 2 FEET BEHIND THE FACE OF CURB. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15. | CONTRACTOR SHALL MAKE THE APPLICATION FOR POWER SERVICE, COORDINATING WITH UTILITY COMPANY, IN ADVANCE OF REQUIRING THE ELECTRICAL SERVICE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16. | CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THROUGH AND LOCAL TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17. | THE CONTRACTOR SHALL PROVIDE ACCESS (INGRESS AND EGRESS) TO LOCAL BUSINESSES AND HOMEOWNERS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO NOTIFY BUSINESSES AND HOMEOWNERS 48 HOURS IN ADVANCE OF ACCESS RESTRICTIONS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18. | THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER SUB-CONTRACTOR'S TO FACILITATE TIE-INS TO OTHER CONTRACTOR'S WORK, WHERE FEASIBLE AND PRACTICABLE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19. | CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR RELOCATION OF EXISTING POWER, GAS, TELEPHONE, AND CABLE TV UTILITIES. CONTRACTOR SHALL PROVIDE ACCESS TO THE UTILITY COMPANIES FOR RELOCATION ACTIVITIES AS REQUIRED. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20. | THE CONTRACTOR WILL BE RESPONSIBLE FOR THE VERIFICATION, PROTECTION, AND RELOCATION OF BENCHMARKS DURING CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE FOR RELOCATION OF BENCHMARKS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table> <tr> <th></th><th>DESCRIPTION OF SHEET</th><th>WKG. NO.</th><th>SHT. NO.</th></tr> <tr> <td colspan="2"><u>TITLE SHEET (1)</u></td><td></td><td>1</td></tr> <tr> <td colspan="2"><u>DETAILED INDEX & GENERAL NOTES (1)</u></td><td></td><td></td></tr> <tr> <td>INDEX & GENERAL NOTES</td><td></td><td>GN-1</td><td>2</td></tr> <tr> <td colspan="2"><u>QUANTITY SHEETS (1)</u></td><td></td><td></td></tr> <tr> <td>SUMMARY OF QUANTITIES</td><td></td><td>SQ-1</td><td>3</td></tr> <tr> <td colspan="2"><u>OVERALL SITE PLAN SHEETS (2)</u></td><td></td><td></td></tr> <tr> <td>DEMO/ EXISTING CONDITIONS/ OVERALL SITE PLAN</td><td></td><td>PLN-1</td><td>4</td></tr> <tr> <td>DIMENSIONING & LANDSCAPE PLAN</td><td></td><td>PLN-2</td><td>5</td></tr> <tr> <td colspan="2"><u>SPECIAL DESIGN SHEETS (9)</u></td><td></td><td></td></tr> <tr> <td>PAVILION DETAILS</td><td></td><td>DET-1</td><td>6</td></tr> <tr> <td>PAVILION DETAILS (ELEVATION VIEWS)</td><td></td><td>DET-2</td><td>7</td></tr> <tr> <td>PAVILION DETAILS (FRAME VIEWS)</td><td></td><td>DET-3</td><td>8</td></tr> <tr> <td>PAVILION DETAILS (COLUMN LAYOUT)</td><td></td><td>DET-4</td><td>9</td></tr> <tr> <td>DETAILS</td><td></td><td>DET-5</td><td>10</td></tr> <tr> <td>ELECTRICAL SITE PLAN</td><td></td><td>ESP-1</td><td>11</td></tr> <tr> <td>LIGHTING PLAN</td><td></td><td>LP-1</td><td>12</td></tr> <tr> <td>POWER PLAN</td><td></td><td>PP-1</td><td>13</td></tr> <tr> <td>ELECTRICAL DETAILS</td><td></td><td>ED-1</td><td>14</td></tr> <tr> <td colspan="2"><u>TOTAL NUMBER OF SHEETS (14)</u></td><td></td><td></td></tr> </table> | | | DESCRIPTION OF SHEET | WKG. NO. | SHT. NO. | <u>TITLE SHEET (1)</u> | | | 1 | <u>DETAILED INDEX & GENERAL NOTES (1)</u> | | | | INDEX & GENERAL NOTES | | GN-1 | 2 | <u>QUANTITY SHEETS (1)</u> | | | | SUMMARY OF QUANTITIES | | SQ-1 | 3 | <u>OVERALL SITE PLAN SHEETS (2)</u> | | | | DEMO/ EXISTING CONDITIONS/ OVERALL SITE PLAN | | PLN-1 | 4 | DIMENSIONING & LANDSCAPE PLAN | | PLN-2 | 5 | <u>SPECIAL DESIGN SHEETS (9)</u> | | | | PAVILION DETAILS | | DET-1 | 6 | PAVILION DETAILS (ELEVATION VIEWS) | | DET-2 | 7 | PAVILION DETAILS (FRAME VIEWS) | | DET-3 | 8 | PAVILION DETAILS (COLUMN LAYOUT) | | DET-4 | 9 | DETAILS | | DET-5 | 10 | ELECTRICAL SITE PLAN | | ESP-1 | 11 | LIGHTING PLAN | | LP-1 | 12 | POWER PLAN | | PP-1 | 13 | ELECTRICAL DETAILS | | ED-1 | 14 | <u>TOTAL NUMBER OF SHEETS (14)</u> | | | |
| | DESCRIPTION OF SHEET | WKG. NO. | SHT. NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>TITLE SHEET (1)</u> | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>DETAILED INDEX & GENERAL NOTES (1)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <u>QUANTITY SHEETS (1)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUMMARY OF QUANTITIES | | SQ-1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>OVERALL SITE PLAN SHEETS (2)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DEMO/ EXISTING CONDITIONS/ OVERALL SITE PLAN | | PLN-1 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <u>SPECIAL DESIGN SHEETS (9)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAVILION DETAILS | | DET-1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAVILION DETAILS (ELEVATION VIEWS) | | DET-2 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PAVILION DETAILS (FRAME VIEWS) | | DET-3 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| LIGHTING PLAN | | LP-1 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POWER PLAN | | PP-1 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ELECTRICAL DETAILS | | ED-1 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>TOTAL NUMBER OF SHEETS (14)</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

	WKG. NO.	SHT. NO.
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<u>DETAILED INDEX & GENERAL NOTES (1)</u>		
INDEX & GENERAL NOTES	GN-1	2
<u>QUANTITY SHEETS (1)</u>		
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<u>OVERALL SITE PLAN SHEETS (2)</u>		
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DIMENSIONING & LANDSCAPE PLAN	PLN-2	5
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PAVILION DETAILS (ELEVATION VIEWS)	DET-2	7
PAVILION DETAILS (FRAME VIEWS)	DET-3	8
PAVILION DETAILS (COLUMN LAYOUT)	DET-4	9
DETAILS	DET-5	10
ELECTRICAL SITE PLAN	ESP-1	11
LIGHTING PLAN	LP-1	12
POWER PLAN	PP-1	13
ELECTRICAL DETAILS	ED-1	14

TOTAL NUMBER OF SHEETS (14)

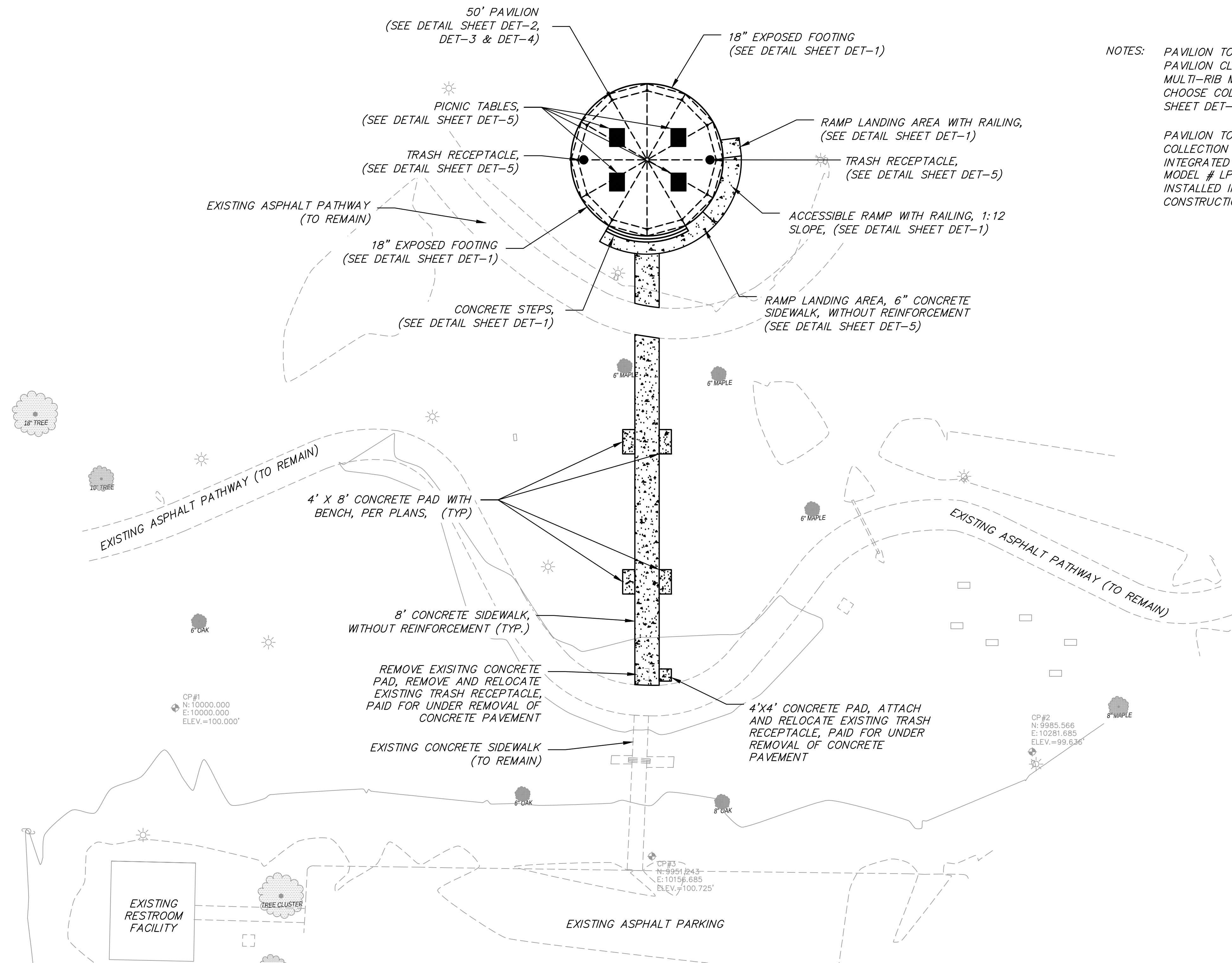
NOTICE TO DRAWING HOLDER NEEL-SCHAFFER, INC., HEREINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.	REVISIONS				DRAWING INFORMATION		SULLIVAN PARK PAVILION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI	 NEEL-SCHAFFER <i>Solutions you can build upon</i>	INDEX AND GENERAL NOTES			
	NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 8667.18 FILENAME: 8667.18_GENERALNOTES.DWG SCALE: NA SURVEYED BY: NEEL-SCHAFFER INC. DSGN: DAL DATE: 11/2017 DRWN: DAL DATE: 11/2017 CHKD: X DATE: X QA/QC: X DATE: X							
											WORKING NUMBER:	DRAWING NUMBER:
											GN-1	2

SUMMARY OF QUANTITIES (BASE BID)				
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PRELIMINARY	FINAL
	***** REMOVAL AND EARTHWORK ITEMS *****			
⑤	202-B REMOVAL OF CONCRETE PAVEMENT	CU. YD.	4	
	203-EX BORROW EXCAVATION, AH, FME, CLASS B9	CU. YD.	150	
	203-G EXCESS EXCAVATION, FM, AH	CU. YD.	75	
	***** ROADSIDE DEVELOPMENT ITEMS *****			
①	234-A TEMPORARY SILT FENCE	LIN. FT	200	
	237-A WATTLES 12'	LIN. FT.	10	
	246-A SANDBAGS	EACH	10	
	***** INCIDENTAL CONSTRUCTION ITEMS *****			
⑥	601-B STRUCTURAL CONCRETE	CU. YD.	70	
③	608-A CONCRETE SIDEWALK, WITHOUT REINFORCEMENT	SQ. YD.	150	
②	620-A MOBILIZATION	LUMP SUM	1	
②	1500-A CONSTRUCTION OF PAVILION, PER PLANS	LUMP SUM	1	
④	1520-A INSTALLATION OF HANDRAIL	LIN. FT	70	
⑦	602-A #4 REBAR	LBS	2400	

- ① WOVEN WIRE FENCE BACKING REQUIRED
- ② INCLUDES ASSEMBLY, ACCORDING TO MANUFACTURERS RECOMMENDATIONS ALSO INCLUDES (2) FANIMATION STUDIO COLLECTION SLINGER V2 72" BRUSHED NICKEL INTEGRATED OUTDOOR CEILING FANS (9 BLADE), MODEL # LP8147SLBN, OR APPROVED EQUAL. TO BE INSTALLED INSIDE PAVILION.
- ③ INCLUDES SOD REMOVAL, SITE PREPARATION, 4'X8' CONCRETE PAD, 4'X4' CONCRETE PAD
- ④ AS DETERMINED BY THE CONTRACTOR AND APPROVED BY THE PROJECT ENGINEER
- ⑤ INCLUDES REMOVAL AND RELOCATION OF EXISTING TRASH RECEPTACLE
- ⑥ INCLUDES VISQUEEN VAPOR BARRIER AND SAND FILL
- ⑦ #4, INCLUDES DOWELS

SUMMARY OF QUANTITIES (ADD ALTERNATES)				
PAY ITEM NO.	PAY ITEM DESCRIPTION	UNIT	PRELIMINARY	FINAL
	***** LIGHTING ITEMS ***** (ADD ALTERNATE 1)			
②	1500-A CONSTRUCTION OF ELECTRICAL SYSTEM	LUMP SUM	1	
	***** INCIDENTAL CONSTRUCTION ITEMS ***** (ADD ALTERNATE 2)			
	1520-A INSTALLATION OF TRASH RECEPTACLE, PER PLANS	EACH	2	
	1520-A INSTALLATION OF PICNIC TABLE, PER PLANS	EACH	4	
	1520-A INSTALLATION OF BENCH, PER PLANS	EACH	4	
	***** LANDSCAPE ITEMS ***** (ADD ALTERNATE 3)			
①	211-D TOPSOIL FOR PLANT PITS, CONTRACTOR FURNISHED	CU. YD.	20	
	216-B SOLID SODDING, CENTIPEDE	SQ. YD.	200	
	219-A WATERING	KGAL	50	
	230-A SHRUB PLANTING, KNOCKOUT ROSE	EACH	15	
	230-A SHRUB PLANTING, DWARF YAUPON HOLLY	EACH	12	
	230-D BED PREPARATION	SQ. FT.	250	
	232-A FERTILIZER FOR WOODY PLANT MATERIAL, TABLET, 21 GRAM	EACH	27	

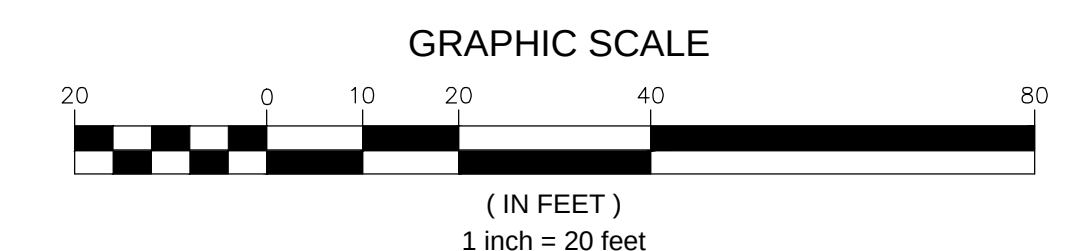
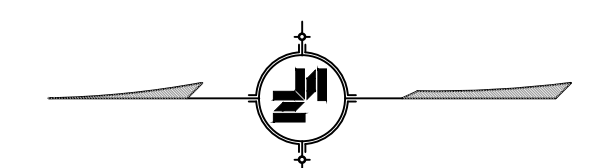
- ① FOR USE IN BED PREP AND SOD AREAS.
- ② INCLUDES ALL ELECTRICAL AND INCIDENTAL ITEMS REQUIRED TO INSTALL AND COMPLETE AN OPERATING ELECTRICAL LIGHTING SYSTEM, AND SHALL COMPLY WITH SECTION 681-682 OF MISSISSIPPI STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION – 2017 EDITION.



NOTES: PAVILION TO BE POLIGON BRAND, 50' DIAMETER, PAVILION CLERESTORY, (MODEL PLC50), WITH MULTI-RIB METAL ROOF "R" PANEL, CLIENT TO CHOOSE COLOR, OR APPROVED EQUAL. (SEE DETAIL SHEET DET-2, DET-3 & DET-4)

PAVILION TO INCLUDE (2) FANIMATION STUDIO COLLECTION SLINGER V2 72" BRUSHED NICKEL INTEGRATED OUTDOOR CEILING FAN (9 BLADE), MODEL # LP8147SLBN, OR APPROVED EQUAL. TO BE INSTALLED INSIDE PAVILION. (COST ABSORBED IN CONSTRUCTION OF PAVILION, PER PLANS PAY ITEM)

OVERALL SITE PLAN



NOTICE TO DRAWING HOLDER

NEEL-SCHAFFER, INC., HEREINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.

REVISIONS			DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	

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 SURVEYED BY: NEEL-SCHAFFER INC.
 DSGN: DAL DATE: 11/2017
 DRWN: DAL DATE: 11/2017
 CHKD: X DATE: X
 QA/QC: X DATE: X

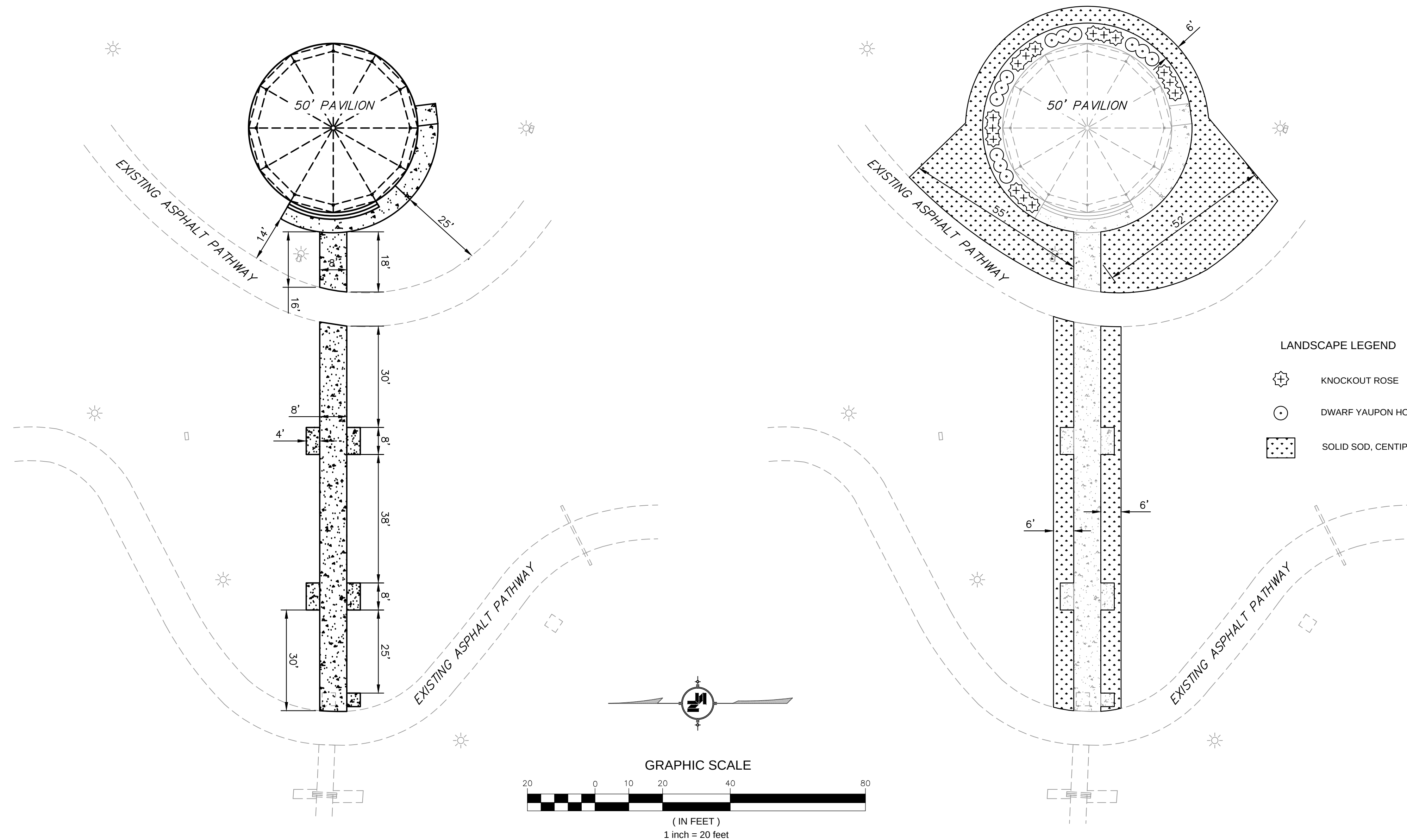
SULLIVAN PARK PAVILION

CITY OF HATTIESBURG
 FORREST COUNTY, MISSISSIPPI



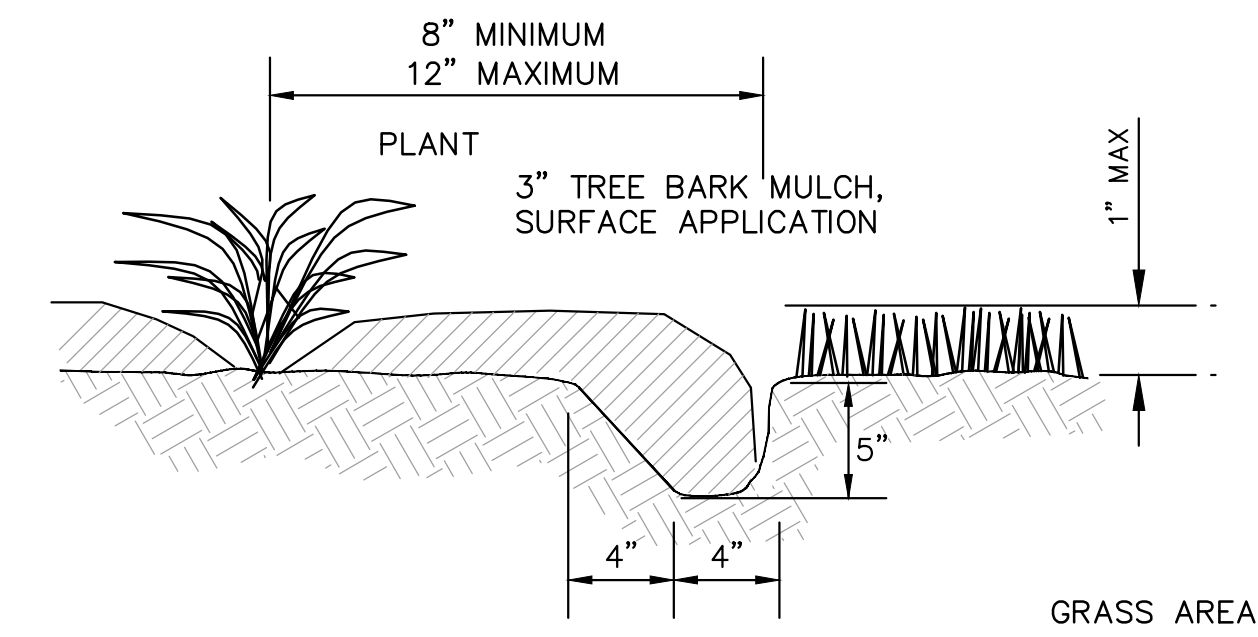
**DEMO/ EXISTING CONDITIONS/
 OVERALL SITE PLAN**

WORKING NUMBER:	DRAWING NUMBER:
PLN-1	4

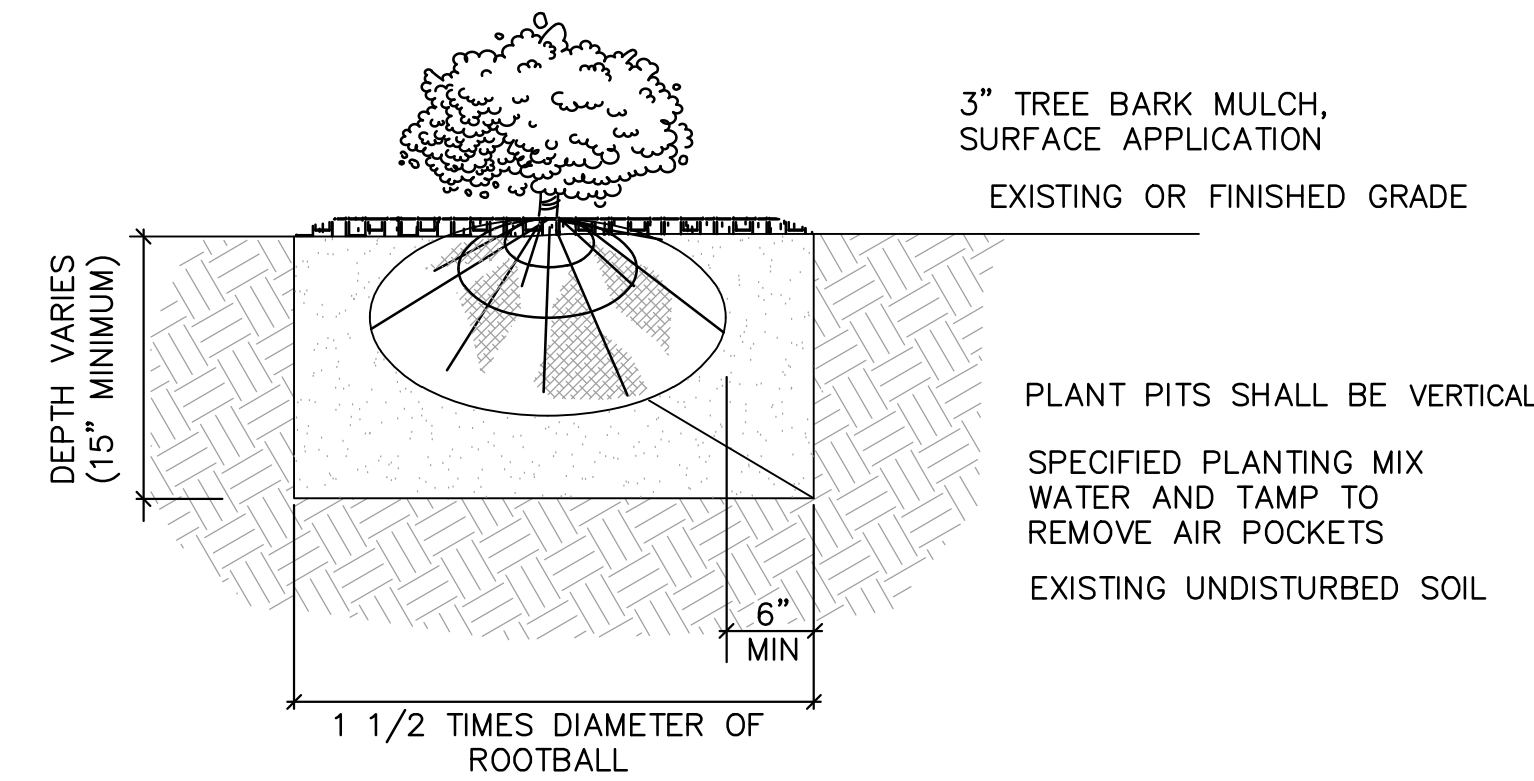


DIMENSIONING PLAN

LANDSCAPE PLAN (ADD ALTERNATE 3)

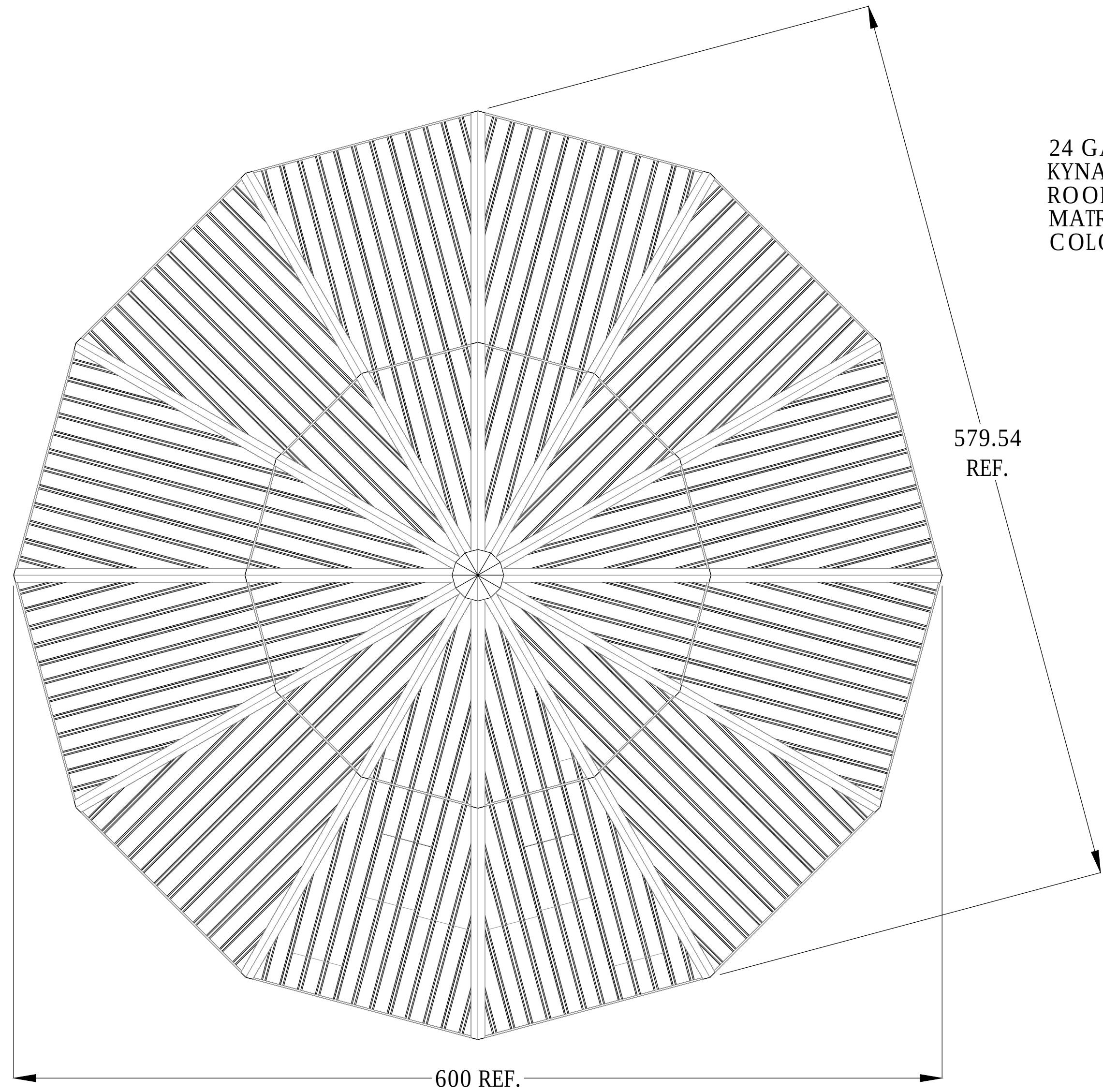


BED EDGING DETAIL
NOT TO SCALE



TYPICAL SHRUB PLANTING DETAIL
NOT TO SCALE

LANDSCAPE QUANTITIES & VEGETATION SCHEDULE							
LANDSCAPE ITEMS	QTY	SIZE/UNIT	SEASONAL APPLICATIONS-DATES & RATES				REQUIREMENTS
			SPRING & SUMMER		FALL & WINTER		
ITEMS			RATES	DATES	RATES	DATES	
SHRUB PLANTING, KNOCKOUT ROSE	15	3 GALLON	EACH	UPON REQUEST ONLY	EACH	OCTOBER 1 – APRIL 1	FULL & HEALTHY PLANT; 3’ OC SPACING
SHRUB PLANTING, DWARF YAUPON HOLLY	12	3 GALLON	EACH	UPON REQUEST ONLY	EACH	OCTOBER 1 – APRIL 1	FULL & HEALTHY PLANT; 3’ OC SPACING
SOLID SOD, ST. CENTIPEDE	200	SQUARE YARD	EACH	UPON REQUEST ONLY	EACH	OCTOBER 1 – APRIL 1	CERTIFICATE REQUIRED
TREE BARK MULCH, TYPE III	3	CUBIC YARD	NA	NOT APPLICABLE	NA	NOT APPLICABLE	2” ROTO-TILLED INTO AREAS TO RECEIVE BED PREP (ABSORBED IN BED PREP.)
TREE BARK MULCH, TYPE V	4	CUBIC YARD	NA	NOT APPLICABLE	NA	NOT APPLICABLE	3” SURFACE APP. IN AREAS TO RECEIVE BED PREP (ABSORBED IN BED PREP.)
SOIL TEST	1		NA	NOT APPLICABLE	NA	NOT APPLICABLE	REQUIRED TO BE SUBMITTED IN ADVANCE OF ALL LANDSCAPE CONSTRUCTION ITEMS (ABSORBED IN BED PREP)
TOPSOIL FOR PLANT PITS, CONTRACTOR FURNISHED	20	CUBIC YARD	NA	NOT APPLICABLE	NA	NOT APPLICABLE	4” ROTO-TILLED INTO AREAS TO RECIEVE BED PREP; 2” IN AREAS TO RECIEVE SOD
BED PREPARATION	250	SQUARE FEET	NA	NOT APPLICABLE	NA	NOT APPLICABLE	REQUIRED IN AREAS TO RECEIVE SHRUBS AND GROUNDCOVER
MOISTURE ABSORBANT CRYSTALS	30	OUNCES	SEE REQUIREMENTS	BY REQUEST ONLY	SEE REQUIREMENTS	OCTOBER 1 – APRIL 1	1 OZ PER 3 GALLON (30); COST ABSORBED IN INDIVIDUAL TREE AND SHRUB PAY ITEMS
SELECTIVE, PRE-EMERGENCE HERBICIDE	2	LB	SEE REQUIREMENTS	BY REQUEST ONLY	SEE REQUIREMENTS	OCTOBER 1 – APRIL 1	2 GRAM PER SF OF BED PREP. AREA; COST ABSORBED IN BED PREP PAY ITEM
FERTILIZER FOR WOODY PLANT MATERIAL, 21 GRAM	27	EACH	SEE REQUIREMENTS	BY REQUEST ONLY	SEE REQUIREMENTS	BY REQUEST ONLY	1 PER 3 GALLON (27)
WATERING	50	KGAL	NA	NOT APPLICABLE	NA	NOT APPLICABLE	AS REQUIRED DURING THE MAINTENANCE PERIOD



NOTE: THIS IS A
PLANNING LEVEL DRAWING.

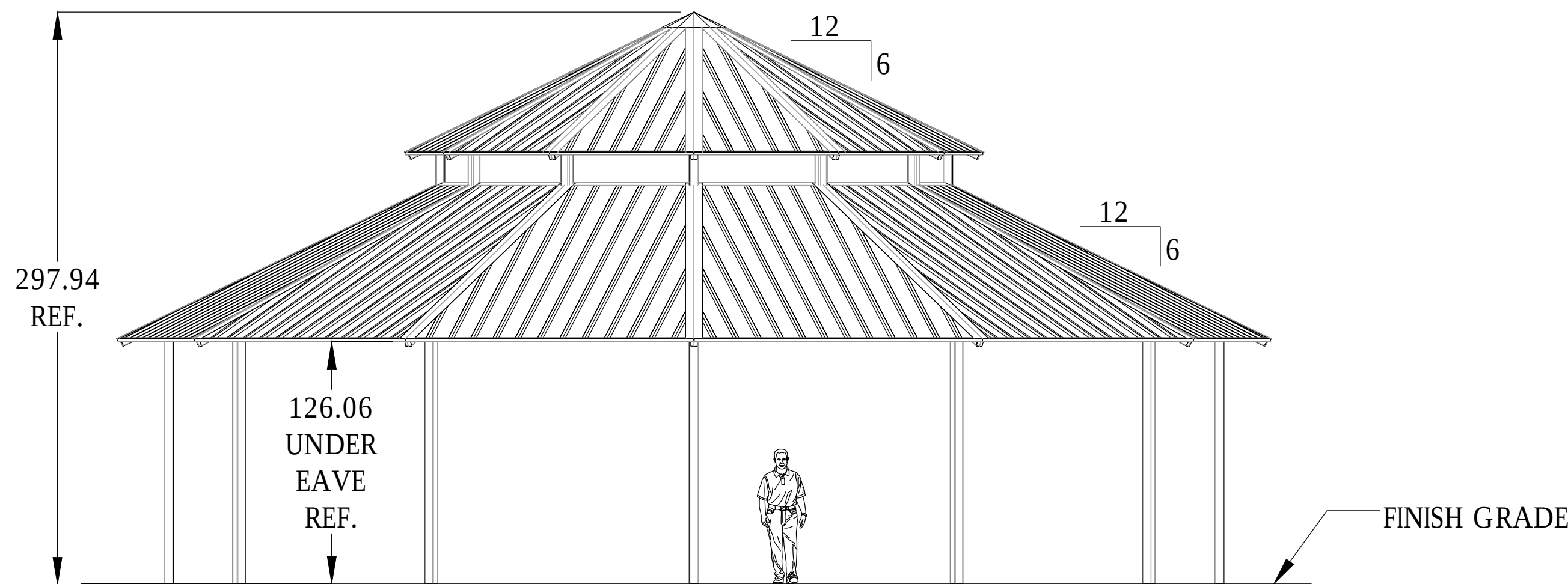
THE STRUCTURE SHOWN IS SUBJECT TO
ON-GOING DESIGN REVIEW AND
UPDATE. EXPECT SOME CHANGES
TO MATERIAL SIZES AND GENERAL
DIMENSIONS. ONLY USE DRAWINGS
PROVIDED WITH ENGINEERED
STRUCTURES FOR CONSTRUCTION.

- SEE FINISHES / ROOFING PAGE FOR:
- FRAME FINISH OPTIONS
 - POWDER COAT AND ROOFING COLOR SELECTION
 - TONGUE & GROOVE, STRUCTURAL INSULATED PANEL AND METAL ROOF OPTIONS
 - OTHER ROOFING OPTIONS

- SEE ORNAMENTATION PAGE FOR:
- ORNAMENTATION PATTERNS
 - RAILING PATTERNS
 - COLUMN OPTIONS
 - CUPOLA OPTIONS

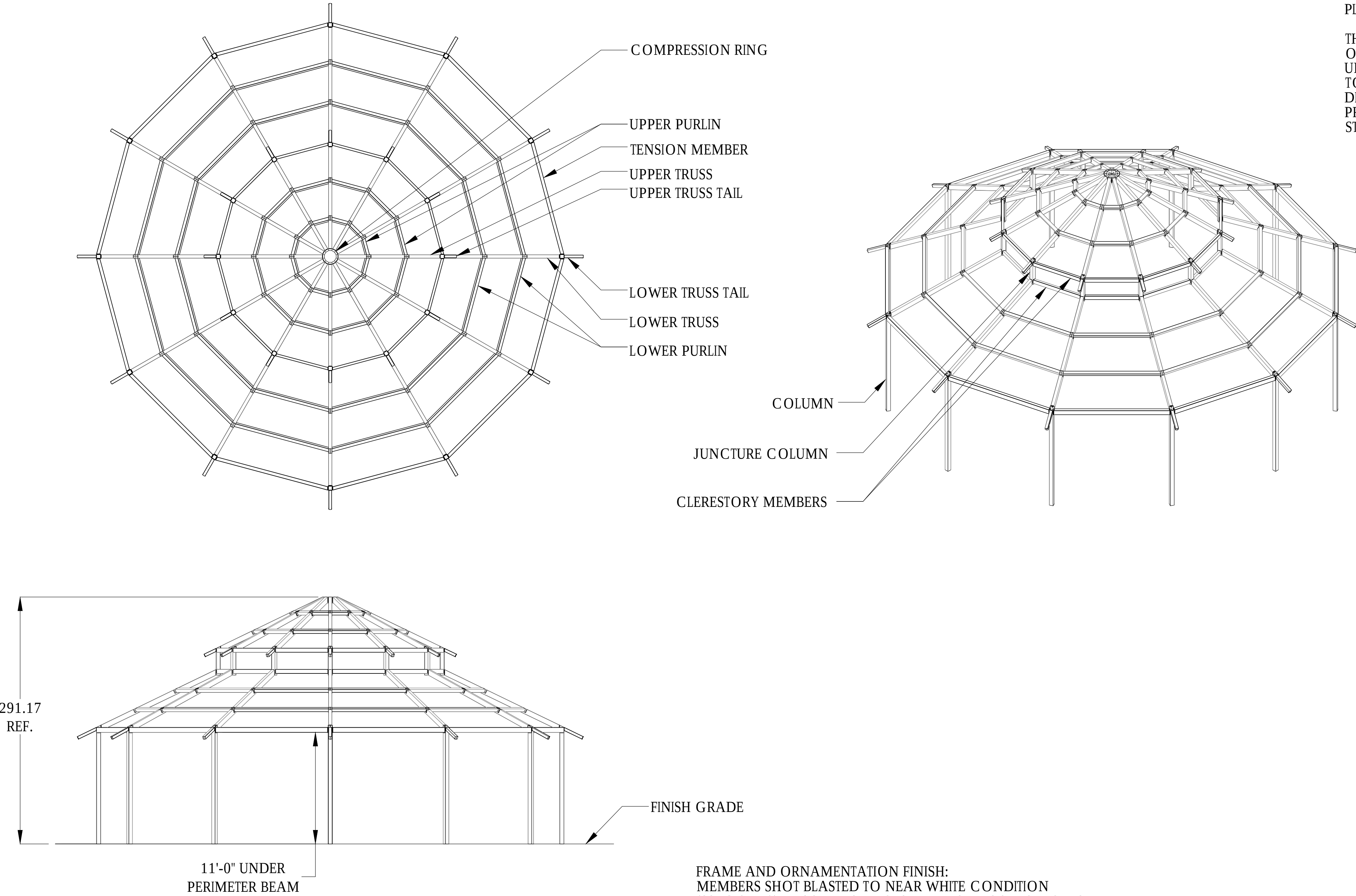
THIS SHELTER PROVIDES 1875 SQ. FT.
OF SHADE.

ROOFING TRIM IS 24 GA. KYNAR 500 COATED
STEEL, COLOR MATCHED TO ROOF. EAVE
CHANNEL TRIM IS REINFORCED WITH 18 GA.
GALVANIZED INNER CHANNEL FOR ADDITIONAL
EAVE SUPPORT.



NOTICE TO DRAWING HOLDER NEEL-SCHAFFER, INC., HEREINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.	REVISIONS				DRAWING INFORMATION		SULLIVAN PARK PAVILION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI	 <i>Solutions you can build upon</i>	PAVILION DETAILS (ELEVATION VIEWS)	
	NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 8667.18					
					FILENAME: 8667.18_DETAILS.DWG					
					SCALE: N.T.S					
					SURVEYED BY: NEEL-SCHAFFER INC.					
					DSGN: DAL	DATE: 11/2017				
					DRWN: DAL	DATE: 11/2017				
					CHKD: X	DATE: X				
					QA/QC: X	DATE: X				
								DET-2	7	

NOTE: THIS IS A
PLANNING LEVEL DRAWING.
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ON-GOING DESIGN REVIEW AND
UPDATE. EXPECT SOME CHANGES
TO MATERIAL SIZES AND GENERAL
DIMENSIONS. ONLY USE DRAWINGS
PROVIDED WITH ENGINEERED
STRUCTURES FOR CONSTRUCTION.

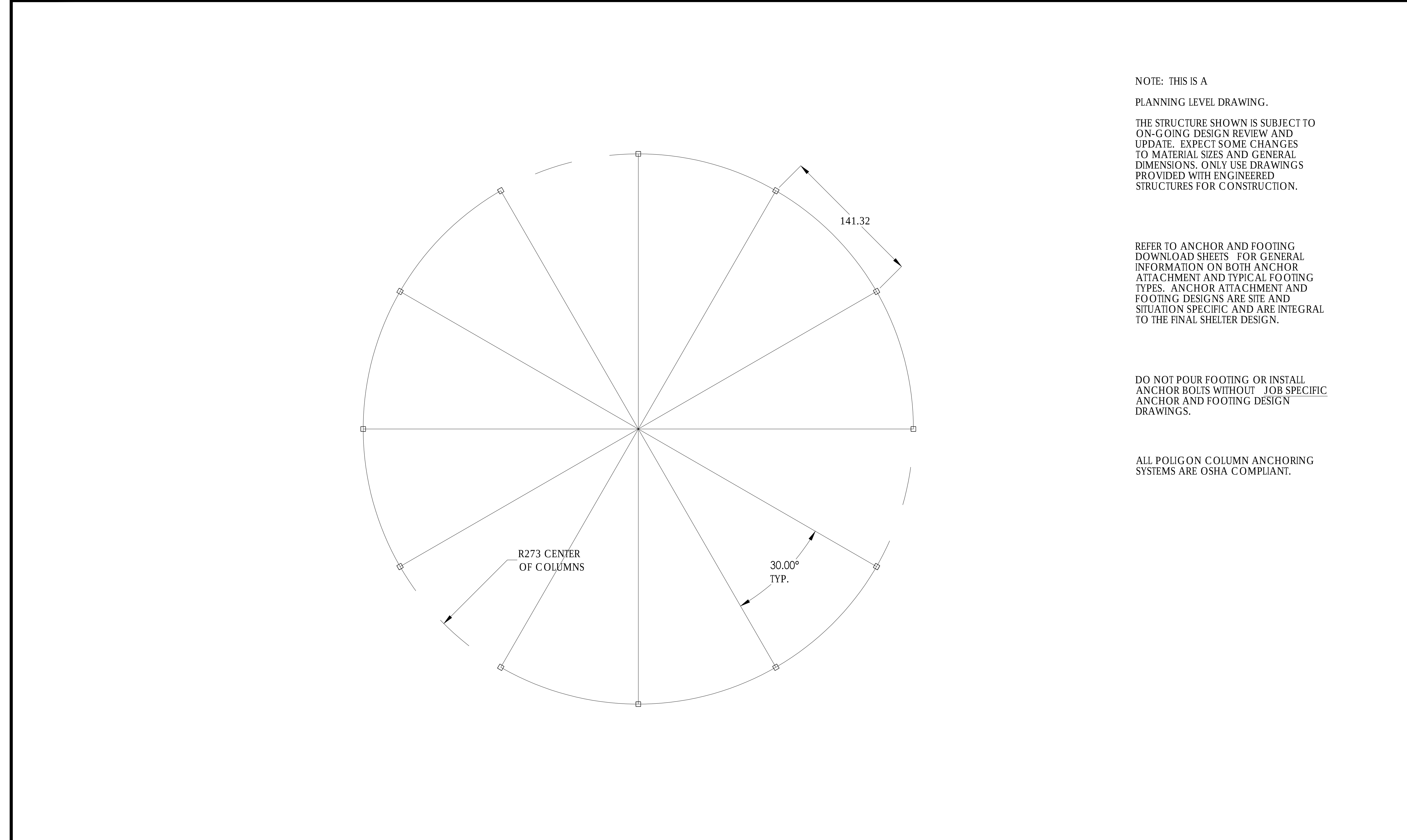


FRAME AND ORNAMENTATION FINISH:
MEMBERS SHOT BLASTED TO NEAR WHITE CONDITION
(SSPC SP-10), WASHED AND SEALED IN A PHOSPHATE SPRAY,
COATED WITH SUPER DURABLE TGIC POLYESTER POWDER
AND OVEN CURED.

SEE COLOR MATRIX FOR AVAILABLE COLORS.

OPTIONAL UNDERCOAT:
EPOXY E-COAT SYSTEM, USING FULL IMMERSION
ELECTRO-DEPOSITION PROCESS.

NOTICE TO DRAWING HOLDER NEEL-SCHAFFER, INC., HERINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.	REVISIONS				DRAWING INFORMATION		SULLIVAN PARK PAVILION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI	 NEEL-SCHAFFER <i>Solutions you can build upon</i>	PAVILION DETAILS (FRAME VIEWS)	
	NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 8667.18					
					FILENAME: 8667.18_DETAILS.DWG					
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					CHKD: X	DATE: X				
					QA/QC: X	DATE: X				
								WORKING NUMBER:	DRAWING NUMBER:	
								DET-3	8	



NOTE: THIS IS A
PLANNING LEVEL DRAWING.

THE STRUCTURE SHOWN IS SUBJECT TO
ON-GOING DESIGN REVIEW AND
UPDATE. EXPECT SOME CHANGES
TO MATERIAL SIZES AND GENERAL
DIMENSIONS. ONLY USE DRAWINGS
PROVIDED WITH ENGINEERED
STRUCTURES FOR C CONSTRUCTION.

REFER TO ANCHOR AND FOOTING
DOWNLOAD SHEETS FOR GENERAL
INFORMATION ON BOTH ANCHOR
ATTACHMENT AND TYPICAL FOOTING
TYPES. ANCHOR ATTACHMENT AND
FOOTING DESIGNS ARE SITE AND
SITUATION SPECIFIC AND ARE INTEGRAL
TO THE FINAL SHELTER DESIGN.

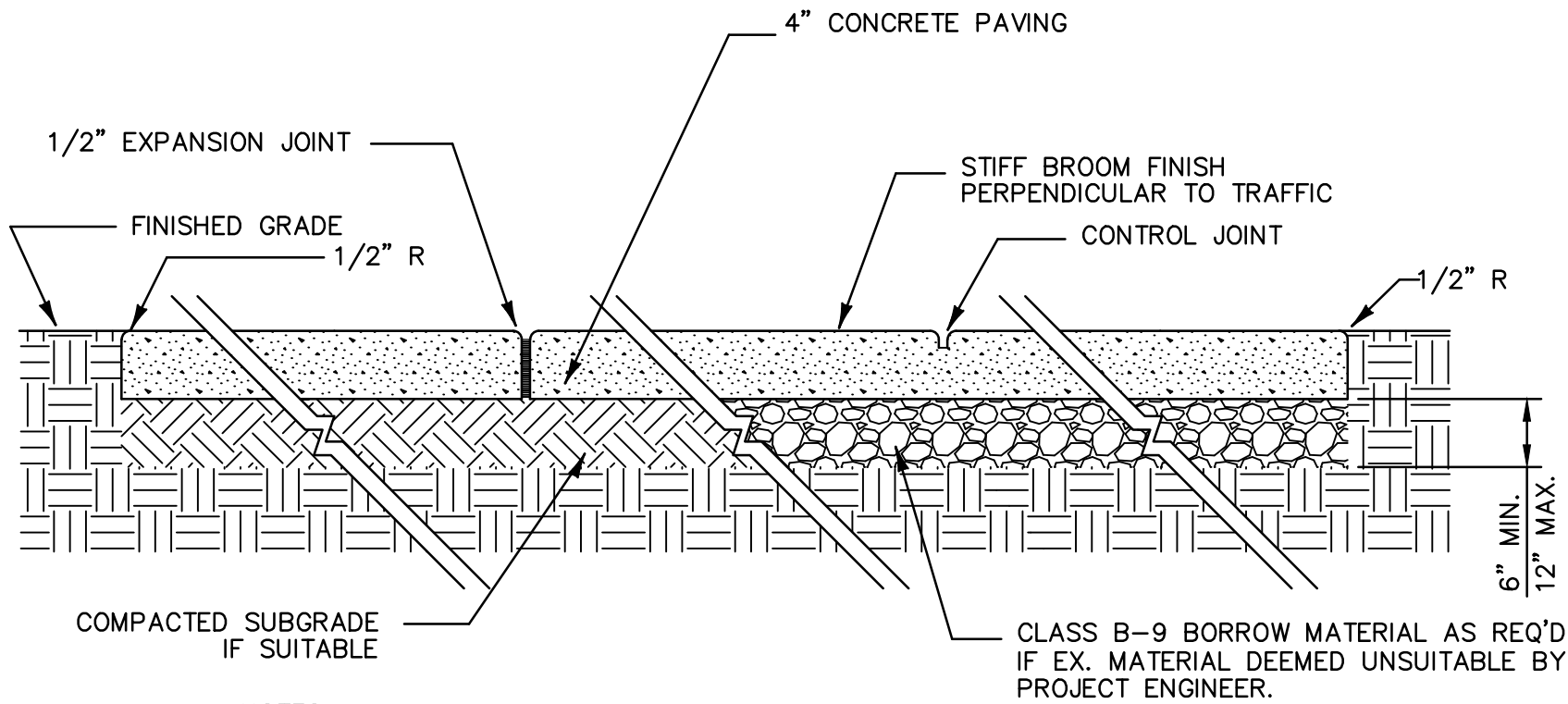
DO NOT POUR FOOTING OR INSTALL
ANCHOR BOLTS WITHOUT JOB SPECIFIC
ANCHOR AND FOOTING DESIGN
DRAWINGS.

ALL POLYGON COLUMN ANCHORING
SYSTEMS ARE OSHA COMPLIANT.

NOTICE TO DRAWING HOLDER NEEL-SCHAFFER, INC., HERINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.	REVISIONS				DRAWING INFORMATION		SULLIVAN PARK PAVILION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI	NS NEEL-SCHAFFER Solutions you can build upon	PAVILION DETAILS (COLUMN LAYOUT)	
	NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 8667.18					
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					QA/QC: X	DATE: X				

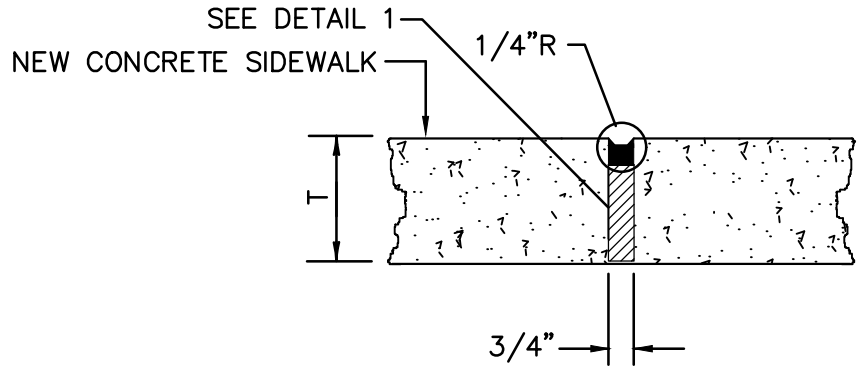
WORKING NUMBER:	DRAWING NUMBER:
DET-4	9

JOINT SPACING		
SIDEWALK WIDTH	CONTROL JOINT	EXPANSION JOINT
6	6	30

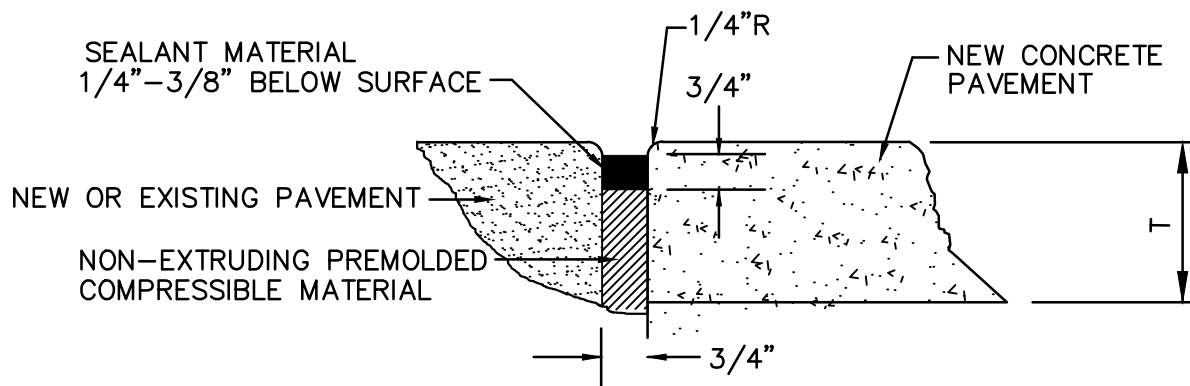


- NOTES:
- 1/2" EXPANSION JOINT CONFORMING TO ASTM D1751. TOP OF JOINT SHALL BE SEALED w/ 1/2" TAR MODIFIED URETHANE SEALANT. PLACE EXPANSION JOINT AS SHOWN IN TABLE BELOW.
 - HAND TOOLED CONTROL JOINTS W/ 1/2" RADIUS EVERY 6'
 - ALL SUBGRADE SOILS FOR SIDEWALK SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
 - CLASS B-9 BORROW MATERIAL SHALL BE INCLUDED IN THE COST OF THE SIDEWALK.

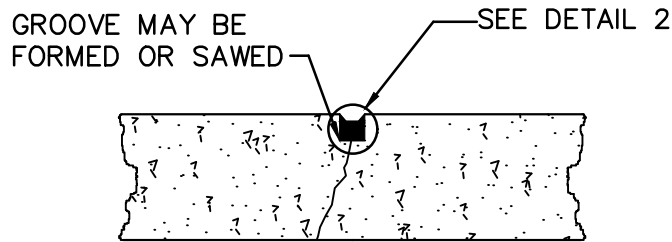
TYPICAL SIDEWALK DETAIL
NOT TO SCALE



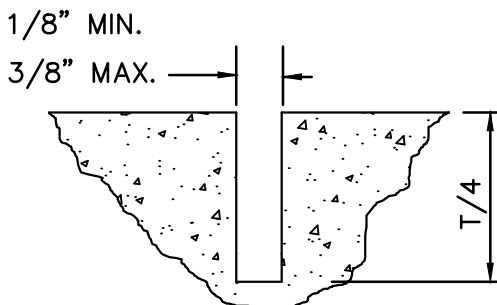
TYPE ``B" - EXPANSION JOINT
NOT TO SCALE



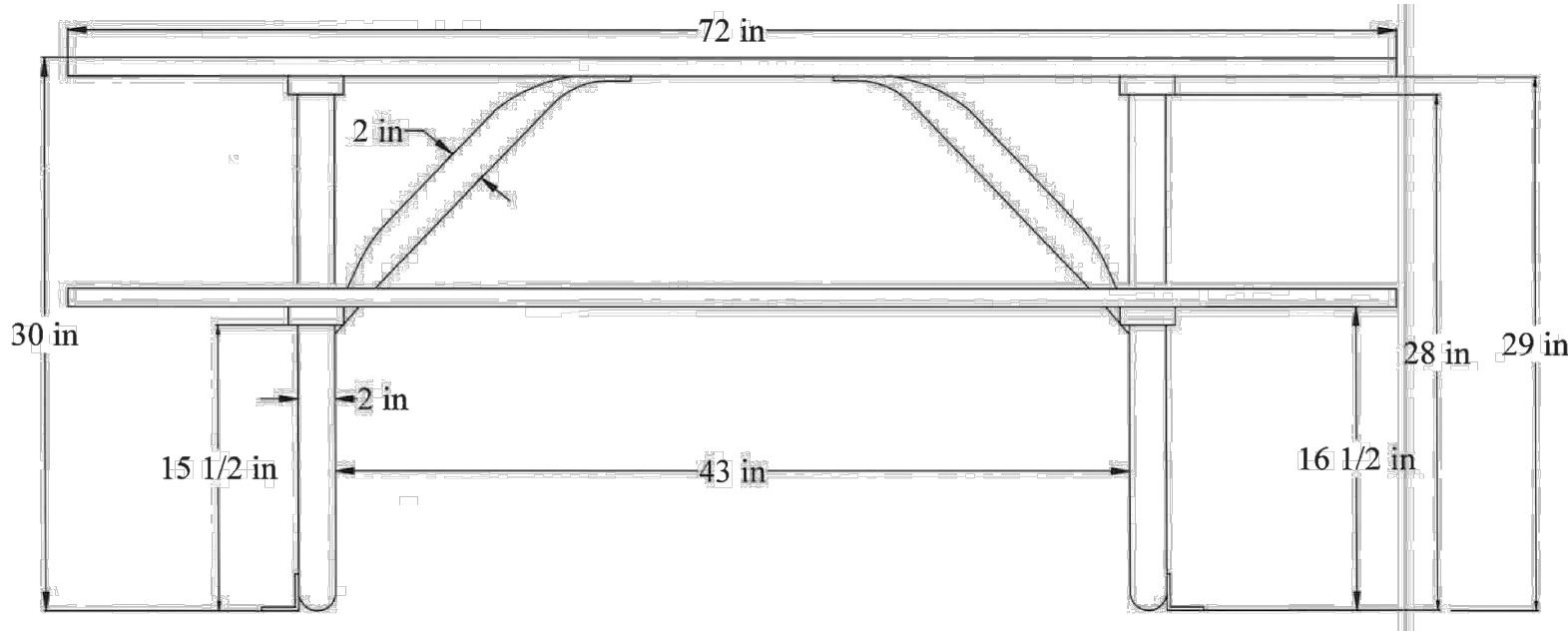
DETAIL 1 - EXPANSION JOINTS
NOT TO SCALE



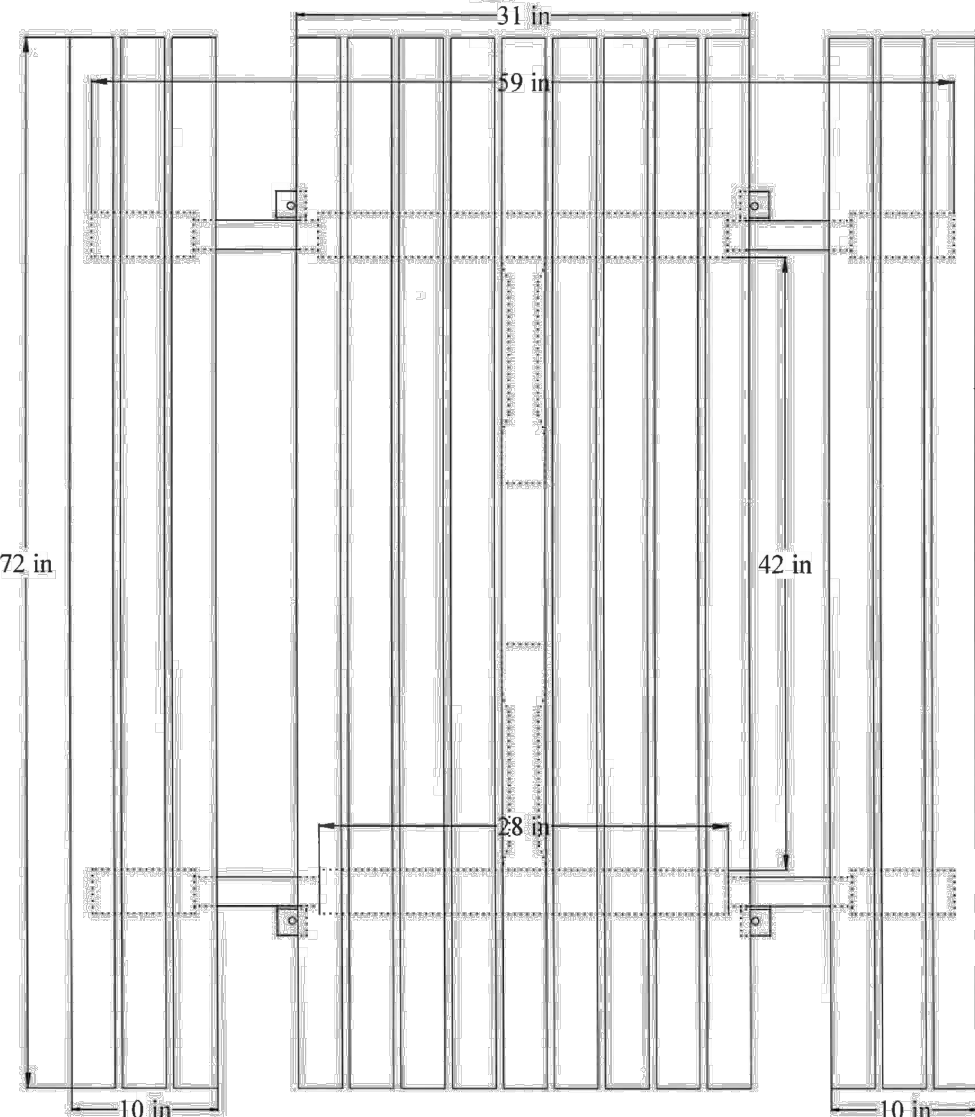
TYPE ``A" - CONTROL JOINT
NOT TO SCALE



DETAIL 2 - CONTROL JOINT
NOT TO SCALE



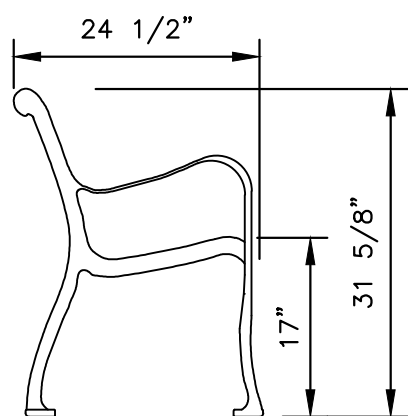
FRONT ELEVATION



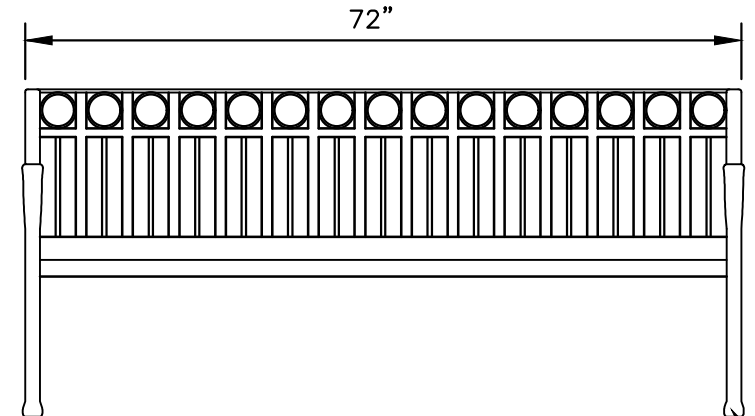
PLAN VIEW

PICNIC TABLE DETAIL
NOT TO SCALE

MISSISSIPPI PRISON INDUSTRIES
STEEL PICNIC TABLE 6 FT. (MR-010E)
POWDERCOAT GLOSS BLACK FINISH
OR APPROVED EQUAL

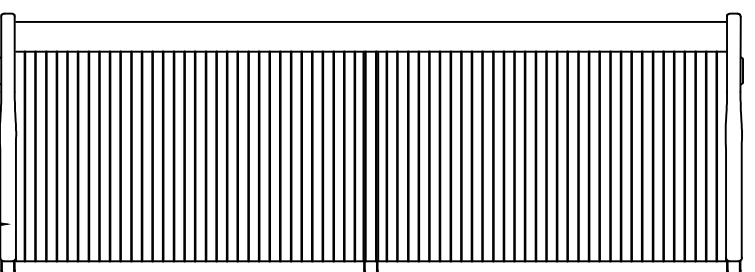


END ELEVATION



FRONT ELEVATION

MISSISSIPPI PRISON INDUSTRIES
6' URBAN BENCH (MR-013B)
GLOSS BLACK FINISH
OR APPROVED EQUAL



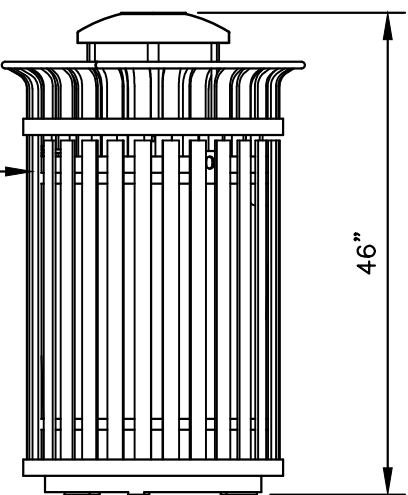
PLAN VIEW

BENCH DETAIL
NOT TO SCALE

NOTE: ALL BENCHES TRASH RECEPTACLES
AND PICNIC TABLES SHALL BE MOUNTED
TO CONCRETE PER MANUFACTURER'S
SPECIFICATIONS.

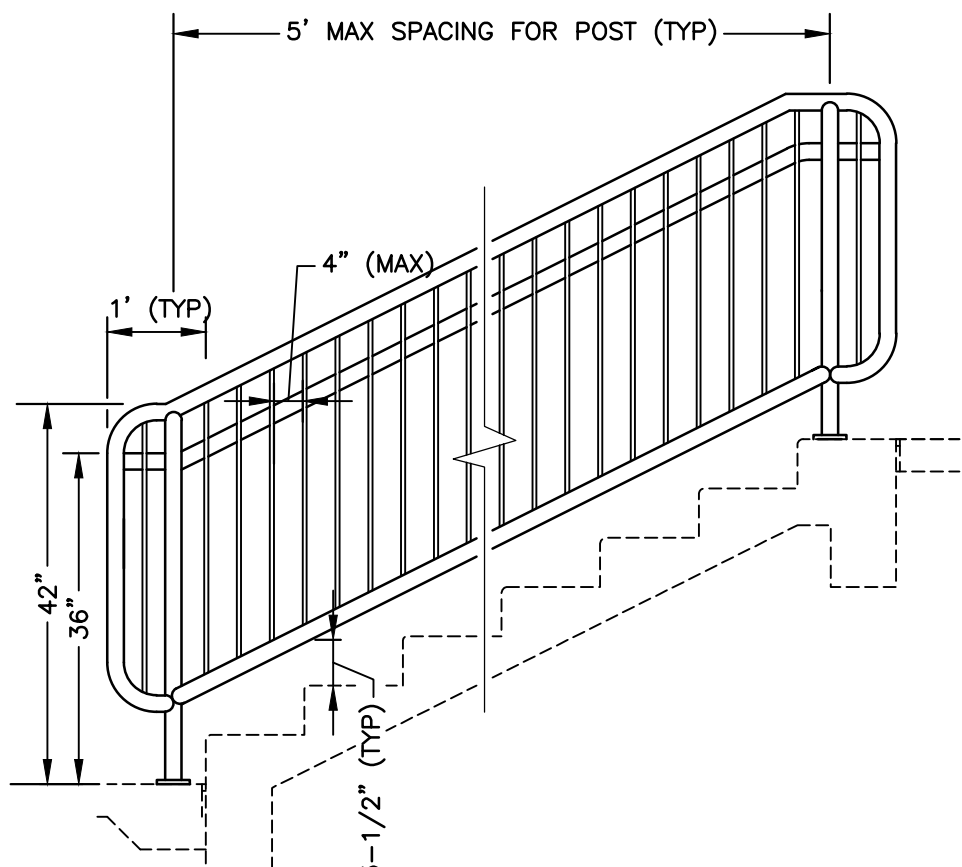
4" LAG BOLT ANCHOR
AT ALL 4 CORNERS

MISSISSIPPI PRISON INDUSTRIES
DELUXE LITTER RECEPTACLE WITH
35 GAL. LINER (MR-011B)
POWDERCOAT GLOSS BLACK FINISH
OR APPROVED EQUAL

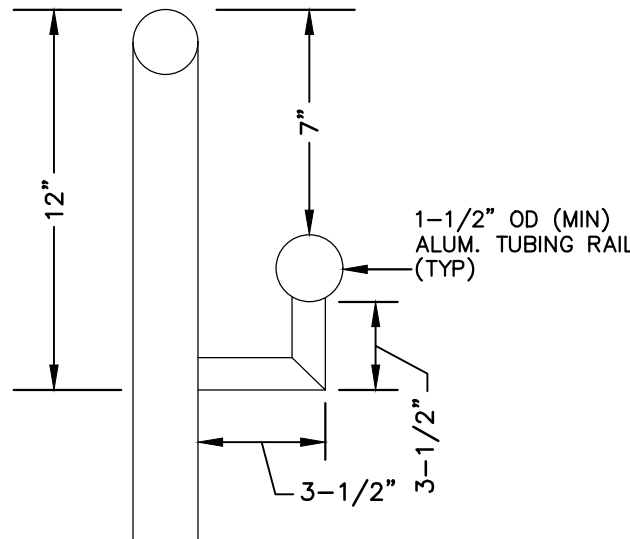


FRONT ELEVATION

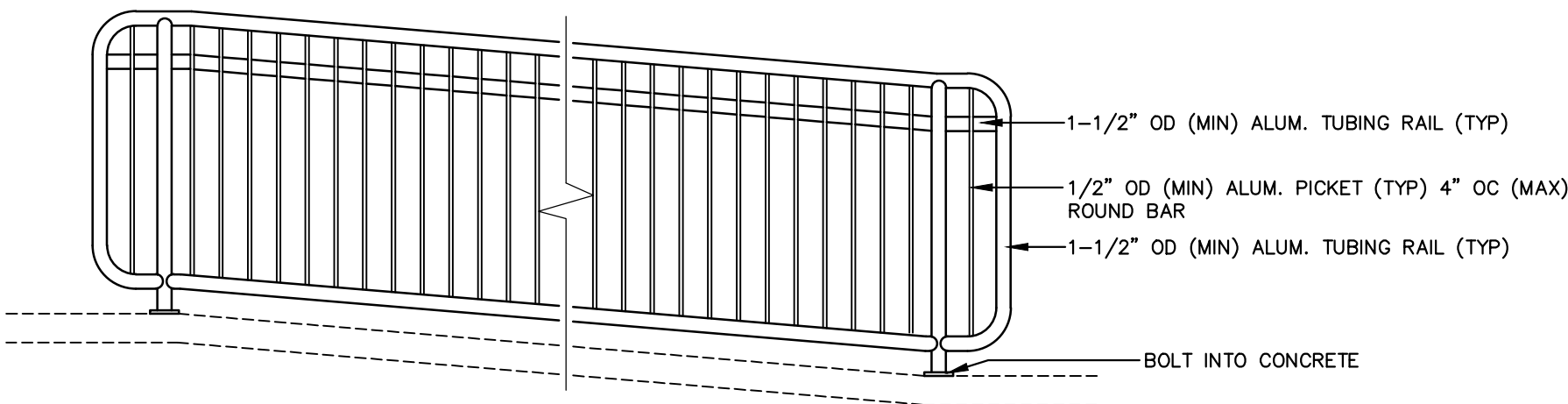
TRASH RECEPTACLE DETAIL
NOT TO SCALE



STAIR GUARDRAIL/HANDRAIL DETAIL



HANDRAIL DETAIL



RAMP GUARDRAIL/HANDRAIL DETAIL

HANDRAIL/GUARDRAIL TYPICAL DETAILS
NOT TO SCALE

NOTICE TO DRAWING HOLDER

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REVISIONS				DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 8667.18	
				FILENAME: 8667.18_DETAILS.DWG	
				SCALE: N.T.S.	
				SURVEYED BY: NEEL-SCHAFFER INC.	
				DSGN: DAL	DATE: 11/2017
				DRWN: DAL	DATE: 11/2017
				CHKD: X	DATE: X
				QA/QC: X	DATE: X

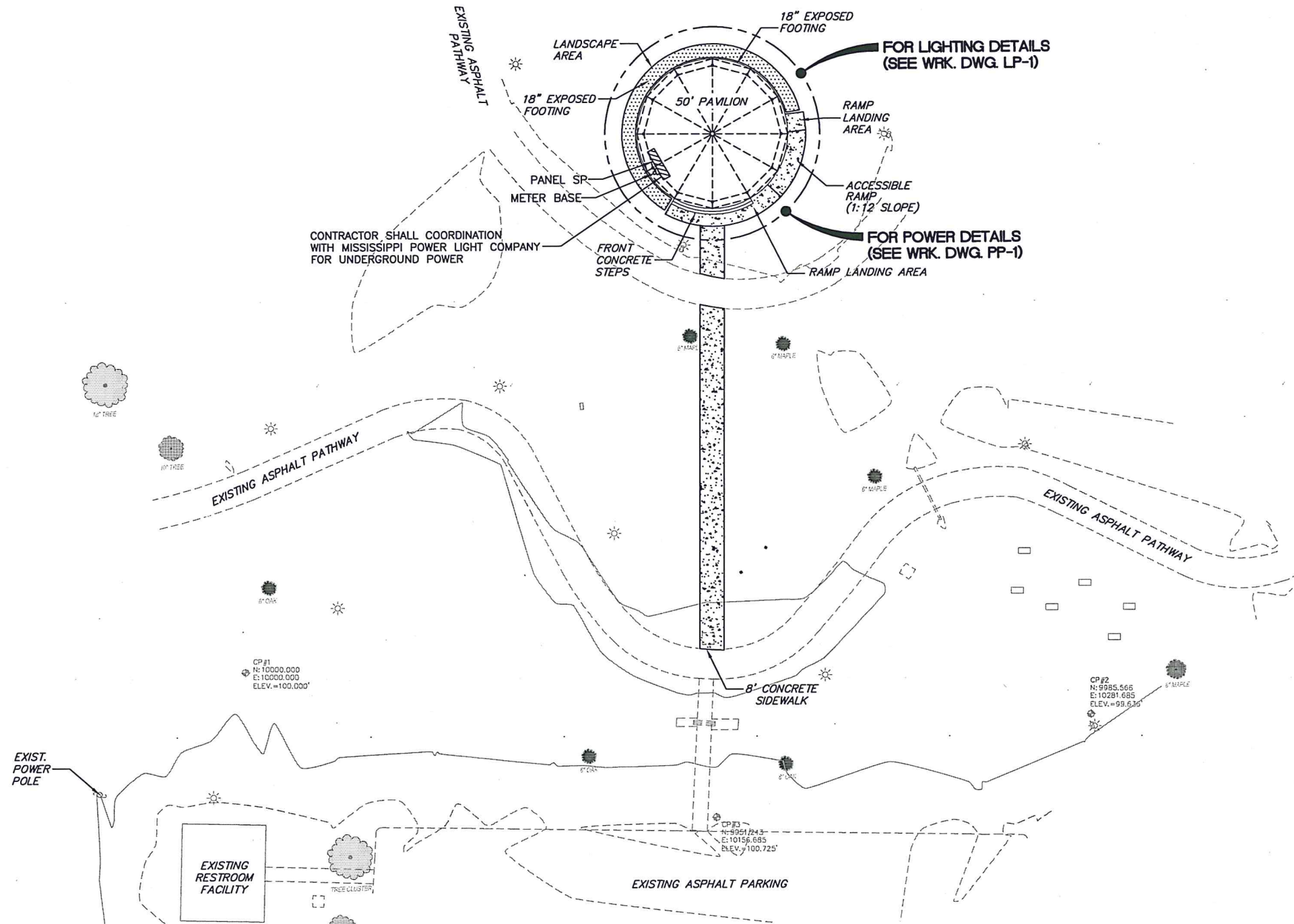
SULLIVAN PARK PAVILION

CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI



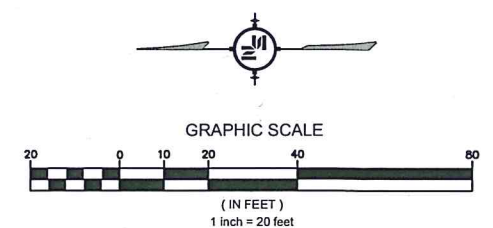
DETAILS

WORKING NUMBER:	DRAWING NUMBER:
DET-5	10



NOTE:
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER ONLY. THE CONTRACTOR SHALL DETERMINE ALL EXISTING UTILITIES BEFORE COMMENCING WORK.

ELECTRICAL SITE PLAN



NOTICE TO DRAWING HOLDER

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REVISIONS			DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	

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SCALE: 1" = 20'
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DSGN: VGR DATE: 12/2017
DRWN: JEM DATE: 12/2017
CHKD: X DATE: X
QA/QC: X DATE: X

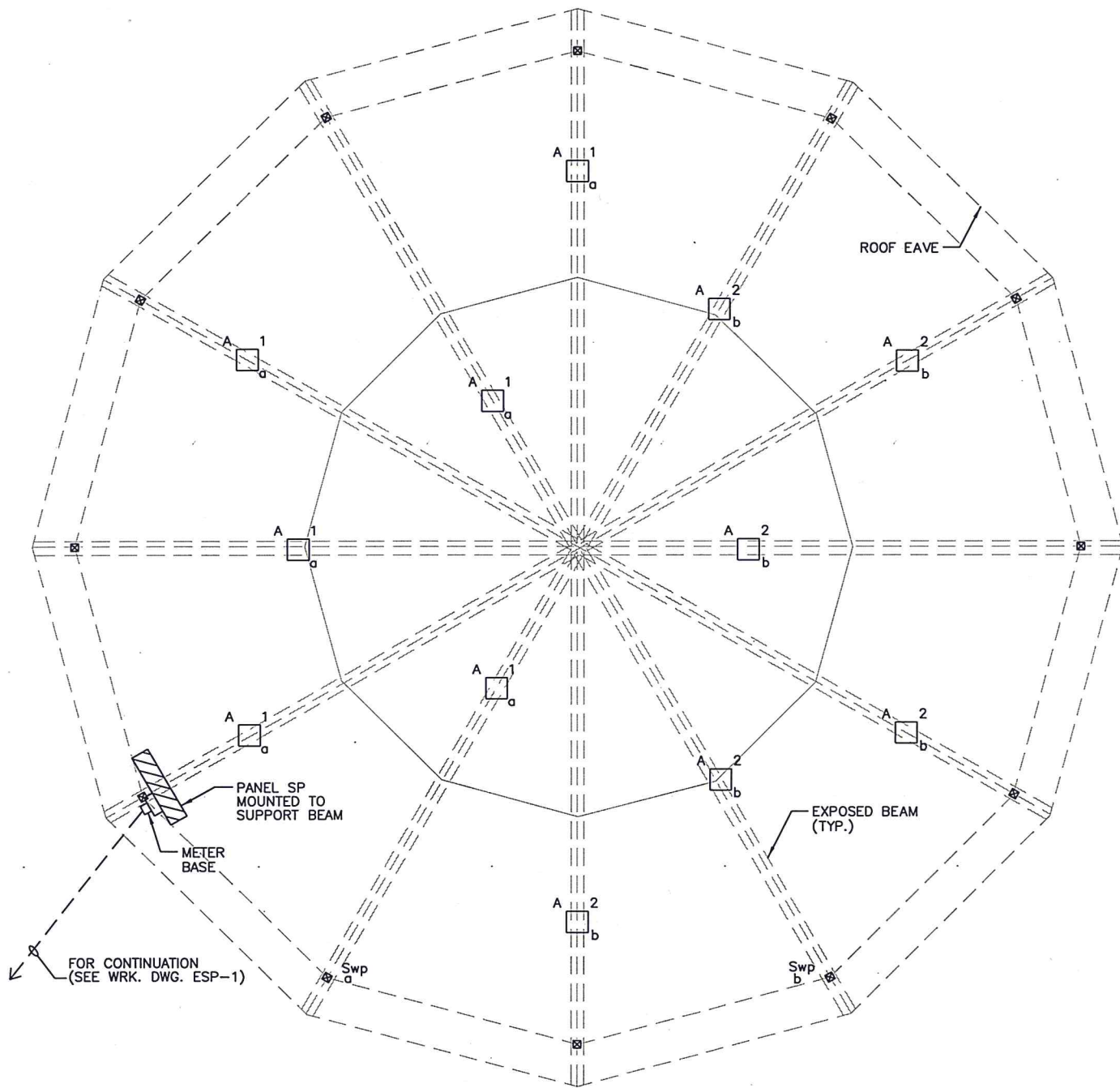
SULLIVAN PARK PAVILION

CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

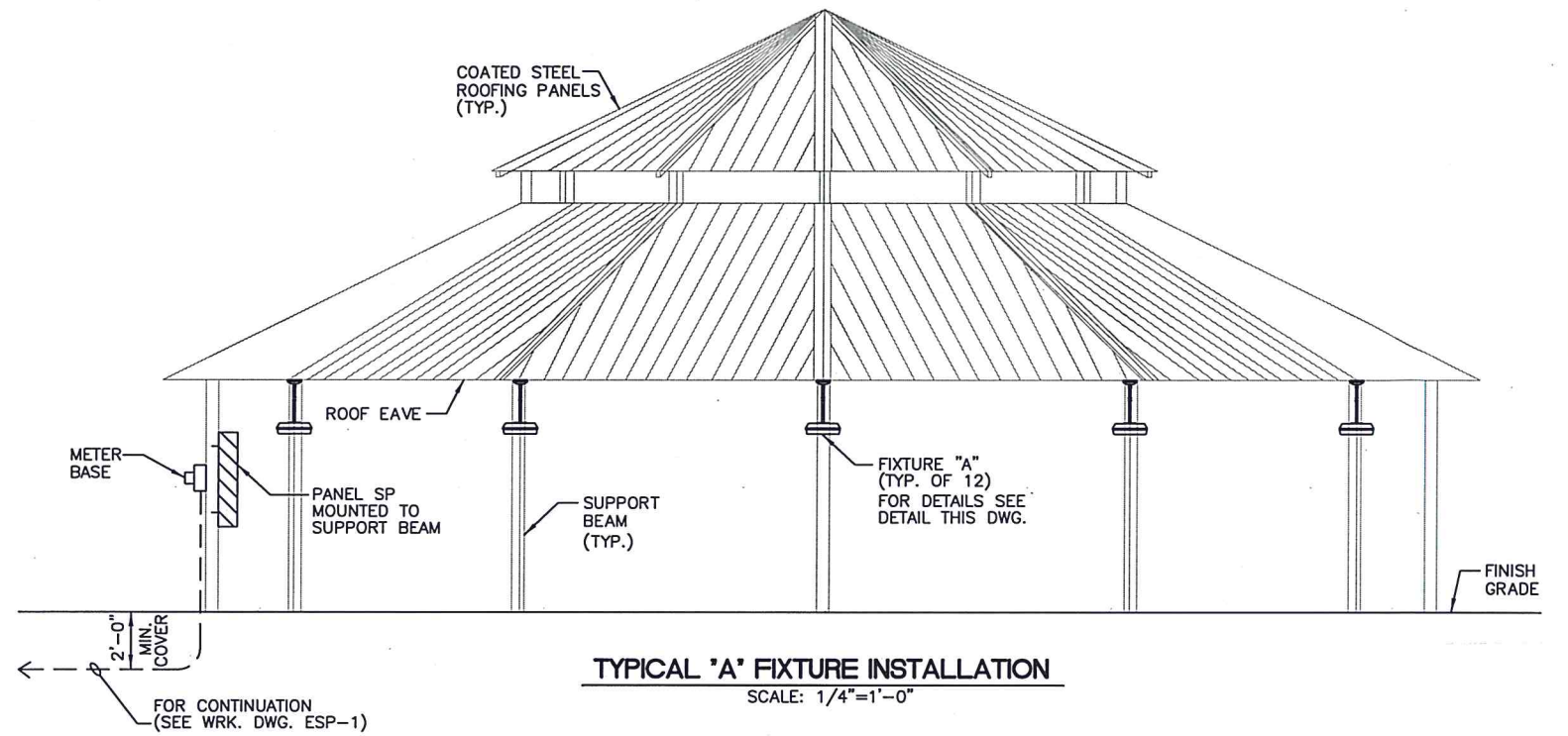


ELECTRICAL SITE PLAN
ADD ALTERNATE #1

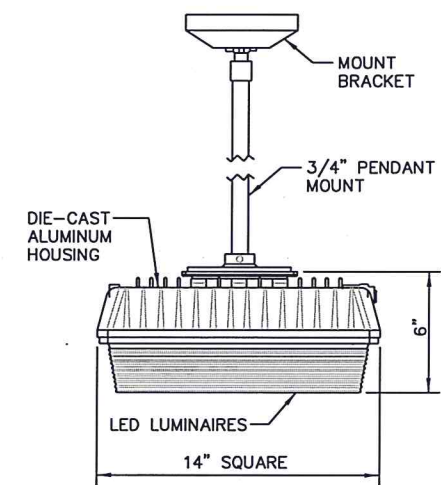
WORKING NUMBER: ESP-1	DRAWING NUMBER: 11
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LIGHTING PLAN
SCALE: 1/4"=1'-0"

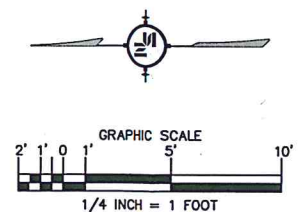


TYPICAL 'A' FIXTURE INSTALLATION
SCALE: 1/4"=1'-0"



LED CLCSLED LUMINAIRE LIGHTING ASSEMBLIES DETAIL
SCALE: N.T.S.

LIGHTING FIXTURE SCHEDULE							
SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NO.	LAMPS	VOLTS	MOUNTING	REMARKS
A	CLCSLED	LUMARK	CLCSLED-86-SM-UNV	LED	120	PENDANT	SEE DETAIL THIS DRAWING



\\neel-schaffer.com\Projects\666718 Hattiesburg Sullivan Park\DWG\666718 Elec Lighting Plan.dwg
Mon, 11 Dec 2017 - 12:47pm

NOTICE TO DRAWING HOLDER

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REVISIONS			DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	
			N-S PROJECT NO.: 8667.18	
			FILENAME: 8667.18 ELEC LIGHTING PLAN.DWG	
			SCALE: AS SHOWN	
			SURVEYED BY: NEEL-SCHAFER INC.	
			DSGN: VGR	DATE: 12/2017
			DRWN: JEM	DATE: 12/2017
			CHKD: X	DATE: X
			QA/QC: X	DATE: X

SULLIVAN PARK PAVILION

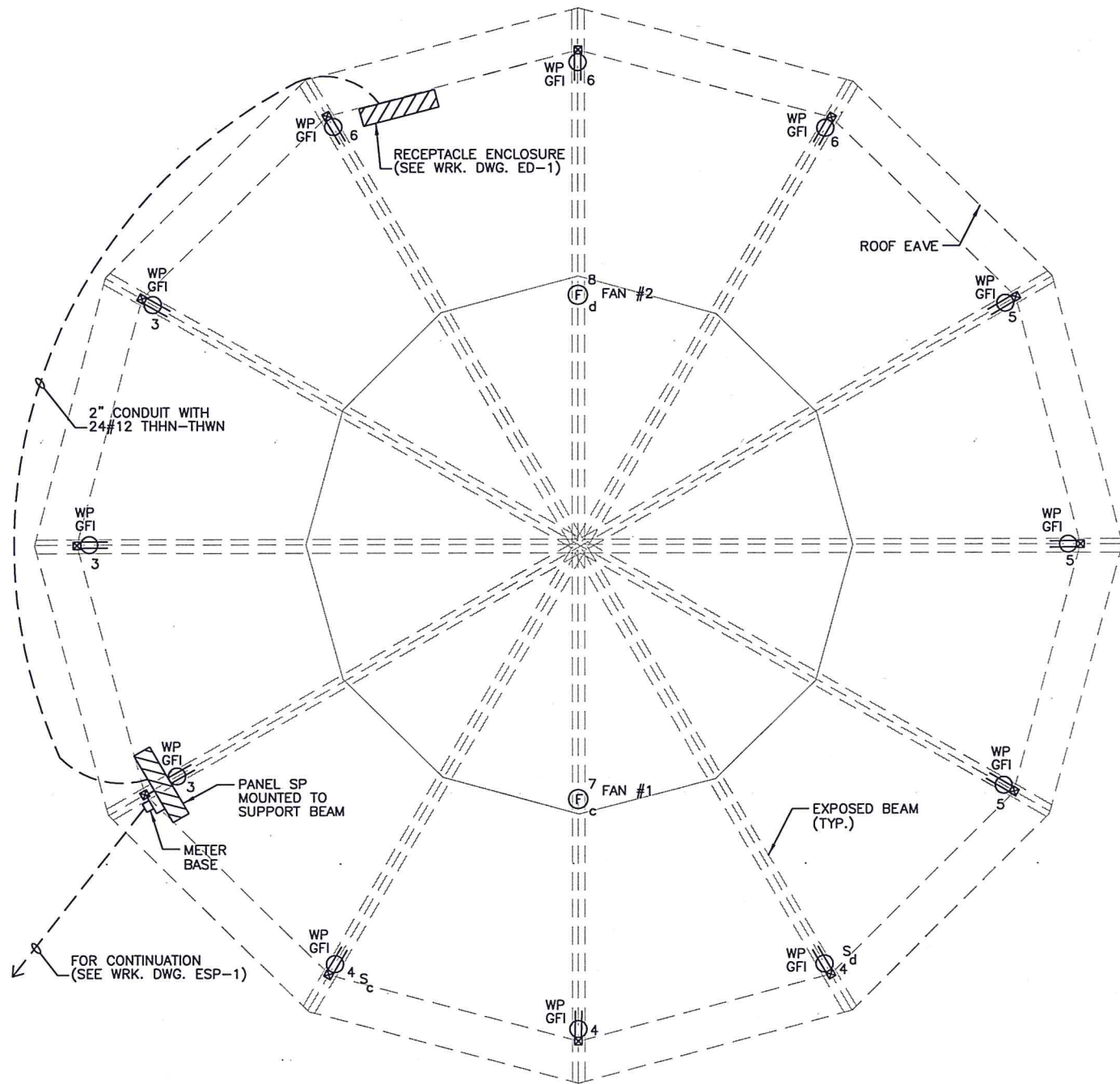
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI



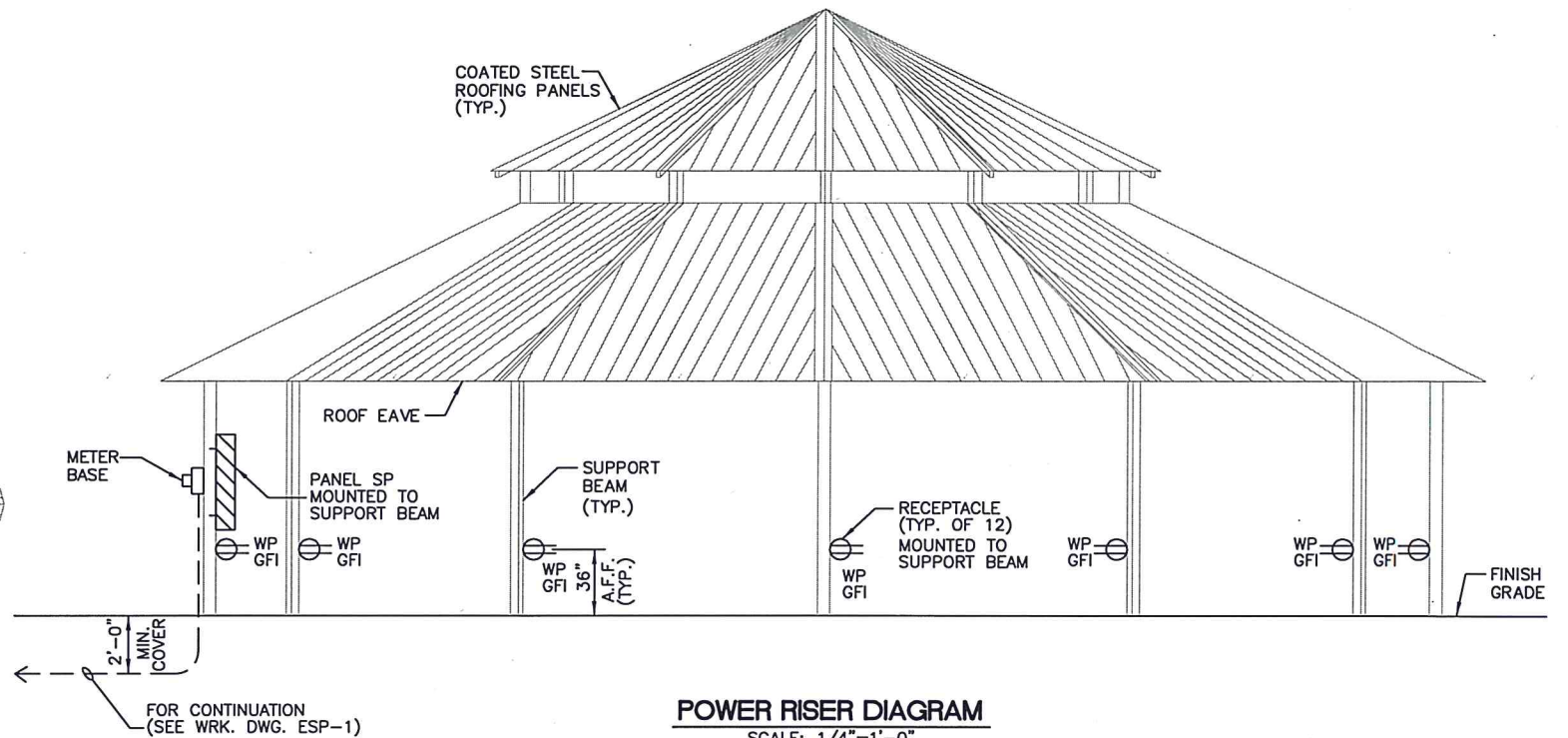
LIGHTING PLAN
ADD ALTERNATE #1

WORKING NUMBER:
LP-1

DRAWING NUMBER:
12

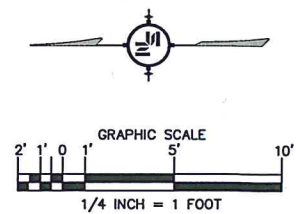


POWER PLAN
SCALE: 1/4"=1'-0"



POWER RISER DIAGRAM
SCALE: 1/4"=1'-0"

FAN SCHEDULE							
SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NO.	VOLTS	MOUNTING	LIGHT KIT	REMARKS
(F)	CEILING FAN	FANIMATION	V2	120VAC	SUSPENDED	LED	



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REVISIONS			DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	
			N-S PROJECT NO.: 8667.18	
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			SCALE: 1/4" = 1'-0"	
			SURVEYED BY: NEEL-SCHAFFER INC.	
			DSGN: VGR	DATE: 12/2017
			DRWN: JEM	DATE: 12/2017
			CHKD: X	DATE: X
			QA/QC: X	DATE: X

SULLIVAN PARK PAVILION

CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI



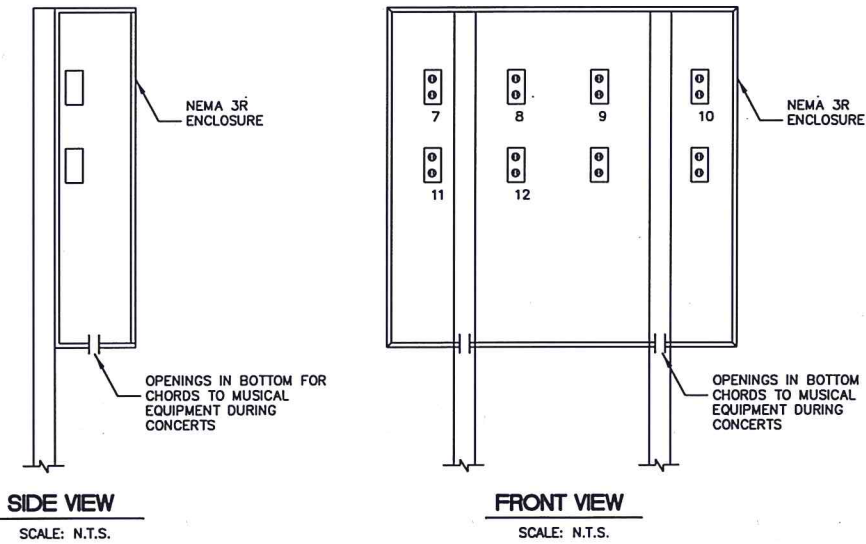
POWER PLAN
ADD ALTERNATE #1

WORKING NUMBER:
PP-1

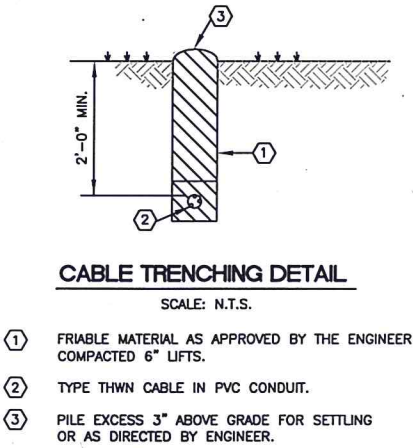
DRAWING NUMBER:
13

ELECTRICAL PLAN SYMBOLS LEGEND	
	POWER SUPPLY PANEL
	LIGHTING PANEL
	TELEPHONE PANEL
	BRANCH CIRCUIT CONCEALED IN WALL
	BRANCH CIRCUIT CONCEALED IN FLOOR
	BRANCH CIRCUIT EXPOSED
	HOME RUN TO PANEL, THREE CONDUCTORS PLUS GRD.
	HOME RUN TO PANEL, 2 CIRCUITS IN ONE RACEWAY
	S SINGLE POLE TOGGLE SWITCH
	S ₂ DOUBLE POLE TOGGLE SWITCH
	S ₃ THREE WAY SWITCH
	S ₄ FOUR WAY SWITCH
	S _p SINGLE POLE TOGGLE SWITCH WITH PILOT LIGHT
	NON-FUSED DISCONNECT SWITCH
	SIMPLEX CONVENIENCE OUTLET
	36" DUPLEX CONVENIENCE OUTLET (# = INCHES ABOVE FLOOR)
	GFI CONV. OUTLET W/ GROUND FAULT INTERRUPTER
	WP GFI WEATHERPROOF CONV. OUTLET W/ G.F.I.
	208 VAC RECEPTACLE
	TELEPHONE / DATA WALL OUTLET
	MOTOR (H.P.)
	FAN
	5'-6" THERMOSTAT 5'-6" UP
	JUNCTION BOX
	PHOTO ELECTRIC CONTROL / SENSING CELL AIMED NORTH
	UNDERGROUND CIRCUIT
	LED, COMPACT FLUORESCENT OR HID TYPE LIGHTING FIXTURE
	"A" FIXTURE TYPE
	"b" CONTROLLED BY SWITCH "b"
	"3" CIRCUIT NUMBER

PANEL SP SCHEDULE												
CIRCUIT NUMBER	WIRE SIZE	BREAKER SIZE	DESCRIPTION OF LOAD	LOAD KVA	KVA PER PHASE			LOAD KVA	DESCRIPTION OF LOAD	BREAKER SIZE	WIRE SIZE	CIRCUIT NUMBER
					A	B	C					
1	#12	20A/1P	LIGHTING NORTH	0.70	1.40			0.70	LIGHTING SOUTH	20A/1P	#12	2
3	#12	20A/1P	RECEPTACLES	0.60		1.20		0.60	RECEPTACLES	20A/1P	#12	4
5	#12	20A/1P	RECEPTACLES	0.60	1.20			0.60	RECEPTACLES	20A/1P	#12	6
7	#12	20A/1P	FAN #1	0.50		1.00		0.50	FAN #2	20A/1P	#12	8
9	#12	20A/1P	RECEPTACLES	1.00	2.00			1.00	RECEPTACLES	20A/1P	#12	10
11	#12	20A/1P	RECEPTACLES	1.00		2.00		1.00	RECEPTACLES	20A/1P	#12	12
13	#12	20A/1P	RECEPTACLES	1.00	2.00			1.00	RECEPTACLES	20A/1P	#12	14
15	#12	20A/1P	RECEPTACLES	1.00		2.00		1.00	RECEPTACLES	20A/1P	#12	16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37												38
39												40
41												42
POWER PANEL SP LOCATED IN PAVILION			TOTAL KVA	6.60	6.20		SERVICE CHARACTERISTICS: 120/240V – 1 PHASE – 3 WIRE – 60 Hz. 200 AMP. MAIN BREAKER WITH 200 AMP. BUS PROVIDE GROUND BUS NEMA 3R CABINET					
			GRAND CONNECTED TOTAL KVA	12.80								



RECEPTACLE ENCLOSURE WITH DUPLEX GFI RECEPTACLE
SCALE: N.T.S.



CABLE TRENCHING DETAIL
SCALE: N.T.S.

J:\Projects\Gulfport\8667.18 Hattiesburg Sullivan Park\DWG\8667.18 Elec Details.dwg
Mon, 11 Dec 2017 1:43pm

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REVISIONS			DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	
				N-S PROJECT NO.: 8667.18
				FILENAME: 8667.18 ELEC DETAILS.DWG
				SCALE: N.T.S.
				SURVEYED BY: NEEL-SCHAFFER INC.
				DSGN: VGR DATE: 12/2017
				DRWN: JEM DATE: 12/2017
				CHKD: X DATE: X
				QA/QC: X DATE: X

SULLIVAN PARK PAVILION

CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI



ELECTRICAL DETAILS
ADD ALTERNATE #1

WORKING NUMBER:
ED-1

DRAWING NUMBER:
14



***CONTRACT DOCUMENTS AND TECHNICAL
SPECIFICATIONS***

FOR
SULLIVAN PARK PAVILION

FOR THE
CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI
FORREST COUNTY



DECEMBER 2017

PREPARED BY



ADVERTISEMENT FOR BIDS

SULLIVAN PARK PAVILION

CITY OF HATTIESBURG, MISSISSIPPI

Sealed bids will be received by the City of Hattiesburg, at the City Clerk's office, Mississippi, hereafter referred to as Owner, located at 200 Forrest Street, Hattiesburg, Mississippi, 39401, until 10:00 A.M., Local Time, Thursday, January 25, 2018 for supplying all labor, equipment, and materials (as specified) necessary for the construction of the above referenced project. Work consists of constructing a pavilion at Sullivan Park.

The above general outline of features of the work does not in any way limit the responsibility of the Contractor to perform all work and furnish all labor, equipment and materials required by the specifications and the drawings referred to therein.

Bidder must be qualified under Mississippi Law and show current Certificate of Responsibility issued by the Mississippi State Board of Public Contractors establishing his classification as to the value and type of construction on which he is authorized to bid.

Each Bidder shall write his Certificate of Responsibility Number on the outside of the sealed envelope containing his proposal.

Proposals shall be submitted in duplicate, sealed and deposited with the Owner prior to the hour and date hereinbefore designated. No bidder may withdraw his bid within 90 days after the actual date of the opening thereof.

Awarding public contracts to non-resident Bidders will be on the same basis as the non-resident bidder's state awards contracts to Mississippi Contractors bidding under similar circumstances. In order to ensure that Mississippi's so-called Golden Rule is followed state law requires a non-resident bidder is to attach to his bid a copy of his resident state's current laws pertaining to such state's treatment of non-resident contractors.

Each Bidder must deposit with his proposal, a Bid Bond or Certified Check in an amount equal to five percent of his bid, payable to the Owner, as bid security. Bidders shall also submit a current financial statement, if requested, by the Owner. The successful bidder will be required to furnish a Payment Bond and Performance Bond each in the amount of 100 percent of the contract amount.

Bid documents are being made available via paper copy. Plan holders are required to log-in or register for an account at www.neel-schafferplans.com to view and order Bid Documents. All plan holders are required to have a valid email address for registration. Bid documents are non-refundable and must be purchased through the website. Questions regarding website registration and online orders please contact Plan House Printing at (601) 336-6378.

"Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition" as referred to herein, may be purchased from the Mississippi Department of Transportation.

The Owner hereby notifies all Bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged and women's business enterprises will be afforded the full

opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

The Engineer is Neel-Schaffer, Inc., 704 Hardy Street, Hattiesburg, Mississippi 39401; Phone No. (601) 545-1565, Fax No. (601)-545-2267. Geoffrey P. Crosby, P.E. – Senior Project Manager.

The Owner reserves the right to reject any and all bids and to waive any informalities or irregularities therein.

BY: _____
City Clerk
City of Hattiesburg, Mississippi

DATES OF PUBLICATION:

December 27, 2017

January 3, 2018

INSTRUCTIONS TO BIDDERS

SULLIVAN PARK PAVILION CITY OF HATTIESBURG, MISSISSIPPI

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1. COORDINATION OF SPECIFICATIONS

Work under this Contract shall be performed in accordance with the Contract Documents, which includes General Conditions, Supplementary Conditions and Technical Specifications contained therein. Division 200 through 800 of the *Mississippi Standard Specifications for Road and Bridge Construction*, 2017 Edition (can be downloaded at www.gomdot.com) is made a part hereof as if it were attached hereto, except where superseded by special provisions contained herein.

2. DATE AND PLACE OF OPENING OF PROPOSALS

The date, time, and place for opening Proposals will be as set out in the published "Advertisement for Bids."

The Owner reserves the right to postpone the date for presentation and opening of Proposals and will give notice of any such postponement to each known prospective Bidder.

3. FORM FOR PROPOSALS

Proposals must be submitted in duplicate on the forms furnished by the Owner and the envelope containing the Proposals must be sealed and addressed to:

City Clerk
City of Hattiesburg
200 Forrest Street
Hattiesburg, Mississippi 39401

The outside of the envelope containing the Proposal shall bear the inscription:

**SEALED BID FOR: SULLIVAN PARK PAVILION
CITY OF HATTIESBURG, MISSISSIPPI**

BY _____

Certificate of Responsibility No. _____

State License No. _____

The duplicate Proposals shall be in the form of one original Proposal, marked "ORIGINAL" and one photocopy (Xerox or similarly reproduced copy) marked "PHOTOCOPY" of the original Proposal.

If Proposals are forwarded by the U.S. Postal Service, delivery shall be by Registered or Certified Mail.

4. PREQUALIFICATION

All Bidders must be in good standing with the Owner. Bidders who are not in good standing with the Owner will not be considered for award of the contract. Good standing includes, among other things: (a) whether Bidder has failed to successfully complete the work or punchlist items under another Owner contract; (b) whether Bidder is currently, or has been in the past five years, involved in litigation with the Owner regarding work under another Owner contract, either as a general contractor or subcontractor; (c) whether Bidder has been or is currently in default under another Owner contract the past five years. with the Owner; or (d) whether Bidder has failed to fulfill provisions of another Owner contract within

5. CERTIFICATE OF RESPONSIBILITY

Prior to filing Bids on Owner projects (in excess of \$50,000), the prospective Bidder must obtain a Certificate of Responsibility from the Mississippi State Board of Public Contractors, establishing his classification as to the value and the type of construction on which he is authorized to bid. Application must be submitted to the Board at least 30 days prior to a regular Board meeting scheduled every Quarter on the first Tuesday of January, April, July and October.

6. ANNUAL LICENSE TO BID (Not Used)

7. CHARGES FOR PROPOSALS, PLANS AND SPECIFICATIONS

Prospective Bidders may obtain Proposal forms including one copy of Contract Documents upon payment of the amount of money stipulated in the "Advertisement for Bids."

No refunds will be made for return of Plans or Specifications.

In the event all Bids are rejected and the Project is re-advertised, the original Bidders shall **NOT** be entitled to free Bidders Proposal forms for the subsequent letting.

8. OMISSIONS AND DISCREPANCIES

Should a Bidder find discrepancies, errors or omissions in the Drawings or Specifications, or should he be in doubt as to the correctness of the Plan details, dimensions and layout, he should immediately notify the Engineer in order to permit checking and any necessary revisions or modifications.

9. ADDENDA

Prior to the date set for opening of Bids, the right is reserved, in the interests of the Owner, as it may require, to revise or amend the Contract Documents. Such revisions, if any, will be announced by an Addendum or Addenda, and copies of such Addenda will be furnished to all prospective Bidders who have purchased Plans and Specifications for acknowledgment by return fax. If the revisions and Addenda are of a nature which require material changes in quantities or prices Bid, or both, the date set for opening Bids may be postponed to enable Bidders to revise their Bids. In such case, the Addendum or Addenda will include an announcement of the new date for opening Bids.

10. INTERPRETATIONS

No oral interpretation made to any Bidder as to the meaning of the Contract Documents shall be

considered an effective modification of any of the provisions of the Contract Documents. In order to ensure appropriate and concise responses, and avoid any misinterpretations, no verbal questions will be received. Written requests for interpretation of the Plans and Specifications shall be submitted to the Engineer at least 10 days prior to opening of Proposals so that a formal decision can be given in writing to all known prospective Bidders in the form of an Addendum. The Contract Document contains the provisions required for the construction of the Project. Information obtained from an officer, agent, or employee of the Owner or any other person shall not affect the risks or obligations assumed by the Contractor or relieve him from fulfilling any of the conditions of the Contract.

11. BID SECURITY

All Bids shall be accompanied by a Bid Security in the form of a Certified Check upon a national or state bank or a Bid Bond made by a bonding company registered in the State of Mississippi, drawn and made payable to the Owner in an amount equal to five percent of the Bid. The Certified Check or Bid Bond must be enclosed in the same envelope with the Bid. Except as noted below, the Bid Security of all known unsuccessful Bidders will be returned promptly after a Notice of Award has been sent to the successful Bidder or in the event that all Bids are rejected.

The Bid Security of the next two lowest qualified Bidders will be retained until the Contract has been executed with the lowest qualified Bidder. The Bid Security of the successful Bidder will be returned when satisfactory Performance and Payment Bonds have been furnished and approved and the Contract executed.

12. GENERAL INFORMATION

Bidders shall inform themselves and comply with all pertinent Owner regulations and ordinances, State and Federal laws, licenses and tax liabilities which may in any manner affect their Bids and the prosecution of the work. The successful bidder will be responsible for obtaining all building, plumbing, and electrical permits required by the local city government. Special attention is directed to the rules and regulations published by the Mississippi State Tax Commission outlining certain taxes imposed on Contractors by the state of Mississippi.

13. REJECTION OF PROPOSAL

Proposals may be rejected in the case of any omission, alterations of forms, additions or conditions not called for, unauthorized alternate Bids, incomplete Bids, erasures or irregularities of any kind. Bids received conditioning their consideration or rejection upon Bids for the other work submitted by the same Bidder may be classed as irregular, unless the Contract Documents specifically invite or permit conditional or combination Bids. Bids in which the prices obviously are unbalanced may be rejected.

14. CONDITIONS OF WORK

Each Bidder must inform himself fully of the conditions relating to the construction of the Project and the employment of labor thereon. Failure to do so will not relieve a successful Bidder of his obligation to furnish all materials and labor necessary to carry out the provisions of his Contract. Insofar as possible, the Contractor, in carrying out his work, must employ such methods or means as will not cause any interruption of or interference with the work of any other Contractor.

15. SECURITY FOR FAITHFUL PERFORMANCE

Simultaneously with his delivery of the Executed Contract, the Contractor shall furnish a Performance Bond and a Payment Bond each in the sum of 100% of the Contract amount as security for faithful performance of his Contract and for the payment of all persons performing labor on the Project under his Contract and furnishing materials in connection with his Contract, as specified in the Contract Documents. The surety of such Bonds shall be issued by a duly authorized surety company listed on the Treasury Department's most current list Circular 570 (as amended) and satisfactory to the Owner.

Attorneys in fact who sign Bid Bonds or Payment Bonds and Performance Bonds must file with each bond a certified and effective dated copy of their Power of Attorney. Failure of the successful Bidder to execute the Contract and to supply the required bonds within 10 calendar days from the date that the Notice of Award is delivered, or within such extended period as the Owner may grant based upon reasons determined sufficient by the Owner, shall constitute a default, and the Owner, at his discretion, may either award the Contract to the next lowest qualified Bidder or readvertise for Bids, and may charge against the Bidder the difference between the amount for which a Contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the Bid Bond. If a more favorable bid is received by readvertising, the defaulting Bidder shall have no claim against the Owner for a refund. The Contractor's bond will not be released until all provisions of the Contract have been fulfilled.

16. INSURANCE

The Contractor will be required to carry the types and amounts of insurance named in the Contract Documents for the full life of the Contract.

17. SUBCONTRACTORS

Bidders are specifically advised that any person, firm or other party to whom it is proposed to award a Subcontract must be acceptable to the Owner. Nothing contained in the Contract Documents shall create any contractual relation between subcontractor and the Owner.

18. METHOD OF AWARD – LOWEST RESPONSIVE BIDDER

The Owner will award the Contract to the lowest and best Bid unless all Bids are rejected. The award will be based on the evaluation of the low bid for the total base bid or the total alternate bid as decided upon by the Owner.

The responsiveness of the low Bidder shall be determined by (1) the completeness and regularity of the Bidders Proposal; (2) the Bidders Proposal being without exclusions or special conditions; (3) the Bid Form having no alternative Bids for any item unless requested in the Technical Specifications; and (4) such other factors as may be considered under State law, Federal law or regulation.

The evaluation of the low bidder will be based on whether the Bidder (1) maintains a permanent place of business; (2) has adequate plant equipment to do the work properly and within the time limit that is established; (3) has adequate financial status to meet his obligations contingent to the work; (4) has adequate manpower and present workload is such that he can perform according to a reasonable schedule; and (5) such other factors as may be considered under State law, Federal law or regulation.

19. OBLIGATION OF BIDDER

At the time of the opening of Bids, each Bidder will be presumed to have inspected the site and to have read and to be thoroughly familiar with the Plans and Contract Documents (including all Addenda).

The failure or omission of any Bidder to examine any form, instrument or document shall in no way relieve any Bidder from any obligation in respect to his Bid. Submission of Bid shall be accepted as prima facie evidence that Bidder has inspected the site and is familiar with the Plans and Contract Documents.

20. SUBSURFACE DATA

Not Used.

21. EXECUTION OF CONTRACT

If the successful Bidder is a corporation, the officer who signs the Contract shall furnish copies of the resolution of the Directors of the corporation authorizing him to sign the contract. Such resolution should bear the seal of the corporation.

Subject to the applicable provisions of law, the Contract shall be in full force and effect only from and after the date when a fully executed and approved counterpart thereof has been rendered or delivered, or both, to the Contractor or his duly authorized agent or representative. Deposit of said counterpart in the United States mail in an envelope or wrapper properly addressed shall constitute compliance with these provisions by the Owner.

22. INTERCHANGEABLE TERMS

The terms "Bid" and "Proposal" wherever they are used in the Contract Documents are interchangeable and have the same meaning. The terms "Contract" and "Agreement", are interchangeable and have the same meaning. The terms "Contract Drawings" and "Plans", are interchangeable and have the same meaning.

23. QUALIFICATIONS OF BIDDER, OWNER'S RIGHTS

The Owner may make such investigation as it deems necessary to determine the ability of the Bidder to perform the work, and the Bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by or investigation of such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein.

24. MATERIALS AND EQUIPMENT

Whenever materials or equipment are specified or described in the Contract Documents by using the name of a manufacturer, fabricator, supplier, or distributor, the naming of the item in this manner is intended to establish the type, function and quality required. Materials or equipment of other manufacturers, fabricators, suppliers, or distributors may be accepted by the Engineer if sufficient information is submitted by the Contractor to allow the Engineer to determine that the material or equipment proposed is equivalent to that named in the Contract Documents. Bidders are referred to Section 6.3 of the General Conditions regarding procedures for approval of substitute materials and

equipment.

25. NON-RESIDENT BIDDERS

Awarding public contracts to non-resident Bidders will be on the same basis as the non-resident Bidder's state awards contractors to Mississippi Contractors bidding under similar circumstances. In order to ensure that Mississippi's so called "Golden Rule" is followed, state law requires a non-resident Bidder to attach to his bid a copy of his resident state's current laws pertaining to such state's treatment of non-resident contractors.

26. DESIGNATING OWNER AND ENGINEER

Any reference in the Contract Documents to the State of Mississippi, Mississippi Department of Transportation, Mississippi Transportation Commission, or any official thereof shall be interpreted to mean the City of Hattiesburg, Mississippi, the "Owner".

Any reference in the Standard Specifications to the Project Engineer, District Engineer, Office Engineer, or Engineer shall be interpreted to mean the Engineer for the City of Hattiesburg, Mississippi, Neel-Schaffer, Inc.

27. MATERIALS TESTING

The Contractor shall be responsible for all testing of materials associated with the project. Materials shall be tested in accordance to the requirements and frequencies outlined in the *Mississippi Standard Specifications for Road and Bridge Construction* (2017 Edition), and shall be considered an absorbed item.

28. CONTRACT TIME

The Contractor shall commence the work required by the Contract Documents within 10 calendar days after the date of the Notice to Proceed and will retain substantial completion within 150 consecutive calendar days of the Notice to Proceed date unless the period for completion is extended otherwise by the Contract Documents.

Substantial completion shall include completion of all work except for plant establishment (If landscaping additive alternate is selected). Final completion shall be at the end of the plant establishment period as defined in the specifications.

BIDDER'S PROPOSAL

SULLIVAN PARK PAVILION
CITY OF HATTIESBURG, MISSISSIPPI

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Bidder's Corporate Declaration	00300-8
Non-Collusion Affidavit	00300-9
Bid Bond	00300-10
Proposed Subcontractors	00300-12

BIDDER'S PROPOSAL
SULLIVAN PARK PAVILION
CITY OF HATTIESBURG, MISSISSIPPI

DATE: _____, 20_____

PROPOSAL OF _____
(Name of Bidder)

(Address of Bidder)

for construction of the Sullivan Park Pavilion.

The documents on which this Proposal is based include the Instructions to Bidders, Bid Forms, General Conditions, Supplementary Conditions, Supplemental General Conditions, Technical Specifications, Contract Drawings, and all supplements, amendments and addenda for this Project and are made a part hereof by reference.

TO: CITY OF HATTIESBURG
200 FORREST STREET
HATTIESBURG, MISSISSIPPI 39401

Gentlemen:

The following Proposal is submitted on behalf of the undersigned Bidder(s) and no others. Evidence of my (our) authority to submit the Proposal is hereby furnished. The Proposal is submitted without collusion on the part of any person, firm or corporation.

I (We), the undersigned Bidder(s), certify that I (we) have carefully examined the Instructions to Bidders, Bid Forms, General Conditions, Supplemental Conditions, Technical Specifications, Contract Drawings and any and all Addenda thereof.

I (We) further certify that I, (we) have visited and carefully examined the site of the proposed Work and have inspected the location and condition of all public utilities and existing structures or other facilities on the site or adjacent thereto which may be affected by the proposed construction and fully understand all conditions relative to construction difficulties, hazards, labor, transportation and all other factors affecting the prosecution of the work covered by this Proposal.

I (We) understand that the quantities mentioned below are approximate only and are subject to either increase or decrease, and hereby propose to perform any increased or decreased quantities of work at the unit prices bid. No increase in quantities of work shall be performed until a written change order is duly executed in advance and approved in the public minutes of the Owner.

In accordance with the requirements of the Instructions to Bidders, Bid Forms, Federal Supplement to Bidder's Proposal, Technical Specifications, General Conditions, Supplementary Conditions, Contract

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Drawings, and any Addenda, I (we) propose to furnish all necessary materials, equipment, labor, tools and other means of construction and will do all Work called for by the Contract Documents within the specified Contract Time. The following is my (our) itemized proposal for the project:

Prices Bid and Approximate Quantities – Base Bid					
Pay Item	Description	Qty	Unit	Unit Price	Price Extension
203-EX	BORROW EXCAVATION, AH, FME, CLASS B9	150	CU. YD.		
202-B	REMOVAL OF CONCRETE PAVEMENT	4	CU. YD.		
203-G	EXCESS EXCAVATION, FM, AH	75	CU. YD.		
234-A	TEMPORARY SILT FENCE	200	LIN. FT.		
237-A	WATTLES 12'	10	LIN. FT.		
246-A	SANDBAGS	10	EACH		
601-B	STRUCTURAL CONCRETE	70	CU. YD.		
602-A	#4 REBAR	2400	LBS.		
608-A	CONCRETE SIDEWALK, WITHOUT REINFORCEMENT	150	SQ. YD.		
620-A	MOBILIZATION	1	LUMP SUM		
1500-A	CONSTRUCTION OF PAVILION, PER PLANS	1	LUMP SUM		
1520-A	INSTALLATION OF HANDRAIL	70	LIN. FT.		
TOTAL BASE BID \$					

Prices Bid and Approximate Quantities – Add Alternate #1					
Pay Item	Description	Qty	Unit	Unit Price	Price Extension
1500-A	CONSTRUCTION OF ELECTRICAL SYSTEM	1	LUMP SUM		
TOTAL ADD ALTERNATE #1 \$					

Prices Bid and Approximate Quantities – Add Alternate #2					
Pay Item	Description	Qty	Unit	Unit Price	Price Extension
1520-A	INSTALLATION OF TRASH RECEPTACLE, PER PLANS	2	EACH		
1520-A	INSTALLATION OF PICNIC TABLE, PER PLANS	4	EACH		
1520-A	INSTALLATION OF BENCHES, PER PLANS	4	EACH		
TOTAL ADD ALTERNATE #2 \$					

Prices Bid and Approximate Quantities – Add Alternate #3					
Pay Item	Description	Qty	Unit	Unit Price	Price Extension
211-D	TOPSOIL FOR PLANT PITS, CONTRACTOR FURNISHED	20	CU. YD.		
216-B	SOLID SODDING, CENTIPEDE	200	SQ. YD.		
219-A	WATERING	50	KGAL		
230-A	SHRUB PLANTING, KNOCKOUT ROSE	15	EACH		
230-A	SHRUB PLANTING, DWARF YAUPON HOLLY	12	EACH		
230-D	BED PREPARATION	250	SQ. FT.		
232-A	FERTILIZER FOR WOODY PLANT MATERIAL, TABLET, 21 GRAM	27	EACH		
TOTAL ADD ALTERNATE #3 \$					

THE BIDDER'S TOTAL ABOVE IS HIS TOTAL BID BASED ON HIS UNIT PRICES AND LUMP SUM PRICES AND THE ESTIMATED QUANTITIES. THIS FIGURE IS FOR INFORMATION ONLY AT THE TIME OF OPENING BIDS. THE OWNER WILL MAKE THE BID TABULATION FROM THE UNIT PRICES AND LUMP SUM PRICES BID. IF THERE IS AN ERROR IN THE TOTAL BY THE BIDDER, IT SHALL BE CHANGED AS ONLY THE UNIT PRICES AND LUMP SUM PRICES SHALL GOVERN.

NOTE: FAILURE OF BIDDER TO INCLUDE PRICES FOR THE ALTERNATE BID ITEMS MAY RENDER HIS PROPOSAL NON-RESPONSIVE.

NOTE: Bids shall include sales tax and all other applicable taxes and fees.

I (We) further propose to execute the Contract Agreement as bound herein within ten working days after receipt of Contract Forms from the Owner and to complete the work within the contract time. I (We) agree to pay as liquidated damages the actual costs, expenses and other losses reasonably incurred by Owner for each consecutive calendar day beyond the specified Contract Time.

I (We) also propose to execute a Performance Bond and a Payment Bond, as shown in the Specifications, each in an amount of not less than one hundred percent (100%) of the total of my (our) Bid. These Bonds shall not only serve to guarantee the completion of the Work on my (our) part, but also to guarantee the excellence of both workmanship and materials until the Work is finally accepted.

I (We) enclose a Bid Bond or Certified Check for 5 percent of _____
_____, DOLLARS (\$ _____)
(Base Bid Amount)

and hereby agree that in case of my (our) failure to execute the Contract and furnish the Bonds within ten calendar days after delivery of the Notice of Award, the amount of this check (Bid Bond) will be forfeited to the Owner as liquidated damages arising out of my (our) failure to execute the Contract as proposed.

It is understood that in case I (we) am (are) not awarded the Work, the Certified Check or Bid Bond submitted as Bid security will be returned as stipulated in the Contract Documents.

Bidder acknowledges receipt of the following Addenda:

No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____

Respectfully Submitted,

Contractor(s)

By: _____
Title

Address

BIDDER'S CORPORATE DECLARATION
(TO BE FILLED IN IF BIDDER IS A CORPORATION)

Date: _____, 20_____.

Our corporation is chartered under the Laws of the state of _____ and the names, titles and business addresses of the executives are as follows:

President

Secretary

Treasurer

DECLARATION OF PARTNERSHIP

(To be filled in if a Bidder is a Partnership)

Our Partnership is composed of the following individuals:

Address

Address

NON-COLLUSION AFFIDAVIT

**SULLIVAN PARK PAVILION
CITY OF HATTIESBURG, MISSISSIPPI**

(THIS AFFIDAVIT MUST BE EXECUTED FOR THE BID TO BE CONSIDERED)

STATE OF _____)
COUNTY OF _____) ss.

_____ being first duly sworn,
(Person)
deposes and says that he is _____

(Sole owner, a partner, president, secretary, etc.)
of _____ the party making the foregoing Proposal or Bid;
(Name of Firm)

that such Bid is genuine and not collusive; that said Bidder is not financially interested in, or otherwise affiliated in a business way with any other bidder on the same contract; that said Bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to put in a sham bid, or that such other person shall refrain from bidding, and has not in any manner, directly or indirectly sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, or to secure any advantage against the Owner or any person or persons interested in the proposed contract; and that all statements contained in said Proposal or Bid are true; and further, that such Bidder has not, directly or indirectly submitted his Bid, or the contents thereof, or divulged information or data relative thereto to any association or to any member or agent thereof.

Affiant

Sworn to and subscribed before me this _____ day of _____, 20_____.

Notary Public in and for

_____ County,

(SEAL)

My Commission Expires
_____, 20_____.

BID BOND

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**SULLIVAN PARK PAVILION
CITY OF HATTIESBURG, MISSISSIPPI**

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned _____ as Principal, and _____ as Surety, are hereby held and firmly bound unto the Owner, in the penal sum of \$_____ for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns. Signed this ____ day of _____, 20 _____.

The condition of the above obligation is such that whereas the Principal has submitted to the Owner, a certain bid, attached hereto and hereby made a part hereof to enter into a contract in writing for the above referenced project.

NOW THEREFORE,

- (a) If said Bid shall be rejected, or in the alternate,
- (b) If said Bid shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said Bid) and shall furnish a bond for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bid,

then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such Bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to signed by their proper officers, the day and year first set forth above.

Contractor

SEAL

By:_____

Surety

SEAL

By:_____

PROPOSED SUBCONTRACTORS
SULLIVAN PARK PAVILION
CITY OF HATTIESBURG, MISSISSIPPI

The names and addresses of all persons and parties who will be utilized for subcontract Work in the foregoing Bidder's Proposal are listed below. (The Contractor must list all Subcontractors to be utilized on the Work. Failure to list Subcontractors may cause the Bidder's Proposal to be rejected by the Owner as non-responsive.) If the Bidder does not propose Subcontractors, so state.

NAME

ADDRESS

CONTRACT FORMS

SULLIVAN PARK PAVILION CITY OF HATTIESBURG, MISSISSIPPI

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CONTRACT

**SULLIVAN PARK PAVILION
CITY OF HATTIESBURG, MISSISSIPPI**

This Contract, made this the _____ day of _____, 20____, by and between the City of Hattiesburg, Mississippi, a municipal corporation, hereinafter called "Owner" and _____ doing business as a _____ located in _____ hereinafter called the "Contractor".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. THE CONTRACTOR will commence and complete the "Sullivan Park Pavilion" project in strict accordance with the Contract Documents and the Contract Drawings.
2. The Contractor will commence the work required by the CONTRACT DOCUMENTS within 10 calendar days after the date of the NOTICE TO PROCEED and will attain Final Completion within the contract time stipulated in the Advertisement for Bids unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS. The Contractor agrees to pay, as liquidated damages, the actual damages, costs, losses and expenses reasonably incurred by Owner for each consecutive calendar day that he shall be in default in attaining Final Completion within the time stipulated as provided herein.
3. The term "CONTRACT DOCUMENTS" means and includes Advertisement for Bids, Instructions to Bidders, Bidder's Proposal, Bid Bond, Contract, Payment Bond, Performance Bond, General Conditions, Supplementary Conditions, Technical Specifications, Contract Drawings, Notice of Award, Notice to Proceed, Addenda (if any), and all subsequent Change Orders, Supplemental Agreements and/or other modifications as if formally recopied in this Contract.
4. The Contractor agrees to furnish all materials in place and to faithfully complete all of said work contemplated by this Contract in good and workmanlike manner, strictly in accordance with said Contract Documents, Contract Drawings and other requirements of the Owner, and to the complete satisfaction of the Owner or his authorized representatives, and in accordance with the Laws of the state of Mississippi and the Ordinances of the Owner, for which the Owner hereby agrees to pay and the Contractor agrees to accept a sum of money in current funds equal to the contract amount of _____ (\$ _____) plus the amount of any supplemental agreements and force accounts for extra work authorized and duly set forth in a written change order approved and executed by the Owner and set forth in the public minutes of the Owner and in full compensation for furnishing all materials, the doing of all work contemplated under the Contract, as well as all loss or damage, if any, arising out of the nature of the work, or the action of the weather, and any and all other unforeseen obstructions or difficulties that may be encountered in the prosecution of the same, the Contractor assuming all risks of every kind and description in the performance of this Contract.

-
5. The Contractor shall protect, indemnify and save harmless the Owner from and against any and all damage, loss, claims, judgments or expenses, including but not limited to reasonable attorney's fees, which the Owner may suffer or be subjected to by the performance of the work, including but without limitation injury to or death of any person whomever and destruction or damage to any property whatsoever.
 6. Attached hereto and made a part of this Contract is a Performance Bond, executed by a Surety Company doing business in the state of Mississippi, in the sum of

(\$_____).
 7. Attached hereto and made a part of this Contract is a Payment Bond, executed by a Surety Company doing business in the state of Mississippi, in the sum of

(\$_____).
 8. The Contractor agrees to allow the Owner, or any of their duly authorized representatives, access to any books, documents, papers and records of the Contractor which are directly pertinent to the project which is the subject of this Contract, for the purpose of making audits, examinations, excerpts and transcriptions, and Contractor agrees to insert an identical clause in any and all subcontracts.
 9. The Owner will pay to the Contractor in the manner and at such times and amounts as set forth in the Contract Documents.
 10. This Contract shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.
 11. If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner his obligations under this Contract, or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Contract, the Owner shall thereupon have the right to terminate this Contract by giving written notice to the Contractor of such termination and specifying the effective date thereof, at least five days before the effective date of such termination. Notwithstanding the above, the Contractor shall not be relieved of liability to the Owner for damages sustained by the Owner by virtue of any breach of the Contract by the Contractor and the Owner may withhold any payments to the Contractor until such time as the exact amount of damages due the Owner from the Contractor is determined.

IN WITNESS THEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Contract in _____ counterparts, each of which shall be deemed an original on the date first above written. (number)

OWNER

CONTRACTOR

BY _____

BY _____

ATTEST _____

ATTEST _____

(Seal)

(Seal)

PARTNERSHIP CERTIFICATE

State of _____

County of _____ Ss.

On this _____ day of _____, 20_____, before me personally appeared _____, known to me and known by me to be the person who executed the above instrument, who being by me first duly sworn, did depose and say that he is a general partner in the firm of _____; that said firm consists of himself and _____; and that he executed the foregoing instrument on behalf of said firm for the uses and purposes stated herein.

Notary Public in the

County of _____

State of _____

Notary Seal

My Commission Expires:

CORPORATE CERTIFICATE

I, _____ certify that I am the Secretary of the Corporation named as Contractor in the foregoing Contract; that _____, who signed said Contract on behalf of the Contractor was then _____ of said Corporation; that said Contract was duly signed for and in behalf of said Corporation by authority of its governing body and is within the scope of its corporate powers.

Secretary

Corporate Seal

GENERAL INSTRUCTIONS FOR BONDS

1. The surety on each Bond must be a responsible surety company, which is qualified to do business in Mississippi and satisfactory to the Owner.
2. The name, including full Christian name and residence of each individual party to the Bond shall be inserted in the body thereof, and each such party shall sign the Bond with his usual signature on the line opposite the seal and if signed in Maine, Massachusetts or New Hampshire an adhesive seal shall be affixed opposite the signature. The bond must be either signed or countersigned by a Mississippi Resident Agent of the Surety Company.
3. If the principals are partners, their individual names will appear in the body of the Bond with the recital that they are partners composing a firm, naming it; and all the members of the firm shall execute the Bond as individuals.
4. The signature of a witness shall appear in the appropriate place, attesting to the signature of each individual party to the Bond.
5. If the principal or surety is a corporation, the name of the State in which incorporated shall be inserted in the appropriate place in the body of the Bond, and said instrument shall be executed and attested under the corporate seal as indicated in the form. If the corporation has no corporate seal the fact shall be stated, in which case, a scroll or adhesive seal shall appear following the corporate name.
6. The official character and authority of the person or persons executing the Bond for the principal, if a corporation, shall be certified by the secretary or assistant secretary, according to the form attached hereto. In lieu of such certificate there may be attached to the Bond copies of so much of the records of the corporation as will show the official character and authority of the officer signing, duly certified by the secretary or assistant secretary, under the corporate seal, to be true copies.
7. The date of this Bond must not be prior to the date of the Contract in connection with which it is given.
8. Surety Companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the project is located.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____ hereinafter called Principal, and
(Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto _____

(Name of Owner)

(Address of Owner)

hereinafter called OWNER, in the penal sum of _____ Dollars,
\$(_____) in lawful money of the United States, for the payment of which sum well
and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these
presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain
contract with the OWNER, dated _____ day of _____ 20 _____,
a copy of which is hereto attached and made a part hereof for the construction of :

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings,
covenants, terms, conditions, and agreements of said contract during the original term thereof, and any
extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the
one year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and
shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by
reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the
OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full
force and effect.

NOW, THEREFORE, if the Principal shall promptly make payment of all taxes, licenses, assignments,
contributions, damages, penalties, and interest thereon, when and as the same may lawfully be due the state of
Mississippi, or any county, municipality, board, department, commission, or political subdivision thereof, by
reason of and directly connected with the performance of said Contract or any part thereof as provided by
Sections 27-65-1, 27-65-21, 27-67-301 and 31-5-3, supra, or any other applicable statute or other authority,
then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no change,

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extension of time, alteration or addition to the terms of the contract or to the WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this statement is executed in _____ counterparts, each one of which shall
(number)
be deemed an original, this the _____ day of _____, 20 _____.

ATTEST:

(Principal) Secretary
(Seal)

Principal
By _____

(Address)

Witness as to Principal

(Address)

Surety

ATTEST:

By _____

Witness as to Surety

(Address)

(Address)

NOTE: Date of BOND must not be prior to date of Contract.
 If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the PROJECT is located.

KNOW ALL MEN BY THESE PRESENTS THAT

IN WITNESS WHEREOF, this statement is executed in _____ counterparts, each one of which shall
(number)
be deemed an original, this the _____ day of _____, 20 _____.

ATTEST:

(Principal) Secretary
(Seal)

Principal
By _____

(Address)

Witness as to Principal

(Address)

ATTEST:

Surety

By _____

Witness as to Surety

(Address)

(Address)

NOTE: Date of BOND must not be prior to date of Contract.
 If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most
 current list (Circular 570 as amended) and be authorized to transact business in the State
 where the PROJECT is located.

NOTICE OF AWARD

Date _____

TO: _____

RE: Sullivan Park Pavilion
 City of Hattiesburg, Mississippi

NOTICE OF AWARD

Gentlemen:

The Owner has considered the Proposal submitted by you for the above referenced Work in response to its Advertisement for Bids and Instructions to Bidders.

You are hereby notified that your Proposal has been accepted in the amount of \$_____.

You are required by the Instruction to Bidders to execute the Contract and furnish to the Owner the required Contractor's Performance Bond, Payment Bond and certificates of insurance within 10 calendar days from the date of delivery of this Notice to you. We have enclosed five copies of the necessary contract forms and bond forms. Please return all five copies of these documents to the offices of Neel-Schaffer, 704 Hardy Street, Hattiesburg, MS 39401.

If you fail to execute said Contract and to furnish said Bonds within 10 days from the date of delivery of this Notice, the Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your proposal as abandoned and as a forfeiture of your Bid Bond. The Owner will be entitled to such other rights as may be granted by Law.

You are required by the General Conditions and Supplementary Conditions to submit to Neel-Schaffer, Inc. an estimated progress schedule, a preliminary schedule of Shop Drawing submissions and a preliminary schedule of values of the Work within 10 days after the effective date of this Contract, all in accordance with Article 2.5 of the General Conditions.

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You are required to return an acknowledged copy of this Notice of Award directly to the City of Hattiesburg, Mississippi, Attention: Lamar Rutland, P.E., and to Neel-Schaffer, Inc.

Sincerely,

NEEL-SCHAFFER, INC.

Geoffrey P. Crosby, P.E.
Senior Project Manager

c: Lamar Rutland, P. E.
City of Hattiesburg
200 Forrest Street
Hattiesburg, MS 39401

ACCEPTANCE OF NOTICE

Receipt of the above Notice of Award is hereby acknowledged by _____ this, the
_____ day of _____, 20_____.

By _____

Title _____

NOTICE TO PROCEED

Date

To: _____

Attention: _____

REFERENCE: NOTICE TO PROCEED
SULLIVAN PARK PAVILION
CITY OF HATTIESBURG, MISSISSIPPI

Dear _____:

You are hereby notified to commence Work in accordance with the Contract dated _____, on or before _____. You are to complete the Work within ____ consecutive calendar days from the effective date of this Notice to Proceed. The date of Final Completion is therefore _____. Liquidated damages in the amount of the actual damages, costs, losses and expenses reasonably incurred by the OWNER per calendar day for each day the Work has not achieved Final Completion after _____ will be imposed unless the contract time is otherwise adjusted for due cause by change orders to the Contract. Liquidated Damages, as defined herein, will be assessed unless the Contract Time is otherwise adjusted for due cause by change order to the Contract.

The engineering firm of Neel-Schaffer, Inc. will act as the Engineer on behalf of the City of Hattiesburg, Mississippi for the work to be performed under the contract. Geoffrey P. Crosby, P.E., of Neel-Schaffer, Inc. will be the designated representative of the Engineer.

Please return a copy of this NOTICE TO PROCEED and ACCEPTANCE OF NOTICE to the undersigned and to Neel-Schaffer, Inc., indicating your receipt of this document in the space provided below.

Sincerely,

City of Hattiesburg, Mississippi

Mayor Toby Barker

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ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED

is hereby acknowledged by _____

this, the _____ **day**

of _____, **20**_____.

By_____

Title_____

CONTRACT CHANGE ORDER

OWNER: _____ PROJECT NAME: _____

CONTRACTOR: _____

DATE: _____

CHANGE ORDER NUMBER: _____ CONTRACT NUMBER: _____

REASON FOR CHANGE: _____

YOU ARE HEREBY REQUESTED TO COMPLY WITH THE FOLLOWING CHANGES FROM THE CONTRACT
PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS: (USE ADDITIONAL SHEETS IF REQUIRED)

ITEM NO.	DESCRIPTION OF CHANGE(S) (QUANTITIES, ETC.)	QTY	UNIT COST	TOTAL CONTRACT
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00

TOTAL CONTRACT CHANGE	\$
	TOTAL CONTRACT
ORIGINAL CONTRACT AMOUNT:	\$
CURRENT CONTRACT AMOUNT:	\$
THIS CONTRACT CHANGE	
REVISED CONTRACT AMOUNT:	\$
CURRENT CONTRACT COMPLETION DATE:	
TIME EXTENSION REQUIRED BY CHANGE:	
REVISED CONTRACT COMPLETION DATE:	
THIS DOCUMENT SHALL BE AN AMENDMENT TO THE CONTRACT AND ALL PROVISIONS OF THE CONTRACT WILL APPLY. RECOMMENDED BY: _____ ENGINEER _____ DATE _____ NEEL-SCHAFFER, INC. ACCEPTED BY: _____ CONTRACTOR _____ DATE _____	

**Engineers Joint Documents Committee
Design and Construction Related Documents
Instructions and License Agreement**

Instructions

Before you use any EJCDC document:

1. Read the License Agreement. You agree to it and are bound by its terms when you use the EJCDC document.
2. Make sure that you have the correct version for your word processing software.

How to Use:

1. While EJCDC has expended considerable effort to make the software translations exact, it can be that a few document controls (e.g., bold, underline) did not carry over.
2. Similarly, your software may change the font specification if the font is not available in your system. It will choose a font that is close in appearance. In this event, the pagination may not match the control set.
3. If you modify the document, you must follow the instructions in the License Agreement about notification.
4. Also note the instruction in the License Agreement about the EJCDC copyright.

License Agreement

You should carefully read the following terms and conditions before using this document. Commencement of use of this document indicates your acceptance of these terms and conditions. If you do not agree to them, you should promptly return the materials to the vendor, and your money will be refunded.

The Engineers Joint Contract Documents Committee ("EJCDC") provides **EJCDC Design and Construction Related Documents** and licenses their use worldwide. You assume sole responsibility for the selection of specific documents or portions thereof to achieve your intended results, and for the installation, use, and results obtained from **EJCDC Design and Construction Related Documents**.

You acknowledge that you understand that the text of the contract documents of **EJCDC Design and Construction Related Documents** has important legal consequences and that consultation with an attorney is recommended with respect to use or modification of the text. You further acknowledge that EJCDC documents are protected by the copyright laws of the United States.

License:

You have a limited nonexclusive license to:

1. Use **EJCDC Design and Construction Related Documents** on any number of machines owned, leased or rented by your company or organization.
2. Use **EJCDC Design and Construction Related Documents** in printed form for bona fide contract documents.
3. Copy **EJCDC Design and Construction Related Documents** into any machine readable or printed form for backup or modification purposes in support of your use of **EJCDC Design and Construction Related Documents**.

You agree that you will:

1. Reproduce and include EJCDC's copyright notice on any printed or machine-readable copy, modification, or portion merged into another document or program. All proprietary rights in **EJCDC Design and Construction Related Documents** are and shall remain the property of EJCDC.
2. Not represent that any of the contract documents you generate from **EJCDC Design and Construction Related Documents** are EJCDC documents unless (i) the document text is used without alteration or (ii) all additions and changes to, and deletions from, the text are clearly shown.

You may not use, copy, modify, or transfer EJCDC Design and Construction Related Documents, or any copy, modification or merged portion, in whole or in part, except as expressly provided for in this license. Reproduction of EJCDC Design and Construction Related Documents in printed or machine-readable format for resale or educational purposes is expressly prohibited.

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Term:

The license is effective until terminated. You may terminate it at any time by destroying **EJCDC Design and Construction Related Documents** altogether with all copies, modifications and merged portions in any form. It will also terminate upon conditions set forth elsewhere in this Agreement or if you fail to comply with any term or condition of this Agreement. You agree upon such termination to destroy **EJCDC Design and Construction Related Documents** along with all copies, modifications and merged portions in any form.

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2. if EJCDC's selling agent is unable to deliver a replacement CD or diskette which is free of defects in materials and workmanship, you may terminate this Agreement by returning EJCDC Document and your money will be refunded.

In no event will EJCDC be liable to you for any damages, including any lost profits, lost savings or other incidental or consequential damages arising out of the use or inability to use **EJCDC Design and Construction**

Related Documents even if EJCDC has been advised of the possibility of such damages, or for any claim by any other party.

Some states do not allow the limitation or exclusion of liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you.

General:

You may not sublicense, assign, or transfer this license except as expressly provided in this Agreement. Any attempt otherwise to sublicense, assign, or transfer any of the rights, duties, or obligations hereunder is void.

This Agreement shall be governed by the laws of the State of Virginia. Should you have any questions concerning this Agreement, you may contact EJCDC by writing to:

Arthur Schwartz, Esq.
General Counsel
National Society of Professional Engineers
1420 King Street
Alexandria, VA 22314

Phone: (703) 684-2845
Fax: (703) 836-4875
e-mail: aschwartz@nspe.org

You acknowledge that you have read this agreement, understand it and agree to be bound by its terms and conditions. You further agree that it is the complete and exclusive statement of the agreement between us which supersedes any proposal or prior agreement, oral or written, and any other communications between us relating to the subject matter of this agreement.

This document has important legal consequences; consultation with an attorney is encouraged with respect to its use or modification. This document should be adapted to the particular circumstances of the contemplated Project and the Controlling Law.

STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

Prepared by

ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

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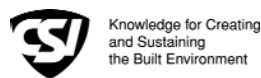
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National Society of Professional Engineers
1420 King Street, Alexandria, VA 22314

American Council of Engineering Companies
1015 15th Street, N.W., Washington, DC 20005

American Society of Civil Engineers
1801 Alexander Bell Drive, Reston, VA 20191-4400

These General Conditions have been prepared for use with the Suggested Forms of Agreement Between Owner and Contractor Nos. C-520 or C-525 (2002 Editions). Their provisions are interrelated and a change in one may necessitate a change in the other. Comments concerning their usage are contained in the EJCDC Construction Documents, General and Instructions (No. C-001) (2002 Edition). For guidance in the preparation of Supplementary Conditions, see Guide to the Preparation of Supplementary Conditions (No. C-800) (2002 Edition).

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GENERAL CONDITIONS

ARTICLE 1 - DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

A. Wherever used in the Bidding Requirements or Contract Documents and printed with initial capital letters, the terms listed below will have the meanings indicated which are applicable to both the singular and plural thereof. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.

1. *Addenda*--Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.

2. *Agreement*--The written instrument which is evidence of the agreement between Owner and Contractor covering the Work.

3. *Application for Payment*--The form acceptable to Engineer which is to be used by Contractor during the course of the Work in requesting progress or final payments and which is to be accompanied by such supporting documentation as is required by the Contract Documents.

4. *Asbestos*--Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.

5. *Bid*--The offer or proposal of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

6. *Bidder*--The individual or entity who submits a Bid directly to Owner.

7. *Bidding Documents*--The Bidding Requirements and the proposed Contract Documents (including all Addenda).

8. *Bidding Requirements*--The Advertisement or Invitation to Bid, Instructions to Bidders, bid security of acceptable form, if any, and the Bid Form with any supplements.

9. *Change Order*--A document recommended by Engineer which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, issued on or after the Effective Date of the Agreement.

10. *Claim*--A demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both, or other relief with respect to the terms of the Contract. A demand for money or services by a third party is not a Claim.

11. *Contract*--The entire and integrated written agreement between the Owner and Contractor concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral.

12. *Contract Documents*-- Those items so designated in the Agreement. Only printed or hard copies of the items listed in the Agreement are Contract Documents. Approved Shop Drawings, other Contractor's submittals, and the reports and drawings of subsurface and physical conditions are not Contract Documents.

13. *Contract Price*--The moneys payable by Owner to Contractor for completion of the Work in accordance with the Contract Documents as stated in the Agreement (subject to the provisions of Paragraph 11.03 in the case of Unit Price Work).

14. *Contract Times*--The number of days or the dates stated in the Agreement to: (i) achieve Milestones, if any, (ii) achieve Substantial Completion; and (iii) complete the Work so that it is ready for final payment as evidenced by Engineer's written recommendation of final payment.

15. *Contractor*--The individual or entity with whom Owner has entered into the Agreement.

16. *Cost of the Work*--See Paragraph 11.01.A for definition.

17. *Drawings*--That part of the Contract Documents prepared or approved by Engineer which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.

18. *Effective Date of the Agreement*--The date indicated in the Agreement on which it becomes effective, but if no such date is indicated, it means the date on which the Agreement is signed and delivered by the last of the two parties to sign and deliver.

19. *Engineer*--The individual or entity named as such in the Agreement.

20. *Field Order*--A written order issued by Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or the Contract Times.

21. *General Requirements*--Sections of Division 1 of the Specifications. The General Requirements pertain to all sections of the Specifications.

22. *Hazardous Environmental Condition*--The presence at the Site of Asbestos, PCBs, Petroleum, Hazardous Waste, or Radioactive Material in such quantities or circumstances that may present a substantial danger to persons or property exposed thereto in connection with the Work.

23. *Hazardous Waste*--The term Hazardous Waste shall have the meaning provided in Section 1004 of the Solid Waste Disposal Act (42 USC Section 6903) as amended from time to time.

24. *Laws and Regulations; Laws or Regulations*--Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.

25. *Liens*--Charges, security interests, or encumbrances upon Project funds, real property, or personal property.

26. *Milestone*--A principal event specified in the Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all the Work.

27. *Notice of Award*--The written notice by Owner to the Successful Bidder stating that upon timely compliance by the Successful Bidder with the conditions precedent listed therein, Owner will sign and deliver the Agreement.

28. *Notice to Proceed*--A written notice given by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work under the Contract Documents.

29. *Owner*--The individual or entity with whom Contractor has entered into the Agreement and for whom the Work is to be performed.

30. *PCBs*--Polychlorinated biphenyls.

31. *Petroleum*--Petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute), such as oil, petroleum, fuel oil, oil sludge, oil refuse, gasoline, kerosene, and oil mixed with other non-Hazardous Waste and crude oils.

32. *Progress Schedule*--A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising the Contractor's plan to accomplish the Work within the Contract Times.

33. *Project*--The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part.

34. *Project Manual*--The bound documentary information prepared for bidding and constructing the Work. A listing of the contents of the Project Manual, which may be bound in one or more volumes, is contained in the table(s) of contents.

35. *Radioactive Material*--Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954 (42 USC Section 2011 et seq.) as amended from time to time.

36. *Related Entity* -- An officer, director, partner, employee, agent, consultant, or subcontractor.

37. *Resident Project Representative*--The authorized representative of Engineer who may be assigned to the Site or any part thereof.

38. *Samples*--Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.

39. *Schedule of Submittals*--A schedule, prepared and maintained by Contractor, of required submittals and the time requirements to support scheduled performance of related construction activities.

40. *Schedule of Values*--A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

41. *Shop Drawings*--All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.

42. *Site*--Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements for access thereto, and such other lands furnished by Owner which are designated for the use of Contractor.

43. *Specifications*--That part of the Contract Documents consisting of written requirements for materials, equipment, systems, standards and workmanship as applied to the Work, and certain

administrative requirements and procedural matters applicable thereto.

44. *Subcontractor*--An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work at the Site.

45. *Substantial Completion*--The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Work refer to Substantial Completion thereof.

46. *Successful Bidder*--The Bidder submitting a responsive Bid to whom Owner makes an award.

47. *Supplementary Conditions*--That part of the Contract Documents which amends or supplements these General Conditions.

48. *Supplier*--A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or any Subcontractor.

49. *Underground Facilities*--All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.

50. *Unit Price Work*--Work to be paid for on the basis of unit prices.

51. *Work*--The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction, and furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.

52. *Work Change Directive*--A written statement to Contractor issued on or after the Effective Date of the Agreement and signed by Owner and recommended by Engineer ordering an addition, deletion, or revision in the Work, or responding to differing or unforeseen subsurface or physical conditions under which the Work is to be performed or to emergencies. A Work Change Directive will not change the Contract Price or the Contract Times

but is evidence that the parties expect that the change ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order following negotiations by the parties as to its effect, if any, on the Contract Price or Contract Times.

1.02 Terminology

A. The following words or terms are not defined but, when used in the Bidding Requirements or Contract Documents, have the following meaning.

B. Intent of Certain Terms or Adjectives

1. The Contract Documents include the terms "as allowed," "as approved," "as ordered", "as directed" or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives "reasonable," "suitable," "acceptable," "proper," "satisfactory," or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action or determination will be solely to evaluate, in general, the Work for compliance with the requirements of and information in the Contract Documents and conformance with the design concept of the completed Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of Paragraph 9.09 or any other provision of the Contract Documents.

C. Day

1. The word "day" means a calendar day of 24 hours measured from midnight to the next midnight.

D. Defective

1. The word "defective," when modifying the word "Work," refers to Work that is unsatisfactory, faulty, or deficient in that it:

- a. does not conform to the Contract Documents, or
- b. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents, or
- c. has been damaged prior to Engineer's - recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 14.04 or 14.05).

E. Furnish, Install, Perform, Provide

1. The word “furnish,” when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.

2. The word “install,” when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.

3. The words “perform” or “provide,” when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.

4. When “furnish,” “install,” “perform,” or “provide” is not used in connection with services, materials, or equipment in a context clearly requiring an obligation of Contractor, “provide” is implied.

F. Unless stated otherwise in the Contract Documents, words or phrases which have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2 - PRELIMINARY MATTERS

2.01 *Delivery of Bonds and Evidence of Insurance*

A. When Contractor delivers the executed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner such bonds as Contractor may be required to furnish.

B. *Evidence of Insurance:* Before any Work at the Site is started, Contractor and Owner shall each deliver to the other, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance which either of them or any additional insured may reasonably request) which Contractor and Owner respectively are required to purchase and maintain in accordance with Article 5.

2.02 *Copies of Documents*

A. Owner shall furnish to Contractor up to ten printed or hard copies of the Drawings and Project Manual. Additional copies will be furnished upon request at the cost of reproduction.

2.03 *Commencement of Contract Times; Notice to Proceed*

A. The Contract Times will commence to run on the thirtieth day after the Effective Date of the Agreement

or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Agreement. In no event will the Contract Times commence to run later than the sixtieth day after the day of Bid opening or the thirtieth day after the Effective Date of the Agreement, whichever date is earlier.

2.04 *Starting the Work*

A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work shall be done at the Site prior to the date on which the Contract Times commence to run.

2.05 *Before Starting Construction*

A. *Preliminary Schedules:* Within 10 days after the Effective Date of the Agreement (unless otherwise specified in the General Requirements), Contractor shall submit to Engineer for timely review:

1. a preliminary Progress Schedule; indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract Documents;

2. a preliminary Schedule of Submittals; and

3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

2.06 *Preconstruction Conference*

A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work and to discuss the schedules referred to in Paragraph 2.05.A, procedures for handling Shop Drawings and other submittals, processing Applications for Payment, and maintaining required records.

2.07 *Initial Acceptance of Schedules*

A. At least 10 days before submission of the first Application for Payment a conference attended by Contractor, Engineer, and others as appropriate will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with Paragraph 2.05.A. Contractor shall have an additional 10 days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer.

1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work nor interfere with or relieve Contractor from Contractor's full responsibility therefor.

2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.

3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to component parts of the Work.

ARTICLE 3 - CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

3.01 *Intent*

A. The Contract Documents are complementary; what is required by one is as binding as if required by all.

B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended result will be provided whether or not specifically called for at no additional cost to Owner.

C. Clarifications and interpretations of the Contract Documents shall be issued by Engineer as provided in Article 9.

3.02 *Reference Standards*

A. Standards, Specifications, Codes, Laws, and Regulations

1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard, specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Agreement if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.

2. No provision of any such standard, specification, manual or code, or any instruction of a Supplier shall be effective to change the duties or

responsibilities of Owner, Contractor, or Engineer, or any of their subcontractors, consultants, agents, or employees from those set forth in the Contract Documents. No such provision or instruction shall be effective to assign to Owner, or Engineer, or any of, their Related Entities, any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

3.03 *Reporting and Resolving Discrepancies*

A. Reporting Discrepancies

1. *Contractor's Review of Contract Documents Before Starting Work:* Before undertaking each part of the Work, Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures therein and all applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy which Contractor may discover and shall obtain a written interpretation or clarification from Engineer before proceeding with any Work affected thereby.

2. *Contractor's Review of Contract Documents During Performance of Work:* If, during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents or between the Contract Documents and any provision of any Law or Regulation applicable to the performance of the Work or of any standard, specification, manual or code, or of any instruction of any Supplier, Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 6.16.A) until an amendment or supplement to the Contract Documents has been issued by one of the methods indicated in Paragraph 3.04.

3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor knew or reasonably should have known thereof.

B. Resolving Discrepancies

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:

a. the provisions of any standard, specification, manual, code, or instruction (whether or not specifically incorporated by reference in the Contract Documents); or

b. the provisions of any Laws or Regulations applicable to the performance of the Work

(unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 *Amending and Supplementing Contract Documents*

A. The Contract Documents may be amended to provide for additions, deletions, and revisions in the Work or to modify the terms and conditions thereof by either a Change Order or a Work Change Directive.

B. The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work may be authorized, by one or more of the following ways:

1. A Field Order;

2. Engineer's approval of a Shop Drawing or Sample; (Subject to the provisions of Paragraph 6.17.D.3); or

3. Engineer's written interpretation or clarification.

3.05 *Reuse of Documents*

A. Contractor and any Subcontractor or Supplier or other individual or entity performing or furnishing all of the Work under a direct or indirect contract with Contractor, shall not:

1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or Engineer's consultants, including electronic media editions; or

2. reuse any of such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaption by Engineer.

B. The prohibition of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes.

3.06 *Electronic Data*

A. Copies of data furnished by Owner or Engineer to Contractor or Contractor to Owner or Engineer that may be relied upon are limited to the printed copies (also known as hard copies). Files in electronic media format of text, data, graphics, or other types are furnished only for the convenience of the receiving party. Any conclusion or information obtained or derived from such electronic files will be at the user's

sole risk. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

B. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within 60 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 60-day acceptance period will be corrected by the transferring party..

C. When transferring documents in electronic media format, the transferring party makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by the data's creator.

ARTICLE 4 - AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS; REFERENCE POINTS

4.01 *Availability of Lands*

A. Owner shall furnish the Site. Owner shall notify Contractor of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work. Owner will obtain in a timely manner and pay for easements for permanent structures or permanent changes in existing facilities. If Contractor and Owner are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of any delay in Owner's furnishing the Site or a part thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.

B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which the Work is to be performed and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.

C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

4.02 *Subsurface and Physical Conditions*

A. *Reports and Drawings:* The Supplementary Conditions identify:

1. those reports of explorations and tests of subsurface conditions at or contiguous to the Site that Engineer has used in preparing the Contract Documents; and

2. those drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) that Engineer has used in preparing the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the “technical data” contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such “technical data” is identified in the Supplementary Conditions. Except for such reliance on such “technical data,” Contractor may not rely upon or make any claim against Owner or Engineer, or any of their Related Entities with respect to:

1. the completeness of such reports and drawings for Contractor’s purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any “technical data” or any such other data, interpretations, opinions, or information.

4.03 *Differing Subsurface or Physical Conditions*

A. *Notice:* If Contractor believes that any subsurface or physical condition at or contiguous to the Site that is uncovered or revealed either:

1. is of such a nature as to establish that any “technical data” on which Contractor is entitled to rely as provided in Paragraph 4.02 is materially inaccurate; or

2. is of such a nature as to require a change in the Contract Documents; or

3. differs materially from that shown or indicated in the Contract Documents; or

4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except as aforesaid) until receipt of written order to do so.

B. *Engineer’s Review:* After receipt of written notice as required by Paragraph 4.03.A, Engineer will promptly review the pertinent condition, determine the necessity of Owner’s obtaining additional exploration or tests with respect thereto, and advise Owner in writing (with a copy to Contractor) of Engineer’s findings and conclusions.

C. Possible Price and Times Adjustments

1. The Contract Price or the Contract Times, or both, will be equitably adjusted to the extent that the existence of such differing subsurface or physical condition causes an increase or decrease in Contractor’s cost of, or time required for, performance of the Work; subject, however, to the following:

a. such condition must meet any one or more of the categories described in Paragraph 4.03.A; and

b. with respect to Work that is paid for on a Unit Price Basis, any adjustment in Contract Price will be subject to the provisions of Paragraphs 9.07 and 11.03.

2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if:

a. Contractor knew of the existence of such conditions at the time Contractor made a final commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract; or

b. the existence of such condition could reasonably have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor’s making such final commitment; or

c. Contractor failed to give the written notice as required by Paragraph 4.03.A.

3. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, a Claim may be made therefor as provided in Paragraph 10.05. However, Owner and Engineer, and any of their Related Entities shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

4.04 *Underground Facilities*

A. *Shown or Indicated:* The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:

1. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data; and

2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:

- a. reviewing and checking all such information and data,
- b. locating all Underground Facilities shown or indicated in the Contract Documents,
- c. coordination of the Work with the owners of such Underground Facilities, including Owner, during construction, and
- d. the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

B. *Not Shown or Indicated*

1. If an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents, Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer. Engineer will

promptly review the Underground Facility and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the consequences of the existence or location of the Underground Facility. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

2. If Engineer concludes that a change in the Contract Documents is required, a Work Change Directive or a Change Order will be issued to reflect and document such consequences. An equitable adjustment shall be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the existence or location of any Underground Facility that was not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment in Contract Price or Contract Times, Owner or Contractor may make a Claim therefor as provided in Paragraph 10.05.

4.05 *Reference Points*

A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.06 *Hazardous Environmental Condition at Site*

A. *Reports and Drawings:* Reference is made to the Supplementary Conditions for the identification of those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that have been utilized by the Engineer in the preparation of the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their Related Entities with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions or information.

C. Contractor shall not be responsible for any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work. Contractor shall be responsible for a Hazardous Environmental Condition created with any materials brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible.

D. If Contractor encounters a Hazardous Environmental Condition or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 6.16.A); and (iii) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any.

E. Contractor shall not be required to resume Work in connection with such condition or in any affected area until after Owner has obtained any required permits related thereto and delivered to Contractor written notice: (i) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work; or (ii) specifying any special conditions under which such Work may be resumed safely. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, either party may make a Claim therefor as provided in Paragraph 10.05.

F. If after receipt of such written notice Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work. If Owner and Contractor cannot agree as to

entitlement to or on the amount or extent, if any, of an adjustment in Contract Price or Contract Times as a result of deleting such portion of the Work, then either party may make a Claim therefor as provided in Paragraph 10.05. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 7.

G. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition: (i) was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be included within the scope of the Work, and (ii) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06. G shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

H. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06.H shall obligate Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

I. The provisions of Paragraphs 4.02, 4.03, and 4.04 do not apply to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 5 - BONDS AND INSURANCE

5.01 *Performance, Payment, and Other Bonds*

A. Contractor shall furnish performance and payment bonds, each in an amount at least equal to the Contract Price as security for the faithful performance and payment of all of Contractor's obligations under the Contract Documents. These bonds shall remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified

in Paragraph 13.07, whichever is later, except as provided otherwise by Laws or Regulations or by the Contract Documents. Contractor shall also furnish such other bonds as are required by the Contract Documents.

B. All bonds shall be in the form prescribed by the Contract Documents except as provided otherwise by Laws or Regulations, and shall be executed by such sureties as are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. All bonds signed by an agent must be accompanied by a certified copy of the agent's authority to act.

C. If the surety on any bond furnished by Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of Paragraph 5.01.B, Contractor shall promptly notify Owner and Engineer and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which shall comply with the requirements of Paragraphs 5.01.B and 5.02.

5.02 *Licensed Sureties and Insurers*

A. All bonds and insurance required by the Contract Documents to be purchased and maintained by Owner or Contractor shall be obtained from surety or insurance companies that are duly licensed or authorized in the jurisdiction in which the Project is located to issue bonds or insurance policies for the limits and coverages so required. Such surety and insurance companies shall also meet such additional requirements and qualifications as may be provided in the Supplementary Conditions.

5.03 *Certificates of Insurance*

A. Contractor shall deliver to Owner, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Owner or any other additional insured) which Contractor is required to purchase and maintain.

B. Owner shall deliver to Contractor, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Contractor or any other additional insured) which Owner is required to purchase and maintain.

5.04 *Contractor's Liability Insurance*

A. Contractor shall purchase and maintain such liability and other insurance as is appropriate for the Work being performed and as will provide protection

from claims set forth below which may arise out of or result from Contractor's performance of the Work and Contractor's other obligations under the Contract Documents, whether it is to be performed by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable:

1. claims under workers' compensation, disability benefits, and other similar employee benefit acts;

2. claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees;

3. claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;

4. claims for damages insured by reasonably available personal injury liability coverage which are sustained:

a. by any person as a result of an offense directly or indirectly related to the employment of such person by Contractor, or

b. by any other person for any other reason;

5. claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom; and

6. claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.

B. The policies of insurance required by this Paragraph 5.04 shall:

1. with respect to insurance required by Paragraphs 5.04.A.3 through 5.04.A.6 inclusive, include as additional insured (subject to any customary exclusion regarding professional liability) Owner and Engineer, and any other individuals or entities identified in the Supplementary Conditions, all of whom shall be listed as additional insureds, and include coverage for the respective officers, directors, partners, employees, agents, consultants and subcontractors of each and any of all such additional insureds, and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby;

2. include at least the specific coverages and be written for not less than the limits of liability provided in the Supplementary Conditions or required by Laws or Regulations, whichever is greater;

3. include completed operations insurance;

4. include contractual liability insurance covering Contractor's indemnity obligations under Paragraphs 6.11 and 6.20;

5. contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured identified in the Supplementary Conditions to whom a certificate of insurance has been issued (and the certificates of insurance furnished by the Contractor pursuant to Paragraph 5.03 will so provide);

6. remain in effect at least until final payment and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work in accordance with Paragraph 13.07; and

7. with respect to completed operations insurance, and any insurance coverage written on a claims-made basis, remain in effect for at least two years after final payment.

a. Contractor shall furnish Owner and each other additional insured identified in the Supplementary Conditions, to whom a certificate of insurance has been issued, evidence satisfactory to Owner and any such additional insured of continuation of such insurance at final payment and one year thereafter.

5.05 *Owner's Liability Insurance*

A. In addition to the insurance required to be provided by Contractor under Paragraph 5.04, Owner, at Owner's option, may purchase and maintain at Owner's expense Owner's own liability insurance as will protect Owner against claims which may arise from operations under the Contract Documents.

5.06 *Property Insurance*

A. Unless otherwise provided in the Supplementary Conditions, Owner shall purchase and maintain property insurance upon the Work at the Site in the amount of the full replacement cost thereof (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). This insurance shall:

1. include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured;

2. be written on a Builder's Risk "all-risk" or open peril or special causes of loss policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, false work, and materials and equipment in transit, and shall insure against at least the following perils or causes of loss: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage, (other than caused by flood) and such other perils or causes of loss as may be specifically required by the Supplementary Conditions;

3. include expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects);

4. cover materials and equipment stored at the Site or at another location that was agreed to in writing by Owner prior to being incorporated in the Work, provided that such materials and equipment have been included in an Application for Payment recommended by Engineer;

5. allow for partial utilization of the Work by Owner;

6. include testing and startup; and

7. be maintained in effect until final payment is made unless otherwise agreed to in writing by Owner, Contractor, and Engineer with 30 days written notice to each other additional insured to whom a certificate of insurance has been issued.

B. Owner shall purchase and maintain such boiler and machinery insurance or additional property insurance as may be required by the Supplementary Conditions or Laws and Regulations which will include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured.

C. All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with Paragraph 5.06 will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured to whom a certificate of insurance has been issued and will contain waiver provisions in accordance with Paragraph 5.07.

D. Owner shall not be responsible for purchasing and maintaining any property insurance specified in this Paragraph 5.06 to protect the interests of Contractor, Subcontractors, or others in the Work to the extent of any

deductible amounts that are identified in the Supplementary Conditions. The risk of loss within such identified deductible amount will be borne by Contractor, Subcontractors, or others suffering any such loss, and if any of them wishes property insurance coverage within the limits of such amounts, each may purchase and maintain it at the purchaser's own expense.

E. If Contractor requests in writing that other special insurance be included in the property insurance policies provided under Paragraph 5.06, Owner shall, if possible, include such insurance, and the cost thereof will be charged to Contractor by appropriate Change Order. Prior to commencement of the Work at the Site, Owner shall in writing advise Contractor whether or not such other insurance has been procured by Owner.

5.07 *Waiver of Rights*

A. Owner and Contractor intend that all policies purchased in accordance with Paragraph 5.06 will protect Owner, Contractor, Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) in such policies and will provide primary coverage for all losses and damages caused by the perils or causes of loss covered thereby. All such policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any of the insureds or additional insureds thereunder. Owner and Contractor waive all rights against each other and their respective officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them for all losses and damages caused by, arising out of or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insured or additional insured (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) under such policies for losses and damages so caused. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by Owner as trustee or otherwise payable under any policy so issued.

B. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them for:

1. loss due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other perils whether or not insured by Owner; and

2. loss or damage to the completed Project or part thereof caused by, arising out of, or resulting from fire or other insured peril or cause of loss covered by any property insurance maintained on the completed Project or part thereof by Owner during partial utilization pursuant to Paragraph 14.05, after Substantial Completion pursuant to Paragraph 14.04, or after final payment pursuant to Paragraph 14.07.

C. Any insurance policy maintained by Owner covering any loss, damage or consequential loss referred to in Paragraph 5.07.B shall contain provisions to the effect that in the event of payment of any such loss, damage, or consequential loss, the insurers will have no rights of recovery against Contractor, Subcontractors, or Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them.

5.08 *Receipt and Application of Insurance Proceeds*

A. Any insured loss under the policies of insurance required by Paragraph 5.06 will be adjusted with Owner and made payable to Owner as fiduciary for the insureds, as their interests may appear, subject to the requirements of any applicable mortgage clause and of Paragraph 5.08.B. Owner shall deposit in a separate account any money so received and shall distribute it in accordance with such agreement as the parties in interest may reach. If no other special agreement is reached, the damaged Work shall be repaired or replaced, the moneys so received applied on account thereof, and the Work and the cost thereof covered by an appropriate Change Order.

B. Owner as fiduciary shall have power to adjust and settle any loss with the insurers unless one of the parties in interest shall object in writing within 15 days after the occurrence of loss to Owner's exercise of this power. If such objection be made, Owner as fiduciary shall make settlement with the insurers in accordance with such agreement as the parties in interest may reach. If no such agreement among the parties in interest is reached, Owner as fiduciary shall adjust and settle the loss with the insurers and, if required in writing by any party in interest, Owner as fiduciary shall give bond for the proper performance of such duties.

5.09 *Acceptance of Bonds and Insurance; Option to Replace*

A. If either Owner or Contractor has any objection to the coverage afforded by or other provisions of the bonds or insurance required to be purchased and maintained by the other party in accordance with Article 5 on the basis of non-conformance with the Contract

Documents, the objecting party shall so notify the other party in writing within 10 days after receipt of the certificates (or other evidence requested) required by Paragraph 2.01.B. Owner and Contractor shall each provide to the other such additional information in respect of insurance provided as the other may reasonably request. If either party does not purchase or maintain all of the bonds and insurance required of such party by the Contract Documents, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage. Without prejudice to any other right or remedy, the other party may elect to obtain equivalent bonds or insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and a Change Order shall be issued to adjust the Contract Price accordingly.

5.10 *Partial Utilization, Acknowledgment of Property Insurer*

A. If Owner finds it necessary to occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work as provided in Paragraph 14.05, no such use or occupancy shall commence before the insurers providing the property insurance pursuant to Paragraph 5.06 have acknowledged notice thereof and in writing effected any changes in coverage necessitated thereby. The insurers providing the property insurance shall consent by endorsement on the policy or policies, but the property insurance shall not be canceled or permitted to lapse on account of any such partial use or occupancy.

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

6.01 *Supervision and Superintendence*

A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction. Contractor shall not be responsible for the negligence of Owner or Engineer in the design or specification of a specific means, method, technique, sequence, or procedure of construction which is shown or indicated in and expressly required by the Contract Documents.

B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who shall not be replaced without written notice to Owner and Engineer except under extraordinary circumstances. The superintendent will be Contractor's representative at the Site and shall have authority to act on behalf of Contractor. All communications given to or

received from the superintendent shall be binding on Contractor.

6.02 *Labor; Working Hours*

A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the Site.

B. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed during regular working hours. Contractor will not permit the performance of Work on a Saturday, Sunday, or any legal holiday without Owner's written consent (which will not be unreasonably withheld) given after prior written notice to Engineer.

6.03 *Services, Materials, and Equipment*

A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start-up, and completion of the Work.

B. All materials and equipment incorporated into the Work shall be as specified or, if not specified, shall be of good quality and new, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications shall expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.

C. All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

6.04 *Progress Schedule*

A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.07 as it may be adjusted from time to time as provided below.

1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.07) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times. Such adjustments will comply with any provisions of the General Requirements applicable thereto.

2. Proposed adjustments in the Progress Schedule that will change the Contract Times shall be submitted in accordance with the requirements of Article 12. Adjustments in Contract Times may only be made by a Change Order.

6.05 *Substitutes and "Or-Equals"*

A. Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or-equal" item or no substitution is permitted, other items of material or equipment or material or equipment of other Suppliers may be submitted to Engineer for review under the circumstances described below.

1. *"Or-Equal" Items:* If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements for approval of proposed substitute items. For the purposes of this Paragraph 6.05.A.1, a proposed item of material or equipment will be considered functionally equal to an item so named if:

a. in the exercise of reasonable judgment Engineer determines that:

1) it is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;

2) it will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole,

3) it has a proven record of performance and availability of responsive service; and

b. Contractor certifies that, if approved and incorporated into the Work:

1) there will be no increase in cost to the Owner or increase in Contract Times, and

2) it will conform substantially to the detailed requirements of the item named in the Contract Documents.

2. Substitute Items

a. If in Engineer's sole discretion an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item under Paragraph 6.05.A.1, it will be considered a proposed substitute item.

b. Contractor shall submit sufficient information as provided below to allow Engineer to determine that the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor.

c. The requirements for review by Engineer will be as set forth in Paragraph 6.05.A.2.d, as supplemented in the General Requirements and as Engineer may decide is appropriate under the circumstances.

d. Contractor shall make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application:

1) shall certify that the proposed substitute item will:

a) perform adequately the functions and achieve the results called for by the general design,

b) be similar in substance to that specified, and

c) be suited to the same use as that specified;

2) will state:

a) the extent, if any, to which the use of the proposed substitute item will prejudice Contractor's achievement of Substantial Completion on time;

b) whether or not use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item; and

c) whether or not incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty;

3) will identify:

a) all variations of the proposed substitute item from that specified, and

b) available engineering, sales, maintenance, repair, and replacement services;

4) and shall contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including costs of redesign and claims of other contractors affected by any resulting change,

B. Substitute Construction Methods or Procedures: If a specific means, method, technique, sequence, or procedure of construction is expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence, or procedure of construction approved by Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The requirements for review by Engineer will be similar to those provided in Paragraph 6.05.A.2.

C. Engineer's Evaluation: Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made pursuant to Paragraphs 6.05.A and 6.05.B. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No "or equal" or substitute will be ordered, installed or utilized until Engineer's review is complete, which will be evidenced by either a Change Order for a substitute or an approved Shop Drawing for an "or equal." Engineer will advise Contractor in writing of any negative determination.

D. Special Guarantee: Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.

E. Engineer's Cost Reimbursement: Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor pursuant to Paragraphs 6.05.A.2 and 6.05.B. Whether or not Engineer approves a substitute item so proposed or submitted by Contractor, Contractor shall reimburse Owner for the charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the charges of Engineer for making changes in the Contract

Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.

F. Contractor's Expense: Contractor shall provide all data in support of any proposed substitute or "or-equal" at Contractor's expense.

6.06 Concerning Subcontractors, Suppliers, and Others

A. Contractor shall not employ any Subcontractor, Supplier, or other individual or entity (including those acceptable to Owner as indicated in Paragraph 6.06.B), whether initially or as a replacement, against whom Owner may have reasonable objection. Contractor shall not be required to employ any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work against whom Contractor has reasonable objection.

B. If the Supplementary Conditions require the identity of certain Subcontractors, Suppliers, or other individuals or entities to be submitted to Owner in advance for acceptance by Owner by a specified date prior to the Effective Date of the Agreement, and if Contractor has submitted a list thereof in accordance with the Supplementary Conditions, Owner's acceptance (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Bidding Documents or the Contract Documents) of any such Subcontractor, Supplier, or other individual or entity so identified may be revoked on the basis of reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity, and the Contract Price will be adjusted by the difference in the cost occasioned by such replacement, and an appropriate Change Order will be issued. No acceptance by Owner of any such Subcontractor, Supplier, or other individual or entity, whether initially or as a replacement, shall constitute a waiver of any right of Owner or Engineer to reject defective Work.

C. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions. Nothing in the Contract Documents:

1. shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier or other individual or entity, nor

2. shall anything in the Contract Documents create any obligation on the part of Owner or Engineer to pay or to see to the payment of any moneys due any such Subcontractor, Supplier, or other individual

or entity except as may otherwise be required by Laws and Regulations.

D. Contractor shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work under a direct or indirect contract with Contractor.

E. Contractor shall require all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work to communicate with Engineer through Contractor.

F. The divisions and sections of the Specifications and the identifications of any Drawings shall not control Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.

G. All Work performed for Contractor by a Subcontractor or Supplier will be pursuant to an appropriate agreement between Contractor and the Subcontractor or Supplier which specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer. Whenever any such agreement is with a Subcontractor or Supplier who is listed as an additional insured on the property insurance provided in Paragraph 5.06, the agreement between the Contractor and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against Owner, Contractor, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) for all losses and damages caused by, arising out of, relating to, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, Contractor will obtain the same.

6.07 *Patent Fees and Royalties*

A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if to the actual knowledge of Owner or Engineer its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by Owner in the Contract Documents.

B. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

6.08 *Permits*

A. Unless otherwise provided in the Supplementary Conditions, Contractor shall obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of opening of Bids, or, if there are no Bids, on the Effective Date of the Agreement. Owner shall pay all charges of utility owners for connections for providing permanent service to the Work.

6.09 *Laws and Regulations*

A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.

B. If Contractor performs any Work knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work. However, it shall not be Contractor's primary responsibility to make certain that the Specifications and Drawings are in accordance with Laws and Regulations, but this shall not relieve Contractor of Contractor's obligations under Paragraph 3.03.

C. Changes in Laws or Regulations not known at the time of opening of Bids (or, on the Effective Date of the Agreement if there were no Bids) having an effect on the cost or time of performance of the Work shall be the subject of an adjustment in Contract Price or Contract Times. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

6.10 Taxes

A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

6.11 Use of Site and Other Areas

A. Limitation on Use of Site and Other Areas

1. Contractor shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the Site and other areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and other areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or of any adjacent land or areas resulting from the performance of the Work.

2. Should any claim be made by any such owner or occupant because of the performance of the Work, Contractor shall promptly settle with such other party by negotiation or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law.

3. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused by or based upon Contractor's performance of the Work.

B. Removal of Debris During Performance of the Work: During the progress of the Work Contractor shall keep the Site and other areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris shall conform to applicable Laws and Regulations.

C. Cleaning: Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.

D. Loading Structures: Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

6.12 Record Documents

A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, and written interpretations and clarifications in good order and annotated to show changes made during construction. These record documents together with all approved Samples and a counterpart of all approved Shop Drawings will be available to Engineer for reference. Upon completion of the Work, these record documents, Samples, and Shop Drawings will be delivered to Engineer for Owner.

6.13 Safety and Protection

A. Contractor shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

1. all persons on the Site or who may be affected by the Work;

2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and

3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.

B. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify owners of adjacent property and of Underground Facilities and other utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property.

C. All damage, injury, or loss to any property referred to in Paragraph 6.13.A.2 or 6.13.A.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor (except damage or loss attributable to the fault of Draw-

ings or Specifications or to the acts or omissions of Owner or Engineer or , or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).

D. Contractor's duties and responsibilities for safety and for protection of the Work shall continue until such time as all the Work is completed and Engineer has issued a notice to Owner and Contractor in accordance with Paragraph 14.07.B that the Work is acceptable (except as otherwise expressly provided in connection with Substantial Completion).

6.14 *Safety Representative*

A. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

6.15 *Hazard Communication Programs*

A. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

6.16 *Emergencies*

A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent threatened damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

6.17 *Shop Drawings and Samples*

A. Contractor shall submit Shop Drawings and Samples to Engineer for review and approval in accordance with the acceptable Schedule of Submittals (as required by Paragraph 2.07). Each submittal will be identified as Engineer may require.

1. Shop Drawings

a. Submit number of copies specified in the General Requirements.

b. Data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide and to enable Engineer to review the information for the limited purposes required by Paragraph 6.17.D.

2. *Samples*: Contractor shall also submit Samples to Engineer for review and approval in accordance with the acceptable schedule of Shop Drawings and Sample submittals.

a. Submit number of Samples specified in the Specifications.

b. Clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the submittal for the limited purposes required by Paragraph 6.17.D.

B. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals , any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

C. Submittal Procedures

1. Before submitting each Shop Drawing or Sample, Contractor shall have determined and verified:

a. all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto;

b. the suitability of all materials with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work;

c. all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto; and

d. shall also have reviewed and coordinated each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents.

2. Each submittal shall bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents

with respect to Contractor's review and approval of that submittal.

3. With each submittal, Contractor shall give Engineer specific written notice of any variations, that the Shop Drawing or Sample may have from the requirements of the Contract Documents. This notice shall be both a written communication separate from the Shop Drawing's or Sample Submittal; and, in addition, by a specific notation made on each Shop Drawing or Sample submitted to Engineer for review and approval of each such variation.

D. Engineer's Review

1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the Schedule of Submittals acceptable to Engineer. Engineer's review and approval will be only to determine if the items covered by the submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.

2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction (except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the Contract Documents) or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.

3. Engineer's review and approval shall not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 6.17.C.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer's review and approval shall not relieve Contractor from responsibility for complying with the requirements of Paragraph 6.17.C.1.

E. Resubmittal Procedures

1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.

6.18 Continuing the Work

A. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or

disagreements with Owner. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, except as permitted by Paragraph 15.04 or as Owner and Contractor may otherwise agree in writing.

6.19 Contractor's General Warranty and Guarantee

A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its Related Entities shall be entitled to rely on representation of Contractor's warranty and guarantee.

B. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:

1. abuse, modification, or improper maintenance or operation by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or

2. normal wear and tear under normal usage.

C. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:

1. observations by Engineer;

2. recommendation by Engineer or payment by Owner of any progress or final payment;

3. the issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;

4. use or occupancy of the Work or any part thereof by Owner;

5. any review and approval of a Shop Drawing or Sample submittal or the issuance of a notice of acceptability by Engineer;

6. any inspection, test, or approval by others; or

7. any correction of defective Work by Owner.

6.20 Indemnification

A. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or

arbitration or other dispute resolution costs) arising out of or relating to the performance of the Work, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work or anyone for whose acts any of them may be liable .

B. In any and all claims against Owner or Engineer or any of their respective consultants, agents, officers, directors, partners, or employees by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 6.20.A shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

C. The indemnification obligations of Contractor under Paragraph 6.20.A shall not extend to the liability of Engineer and Engineer's officers, directors, partners, employees, agents, consultants and subcontractors arising out of:

1. the preparation or approval of, or the failure to prepare or approve, maps, Drawings, opinions, reports, surveys, Change Orders, designs, or Specifications; or
2. giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage.

6.21 *Delegation of Professional Design Services*

A. Contractor will not be required to provide professional design services unless such services are specifically required by the Contract Documents for a portion of the Work or unless such services are required to carry out Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable law.

B. If professional design services or certifications by a design professional related to systems, materials or equipment are specifically required of Contractor by the Contract Documents, Owner and Engineer will specify all performance and design criteria that such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly licensed professional, whose signature and seal

shall appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to Engineer.

C. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals, provided Owner and Engineer have specified to Contractor all performance and design criteria that such services must satisfy.

D. Pursuant to this Paragraph 6.21, Engineer's review and approval of design calculations and design drawings will be only for the limited purpose of checking for conformance with performance and design criteria given and the design concept expressed in the Contract Documents. Engineer's review and approval of Shop Drawings and other submittals (except design calculations and design drawings) will be only for the purpose stated in Paragraph 6.17.D.1.

E. Contractor shall not be responsible for the adequacy of the performance or design criteria required by the Contract Documents.

ARTICLE 7 - OTHER WORK AT THE SITE

7.01 *Related Work at Site*

A. Owner may perform other work related to the Project at the Site with Owner's employees, or via other direct contracts therefor, or have other work performed by utility owners. If such other work is not noted in the Contract Documents, then:

1. written notice thereof will be given to Contractor prior to starting any such other work; and

2. if Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times that should be allowed as a result of such other work, a Claim may be made therefor as provided in Paragraph 10.05.

B. Contractor shall afford each other contractor who is a party to such a direct contract, each utility owner and Owner, if Owner is performing other work with Owner's employees, proper and safe access to the Site, a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work, and shall properly coordinate the Work with theirs. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and

properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering their work and will only cut or alter their work with the written consent of Engineer and the others whose work will be affected. The duties and responsibilities of Contractor under this Paragraph are for the benefit of such utility owners and other contractors to the extent that there are comparable provisions for the benefit of Contractor in said direct contracts between Owner and such utility owners and other contractors.

C. If the proper execution or results of any part of Contractor's Work depends upon work performed by others under this Article 7, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.

7.02 *Coordination*

A. If Owner intends to contract with others for the performance of other work on the Project at the Site, the following will be set forth in Supplementary Conditions:

1. the individual or entity who will have authority and responsibility for coordination of the activities among the various contractors will be identified;
2. the specific matters to be covered by such authority and responsibility will be itemized; and
3. the extent of such authority and responsibilities will be provided.

B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

7.03 *Legal Relationships*

A. Paragraphs 7.01.A and 7.02 are not applicable for utilities not under the control of Owner.

B. Each other direct contract of Owner under Paragraph 7.01.A shall provide that the other contractor is liable to Owner and Contractor for the reasonable direct delay and disruption costs incurred by Contractor as a result of the other contractor's actions or inactions.

C. Contractor shall be liable to Owner and any other contractor for the reasonable direct delay and disruption costs incurred by such other contractor as a result of Contractor's action or inactions.

ARTICLE 8 - OWNER'S RESPONSIBILITIES

8.01 *Communications to Contractor*

A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

8.02 *Replacement of Engineer*

A. In case of termination of the employment of Engineer, Owner shall appoint an engineer to whom Contractor makes no reasonable objection, whose status under the Contract Documents shall be that of the former Engineer.

8.03 *Furnish Data*

A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

8.04 *Pay When Due*

A. Owner shall make payments to Contractor when they are due as provided in Paragraphs 14.02.C and 14.07.C.

8.05 *Lands and Easements; Reports and Tests*

A. Owner's duties in respect of providing lands and easements and providing engineering surveys to establish reference points are set forth in Paragraphs 4.01 and 4.05. Paragraph 4.02 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of subsurface conditions and drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site that have been utilized by Engineer in preparing the Contract Documents.

8.06 *Insurance*

A. Owner's responsibilities, if any, in respect to purchasing and maintaining liability and property insurance are set forth in Article 5.

8.07 *Change Orders*

A. Owner is obligated to execute Change Orders as indicated in Paragraph 10.03.

8.08 *Inspections, Tests, and Approvals*

A. Owner's responsibility in respect to certain inspections, tests, and approvals is set forth in Paragraph 13.03.B.

8.09 *Limitations on Owner's Responsibilities*

A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

8.10 *Undisclosed Hazardous Environmental Condition*

A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 4.06.

8.11 *Evidence of Financial Arrangements*

A. If and to the extent Owner has agreed to furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract Documents, Owner's responsibility in respect thereof will be as set forth in the Supplementary Conditions.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION

9.01 *Owner's Representative*

A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract Documents and will not be changed without written consent of Owner and Engineer.

9.02 *Visits to Site*

A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep

Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 9.09. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

9.03 *Project Representative*

A. If Owner and Engineer agree, Engineer will furnish a Resident Project Representative to assist Engineer in providing more extensive observation of the Work. The authority and responsibilities of any such Resident Project Representative and assistants will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in Paragraph 9.09. If Owner designates another representative or agent to represent Owner at the Site who is not Engineer's consultant, agent or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in the Supplementary Conditions.

9.04 *Authorized Variations in Work*

A. Engineer may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. These may be accomplished by a Field Order and will be binding on Owner and also on Contractor, who shall perform the Work involved promptly. If Owner or Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, or both, and the parties are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

9.05 *Rejecting Defective Work*

A. Engineer will have authority to reject Work which Engineer believes to be defective, or that Engineer believes will not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Engineer will also have authority to require special inspection or testing of the Work as provided in Paragraph 13.04, whether or not the Work is fabricated, installed, or completed.

9.06 *Shop Drawings, Change Orders and Payments*

A. In connection with Engineer's authority, and limitations thereof, as to Shop Drawings and Samples, see Paragraph 6.17.

B. In connection with Engineer's authority, and limitations thereof, as to design calculations and design drawings submitted in response to a delegation of professional design services, if any, see Paragraph 6.21.

C. In connection with Engineer's authority as to Change Orders, see Articles 10, 11, and 12.

D. In connection with Engineer's authority as to Applications for Payment, see Article 14.

9.07 *Determinations for Unit Price Work*

A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, subject to the provisions of Paragraph 10.05.

9.08 *Decisions on Requirements of Contract Documents and Acceptability of Work*

A. Engineer will be the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the Work thereunder. All matters in question and other matters between Owner and Contractor arising prior to the date final payment is due relating to the acceptability of the Work, and the interpretation of the requirements of the Contract Documents pertaining to the performance of the Work, will be referred initially to Engineer in writing within 30 days of the event giving rise to the question

B. Engineer will, with reasonable promptness, render a written decision on the issue referred. If Owner or Contractor believe that any such decision entitles them to an adjustment in the Contract Price or Contract Times or both, a Claim may be made under Paragraph 10.05. The date of Engineer's decision shall be the date of the event giving rise to the issues referenced for the purposes of Paragraph 10.05.B.

C. Engineer's written decision on the issue referred will be final and binding on Owner and Contractor, subject to the provisions of Paragraph 10.05.

D. When functioning as interpreter and judge under this Paragraph 9.08, Engineer will not show

partiality to Owner or Contractor and will not be liable in connection with any interpretation or decision rendered in good faith in such capacity.

9.09 *Limitations on Engineer's Authority and Responsibilities*

A. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract Documents nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.

B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.

D. Engineer's review of the final Application for Payment and accompanying documentation and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Paragraph 14.07.A will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals that the results certified indicate compliance with the Contract Documents.

E. The limitations upon authority and responsibility set forth in this Paragraph 9.09 shall also apply to, the Resident Project Representative, if any, and assistants, if any.

ARTICLE 10 - CHANGES IN THE WORK; CLAIMS

10.01 *Authorized Changes in the Work*

A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work by a Change Order, or a Work Change Directive. Upon receipt of any such document, Contractor shall

promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

B. If Owner and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of a Work Change Directive, a Claim may be made therefor as provided in Paragraph 10.05.

10.02 *Unauthorized Changes in the Work*

A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents as amended, modified, or supplemented as provided in Paragraph 3.04, except in the case of an emergency as provided in Paragraph 6.16 or in the case of uncovering Work as provided in Paragraph 13.04.B.

10.03 *Execution of Change Orders*

A. Owner and Contractor shall execute appropriate Change Orders recommended by Engineer covering:

1. changes in the Work which are: (i) ordered by Owner pursuant to Paragraph 10.01.A, (ii) required because of acceptance of defective Work under Paragraph 13.08.A or Owner's correction of defective Work under Paragraph 13.09, or (iii) agreed to by the parties;

2. changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive; and

3. changes in the Contract Price or Contract Times which embody the substance of any written decision rendered by Engineer pursuant to Paragraph 10.05; provided that, in lieu of executing any such Change Order, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable Laws and Regulations, but during any such appeal, Contractor shall carry on the Work and adhere to the Progress Schedule as provided in Paragraph 6.18.A.

10.04 *Notification to Surety*

A. If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times) is required by the provisions of any bond to be given to a surety, the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

10.05 *Claims*

A. *Engineer's Decision Required:* All Claims, except those waived pursuant to Paragraph 14.09, shall be referred to the Engineer for decision. A decision by Engineer shall be required as a condition precedent to any exercise by Owner or Contractor of any rights or remedies either may otherwise have under the Contract Documents or by Laws and Regulations in respect of such Claims.

B. *Notice:* Written notice stating the general nature of each Claim, shall be delivered by the claimant to Engineer and the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto. The responsibility to substantiate a Claim shall rest with the party making the Claim. Notice of the amount or extent of the Claim, with supporting data shall be delivered to the Engineer and the other party to the Contract within 60 days after the start of such event (unless Engineer allows additional time for claimant to submit additional or more accurate data in support of such Claim). A Claim for an adjustment in Contract Price shall be prepared in accordance with the provisions of Paragraph 12.01.B. A Claim for an adjustment in Contract Time shall be prepared in accordance with the provisions of Paragraph 12.02.B. Each Claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to Engineer and the claimant within 30 days after receipt of the claimant's last submittal (unless Engineer allows additional time).

C. *Engineer's Action:* Engineer will review each Claim and, within 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any, take one of the following actions in writing:

1. deny the Claim in whole or in part,

2. approve the Claim, or

3. notify the parties that the Engineer is unable to resolve the Claim if, in the Engineer's sole discretion, it would be inappropriate for the Engineer to do so. For purposes of further resolution of the Claim, such notice shall be deemed a denial.

D. In the event that Engineer does not take action on a Claim within said 30 days, the Claim shall be deemed denied.

E. Engineer's written action under Paragraph 10.05.C or denial pursuant to Paragraphs 10.05.C.3 or 10.05.D will be final and binding upon Owner and Contractor, unless Owner or Contractor invoke the dispute resolution procedure set forth in Article 16 within 30 days of such action or denial.

F. No Claim for an adjustment in Contract Price or Contract Times will be valid if not submitted in accordance with this Paragraph 10.05.

ARTICLE 11 - COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

11.01 *Cost of the Work*

A. *Costs Included:* The term Cost of the Work means the sum of all costs, except those excluded in Paragraph 11.01.B, necessarily incurred and paid by Contractor in the proper performance of the Work. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, the costs to be reimbursed to Contractor will be only those additional or incremental costs required because of the change in the Work or because of the event giving rise to the Claim. Except as otherwise may be agreed to in writing by Owner, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall include only the following items, and shall not include any of the costs itemized in Paragraph 11.01.B.

1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor. Such employees shall include, without limitation, superintendents, foremen, and other personnel employed full time at the Site. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits, which shall include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, shall be included in the above to the extent authorized by Owner.

2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts shall accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts shall accrue to Owner. All trade discounts, rebates and refunds and returns from sale of surplus materials and equipment shall accrue to Owner, and Contractor shall make provisions so that they may be obtained.

3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and

Contractor and shall deliver such bids to Owner, who will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee shall be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 11.01.

4. Costs of special consultants (including but not limited to Engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed for services specifically related to the Work.

5. Supplemental costs including the following:

a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.

b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, and hand tools not owned by the workers, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.

c. Rentals of all construction equipment and machinery, and the parts thereof whether rented from Contractor or others in accordance with rental agreements approved by Owner with the advice of Engineer, and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs shall be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the Work.

d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, imposed by Laws and Regulations.

e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.

f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work (except losses and damages within the deductible amounts of property insurance established in accordance with Paragraph 5.06.D), provided such losses and damages have

resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses shall be included in the Cost of the Work for the purpose of determining Contractor's fee.

g. The cost of utilities, fuel, and sanitary facilities at the Site.

h. Minor expenses such as telegrams, long distance telephone calls, telephone service at the Site, expresses, and similar petty cash items in connection with the Work.

i. The costs of premiums for all bonds and insurance Contractor is required by the Contract Documents to purchase and maintain.

B. Costs Excluded: The term Cost of the Work shall not include any of the following items:

1. Payroll costs and other compensation of Contractor's officers, executives, principals (of partnerships and sole proprietorships), general managers, safety managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 11.01.A.1 or specifically covered by Paragraph 11.01.A.4, all of which are to be considered administrative costs covered by the Contractor's fee.

2. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.

3. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.

4. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.

5. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraphs 11.01.A and 11.01.B.

C. Contractor's Fee: When all the Work is performed on the basis of cost-plus, Contractor's fee shall

be determined as set forth in the Agreement. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, Contractor's fee shall be determined as set forth in Paragraph 12.01.C.

D. Documentation: Whenever the Cost of the Work for any purpose is to be determined pursuant to Paragraphs 11.01.A and 11.01.B, Contractor will establish and maintain records thereof in accordance with generally accepted accounting practices and submit in a form acceptable to Engineer an itemized cost breakdown together with supporting data.

11.02 Allowances

A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.

B. Cash Allowances

1. Contractor agrees that:

a. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and

b. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment on account of any of the foregoing will be valid.

C. Contingency Allowance

1. Contractor agrees that a contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.

D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

11.03 Unit Price Work

A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.

B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by Contractor will be made by Engineer subject to the provisions of Paragraph 9.07.

C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.

D. Owner or Contractor may make a Claim for an adjustment in the Contract Price in accordance with Paragraph 10.05 if:

1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and

2. there is no corresponding adjustment with respect any other item of Work; and

3. Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or Owner believes that Owner is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease.

ARTICLE 12 - CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

12.01 *Change of Contract Price*

A. The Contract Price may only be changed by a Change Order. Any Claim for an adjustment in the Contract Price shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.

B. The value of any Work covered by a Change Order or of any Claim for an adjustment in the Contract Price will be determined as follows:

1. where the Work involved is covered by unit prices contained in the Contract Documents, by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 11.03); or

2. where the Work involved is not covered by unit prices contained in the Contract Documents, by a mutually agreed lump sum (which may include an

allowance for overhead and profit not necessarily in accordance with Paragraph 12.01.C.2); or

3. where the Work involved is not covered by unit prices contained in the Contract Documents and agreement to a lump sum is not reached under Paragraph 12.01.B.2, on the basis of the Cost of the Work (determined as provided in Paragraph 11.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 12.01.C).

C. *Contractor's Fee:* The Contractor's fee for overhead and profit shall be determined as follows:

1. a mutually acceptable fixed fee; or

2. if a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:

a. for costs incurred under Paragraphs 11.01.A.1 and 11.01.A.2, the Contractor's fee shall be 15 percent;

b. for costs incurred under Paragraph 11.01.A.3, the Contractor's fee shall be five percent;

c. where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraph 12.01.C.2.a is that the Subcontractor who actually performs the Work, at whatever tier, will be paid a fee of 15 percent of the costs incurred by such Subcontractor under Paragraphs 11.01.A.1 and 11.01.A.2 and that any higher tier Subcontractor and Contractor will each be paid a fee of five percent of the amount paid to the next lower tier Subcontractor;

d. no fee shall be payable on the basis of costs itemized under Paragraphs 11.01.A.4, 11.01.A.5, and 11.01.B;

e. the amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in cost will be the amount of the actual net decrease in cost plus a deduction in Contractor's fee by an amount equal to five percent of such net decrease; and

f. when both additions and credits are involved in any one change, the adjustment in Contractor's fee shall be computed on the basis of the net change in accordance with Paragraphs 12.01.C.2.a through 12.01.C.2.e, inclusive.

12.02 *Change of Contract Times*

A. The Contract Times may only be changed by a Change Order. Any Claim for an adjustment in the Contract Times shall be based on written notice submitted

by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.

B. Any adjustment of the Contract Times covered by a Change Order or any Claim for an adjustment in the Contract Times will be determined in accordance with the provisions of this Article 12.

12.03 Delays

A. Where Contractor is prevented from completing any part of the Work within the Contract Times due to delay beyond the control of Contractor, the Contract Times will be extended in an amount equal to the time lost due to such delay if a Claim is made therefor as provided in Paragraph 12.02.A. Delays beyond the control of Contractor shall include, but not be limited to, acts or neglect by Owner, acts or neglect of utility owners or other contractors performing other work as contemplated by Article 7, fires, floods, epidemics, abnormal weather conditions, or acts of God.

B. If Owner, Engineer, or other contractors or utility owners performing other work for Owner as contemplated by Article 7, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times, or both. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

C. If Contractor is delayed in the performance or progress of the Work by fire, flood, epidemic, abnormal weather conditions, acts of God, acts or failures to act of utility owners not under the control of Owner, or other causes not the fault of and beyond control of Owner and Contractor, then Contractor shall be entitled to an equitable adjustment in Contract Times, if such adjustment is essential to Contractor's ability to complete the Work within the Contract Times. Such an adjustment shall be Contractor's sole and exclusive remedy for the delays described in this Paragraph 12.03.C.

D. Owner, Engineer and the Related Entities of each of them shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of Engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

E. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delays within the control of Contractor. Delays attributable to and within the control of a Subcontractor or Supplier shall be deemed to be delays within the control of Contractor.

ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

13.01 Notice of Defects

A. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor. All defective Work may be rejected, corrected, or accepted as provided in this Article 13.

13.02 Access to Work

A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and governmental agencies with jurisdictional interests will have access to the Site and the Work at reasonable times for their observation, inspecting, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's Site safety procedures and programs so that they may comply therewith as applicable.

13.03 Tests and Inspections

A. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections, tests, or approvals and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.

B. Owner shall employ and pay for the services of an independent testing laboratory to perform all inspections, tests, or approvals required by the Contract Documents except:

1. for inspections, tests, or approvals covered by Paragraphs 13.03.C and 13.03.D below;

2. that costs incurred in connection with tests or inspections conducted pursuant to Paragraph 13.04.B shall be paid as provided in said Paragraph 13.04.C; and

3. as otherwise specifically provided in the Contract Documents.

C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.

D. Contractor shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required for Owner's and Engineer's acceptance of materials or equipment to

be incorporated in the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to Owner and Engineer.

E. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, it must, if requested by Engineer, be uncovered for observation.

F. Uncovering Work as provided in Paragraph 13.03.E shall be at Contractor's expense unless Contractor has given Engineer timely notice of Contractor's intention to cover the same and Engineer has not acted with reasonable promptness in response to such notice.

13.04 *Uncovering Work*

A. If any Work is covered contrary to the written request of Engineer, it must, if requested by Engineer, be uncovered for Engineer's observation and replaced at Contractor's expense.

B. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, furnishing all necessary labor, material, and equipment.

C. If it is found that the uncovered Work is defective, Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05.

D. If, the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.

13.05 *Owner May Stop the Work*

A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

13.06 *Correction or Removal of Defective Work*

A. Promptly after receipt of notice, Contractor shall correct all defective Work, whether or not fabricated, installed, or completed, or, if the Work has been rejected by Engineer, remove it from the Project and replace it with Work that is not defective. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or removal (including but not limited to all costs of repair or replacement of work of others).

B. When correcting defective Work under the terms of this Paragraph 13.06 or Paragraph 13.07, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.

13.07 *Correction Period*

A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents) or by any specific provision of the Contract Documents, any Work is found to be defective, or if the repair of any damages to the land or areas made available for Contractor's use by Owner or permitted by Laws and Regulations as contemplated in Paragraph 6.11.A is found to be defective, Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:

1. repair such defective land or areas; or
2. correct such defective Work; or
3. if the defective Work has been rejected by Owner, remove it from the Project and replace it with Work that is not defective, and
4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others or other land or areas resulting therefrom.

B. If Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others) will be paid by Contractor.

C. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications .

D. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this Paragraph 13.07, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

E. Contractor's obligations under this Paragraph 13.07 are in addition to any other obligation or warranty. The provisions of this Paragraph 13.07 shall not be construed as a substitute for or a waiver of the provisions of any applicable statute of limitation or repose.

13.08 *Acceptance of Defective Work*

A. If, instead of requiring correction or removal and replacement of defective Work, Owner (and, prior to Engineer's recommendation of final payment, Engineer) prefers to accept it, Owner may do so. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness) and the diminished value of the Work to the extent not otherwise paid by Contractor pursuant to this sentence. If any such acceptance occurs prior to Engineer's recommendation of final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work, and Owner shall be entitled to an appropriate decrease in the Contract Price, reflecting the diminished value of Work so accepted. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05. If the acceptance occurs after such recommendation, an appropriate amount will be paid by Contractor to Owner.

13.09 *Owner May Correct Defective Work*

A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work or to remove and replace rejected Work as required by Engineer in accordance with Paragraph 13.06.A, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, Owner may, after seven days written notice to Contractor, correct or remedy any such deficiency.

B. In exercising the rights and remedies under this Paragraph 13.09, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, take possession of Contractor's tools, appliances, construction equipment and machinery at the Site, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this Paragraph.

C. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 13.09 will be charged against Contractor, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount of the adjustment, Owner may make a Claim therefor as provided in Paragraph 10.05. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.

D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 13.09.

ARTICLE 14 - PAYMENTS TO CONTRACTOR AND COMPLETION

14.01 *Schedule of Values*

A. The Schedule of Values established as provided in Paragraph 2.07.A will serve as the basis for progress

payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed.

14.02 *Progress Payments*

A. Applications for Payments

1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of all Liens and evidence that the materials and equipment are covered by appropriate property insurance or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.

2. Beginning with the second Application for Payment, each Application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior Applications for Payment.

3. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

B. Review of Applications

1. Engineer will, within 10 days after receipt of each Application for Payment, either indicate in writing a recommendation of payment and present the Application to Owner or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.

2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations on the Site of the executed Work as an experienced and qualified design professional and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:

a. the Work has progressed to the point indicated;

b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, to the results of any subsequent tests called for in the Contract Documents, to a final determination of quantities and classifications for Unit Price Work under Paragraph 9.07, and to any other qualifications stated in the recommendation); and

c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.

3. By recommending any such payment Engineer will not thereby be deemed to have represented that:

a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract Documents; or

b. that there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.

4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:

a. to supervise, direct, or control the Work, or

b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or

c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work, or

d. to make any examination to ascertain how or for what purposes Contractor has used the moneys paid on account of the Contract Price, or

e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.

5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 14.02.B.2. Engineer may also refuse to recommend any such payment or, because of subsequently discovered evidence or the results of subsequent

inspections or tests, revise or revoke any such payment recommendation previously made, to such extent as may be necessary in Engineer's opinion to protect Owner from loss because:

- a. the Work is defective, or completed Work has been damaged, requiring correction or replacement;
- b. the Contract Price has been reduced by Change Orders;
- c. Owner has been required to correct defective Work or complete Work in accordance with Paragraph 13.09; or
- d. Engineer has actual knowledge of the occurrence of any of the events enumerated in Paragraph 15.02.A.

C. Payment Becomes Due

1. Ten days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended will (subject to the provisions of Paragraph 14.02.D) become due, and when due will be paid by Owner to Contractor.

D. Reduction in Payment

1. Owner may refuse to make payment of the full amount recommended by Engineer because:

- a. claims have been made against Owner on account of Contractor's performance or furnishing of the Work;
- b. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens;
- c. there are other items entitling Owner to a set-off against the amount recommended; or
- d. Owner has actual knowledge of the occurrence of any of the events enumerated in Paragraphs 14.02.B.5.a through 14.02.B.5.c or Paragraph 15.02.A.

2. If Owner refuses to make payment of the full amount recommended by Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, when Contractor corrects to Owner's satisfaction the reasons for such action.

3. If it is subsequently determined that Owner's refusal of payment was not justified, the amount wrongfully withheld shall be treated as an amount due as determined by Paragraph 14.02.C.1.

14.03 Contractor's Warranty of Title

A. Contractor warrants and guarantees that title to all Work, materials, and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to Owner no later than the time of payment free and clear of all Liens.

14.04 Substantial Completion

A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete (except for items specifically listed by Contractor as incomplete) and request that Engineer issue a certificate of Substantial Completion.

B. Promptly after Contractor's notification, , Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.

C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a tentative certificate of Substantial Completion which shall fix the date of Substantial Completion. There shall be attached to the certificate a tentative list of items to be completed or corrected before final payment. Owner shall have seven days after receipt of the tentative certificate during which to make written objection to Engineer as to any provisions of the certificate or attached list. If, after considering such objections, Engineer concludes that the Work is not substantially complete, Engineer will within 14 days after submission of the tentative certificate to Owner notify Contractor in writing, stating the reasons therefor. If, after consideration of Owner's objections, Engineer considers the Work substantially complete, Engineer will within said 14 days execute and deliver to Owner and Contractor a definitive certificate of Substantial Completion (with a revised tentative list of items to be completed or corrected) reflecting such changes from the tentative certificate as Engineer believes justified after consideration of any objections from Owner.

D. At the time of delivery of the tentative certificate of Substantial Completion, Engineer will deliver to Owner and Contractor a written recommendation as to division of responsibilities pending final payment between Owner and Contractor with respect to security, operation, safety, and protection of the Work, maintenance, heat, utilities, insurance, and warranties and guarantees. Unless Owner and Contractor agree otherwise in writing and so inform Engineer in writing prior to Engineer's issuing the definitive certificate of Substantial

Completion, Engineer's aforesaid recommendation will be binding on Owner and Contractor until final payment.

E. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to complete or correct items on the tentative list.

14.05 *Partial Utilization*

A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions.

1. Owner at any time may request Contractor in writing to permit Owner to use or occupy any such part of the Work which Owner believes to be ready for its intended use and substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor will certify to Owner and Engineer that such part of the Work is substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

2. Contractor at any time may notify Owner and Engineer in writing that Contractor considers any such part of the Work ready for its intended use and substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 14.04 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.

4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 5.10 regarding property insurance.

14.06 *Final Inspection*

A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals

that the Work is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

14.07 *Final Payment*

A. Application for Payment

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance certificates of inspection, marked-up record documents (as provided in Paragraph 6.12), and other documents, Contractor may make application for final payment following the procedure for progress payments.

2. The final Application for Payment shall be accompanied (except as previously delivered) by:

a. all documentation called for in the Contract Documents, including but not limited to the evidence of insurance required by Paragraph 5.04.B.7;

b. consent of the surety, if any, to final payment;

c. a list of all Claims against Owner that Contractor believes are unsettled; and

d. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of or Liens filed in connection with the Work.

3. In lieu of the releases or waivers of Liens specified in Paragraph 14.07.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (i) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (ii) all payrolls, material and equipment bills, and other indebtedness connected with the Work for which Owner or Owner's property might in any way be responsible have been paid or otherwise satisfied. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien.

B. *Engineer's Review of Application and Acceptance*

1. If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations

under the Contract Documents have been fulfilled, Engineer will, within ten days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of payment and present the Application for Payment to Owner for payment. At the same time Engineer will also give written notice to Owner and Contractor that the Work is acceptable subject to the provisions of Paragraph 14.09. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.

C. Payment Becomes Due

1. Thirty days after the presentation to Owner of the Application for Payment and accompanying documentation, the amount recommended by Engineer, less any sum Owner is entitled to set off against Engineer's recommendation, including but not limited to liquidated damages, will become due and , will be paid by Owner to Contractor.

14.08 *Final Completion Delayed*

A. If, through no fault of Contractor, final completion of the Work is significantly delayed, and if Engineer so confirms, Owner shall, upon receipt of Contractor's final Application for Payment (for Work fully completed and accepted) and recommendation of Engineer, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by Owner for Work not fully completed or corrected is less than the retainage stipulated in the Agreement, and if bonds have been furnished as required in Paragraph 5.01, the written consent of the surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by Contractor to Engineer with the Application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

14.09 *Waiver of Claims*

A. The making and acceptance of final payment will constitute:

1. a waiver of all Claims by Owner against Contractor, except Claims arising from unsettled Liens, from defective Work appearing after final inspection pursuant to Paragraph 14.06, from failure to comply with the Contract Documents or the terms of any special guarantees specified therein, or from Contractor's continuing obligations under the Contract Documents; and

2. a waiver of all Claims by Contractor against Owner other than those previously made in accordance

with the requirements herein and expressly acknowledged by Owner in writing as still unsettled.

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

15.01 *Owner May Suspend Work*

A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by notice in writing to Contractor and Engineer which will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be granted an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension if Contractor makes a Claim therefor as provided in Paragraph 10.05.

15.02 *Owner May Terminate for Cause*

A. The occurrence of any one or more of the following events will justify termination for cause:

1. Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the Progress Schedule established under Paragraph 2.07 as adjusted from time to time pursuant to Paragraph 6.04);

2. Contractor's disregard of Laws or Regulations of any public body having jurisdiction;

3. Contractor's disregard of the authority of Engineer; or

4. Contractor's violation in any substantial way of any provisions of the Contract Documents.

B. If one or more of the events identified in Paragraph 15.02.A occur, Owner may, after giving Contractor (and surety) seven days written notice of its intent to terminate the services of Contractor:

1. exclude Contractor from the Site, and take possession of the Work and of all Contractor's tools, appliances, construction equipment, and machinery at the Site, and use the same to the full extent they could be used by Contractor (without liability to Contractor for trespass or conversion),

2. incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and

3. complete the Work as Owner may deem expedient.

C. If Owner proceeds as provided in Paragraph 15.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Owner arising out of or relating to completing the Work, such excess will be paid to Contractor. If such claims, costs, losses, and damages exceed such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this Paragraph Owner shall not be required to obtain the lowest price for the Work performed.

D. Notwithstanding Paragraphs 15.02.B and 15.02.C, Contractor's services will not be terminated if Contractor begins within seven days of receipt of notice of intent to terminate to correct its failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt of said notice.

E. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue. Any retention or payment of moneys due Contractor by Owner will not release Contractor from liability.

F. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 5.01.A, the termination procedures of that bond shall supersede the provisions of Paragraphs 15.02.B, and 15.02.C.

15.03 *Owner May Terminate For Convenience*

A. Upon seven days written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):

1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;

2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses;

3. all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others; and

4. reasonable expenses directly attributable to termination.

B. Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

15.04 *Contractor May Stop Work or Terminate*

A. If, through no act or fault of Contractor, (i) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (ii) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (iii) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven days written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the Contract and recover from Owner payment on the same terms as provided in Paragraph 15.03.

B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, seven days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this Paragraph 15.04 are not intended to preclude Contractor from making a Claim under Paragraph 10.05 for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this Paragraph.

ARTICLE 16 - DISPUTE RESOLUTION

16.01 *Methods and Procedures*

A. Either Owner or Contractor may request mediation of any Claim submitted to Engineer for a decision under Paragraph 10.05 before such decision becomes final and binding. The mediation will be

governed by the Construction Industry Mediation Rules of the American Arbitration Association in effect as of the Effective Date of the Agreement. The request for mediation shall be submitted in writing to the American Arbitration Association and the other party to the Contract. Timely submission of the request shall stay the effect of Paragraph 10.05.E.

B. Owner and Contractor shall participate in the mediation process in good faith. The process shall be concluded within 60 days of filing of the request. The date of termination of the mediation shall be determined by application of the mediation rules referenced above.

C. If the Claim is not resolved by mediation, Engineer's action under Paragraph 10.05.C or a denial pursuant to Paragraphs 10.05.C.3 or 10.05.D shall become final and binding 30 days after termination of the mediation unless, within that time period, Owner or Contractor:

1. elects in writing to invoke any dispute resolution process provided for in the Supplementary Conditions, or

2. agrees with the other party to submit the Claim to another dispute resolution process, or

3. gives written notice to the other party of their intent to submit the Claim to a court of competent jurisdiction.

ARTICLE 17 - MISCELLANEOUS

17.01 *Giving Notice*

A. Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if:

1. delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or

2. delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

17.02 *Computation of Times*

A. When any period of time is referred to in the Contract Documents by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

17.03 *Cumulative Remedies*

A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract Documents. The provisions of this Paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

17.04 *Survival of Obligations*

A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion, and acceptance of the Work or termination or completion of the Contract or termination of the services of Contractor.

17.05 *Controlling Law*

A. This Contract is to be governed by the law of the state in which the Project is located.

17.06 *Headings*

A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

SUPPLEMENTARY CONDITIONS

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SUPPLEMENTARY CONDITIONS

1. Definitions

- A. The definition of "Technical Specifications" shall be the same as the definition for Specifications stated in Paragraph 1.01 under item number 43 of the General Conditions.
- B. Delete Paragraph 1.01.A.12 of the General Conditions in its' entirety.
- C. In Paragraph 1.01A.52 delete the following words, "or responding to differing or unseen subsurface or physical conditions under which the work is to be performed or to emergencies."

2. Commencement of Contract Time: Notice to Proceed

The commencement of Contract Time, as stated in Item 2.03 of the General Conditions is changed to read The Contract Time will commence to run within the sixtieth day after the Effective Date of the Agreement, or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed; but in no event shall the Contract Time commence to run later than the sixtieth day after the Effective Date of the Agreement.

Notice to Proceed may be given at any time within sixty days after the Effective Date of the Agreement. Refer to Item 21 of the Instructions to Bidders regarding execution of the Contract.

3. Before Starting Construction

In addition to the requirements of Paragraph 2.05 of the General Conditions, "**CONTRACTOR** shall deliver to the **OWNER**, with his signed Contract, all bonds and insurance which he is required to purchase and maintain in accordance with Article 5 of the General Conditions. A copy shall also be submitted to the **ENGINEER**. The **OWNER** shall deliver to the **CONTRACTOR** a copy of all policies of insurance which the **OWNER** is required to purchase and maintain in accordance with Article 5 of the General Conditions."

4. Preconstruction Conference

The time period for holding the preconstruction conference as stated in Paragraph 2.06 of the General Conditions shall be within 30 days after the Effective date of the Agreement, but before the **CONTRACTOR** starts the Work at the site.

5. Subsurface and Physical Conditions

Paragraphs 4.02 and 4.03 shall be deleted in its' entirety and replaced with the following:

DIFFERING SITE CONDITIONS PROVISION:

Execution of this Contract (Agreement) by the Contractor is a representation that the Contractor has visited the site, that general and local conditions are suitable for the work to be performed and that the Contractor accepts all conditions at the Project site. The Contractor assumes all risks with respect to the requirements of the Contract Documents, including without limitation the characteristics (natural and manmade) of the site, site accessibility, labor rates and availability, weather conditions, and any other matter that could affect the performance and cost of the work.

6. Insurance Requirements

- A. Paragraphs 5.05 and 5.06 shall be deleted in their entirety.
- B. Paragraphs 5.07.B, 5.07.B.1 and 5.07.B.2 shall be deleted in their entirety.
- C. In addition to the requirements of Article 5 of the General Conditions, insurance coverage specified herein constitutes the minimum requirements and said requirements shall in no way lessen or limit the liability of the **CONTRACTOR** under the terms of the Contract. The **CONTRACTOR** shall procure and maintain at his own expense any additional kinds and amounts of insurance that, in his own judgment, may be necessary for his proper protection in the prosecution of the Work.
 - 1. The **CONTRACTOR** shall carry insurance as prescribed herein and all policies shall be with companies satisfactory to the **OWNER**. If a part of this Contract is sublet, the **CONTRACTOR** shall require each Subcontractor to carry insurance of the same kinds and in like amounts as carried by the **CONTRACTOR**, including all additional insureds and waivers of subrogation.
 - 2. Certificates of insurance shall state that 30 days written notice will be given to the **OWNER** before the policy is canceled or changed. No **CONTRACTOR** or Subcontractor will be allowed to start any construction work on this Contract until certificates of all insurance required herein and all coverage requirements specified in contract documents are filed with and approved by the **OWNER**. The certificates shall show the type, amount, class of operations covered, effective dates and the dates of expiration of policies.
 - 3. The **CONTRACTOR** shall secure and maintain in effect for the period of the **CONTRACT** and pay all premiums for the following kinds and amounts of insurance:
 - a. Worker's Compensation and Employer's Liability Insurance: This insurance shall protect the **CONTRACTOR** against all claims under applicable State Worker's Compensation Laws. The **CONTRACTOR** shall also be protected and shall cause each Subcontractor to be protected against claims for injury, disease, or death of employees, which for any reason, may not fall within the provisions of a Worker's Compensation Law. The liability limits shall not be less than the required statutory limits for Worker's Compensation and Employer's Liability limits in the amount of ONE MILLION DOLLARS (\$1,000,000.00). **CONTRACTOR** and subcontractors shall supply **OWNER** endorsements from their carriers evidencing waiver of subrogation in favor of the **OWNER**.

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- b. **CONTRACTOR'S** and Subcontractor's Comprehensive General Liability Insurance, including bodily injury, property damage, contractual and other standard coverage contained in Comprehensive General Liability Insurance, in an amount of not less than ONE MILLION DOLLARS (\$1,000,000) per occurrence and aggregate. **OWNER** shall be provided an endorsement naming the **OWNER** as an insured from the insurer for the work contracted. The Comprehensive General Liability policies carried by both the **CONTRACTOR** and the Subcontractors shall contain an endorsement to include the coverage of the following hazards:
- i. Explosion, collapse, and underground property damage to include any damage or destruction of property below the surface of the ground, such as wires, conduits, pipes, mains, sewers, etc., caused by the **CONTRACTOR'S** operations.
 - ii. The collapse of and structural injury to any building, structure or property on or adjacent to the **OWNER'S** premises or right-of-way caused by the **CONTRACTOR'S** operations in the removal of other buildings, structures, or supports, or by excavation below the surface of the ground.
 - iii. Contractual Liability Coverage for the Hold Harmless segments of the Contract Documents.
- c. **CONTRACTOR'S** Contingent or Protective Liability and Property Damage: In case part of this Contract is sublet, the **CONTRACTOR** shall secure contingent or protective liability and property damage insurance to protect the **CONTRACTOR** from any and all claims arising from the operation of Subcontractors in the execution of Work included in the Contract. In no case shall the amount of such protection be less than the limits of \$500,000/\$1,000,000 for Public Liability Insurance and \$500,000/\$1,000,000 for Property Damage Insurance. The coverage in each case shall be acceptable to the **OWNER**.
- d. Auto Liability: The **CONTRACTOR** shall maintain Auto Liability Insurance in the amount of not less than ONE MILLION DOLLARS (\$1,000,000) Combined Single Limit to protect him from any and all claims arising from the use of the following:
- i. **CONTRACTOR'S** own automobiles and trucks.
 - ii. Hired and non-owned automobiles and trucks.
 - iii. Automobiles and trucks owned by Subcontractors.
- The aforementioned is to cover use of automobiles and trucks on and off the site of the Project. The **OWNER** shall be provided an endorsement from the insurer naming the **OWNER** as an insured for the work contracted.
- e. **OWNER'S** Protective Liability Policy: The **CONTRACTOR** shall maintain **OWNER'S** Protective Liability Insurance with the **OWNER** as the named insured, and the **ENGINEER**, and their servants, agents and employees as additional insureds, in an amount not less than ONE MILLION DOLLARS (\$1,000,000).
- f. Umbrella Liability: The **CONTRACTOR** shall provide **OWNER** a certificate of insurance evidencing Umbrella Liability Insurance in the amount of not less than FIVE MILLION DOLLARS (\$5,000,000).

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- g. Builder's Risk and Boiler and Machinery Insurance: The **CONTRACTOR** shall purchase and maintain Builder's Risk and Boiler and Machinery Insurance in the amount of the total value of the materials necessary for the project. A certificate evidencing such coverage shall be on file with the **OWNER**.
 - h. Property Insurance: No property insurance is required for this project.

7. Contractor's Responsibilities

Delete Paragraph 6.02.B in its entirety.

8. Record Documents

In addition to the requirements of Paragraph 6.12 of the General Conditions, **CONTRACTOR** shall provide accurate 'mark-ups' acceptable to the **ENGINEER** on or before the date of Substantial Completion of the Project for use by the **ENGINEER** in the preparation of 'record' drawings. Final payment will not be made to the **CONTRACTOR** prior to the **ENGINEER** receiving these mark-ups from the **CONTRACTOR**.

9. Limitations on ENGINEER'S Responsibilities

In addition to the requirements of Paragraph 9.09.B, when it comes to his attention, the **ENGINEER** will immediately notify the **OWNER** in the event that the **CONTRACTOR** is not complying with the Contract Documents or is conducting the Work in such a manner that could be considered grounds for termination of the Contract. The **CONTRACTOR** shall retain responsibility for performing all Work in compliance with the Contract Documents.

The following language shall be added to Paragraph 9.09.B:

"Consistent with the express provisions of this Section 00700, Article 6.13, Article 6.17.D.2, Article 9.02.B, Article 9.09, this Article 9.09.B, and Article 14.02.B.4.b, any reference to "safety" elsewhere in this contract, including but not limited to those found in Section 00700, Articles 4.02.B.1, 4.04.A.2.d, 4.04.B.1, 4.06.B.1, 6.02.B, 6.14, 6.15, 6.16, 6.17.C.1.c, and 13.02.A, does not impose upon the Engineer any duty, obligation or other contractual undertaking to administer the "safety" aspects of Contractor's performance, or any other matter relating to the Contractor's means, methods, techniques, sequences or procedures. Contractor's contractual safety obligations and means and methods during construction are the sole responsibility of the Contractor and are not being administered, overseen or reviewed in any way by the Engineer in performing its contractual obligations"

10. Change of the Contract Time

In addition to the requirements of Paragraph 12.03 of the General Conditions, rainstorms which are encountered in the project area on a regular and seasonal basis do not constitute an abnormal weather condition.

11. Payments to **CONTRACTOR**

Paragraph 14.02, Application for Payments, is deleted in its' entirety and the following substituted therefore:

- A. Monthly Estimates and Partial Payments: The **CONTRACTOR'S** partial payment period shall end on the last day of each month. The **CONTRACTOR** shall submit acceptable Application for Payment to the **ENGINEER** by the date indicated on the payment schedule as supplied to **CONTRACTOR** by **ENGINEER** provided that the amount due on completed work is at least \$500.00. The partial payment request shall be filled out and signed by the **CONTRACTOR** covering the work completed as of the date of the request and accompanied by such supporting documentation as is required by the Contract Documents and also as the **ENGINEER** may reasonably require. At the discretion of the **OWNER**, the **ENGINEER** may be authorized to include in any monthly estimate advances covering approximately 95 percent of the value of unused materials delivered and stored on the site of the work. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the site, the Application for Payment shall also be accompanied by such data, satisfactory to **OWNER**, as will establish **OWNER'S** title to the material and equipment and protect **OWNER'S** title to the material and equipment and protect **OWNER'S** interest therein, including applicable insurance. Each subsequent Application for Payment shall include an affidavit of **CONTRACTOR** stating that all previous progress payments received on account of the Work have been applied to discharge in full all of **CONTRACTOR'S** obligations reflected in prior Applications for Payment.
- B. After each monthly estimate has been approved, the **OWNER** shall pay to the **CONTRACTOR** 95 percent of the amount of said estimate. From the total value of each estimate there will be deducted an amount equivalent to 5 percent of the whole as a retainage to be held by the **OWNER**. The monthly estimates will be approximate only and subject to correction in any subsequent estimate rendered following discovery of the error. At the discretion of the **OWNER**, the **ENGINEER** may be authorized to include any monthly advances covering approximately 95 percent of the value of unused materials delivered and stored on the site of the work.
- C. Subsequent to discovery of any defective or questionable work, an amount equal to the estimated value of such work will be deducted from the next current estimate. The sum will not be included in a subsequent estimate until the defects have been remedied to the **ENGINEER'S** satisfaction.
- D. The **OWNER** reserves the right to withhold payment of any monthly estimate that becomes due if, in the opinion of the **OWNER'S** Attorney, such action is warranted because of any breach of the Contract Provisions or malfeasance on the part of the **CONTRACTOR** or because the progress or the quality of the work is unsatisfactory and does not comply with the Plans and Specifications.

Paragraph 14.02.C of the General Conditions is modified to read “60 days after presentation of the Application for Payment to **OWNER** with **ENGINEER’S** recommendation, the amount recommended will (subject to the provisions of Paragraph 14.02.D) become due, and when due will be paid by **OWNER** to **CONTRACTOR**.”

Paragraph 14.07.C of the General Conditions is modified to read, "If the Application and accompanying documentation are appropriate as to form and substance, **OWNER** shall, within 60 days after receipt thereof, pay **CONTRACTOR** the amount recommended by **ENGINEER**."

Delete Paragraph 14.09.A.2 in its entirety.

12. List of Contract Drawings: Not Used.

13. Liquidated and Special Damages

The **CONTRACTOR** will be subject to liquidated damages and actual damages in the amount of the actual costs incurred by the Owner after the time stipulated for Substantial Completion of the work. The **CONTRACTOR** will be subject to liquidated damages in the amount of \$250 for each consecutive calendar day after the time stipulated for Substantial Completion of the work. The actual costs include, but are not limited to construction related costs resulting from the Contractor’s failure to complete the work on schedule.

The liquidated damages provided for herein were not calculated in contemplation or anticipation that the **CONTRACTOR** would default or otherwise abandon the project. In the event the **CONTRACTOR** does default or otherwise abandon the project, the **OWNER** reserves the right to collect from the **CONTRACTOR** or its surety, in addition to the liquidated damages, the actual damages including, but not limited to, additional engineering costs, incurred by the **OWNER** as a result of the default or abandonment.

14. Suspension of Work and Termination

In Paragraph 15.04.A delete the following words: “or Engineer fails to act on any Application for Payment within thirty days, after it is submitted” and add the words “if the”. In Paragraph 15.04.B delete the following words: “if Engineer has failed to act on an Application for Payment within thirty days after it is submitted” and add the words “if the”.

16. Methods and Procedures

Delete sentence 16.01.C.2 in its entirety

**** END OF SECTION ****

SECTION 01010

SUMMARY OF WORK

PART 1 GENERAL

1.01 Location of Work

All of the work of this Contract is located in public right-of-way or on easements and property owned or obtained by the Owner.

1.02 Work to be Done

- A. The CONTRACTOR shall furnish all labor, materials, equipment, tools, services and incidentals to complete all work required by these Specifications and as shown on the Drawings.
- B. The CONTRACTOR shall perform the work complete, in place, and ready for continuous service, and shall include repairs, testing, permits, cleanup, replacements and restoration required as a result of damages caused during this construction.
- C. All materials, equipment, skills, tools and labor which are reasonably and properly inferable and necessary for the proper completion of the work in a substantial manner and in compliance with the requirements stated or implied by these Specifications or Drawings shall be furnished and installed by the CONTRACTOR without additional compensation, whether specifically indicated in the Contract Documents or not.
- D. The CONTRACTOR shall comply with all county, state, federal, and other codes which are applicable to the proposed construction work.

1.03 General Description of Work to be Performed

- A. The Work included in the Contract shall be as described in the Contract Documents.
- B. All work shall be done as described in the Specifications and as shown on the Drawings, complete, tested and ready for operation.

1.04 Work Sequence

- A. All work to be done under the Contract shall be done with minimum inconvenience to the OWNER. The CONTRACTOR shall coordinate his work with private property owners such that existing drainage, water service, sewer service and garbage pickup and other public services are maintained at all times.
- B. Construct Work in stages to accommodate the OWNER'S use of the premises during the construction period; coordinate the construction schedule and operations with the ENGINEER.
- C. Construct the Work in stages to provide for public convenience. Do not close off public

access until completion of one stage of construction will provide alternative usage.

1.05 Construction Areas

- A. CONTRACTOR shall limit his use of the construction areas for Work and for storage, to allow for:
 - 1. Work by other contractors.
 - 2. OWNER use.
 - 3. Public use.
- B. Coordinate use of work site under direction of ENGINEER.
- C. Assume full responsibility for the protection, security and safekeeping of products under this Contract stored on the site.
- D. Move any stored products, under CONTRACTOR'S control which interfere with operations of the OWNER or other contractors.
- E. Obtain and pay for the use of additional storage or work areas needed for operations.

1.06 Owner Occupancy

- A. OWNER will have full access to and use of all existing sewer facilities during the entire period of construction for the conduct of his normal operations. Cooperate with ENGINEER in all construction operations to minimize conflict and to facilitate OWNER usage.
- B. CONTRACTOR shall at all times conduct his operations as to insure the least inconvenience to the general public.

1.07 Partial Owner Occupancy

The CONTRACTOR shall schedule his operations for completion of portions of the Work, as designated, for the OWNER'S occupancy prior to Substantial Completion of the entire Work.

1.08 Plans and Specifications

- A. Specifications: The Technical Specifications consist of three parts: General, Products, and Execution. The General section contains general requirements which govern the work. The Products and Execution sections modify and supplement these by detailed requirements of the work and shall always govern whenever there appears to be a conflict.
- B. Intent:
 - 1. All work called for in the Specifications applicable to the Contract but not shown on the Plans in their present form or vice versa shall be of like effect as if shown or mentioned in both. Work not specified in either the Plans or in the Specifications but involved in carrying out their intent or in the complete and proper execution of the work is required and shall be performed by the CONTRACTOR as though it were specifically delineated or described at the CONTRACTOR'S expense.
 - 2. The apparent silence of the Specifications as to any detail, or the apparent omission

from them of a detailed description concerning any work to be done and materials to be furnished, shall be regarded as meaning that only the best general practice is to prevail and that only material and workmanship of the best quality is to be used, and interpretation of these Specifications shall be made upon that basis.

- C. Conflict between Drawings and Specifications. Where an obvious conflict exists between the Plans and Specifications, the ENGINEER shall decide which governs and the CONTRACTOR shall comply with the decision. Such decision shall not be grounds for additional payment to the CONTRACTOR, i.e., the CONTRACTOR shall include the price of the most expensive alternative in his bid.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 Description

- A. CONTRACTOR shall furnish all labor, materials, tools, equipment, appurtenances and all services necessary to perform all Work required, at the lump sum or unit prices for the items listed in the Prices Bid Table located in the Bid Proposal.
- B. The pay items listed in the Bid Proposal constitute all of the pay items for the completion of the Contract. No direct or separate payment will be made for providing miscellaneous temporary or accessory works, plant, services, CONTRACTOR'S or ENGINEER'S field offices, layout surveys, job signs, sanitary requirements, testing, safety devices, approval and record drawings, water supplies, power, removal of waste, watchmen, bonds, insurance, and all other requirements of the Contract Documents. Compensation for all such services, things and materials shall be included in the prices stipulated for the lump sum and unit pay items listed herein.

1.02 Engineer's Estimate of Quantities

The ENGINEER's estimated quantities for unit bid prices, as listed in the Bid Form, are approximate only and are included solely for the purpose of comparison of Bids. The OWNER does not expressly or by implication agree that the nature of the materials encountered below the surface of the ground or the actual quantities of material encountered or required will correspond therewith and reserves the right to increase or decrease any quantity or to eliminate any quantity as OWNER may deem necessary.

1.03 Related Provisions Specified Elsewhere

- A. Payments to CONTRACTOR: Refer to General Conditions and Supplemental Conditions.
- B. Changes in Contract Price: General Conditions and Contract Forms.
- C. Schedule of Values: Section 01026.

1.04 Measurement of Quantities

- A. The measurement and determination of quantities for each pay item will be made in general as prescribed hereinafter and specifically as set out under Method of Measurement and Basis of Payment for each respective pay item section. Actual authorized quantities of work, complete and accepted under the contract, will be measured by the Engineer according to United States standard measures, and in accordance with well recognized engineering practices.
- B. A station when used as a definition or term of measurement will be 100 linear feet.

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- C. Unless otherwise specified, longitudinal measurements for area computations will be made horizontally, and no deductions will be made for individual fixtures having an area of nine square feet or less. Unless otherwise specified, transverse measurements for area computations will be the neat dimensions shown on the plans or ordered by the Engineer.
 - D. Where the area unit for measurement and payment is specified for erosion control items, the measurements will be taken on the slope of the ground to compute the actual surface area for payment.
 - E. Structures will be measured according to neat lines shown on the plans or as altered to fit field conditions.
 - F. All items which are measured by the linear foot, such as pipe culverts, guardrail, underdrains, etc., will be measured as specified under the Method of Measurement for the item unless otherwise shown on the plans.
 - G. No payment will be made for unauthorized excavation. Excavation or embankment performed beyond the required neat lines or slope stakes will not be measured for payment unless within tolerances specified or otherwise provided.
 - H. In computing volumes of excavation and embankment, the average end area method will be used, unless otherwise specified.
 - I. When size number is used in the measurement of wire, it will mean the size number specified in AASHTO Designation: M 32.
 - J. The term ton will mean the short ton consisting of 2000 pounds avoirdupois. All materials which are specified for measurement by the ton shall be weighed by competent personnel on approved scales set at locations approved by the Engineer or in the case of prepackaged materials, the manufacturer's bag weight may be used. If material is shipped by rail, the car weight may be accepted provided it is the actual weight of material and not minimum car weight used for assessing freight tariff. However, car weights will not be acceptable for material to be used in mixing plants. Trucks used to haul material being paid for by weight shall be weighed empty daily at such time as the Engineer directs, and each truck shall bear a plainly legible identification mark.
 - K. When a complete structure or structural unit, in effect "lump sum" work, is specified as the unit of measurement, the unit will be construed to include all necessary fittings and accessories.
 - L. Volumes of materials computed in cubic yards by the average end area method are designated as "Final Measure" (FM), or "Final Measure - Embankment" (FME). Volumes of materials designated for measurement loose in the vehicle are designated as "Loose Vehicle Measure" (LVM).

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- M. Volumetric measurement of excavation, embankment, granular materials or similar materials in cubic yards will be made by the methods designated on the plans or in the proposal. For justifiable reasons, such as impracticability of measurement of volumes (usually small) by the designated method, the Engineer may order measurement by another method as follows:
1. Volumes designated for payment by FM may be measured LVM and converted to contract measurement by multiplying the loose measure by 80 percent.
 2. Volumes designated for payment by LVM may be measured in its original position by the average end area method and multiply the FM measure by 125 percent.
 3. Volumes designated for payment by FME may be measured in its original position by the average end area method and multiply the FM measure by 90 percent.
 4. Small volumes of surplus, excess excavation or other small volumes of excavation which are impractical to measure by the average end area method but are designated to be measured by FME may be measured LVM and multiply the loose measure by 72 percent.

When the Engineer orders the use of a conversion factor for converting a unit of measure, the ordered method of measurement shall be deemed acceptable to all parties and shall be final.

- N. When requested by the Contractor and with written approval of the Engineer, material specified to be measured by the cubic yard or ton may be converted to the other measure as appropriate. Factors for this conversion will be determined by the Engineer and agreed to by the Contractor before such method of measurement is used.
- O. All materials measured by the cubic yard LVM shall be hauled in approved vehicles and verified at the point of delivery. Vehicles may be of any size or type acceptable to the Engineer provided the body is of such shape that the capacity may be readily and accurately determined to the whole cubic yard. Unless all vehicles on the work are of uniform capacity, each vehicle must be plainly labeled to indicate its measured capacity. All vehicles shall be legibly numbered for identification.
- P. The vehicles shall be loaded to ensure a water level load when they arrive at the point of delivery. Loads hauled in unapproved vehicles and loads of a quantity less than the measured quantity for the hauling vehicle, will be subject to rejection.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01026
SCHEDULE OF VALUES

PART 1 GENERAL

1.01 Requirements Included

The Schedule of Values is an itemized list that establishes the value or cost of each part of the work as defined in Section 01025, Part 1.04. All other work shall be paid according to the Prices Bid Table. It shall be used as the basis for preparing progress payments and may be used as a basis for negotiations concerning additional work or credits which may arise during the construction. Quantities and unit prices may be included in the schedule when approved by or required by the ENGINEER.

1.02 Preparation

- A. Schedule shall show breakdown of labor, materials equipment and other costs used in preparation of the Bid.
- B. Costs shall be in sufficient detail to indicate separate amounts for each Section of the Specifications.
- C. CONTRACTOR may include items for bond, insurance, temporary facilities and job mobilization within the mobilization bid item.
- D. Schedule of Values shall be prepared on 8-1/2 inch by 11 inch white paper.
- E. Use Table of Contents of the Specifications as basis for Schedule format and identify each item with number and title in the Table of Contents. List sub-items of major products or systems as appropriate or when requested by ENGINEER.
- F. When requested by ENGINEER, support values with data that will substantiate their correctness.
- G. The sum of the individual values shown on the Schedule of Values must equal the total Contract Price.
- H. The manner in which overhead and profit are shown shall be supported by the ENGINEER.
- I. Schedule shall show the purchase and delivery costs for materials and equipment that the CONTRACTOR anticipates he shall request payment for prior to their installation.

1.03 Submittal

Submit two copies of Schedule to ENGINEER for approval at least 20 days prior to submitting first application for a progress payment. After review by ENGINEER, revise and resubmit Schedule as required until it is approved.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01027

APPLICATIONS FOR PAYMENT

PART 1 GENERAL

1.01 Requirements Included

Submit Applications for Payment to the ENGINEER in accordance with the General Conditions and in the form required by the OWNER.

1.02 Format and Data Required

- A. Submit applications typed with itemized Schedule of Values data typed on 8-1/2 inch x 11 inch white continuation sheets.
- B. Provide detailed substantiating data on additional sheets, including paid invoices where applicable.

1.03 Preparation of Application for Progress Payments

- A. Application Form:
 - 1. Fill in required information, including that for Change Orders executed prior to date of submittal of application.
 - 2. Fill in summary of dollar values to agree with respective totals indicated on continuation sheets.
 - 3. Execute certification with signature of a responsible officer of the CONTRACTOR.
- B. Continuation Sheets:
 - 1. Fill in total list of all scheduled component items of work, with item number and scheduled dollar value for each item.
 - 2. Fill in dollar value in each column for each scheduled line item when work has been performed or products stored. Round off values to the nearest dollar or as specified for Schedule of Values.
 - 3. List each Change Order executed prior to date of submission by Change Order Number and description.
 - 4. To receive payment for materials stored on site, submit copies of the original paid invoices with the application for payment.

1.04 Substantiating Data for Progress Payments

- A. Provide substantiating data containing suitable information for review of costs requested with the applications for progress reports identifying:
 - 1. The payment item to which the substantiating data applies.
 - 2. Application number and date.
 - 3. Detailed list of enclosures.
 - 4. For stored materials:
 - a. Item number and identification as shown on application.

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- b. Description of specific material and invoice of delivered material.
 - c. Consolidated inventory of stored materials showing:
 - (1) Materials received.
 - (2) Materials used.
 - d. Additional stored materials may not be claimed upon reaching 75% completion of the total project.
 - e. Stored Materials shall be inventoried jointly prior to each pay request.
- B. Submit one copy of data for each copy of application for payment.
- C. The CONTRACTOR is to maintain an updated set of record drawings in accordance with Section 01720. As a prerequisite for monthly progress payments, the CONTRACTOR is to exhibit the updated record drawings for review by the OWNER and the ENGINEER.
- D. Construction photographs as required by Section 01380 will be submitted with each progress payment and shall be considered a part of that payment request.
- E. Updated construction schedule showing work completed and work projected by month to the completion of the project.

1.05 Preparation of Application for Final Payment

- A. Fill in application form as specified for progress payments.
- B. Use continuation sheet for presenting the final statement of accounting.

1.06 Submittal Procedure

- A. Submit applications for payment to the ENGINEER at the times stipulated in the General Conditions.
- B. Initially a pencil draft application shall be informally submitted to the ENGINEER who shall review the draft with the CONTRACTOR and make adjustments as appropriate. The CONTRACTOR shall then prepare a formal typed application using the informally approved amounts and submit three (3) complete sets to the ENGINEER.
- C. When the ENGINEER finds the application properly completed and correct, as informally approved, he will transmit it to the OWNER for payment with a copy to the CONTRACTOR.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01030

SPECIAL PROJECT PROCEDURES

PART 1 GENERAL

1.01 WORKMANSHIP, MATERIAL AND EQUIPMENT

- A. When a particular product is specified or called for, it is intended and shall be understood that the Contractor include those products in his bid. Should the Contractor desire to substitute products which he purports to be equal to those specified, the Contractor shall furnish information as described in Section 00700, General Conditions, The alternative products(s) submitted by the Contractor shall meet the requirements of the specifications and shall, in all respects, be equal to the products specified by name herein.
- B. All apparatus, mechanism, equipment, machinery, and manufactured articles for incorporation into the Work shall be new and unused and the standard products of recognized reputable manufacturers.

1.02 PROVISIONS FOR CONTROL OF EROSION AND POLLUTANTS

Sufficient precautions shall be taken during construction to minimize the runoff of polluting substances such as silt, clay, fuels, oils, bitumens, calcium chloride, or other materials harmful to humans, fish, or other life, into the ground and surface waters of the state. Contractor will give all notices and comply with all laws, notices, ordinances, rules and regulations applicable to the work, without exception.

1.03 ON-SITE STORAGE

The Contractor's attention is invited to special storage requirements and possible charges for noncompliance of on-site storage requirements for materials and equipment as specified in Section 01600.

1.04 INCLEMENT WEATHER

- A. In the event of inclement weather, or whenever Engineer shall direct, Contractor and Subcontractors will protect carefully the work and materials against damage or injury from the weathers, including sudden rises in flows due to storms outside the immediate construction zone. Damaged Work and materials shall be removed and replaced. If, in the opinion of Engineer, any portion of Work or materials shall have been damaged or injured by reason of failure on the part of the Contractor or Subcontractors to so protect the Work, no additional time for removal and replacement will be given by the Owner.

1.05 WARRANTIES

- A. All work supplied under the Contract shall be warranted for a period of one (1) year or such longer period of time as may be prescribed by any special guarantee required by Change Orders or issued by Subcontractor, suppliers, or manufacturers, from the date of acceptance for operations (beneficial use) by the Owner as specified in Section 01740, Warranties and Bonds.
- B. The work shall be warranted to be free from defects in workmanship, design and materials. If any part of the work should fail during warranty period, it shall be replaced or restored to service at no expense to the Owner.

1.06 CONSTRUCTION CONDITIONS

The Contractor shall strictly adhere to the specific requirements of the governmental units(s) or agency(ices) having jurisdiction over the work. Wherever there is a difference in the requirements of a jurisdictional body and these Specifications, the more stringent shall apply.

1.07 PUBLIC NUISANCE

The Contractor shall not create a public nuisance, including, but not limited to, encroachment on adjacent lands, flooding of adjacent lands, or excessive noise.

1.08 SUSPENSION OF WORK DUE TO WEATHER

During inclement weather, all work which might be damaged or rendered inferior by such weather conditions shall be suspended. The orders and decisions of the Engineer as to suspensions shall be final and binding. The authority of the Engineer to issue such an order shall not be interpreted as a requirement to do so. During suspension of the work from any cause, the work shall be suitably covered and protected so as to preserve it from injury by the weather. Notwithstanding this provision, it is understood and agreed that the General Conditions shall control.

1.09 RELOCATIONS

The Contractor shall be responsible for the relocation of structures, including, but not limited to, light poles, signs, sign poles, fences, mailboxes, piping, conduits and drains that interfere with the positioning of the work as set out on the Drawings. The cost of all such relocations shall be included in the bid.

1.10 SALVAGE

Any existing equipment or materials, including, but not limited to, valves, pipes, fittings, couplings, etc., which are removed or replaced as a result of construction under this project may be designated as salvage by the Engineer and, if so, shall be removed and delivered to the Owner at a location directed by the Engineer.

1.11 PERMITS

Upon notice of award, the Contractor shall immediately apply for all applicable permits not previously obtained by the Owner to do the work from the appropriate governmental agency or agencies. No work shall commence until all applicable permits have been obtained and copies delivered to the Engineer. The costs for obtaining all permits shall be borne by the Contractor.

1.12 HAZARDOUS LOCATION

- A. The existing wet wells, manholes, sewers, force mains, pipes, and other related areas are hazardous locations in that explosive concentrations of sewage gas may be present. The Contractor is cautioned that the above areas, especially the wet well, may be deficient in oxygen. Checks shall be made by the Contractor whenever personnel are working in these areas to insure that adequate ventilation has been provided.
- B. In his operations in hazardous locations, the Contractor shall use spark-proof tools and explosion-proof temporary lighting and shall not use electric power tools, open flame devices, electric welding or any device or methods which might conceivably cause ignition or explosion.
- C. If a working is atmosphere is unsafe, the Contractor shall furnish, install, operate, and later remove such temporary auxiliary ventilating facilities as are necessary to provide a safe atmosphere.
- D. The Contractor shall also instruct and caution his employees and the employees of his subcontractors to avoid smoking while in the hazardous areas. Suitable prominent "No Smoking" signs shall be placed at locations where sewage gas could be present.

1.13 NOTIFICATION OF WORK ON EXISTING FACILITIES

Before commencing work on any of the existing structures or equipment, the Contractor shall notify the Engineer, in writing, at least ten (10) calendar days in advance of the date he proposes to commence such work.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01041

PROJECT COORDINATION

PART 1 GENERAL

1.01 Work Progress

The CONTRACTOR shall furnish personnel and equipment which will be efficient, appropriate, and large enough to secure a satisfactory quality of work and a rate of progress which will insure the completion of the work within the time stipulated in the contract. If at any time such personnel appear to the ENGINEER to be inefficient, inappropriate, or insufficient for performing the quality of work required or for producing the rate of progress aforesaid, he may order the CONTRACTOR to increase the efficiency, change the character or increase the personnel and equipment, and the CONTRACTOR shall conform to such order at his own expense. Failure of the ENGINEER to give such order shall in no way relieve the CONTRACTOR of his obligations to perform the work at the specified quality and rate of progress.

1.02 Private Land

The CONTRACTOR shall not enter or occupy private land outside of the OWNER'S land, right-of-ways, or servitudes except by written permission of both the OWNER and the Owner of the private land. Such permission shall be obtained by and at the expense of the CONTRACTOR and at no additional cost to the OWNER.

1.03 Work Locations

Work shall be located substantially as indicated on the Drawings, but the Engineer reserves the right to make such modifications in locations as may be found desirable to avoid interference with existing structures or for other reasons.

1.04 Open Excavations

All open excavations shall be adequately safeguarded by providing temporary barricades, caution signs, lights and other means to prevent accidents to persons and damage to property. The CONTRACTOR shall, at his own expense, provide suitable and safe bridges and other crossings for accommodating travel by the public, OWNER'S and ENGINEER'S personnel, and workmen.

1.05 Test Pits

Test pits for the purpose of locating underground utilities or structures which may interfere with installation of the Work shall be excavated in advance of the Work and backfilled by the CONTRACTOR. Test pits shall be backfilled immediately after their purpose has been satisfied and maintained in a manner satisfactory to the ENGINEER. The costs for such test pits shall be included in the cost of the work for which the test pits benefit.

1.06 Water for Construction Purposes

- A. In locations where public water supply is available, the CONTRACTOR shall purchase water for all construction purposes.
- B. The CONTRACTOR shall make his own arrangements and pay all costs for connections to public water systems and for water used. Existing OWNER supplies or connections shall not be used without prior approval by OWNER.

1.07 Maintenance of Flow

The CONTRACTOR shall maintain the flow of sewers, drains, and water courses interrupted during the progress of the Work, including complete pumped bypass systems where necessary. The CONTRACTOR shall immediately remove all offensive matter. The entire procedure of maintaining existing flow shall be fully discussed with the ENGINEER well in advance of the interruption of any flow. All temporary works installed for flow maintenance shall be removed when the permanent work is finished and the areas cleaned and restored to good condition.

1.08 Protection of Construction and Equipment

- A. All newly constructed work shall be carefully protected from injury in any way. No wheeling or walking or placing of heavy loads on it shall be allowed. All portions of the work injured shall be reconstructed by the CONTRACTOR at his own expense.
- B. All structures shall be protected in a suitable manner. Should any parts of the structures become heaved, cracked or otherwise damaged, all such damaged portions of the work shall be completely repaired and made good by the CONTRACTOR at his own expense and to the satisfaction of the ENGINEER. If, in the final inspection of the work, any defects, faults or omissions are found, the CONTRACTOR shall cause the same to be repaired or removed and replaced by proper materials and workmanship without extra compensation for the materials and labor required. Further, the CONTRACTOR shall be fully responsible for the satisfactory maintenance and repair of the construction and other work undertaken herein for at least the guarantee period described in the contract.
- C. The CONTRACTOR shall take all necessary precautions to prevent damage to any structure due to water pressure (groundwater or surface water) during and after construction and until such structure is accepted and taken over by the OWNER.
- D. The CONTRACTOR is responsible for security of the site. Security of all equipment, material, tools, machinery, supplies, structures, buildings, vehicles and offices is the responsibility of the CONTRACTOR. Measures to affect job site security and limit unauthorized access, including temporary fencing, security guards, and other measures are the responsibility of the CONTRACTOR at his expense.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01041.1

UTILITIES COORDINATION

PART 1 GENERAL

1.01 UTILITIES

Utilities for the purpose of these specifications shall be considered as including, but not limited to: pipelines, conduits, cables, transmission lines and appurtenances of Public Utilities and those of Special Utility Districts, Cities or Towns, businesses or individuals solely for their own use or for use of their tenants; and storm drains, sanitary sewers, street lighting, traffic signal and fire alarm systems.

1.02 UNDERGROUND INSTALLATIONS

Existing underground pipelines and utilities are indicated on the Drawings only to the extent such information was made available to or discovered by Engineer in preparing drawings. There is no guarantee as to the accuracy or completeness of such information, and all responsibility for the accuracy and completeness thereof is expressly disclaimed by the Owner and the Engineer.

1.03 UTILITIES LOCATED IN CITY RIGHT-OF-WAY

Unless otherwise provided or excepted herein, the removal, adjusting, relocation, or replacement of utility structures or facilities within City right-of-way which may be necessary for construction of the work in accordance with these Contract Documents, shall be at the expense of the Contractor.

It shall be the Contractor's responsibility to protect and maintain those utilities which, in the opinion of the Engineer, do not need to be disturbed in order to accomplish the work required by the contract.

1.04 RELOCATIONS OF EXISTING GAS LINES, TELEPHONE LINES, ELECTRIC LINES, CABLE TV LINES AND WATER LINES

The Contractor shall notify the proper authority of the utility involved when relocation of these lines is required. The Contractor shall coordinate all work by the utility so that the progress of construction will not be hampered.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 GENERAL

The Contractor, when the Notice to Proceed is received, shall notify the owners of utilities affected by the work, the approximate date upon which he will begin work, and shall submit a progress schedule of the proposed work. This shall be deemed sufficient notice if the project progresses

according to the progress schedule submitted with the notification. If changes in the schedule of the work occur, the Contractor shall appraise both the owner of the utility affected and the Engineer so that adjustments in the work schedule of utility can be made. The Contractor shall be responsible for damages to the utility facility and construction delays resulting from failure to notify the utility and the Engineer of changes in procedure or location.

3.02 PROTECTION OF EXISTING UTILITIES

- A. The attention of the Contractor is drawn to the fact that during excavation, the possibility exists of the Contractor encountering various water, gas, telephone, electrical, or other utility lines not shown on the Drawings. The Contractor shall exercise extreme care before and during excavation to locate and flag these lines so as to avoid damage to the existing lines. Should damage occur to an existing line, the Contractor shall repair the line at no cost to the Owner.
- B. The Contractor shall assume full responsibility for the protection of all utilities, public and private, including poles, services to buildings, gas pipes, water pipes, hydrants, sewers, drains, and electric and telephone cables, whether or not they are shown on the Drawings. The Contractor shall carefully support and protect all such utilities from injury of any kind. Any damage resulting from the Contractor's operation shall be repaired by him at his expense.

The protection and preservation of utility facilities which are located within the right-of-way, but outside the normal limits of construction, as determined by the Engineer, shall be the responsibility of the Contractor. The Contractor shall be responsible for all damage to utilities which are due to his negligence.

- C. The Contractor shall bear full responsibility for obtaining locations of all underground structures and utilities (including existing water services, drain lines, and sewer). Services to buildings shall be maintained, and all costs or charges resulting from damage thereto shall be paid by the Contractor.
- D. If, in the opinion of the Engineer, permanent relocation of a utility owned by the City is required, he may direct the Contractor, in writing, to perform the work. Work so ordered will be paid for at the Contract unit prices, if applicable, or as extra work under Article 10 of the General Conditions. If relocation of a privately owned utility is required, the Contractor will notify the Utility to perform the work as expeditiously as possible. The Contractor shall fully cooperate with the County and Utility and shall have no claim for delay due to such relocation.
- E. The Contractor shall notify public and private utility companies in writing at least two, but not more than five full days (excluding Saturdays, Sundays, and legal holidays) before excavating near their utilities.

3.03 UTILITIES TO BE ADJUSTED

The owners of utility facilities which require relocation, removal, adjustment or replacement shall, if possible and feasible, perform this work prior to the commencement of the Contractor's work. Where utility work must be done in conjunction with the Contractor's work on the project or in conjunction

with the work of other utilities, arrangements for when, how and where the operation is to proceed shall be worked out among the parties concerned. If disputes arise, the Engineer shall decide the course of action to be taken.

3.04 UTILITIES CONFLICTING WITH OPERATIONS

Those utility facilities which do not conflict with the improvement, but which are obstructions to the operations required for installation or which are obstructions to the operations required for installation of which present unusual difficulty due to their close proximity to the area of the operations, shall be located with certainty by the owners of the utility prior to the arrival of the Contractor's operation which would be hindered by the utility facility. The Contractor is required to preserve the utility facility in place without damage and shall be responsible for damages sustained, if the utility owner has located the facility by exposing it to the view of the Contractor or has otherwise made the Contractor aware, with certainty, of the location of the facility. Any other arrangements that the Contractor may make with a utility owner as a substitute for the requirements of this Section shall require the approval of the Engineer, in writing.

3.05 MISLOCATED UTILITIES

The owner of a utility shall be wholly responsible for the proper location of his facilities which are affected by construction work performed according to these specifications. Improperly located or mislocated facilities which are damaged during construction shall be the responsibility of the utility, providing proper notification has been given.

*** * END OF SECTION * ***

SECTION 01045
CUTTING AND PATCHING

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Contractor shall be responsible for all cutting, fitting and patching, including attendant excavation and backfill, required to complete the Work to include:

- A. Make its several parts fit together properly.
- B. Uncover portions of the Work to provide for installation of ill-timed work.
- C. Remove and replace defective work.
- D. Remove and replace work not conforming to requirements of the Contract Documents
- E. Remove samples of installed work as specified for testing.

1.02 SUBMITTALS

- A. Submit a written request to the Engineer well in advance of executing any cutting or alteration which affects:
 - 1. Work of the Owner or any separate contractor.
 - 2. Structural value or integrity of any element of the Project or work.
 - 3. Integrity or effectiveness of weather-exposed or moisture-resistant elements or systems.
 - 4. Efficiency, operational life, maintenance or safety of operational elements.
 - 5. Visual qualities of sight-exposed elements.
- B. Request shall include:
 - 1. Identification of the work.
 - 2. Description of affected work.
 - 3. The necessity for cutting, alteration or excavation.
 - 4. Effect on work of Owner or any separate Contractor, or on structural or weatherproof integrity of work.

-
5. Description of proposed work:
 - a. Scope of cutting, patching, alteration, or excavation.
 - b. Trades who will execute the work.
 - c. Products proposed to be used.
 - d. Extent of refinishing to be done.
 6. Alternatives to cutting and patching.
 7. Cost proposal, when applicable.
- C. Submit written notice to the Engineer designating the date and the time the work will be uncovered.

PART 2 PRODUCTS

2.01 MATERIALS

Comply with specifications and standards for each specific product involved.

PART 3 EXECUTION

3.01 INSPECTION

- A. Inspect existing conditions of Project, including elements subject to damage or to movement during cutting and patching.
- B. After uncovering work, inspect conditions affecting installation of products or performance or work.
- C. Report unsatisfactory or questionable conditions to the Engineer in writing; do not proceed with work until the Engineer has provided further instructions.

3.02 PREPARATION

- A. Provide adequate temporary support as necessary to assure structural value or integrity of affected portion of Work.
- B. Provide devices and methods to protect other portions of Project from damage.
- C. Provide protection from elements for the portion of the Project which may be exposed by cutting and patching work, and maintain excavations free from water.

3.03 PERFORMANCE

- A. Execute cutting and demolition by methods which will prevent damage to other work and will provide proper surfaces to receive installation of repairs.
- B. Execute excavating and backfilling by methods which will prevent settlement or damage to other work.
- C. Employ original installer or fabricator to perform cutting and patching for:
 - 1. Weather-exposed or moisture-resistant elements.
 - 2. Sight-exposed finished surfaces.
- D. Execute fitting and adjustment of products to provide a finished installation to comply with specified products, functions, tolerances and finishes.
- E. Restore work which has been cut or removed; install new products to provide completed work in accord with requirements of Contract Documents.
- F. Refinish entire surfaces as necessary to provide an even finish to match adjacent finishes:
 - 1. For continuous surfaces, refinish to nearest intersection.
 - 2. For an assembly, refinish entire unit.

*** * END OF SECTION * ***

SECTION 01050

FIELD ENGINEERING

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. The Contractor shall provide and pay for field engineering services for:
 - 1. Survey work required in execution of work.
 - 2. Civil, structural, or other professional engineering services specified or required to execute the Contractor's construction method.
- B. The method of field staking for the construction of the work shall be at the option of the Contractor. The Owner shall provide the engineering surveys to establish reference points which in his judgment are necessary to enable the Contractor to proceed with his work.
- C. The accuracy of any method of staking shall be responsibility of the Contractor. All engineering for vertical and horizontal control shall be the responsibility of the Contractor.
- D. The Contractor shall be held responsible for the preservation of all stakes and marks. If any stakes or marks are carelessly or willfully disturbed by the Contractor, the Contractor shall not proceed with any work until he has reestablished such points, marks, lines and elevations as may be necessary for the prosecution of the work.
- E. The Contractor shall retain the services of a competent surveyor, registered in the State of Mississippi, to layout the work and maintain a survey during construction. The Contractor shall be solely responsible for proper location of the work.

1.02 SURVEY REFERENCE POINTS

Locate and protect control points prior to starting site work, and preserve all permanent reference points during construction.

- 1. Make no changes or relocations without prior written notice to the Engineer.
- 2. Report to the Engineer when any reference point is lost or destroyed or requires relocation because of necessary changes in grades or locations.

1.03 PROJECT SURVEY REQUIREMENTS

- A. Establish temporary bench marks as needed, referenced to data established by survey control points. Record locations, with horizontal and vertical data, on Record Drawings.
- B. Establish lines and levels, and locate and lay out, by instrumentation and similar appropriate

means:

1. Site improvements, including utility slopes and invert elevations.
 2. Batter boards for structures.
- C. From time to time, verify layouts by same methods.
- D. Establish all lines and grades prior to construction of site improvements.

1.04 RECORDS

- A. Maintain a complete, accurate log of all control and survey work as it progresses.
- B. At Contract closeout, submit a survey of installation of water mains, fire hydrants, and valves at the same scale as the Engineer's drawings indicating elevations and channel stationing at 100 foot increments.

1.05 SUBMITTALS

- A. On request of the Engineer, submit documentation to verify accuracy of field engineering work.
- B. Submit Drawings showing locations of all pipes and structures constructed. This Drawing shall be included with the Record Drawings.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01060

REGULATORY REQUIREMENTS

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Abbreviations and acronyms used in Contract Documents to identify reference standards are as indicated herein.

1.02 QUALITY ASSURANCE

- A. Applications: When a standard is specified by references, comply with requirements and recommendations stated in the standard, except when requirements are modified by the Contract Documents, or applicable codes establish stricter standards.
- B. Publications Date: The publication in effect on the date of issue of Contract Documents, except when a specific publication date is specified.

1.03 ABBREVIATIONS, NAMES, AND ADDRESSES OF ORGANIZATIONS

The following standards may be referenced in the Contract Documents. The contractor shall obtain copies of reference standards directly from the publication source when needed for proper performance of Work or when required for submittal by Contract Documents.

AAN	American Association for Nurserymen 1250 I Street N.W., Suite 500 Washington, DC 20005 (202) 789-2900
AASHTO	American Association of State Highway and Transportation Officials 444 North Capitol Street, N.W., Suite 225 Washington, DC 20001 (202) 624-5800
ACI	American Concrete Institute Post Office Box 19150 22400 W. Steven Mile Road Detroit, MI 48219 (313) 532-2600
ACPA	American Concrete Pipe Association 8320 Old Courthouse Road, Suite 201 Vienna, VA 22180 (703) 821-1990
AI	Asphalt Institute

	Asphalt Institute Building College Park, MD 20740-1802
AISC	American Institute of Steel Construction 400 North Michigan Avenue Chicago, IL 60611 (312) 670-2400
AISI	American Iron and Steel Institute 1133 15th Street N.W., Suite 300 Washington, DC 20005 (202) 452-7100
ANSI	American National Standard Institute 1430 Broadway New York, NY 10018 (212) 354-3300
ASCE	American Society of Civil Engineers 345 East 47th Street New York, NY 10017 1-800-548-ASCE 345 East 47th Street New York, NY 10017 (212) 705-7722
ASTM	American Society for Testing and Materials 1916 Race Street Philadelphia, PA 19103 (215) 299-5400
AWPA	American Wood Preserver's Association Post Office Box 849 Stevensville, MD 21666 (301) 643-4163
AWS	American Welding Society Post Office Box 351040 550 LeJeune Road, N.W. Miami, FL 33126 1-800-443-9353
AWWA	American Water Works Association 6666 W. Quincy Avenue Denver, CO 80235 (303) 794-7711
CLFMI	Chain Link Fence Manufacturers Institute

	1776 Mass Avenue N.W., Suite 500 Washington, DC 20036 (202) 659-3537
CRSI	Concrete Reinforcing Steel Institute 933 N. Plum Grove Road Schaumburg, IL 60173 (312) 517-1200
DIPRA	Ductile Iron Pipe Research Association 245 Rivercase Parkway E., Suite 100 Birmingham, AL 35244 (205) 988-9870
FS	Federal Specification General Services Administration Specifications and Consumer Information & Distribution Section (WFSIS) 7 and D Street S.W., Room 654 Washington, DC 20407 (202) 472-2140
IEEE	Institute of Electrical and Electronic Engineers Service Center 345 E. 47th Street New York, NY 10017 (212) 705-7900
MDOT	Mississippi Department of Transportation P. O. Box 1850 Jackson, Ms 39215-1850 (601) 359-1213
MIL	Department of the Navy Navel Publications and Forms Center 5801 Torbor Avenue Philadelphia, PA 19120-5099 (215) 697-2667
NEC	National Electric Code National Fire Protection Association Batterymarch Park Quincy, MA 02269 (617) 770-3000
NEMA	National Electrical Manufacturer's Association 2101 L Street, NW, Suite 300 Washington, DC 20037 (202) 457-8400
NSPE	National Society of Professional Engineers

	1420 King Street Alexandria, VA 22314 (703) 684-2835
OSCI	Office of Standards Code and Information National Bureau of Standards Gaithersburg, MD 20899 (301) 975-4029
PCA	Portland Cement Association 5420 Old Orchard Road Skokie, IL 60077 (312) 966-6200
PCI	Prestressed Concrete Institute 175 W. Jackson Blvd., Suite 1859 Chicago, IL 60604 (312) 786-0300
SMACNA	Sheet Metal and Air Conditioning Contractors' National Association Post Office Box 70 Merrifield, VA 22116 (703) 790-9890
SSPC	Steel Structures Painting Council 4400 5th Avenue Pittsburgh, PA 15213 (412) 268-3327
UL	Underwriter's Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062 (312) 272-8800

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01200
PROJECT MEETINGS

PART 1 GENERAL

1.01 Requirements Included

- A. The ENGINEER shall schedule and administer a preconstruction meeting, construction progress meetings, and specially called meetings throughout the progress of the work. The ENGINEER will:
 - 1. Prepare agenda for meetings.
 - 2. Make physical arrangements for meetings.
 - 3. Preside at meetings.
 - 4. Record the minutes; include significant proceedings and decisions.
 - 5. Reproduce and distribute copies of minutes.
- B. The CONTRACTOR and representatives of, where appropriate, subcontractors and suppliers shall attend meetings. The representative shall be qualified and authorized to act on behalf of the entity each represents.
- C. The CONTRACTOR shall attend and identify at the meetings the actual status of the Contract Work and, when the Work is not being performed consistently with the Contract Documents and construction schedules, shall identify at the meetings the steps he is taking to resolve the inconsistency.

1.02 Pre-construction Meeting

- A. The CONTRACTOR shall participate in a preconstruction meeting to be held after the effective date of the Agreement and prior to the date of Notice to Proceed.
- B. The following are expected to be in attendance:
 - 1. OWNER'S Representative and other staff as appropriate.
 - 2. ENGINEER and his professional consultants as appropriate.
 - 3. ENGINEER's Resident Project Representative.
 - 4. CONTRACTOR's Representative and Construction Superintendent.
 - 5. Subcontractors as appropriate.
 - 6. Utility representatives as appropriate.
 - 7. Others as appropriate.
- C. The following matters are expected to be addressed:
 - 1. Distribution and discussion of:
 - a. List of major subcontractors.
 - b. Project construction schedules.
 - 2. Critical work sequencing.
 - 3. Project Coordination.
 - 4. Designation of responsible personnel.

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5. Procedures and processing of:
 - a. Field decisions.
 - b. Proposal requests.
 - c. Submittals.
 - d. Change Orders.
 - e. Applications for Payment.
 6. Distribution of Contract Documents.
 7. Procedures for maintaining Record Documents.
 8. Use of premises:
 - a. Office, work and storage areas.
 - b. OWNER'S requirements.
 9. Construction facilities, controls and construction aids.
 10. Temporary utilities.
 11. Housekeeping procedures.
 12. Insurance certifications.
 13. Liquidated damages for delay.
 14. Weekly job meetings.
 15. Laboratory testing of material requirements.

1.03 Construction Progress Meetings

- A. Construction progress meetings will be held monthly with the first meeting 30 days or less after the date of Notice to Proceed.
- B. Special construction progress meetings will be held as required by progress of the Work.
- C. The following are expected to be in attendance:
 1. OWNER Representative and other staff as appropriate.
 2. The ENGINEER and his professional consultants as appropriate.
 3. CONTRACTOR's Representative and/or construction Superintendent.
 4. Subcontractors as appropriate.
 5. Suppliers as appropriate.
 6. Others as appropriate.
- D. The following matters are expected to be addressed:
 1. Review and approve minutes of previous meeting.
 2. Review of work progress.
 3. Field observations, problems, conflicts.
 4. Problems which impede Construction Schedule.
 5. Review of off-site fabrication, delivery schedules.
 6. Corrective measures and procedures to regain Construction Schedule.
 7. Revisions to Construction Schedule.
 8. Progress and schedule during succeeding work period.
 9. Payment applications and processing.
 10. Submittals.
 11. Maintenance of quality standards.
 12. Changes, substitutions, and Change Orders.

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- 13. Review proposed changes for:
 - a. Effect on Construction Schedule and completion date.
 - b. Effect on other contracts of the Project.
 - 14. Other matters as appropriate.
 - 15. Record drawings.
- E. The CONTRACTOR shall be prepared to discuss the above topics and to make commitments for resolving deficiencies.
- F. The CONTRACTOR shall provide a current submittal log at each progress meeting in accordance with Section 01340.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01310
CONSTRUCTION SCHEDULES

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Contractor shall comply with the General Conditions.
- B. Submit revised progress schedules periodically.

1.02 FORM OF SCHEDULES

- A. Prepare schedules in the form of a horizontal bar chart.
 - 1. Provide separate horizontal bar for each trade or operation.
 - 2. Horizontal time scale; identify the first work day of each week.
 - 3. Scale and spacing: To allow for notations and future revisions.
 - 4. Minimum sheet size: 8-1/2 inches by 11 inches.
- B. Format of listings: The table of contents of the Contract Documents.
- C. Identification of listings: Items of work.

1.03 CONTENT OF SCHEDULE:

- A. Construction Progress Schedule:
 - 1. Show the complete sequence of construction by activity.
 - 2. Show the dates for the beginning, and completion of each major element of construction.
 - 3. Show projected percentage of completion for each item, as of the first day of each month.
 - 4. Show an anticipated monthly payment schedule.
- B. Submittal Schedule for Shop Drawings, Product Data and Samples. Show:
 - 1. The dates for Contractor's submittal.
 - 2. The dates approved submittal will be required from the Engineer.

1.04 PROGRESS REVISIONS

- A. Indicate progress of each activity to date of submission.
- B. Show changes occurring since previous submission of schedule:
 - 1. Major changes in scope.
 - 2. Activities modified since previous submission.
 - 3. Revised projections of progress and completion.
 - 4. Other identifiable changes.
- C. Provide a narrative report as needed to define:
 - 1. Problem areas, anticipated delays, and the impact on the schedule.
 - 2. Corrective action recommended, and its effect.

1.05 SUBMISSIONS

- A. Submit initial schedules in accordance with the General Conditions.
 - 1. Engineer will review schedules and return review copy within ten (10) days after receipt.
 - 2. If required, Contractor shall resubmit within seven (7) days after return of review copy.
- B. Submit revised progress schedules with each Application for Payment.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01340

SHOP DRAWINGS, PROJECT DATA, AND SAMPLES

PART 1 GENERAL

1.01 Requirements Included:

- A. The Contractor shall submit to the Engineer for review and exception, if any, such working drawings, shop drawings, test reports and data on materials and equipment (hereinafter in this article called data), and material samples (hereinafter in this article called samples) as are required for the proper control of work, including but not limited to those working drawings, shop drawings, data and samples for materials and equipment specified elsewhere in the Specifications and in the Contract Drawings.
- B. Within fifteen (15) calendar days after the Effective Date of the Agreement, the Contractor shall submit to the Engineer a complete list of preliminary data on items for which Shop Drawings are to be submitted. Included in this list shall be the names of all proposed manufacturers furnishing specified items. Review of this list by the Engineer shall in no way relieve the Contractor from submitting complete shop drawings, data, and samples in accordance with the Specifications. This procedure is required in order to expedite final review of Shop Drawings.
- C. The Contractor is to maintain an accurate updated submittal log and will bring this log to each scheduled progress meeting. This log should include the following items:
 - 1. Submittal Description and Number assigned.
 - 2. Date to Engineer.
 - 3. Date returned to Contractor (from Engineer).
 - 4. Status of Submittal (No exceptions taken, returned for confirmation or resubmittal, rejected).
 - 5. Date of Resubmittal and Return (as applicable).
 - 6. Date material released (for fabrication).
 - 7. Projected date of fabrication.
 - 8. Projected date of delivery to site.
 - 9. Status of O&M manuals submittal.

1.02 Contractor's Responsibility

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- A. It is the duty of the Contractor to check all drawings, data and samples prepared by or for him before submitting them to the Engineer for review. Each and every copy of the Drawings and data shall bear Contractor's stamp showing that they have been so checked. Shop drawings submitted to the Engineer without the Contractor's stamp or evidence that the Contractor has not performed the required review will be returned to the Contractor for conformance with this requirement. Shop drawings shall indicate any deviations in the submittal from requirements of the Contract Documents.
- B. Determine and verify:
1. Field measurements.
 2. Field construction criteria.
 3. Catalog numbers and similar data.
 4. Conformance with Specifications and indicate all variances from the Specifications.
- C. The Contractor shall furnish the Engineer a schedule of Shop Drawing submittals fixing the respective dates for the submission of shop and working drawings, the beginning of manufacture, testing and installation of materials, supplies and equipment. This schedule shall indicate those that are critical to the progress schedule.
- D. The Contractor shall not begin any of the work covered by a drawing, data, or a sample returned for correction until a revision or correction thereof has been reviewed and returned to him by the Engineer with no exceptions taken.
- E. The Contractor shall submit to the Engineer all drawings and schedules sufficiently in advance of construction requirements to provide no less than twenty-one (21) calendar days for checking and appropriate action from the time the Engineer receives them.
- F. The Contractor shall submit five (5) copies of shop drawings and descriptive or product data submittal to complement shop drawings to the Engineer which will be retained for his use.
- G. The Contractor shall be responsible for and bear all cost of damages which may result from the ordering of any material or from proceeding with any part of work prior to the completion of the review by Engineer of the necessary shop drawings.
- H. The Contractor shall utilize a Sequential Numbering System for submittals (1-999). Resubmittals or confirming material shall be assigned a letter next to the submittal number, i.e. A= second submittal, B= third submittal, etc.
- I. Submittals shall include a certified statement of compliance to the requirements detailed in the specifications in addition to other submittal requirements. This certification shall be prepared by the manufacturer and not the local supplier. Validity of the authority and position of the person signing the certification shall be verified by a Notary Public. The statement of compliance shall address each point of conformance contained in the governing specifications with definite comments of either compliance or non-compliance. Statements of non-compliance with points of conformance shall be accompanied by a statement of

justification as to the reason for non-conformance and why the non-complying feature is considered to be either equal to or better than the specified feature. The Engineer will use the certified statement of compliance in his evaluation of the submittal rendering a judgment as to equality to the specified product and issuing a statement as to whether the product is acceptable for or rejected from incorporation into the work.

- J. When a manufacturer named in the controlling specification is chosen to supply a product and the details of manufacture, size, and installation are shown on this standard catalog cut sheets, the manufacturer may submit the certified statement of compliance as detailed above along with installation details specific to the work such as laying schedules, etc. as required, deleting the standardized catalog data.

1.03 Engineer's Review of Shop Drawings

- A. The Engineer's review of drawings, data and samples submitted by the Contractor will cover only general conformity to the Specifications, external connections, and dimensions which affect the installation.
- B. The review of drawings and schedules will be general, and shall not be construed:
1. as permitting any departure from the Contract requirements;
 2. as relieving the Contractor of responsibility for any errors, including details, dimensions, omissions and materials;
- C. If the drawings or schedules as submitted describe variations per subparagraph (1.04.D), and show a departure from the Contract requirements which Engineer finds to be in the best interest of the Owner and to be so minor as not to involve a change in Contract Price or Time, The Engineer may return the reviewed Drawings without noting any exception.
- D. After the ENGINEER completes his review, the Shop Drawings will be marked with one of the following notations:
1. No Exceptions Taken.
 2. Make Corrections Noted.
 3. Revise and Resubmit.
 4. Rejected.
 5. Submit Specified Item.
- E. If a submittal is acceptable, it will be marked "No Exception Taken" or "Make Corrections Noted". Three copies of the submittal will be returned to the CONTRACTOR.
- F. Upon return of a submittal marked "No Exception Taken" or "Make Corrections Noted", the CONTRACTOR may order, ship or fabricate the materials included on the submittal, provided it is in accordance with the corrections indicated.
- G. If a Shop Drawing action is "Make Corrections Noted" but has extensive corrections or corrections affecting other drawings or Work, the ENGINEER may require that the CONTRACTOR make the corrections indicated thereon and resubmit the Shop Drawings for

record purposes. In this case, the submittal will be marked "Make Corrections Noted-Resubmit".

- H. If a submittal is unacceptable, two copies will be returned to the CONTRACTOR with one of the following notations:
 - 1. "Revise and Resubmit"
 - 2. "Rejected"
- I. Upon return of a submittal marked "Revise and Resubmit", the CONTRACTOR shall make the corrections indicated and repeat the initial approval procedure. The "Rejected" notation is used to indicate material or equipment that is not acceptable. Upon return of a submittal so marked, the CONTRACTOR shall repeat the initial approval procedure utilizing acceptable material or equipment.
- J. Submittals lacking adequate details or information to allow the ENGINEER to determine whether or not the submittal meets the intent of the Contract specifications shall be marked "Submit Specified Item" and returned without further comment.
- K. Shop Drawings or other submittals not bearing the ENGINEER'S "No Exception Taken" or "Make Corrections Noted" notations shall not be issued to Subcontractors nor utilized for construction purposes. No Work shall be performed or equipment installed without a drawing or submittal bearing one of these notations.
- L. In the event the CONTRACTOR obtains the ENGINEER'S approval for the use of equipment other than that which is shown or specified, the CONTRACTOR shall, at his own expense and using methods approved by the ENGINEER, make all changes to the Work, including structures, piping, electrical, equipment and controls, that may be necessary to accommodate this equipment.
- M. Resubmittals will be handled in the same manner as first submittals. The Contractor shall direct specific attention to revisions other than the corrections requested by the Engineer on previous submissions by written details or markings on the resubmitted Shop Drawings. The Contractor shall make any corrections required by the Engineer.
- N. If the Contractor considers any correction indicated on the Drawings to constitute a change to the Contract Drawings or Specifications, the Contractor shall give written notice thereof to the Engineer.
- O. The Engineer will review a submittal/resubmittal a maximum of three times after which cost of review will be borne by the Contractor. The cost of engineering shall be equal to the Engineer's charges to the Owner under the terms of the Engineer's agreement with the Owner.
- P. When the Shop Drawings have been completed to the satisfaction of the Engineer, the Contractor shall carry out the construction in accordance therewith and shall make no further changes therein except upon written instructions or approval from the Engineer.

Q. No partial submittals will be reviewed. Submittals not complete will be returned to the Contractor, and will be considered "NOT APPROVED" until resubmitted.

1.13 SHOP DRAWINGS

- A. Shop drawings shall be complete and detailed.
- B. Drawings and schedules shall be checked and coordinated with the work of all trades involved, before they are submitted for review by the Engineer and shall bear the Contractor's stamp of approval as evidence of such checking and coordination. Drawings or schedules submitted without this stamp of approval shall be returned to the Contractor for resubmission.
- C. Each shop drawing shall have a blank area 3-1/2 inches by 3-1/2 inches, located adjacent to the title block. The title block shall display the following:
 - 1. Number and title of the drawing.
 - 2. Date of drawing or revision.
 - 3. Name of project building or facility.
 - 4. Name of contractor and subcontractor submitting drawing.
 - 5. Clear identification of contents and location of the work.
 - 6. Specification number and title.
- D. If Drawings show variations from Contract requirements because of standard Shop practice or other reasons, the Contractor shall describe such variations in his letter of transmittal. If acceptable, proper adjustment in the Contract shall be implemented where appropriate. If the Contractor fails to describe such variations, he shall not be relieved of the responsibility for executing the work in accordance with the Contract, even though such Drawings have been reviewed.
- E. Data on materials and equipment include, without limitation, materials and equipment lists, catalog data sheets, cuts, performance curves, diagrams, materials of construction and similar descriptive material as required. Materials and equipment lists shall give for each item thereon the name and location of the supplier or manufacturer, trade name, catalog reference, size, finish, and all other pertinent data.
- F. The Contractor shall provide a list including the equipment name, address, and telephone number of the manufacturer's representative and service company so that service and/or spare parts can be readily obtained for all mechanical and electrical equipment furnished.
- G. All manufacturers or equipment suppliers who proposed to furnish equipment or products shall submit an installation list to the Engineer along with the required Shop Drawings. The

installation list shall include at least five installations where identical equipment has been installed and has been in operation for a period of at least one (1) year.

- H. Only the Engineer will utilize the color red in marking Shop Drawing submittals.
- I. Before final payment is made, the Contractor shall furnish to Engineer five (5) sets of record shop drawings all clearly revised, complete and up to date showing the permanent construction as actually made for all reinforcing and structural steel, miscellaneous metals, process and mechanical equipment, yard piping, electrical system and instrumentation system.

1.13 Working Drawings

- A. Working drawings shall be considered to mean the Contractor's plans for temporary structures.
- B. Copies of working drawings as noted in subparagraph 1.02, shall be submitted to the Engineer where required by the Contract Documents or requested by the Engineer, and shall be submitted at least thirty (30) calendar days (unless otherwise specified by the Engineer) in advance of their being required for work.
- C. The Engineer will not review working drawings but shall use them as information to monitor the work performed by the Contractor.

1.14 Samples

- A. The Contractor shall furnish for the review of the Engineer samples required by the Contract Documents or requested by the Engineer. Samples shall be delivered to the Engineer as specified or directed and the Contractor shall prepay all shipping charges. Materials or equipment for which samples are required shall not be used in work until reviewed by the Engineer.
- B. Samples shall be of sufficient size and quantity to clearly illustrate:
 - 1. Functional characteristics of the product, with integrally related parts and attachment devices.
 - 2. Name of Contractor and Subcontractor
 - 3. Material or Equipment represented
 - 4. Place of Origin
 - 5. Name of Producer and Brand (if any).
 - 6. Location in Project

(Samples of finished materials shall have additional marking that will identify them under the finished schedules.)

- C. The Contractor shall prepare a transmittal letter in triplicate for each shipment of samples containing the information required in subparagraph 1.06B above. He shall enclose a copy of this letter with the shipment and send a copy of this letter to the Engineer under separate cover and the remaining copy shall be for the Contractor's records. Review of a sample shall be only for the characteristics or use named and shall not be construed to change or modify any Contract requirements.
- D. Reviewed samples not destroyed in testing shall be sent to the Engineer or stored at the site of the work. Reviewed samples of the hardware in good condition will be marked for identification and may be used in the work. Materials and equipment incorporated in work shall match the reviewed samples. Samples which failed testing or were rejected will be returned to the Contractor at his expense, if so requested at time of submission.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01410

TESTING LABORATORY SERVICES

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Contractor will employ and pay for the services of an Independent Testing Laboratory to perform testing specifically indicated on the Contract Documents or specified in the Specifications and may at any other time elect to have materials and equipment tested for conformity with the Contract Documents.

- A. Employment of the laboratory shall in no way relieve Contractor's obligations to perform the Work of the Contract.

1.02 LIMITATIONS OF AUTHORITY OF TESTING LABORATORY

Laboratory is not authorized to:

- A. Release, revoke, alter or enlarge on requirements of Contract Documents.
- B. Approve or accept any portion of the Work.
- C. Perform any duties of the Contractor.

1.03 CONTRACTOR'S RESPONSIBILITIES

- A. Cooperate with laboratory personnel; provide access to Work, to Manufacturer's operations.
- B. Secure and deliver to the laboratory adequate quantities of representational samples of materials proposed to be used and which require testing.
- C. Provide to the laboratory the preliminary design mix proposed to be used for concrete, and other materials mixes which require control by the testing laboratory.
- D. Materials and equipment used in the performance of work under this Contract are subject to inspection and testing at the point of manufacture or fabrication. Standard specifications for quality and workmanship are indicated in the Contract Documents. The Owner may require the Contractor to provide statements or certificates from the manufacturers and fabricators that the materials and equipment provided by them are manufactured or fabricated in full accordance with the standard specifications for quality and workmanship indicated in the Contract Documents. All costs of this testing and providing statements and certificates shall be a subsidiary obligation of the Contractor, and no extra charge to the Owner shall be allowed on account of such testing and certification.
- E. Furnish incidental labor and facilities:
 - 1. To provide access to Work to be tested.

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- 2 To obtain and handle samples at the Project site or at the source of the product to be tested.
 3. To facilitate inspections and tests.
 4. For storage and curing of test samples.
- F. Notify laboratory at least 24 hours in advance of operations to allow for laboratory assignment of personnel and scheduling of tests.
- G. Employ and pay for the services of the same or a separate, equally qualified independent testing laboratory to perform additional inspections, sampling and testing required for the Contractor's convenience and as approved by the Owner.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01600

MATERIAL AND EQUIPMENT

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Material and equipment incorporated into the Work shall:

- A. Conform to applicable specifications and standards.
- B. Comply with size, make, type, and quality specified to the greatest extent possible, detailing all aspects and providing explicit reasons for parameters not in compliance and specifically approved in writing by the Engineer.
- C. Manufactured and Fabricated Products:
 - 1. Design, fabricate, and assemble in accord with the best engineering and standard shop practices.
 - 2. Manufacture like parts of duplicate units to standard sizes and gauges, to be interchangeable.
 - 3. Two or more items of the same kind shall be produced, by the same manufacturer.
 - 4. Products shall be suitable for service conditions.
 - 5. Equipment capacities, sizes and dimensions shown or specified shall be adhered to unless variations are specifically approved in writing.
- D. Do not use material or equipment for any purpose other than that for which it is designed or is specified.

1.02 APPROVAL OF MATERIALS

- A. Only new materials and equipment shall be incorporated in the Work. All materials and equipment furnished by the Contractor shall be subject to the inspection and approval of the Engineer. No material shall be delivered to the Work without prior approval of the Engineer.
- B. The Contractor shall submit to the Engineer, data relating to materials and equipment he proposes to furnish for the work. Such data shall be in sufficient detail to enable the Engineer to identify the particular product along with references to the applicable section(s) of the specifications to form an opinion as to its conformity to the specifications. The data shall comply with Paragraph 1.06 of this Section.
- C. Facilities and labor for handling and inspection of all materials and equipment shall be furnished by the Contractor. If the Engineer requires, the Contractor shall submit samples of materials for such special tests as may be necessary to demonstrate that they conform to the

specifications. Such samples shall be furnished, stored, packed, and shipped as directed at the Contractor's expense. Except as otherwise noted, the Contractor will make arrangements for and pay for the tests. Where such tests confirm compliance with the specifications, the Owner will reimburse the actual charges of the testing firm paid by the Contractor.

- D. Contractor shall submit data and samples sufficiently early to permit consideration, approval, manufacture, and delivery of materials before they are necessary for incorporation in the work. Any delay of approval resulting from the Contractor's failure to submit samples or data promptly shall not be used as a basis of claim against the Owner or the Engineer.
- E. The materials and equipment used in the Work shall correspond to the approved samples or other data.

1.03 MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION

- A. When Contract Documents require that installation of the Work shall comply with manufacturer's printed instructions, obtain and distribute copies of such instructions to parties involved in the installation, including five copies to the Engineer. One complete set of the installation instructions shall be available for use on the job site during and through completion of the Work.
- B. Handle, install, connect, clean, condition and adjust products as required by the manufacturer's instructions and in conformity with specified requirements.
 - 1. Should the specified requirements conflict with the manufacturer's instructions, the manufacturer's instructions shall have priority unless changes are authorized in writing by the manufacturer.
 - 2. Should job conditions conflict with the manufacturer's instructions, consult with the manufacturer for clarification.
 - 3. Clarifications of installation instructions shall be issued only by the manufacturer, shall be in writing, and shall be distributed to all parties involved in the installation as stated above and prior to alteration of the installation procedures.
 - 4. Do not proceed with the Work without clear instructions concerning the specific installation procedures.
- C. Do not omit any preparatory step or installation procedure unless specifically modified or exempted by the manufacturer.

1.04 TRANSPORTATION AND HANDLING

- A. Arrange deliveries of Products as required by the currently approved construction schedule coordinating each delivery to avoid conflict with other work and conditions at the site.
 - 1. Deliver Products in a undamaged condition, in the manufacturer's original containers or packaging and with identifying labels intact and legible.
 - 2. Prior to accepting delivery, inspect shipments to assure compliance with approved submittal, and that the Products have been properly protected and are undamaged.
- B. Provide equipment and personnel to handle Products preventing soiling or damage to the Products or their protective packaging.

1.05 STORAGE AND PROTECTION

- A. Store Products in accord with manufacturer's instruction, with seals and labels intact and legible.
 - 1. Store products subject to damage by the elements in weathertight enclosures.
 - 2. Maintain temperature and humidity within the ranges required by manufacturer's instructions.
 - 3. Store fabricated products above the ground, on blocking or skids, prevent spoiling, staining or corrosion. Cover products which are subject to deterioration with impervious sheet coverings and provide adequate ventilation to avoid condensation.
 - 4. Store loose granular materials in a well-drained area on solid surfaces to prevent mixing with foreign matter.
- B. All materials and equipment to be incorporated in the Work shall be handled and stored in a manner to prevent warping, twisting, bending, breaking, chipping, rusting, and other injury, theft or damage.
- C. Cement and lime shall be stored under a roof and off the ground and shall be kept completely dry at all times. All miscellaneous steel, structural steel and reinforcing steel shall be stored off the ground, kept free of accumulations of dirt and grease, and in areas free of standing water to minimize rusting. Precast concrete sections shall be handled and stored in a manner to prevent staining, chipping or cracking. Brick, block and similar masonry products shall be handled and stored in a manner to reduce staining, breaking, chipping, cracking, and spalling.
- D. All materials which, in the opinion of the Engineer, have become so damaged as to be unfit for the use intended, including aesthetics, shall be promptly removed from the site of the work.
- E. Arrange storage in a manner to provide easy access for inspection. Make periodic inspections and exercise or rotate moving parts of stored products as required by the

manufacturer to assure that products are maintained under specified conditions and free from damage or deterioration.

- F. Provide substantial coverings as necessary to protect installed products from damage caused by traffic and subsequent construction operations. Remove the protective covering when no longer needed.
- G. The Contractor shall be responsible for all material, equipment, and supplies sold and delivered to the Owner under this Contract until final inspection of the Work and acceptance thereof by the Owner. In the event any such material, equipment, and supplies are lost, stolen, damaged, or destroyed prior to final inspection and acceptance they shall be replaced by the Contractor.
- H. Should the Contractor fail to take proper action to properly store and handle equipment supplied under this Contract, the Owner retains the right to notify the Contractor in writing of the deficiencies, to correct all deficiencies and deduct the cost associated with these corrections from the contractor's Contract. These costs may be comprised of expenditures for labor, equipment usage, administration, clerical, engineering and any other costs associated with making the necessary corrections.

1.06 SUBSTITUTIONS AND PRODUCT OPTIONS

A. Products List:

Within fifteen (15) days after the Notice to Proceed, submit to the Engineer complete list of major products proposed to be used, with the name of the manufacturer and the installing subcontractor.

B. Contractor's Options:

- 1. For Products specified only by reference standard, select any product meeting that standard.
- 2. For Products specified by naming one or more Products or manufacturers and "or equal", Contractor must submit a request as for substitutions for any Product or manufacturer not specifically named.

C. Substitutions:

- 1. For a period of thirty (30) days after the Effective Date of the Agreement, the Engineer will consider written requests from Contractor for substitution of Products.

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2. Submit a separate request for each Product, supported with complete data, with drawings and samples as appropriate, including:
 - a. Comparison of the qualities of the proposed substitution with that specified.
 - b. Changes required in other elements of the work because of the substitution.
 - c. Effect on the construction schedule.
 - d. Cost data comparing the proposed substitution with the Product specified.
 - e. Any required license fees or royalties.
 - f. Availability of maintenance service, and source of replacement materials.
 3. The Engineer shall be the judge of the acceptability of the proposed substitution.

D. Contractor's Representation:

A request for a substitution constitutes a representation that Contractor:

1. Has investigated the proposed Product and determined that it is equal to or superior in all respects to that specified.
2. Will provide the same warranties or bonds for the substitution as for the Product specified.
3. Will coordinate the installation of an accepted substitution into the Work, and make such other changes as may be required to make the Work complete in all respects.
4. Waives all claims for additional costs, under his responsibility, which may subsequently become apparent.

1.07 SPECIAL TOOLS

Manufacturers of equipment and machinery shall furnish any special tools required for normal adjustment, operations and maintenance, together with instructions for their use. The Contractor shall preserve and deliver to the Owner these tools and instructions in good order no later than upon completion of the Contract.

1.08 WARRANTY

For all major pieces of equipment, submit a warranty from the equipment manufacturer. The manufacturer's warranty period shall be concurrent with the Contractor's as stipulated in the specifications for each piece of equipment.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01630

SUBSTITUTIONS

PART 1 GENERAL

1.01 General

Requests for review of a substitution shall conform to the requirements of Article 6.05 of the General Conditions and shall contain complete data substantiating compliance of proposed substitution with Contract Documents.

1.02 Substitutions

- A. During a period of 60 days after execution of Contract, ENGINEER will consider written requests from CONTRACTOR for substitution of products or construction methods (if specified).
 - 1. After end of specified period, requests will be considered only in case of unavailability of products or other conditions beyond control of CONTRACTOR.
 - 2. If the CONTRACTOR proposes to use products other than named manufacturers in the technical Specification, the ENGINEER reserves the right to require the CONTRACTOR to submit information within the first 30 days after the NOTICE TO PROCEED verifying that the proposed equipment will comply with the Specifications.
- B. Requests for review of a substitution shall conform to the requirements of Article 6.05 of the General Conditions, and shall contain complete data substantiating compliance of proposed substitution with the Contract Documents.
- C. In making request for substitution, CONTRACTOR represents:
 - 1. CONTRACTOR has investigated proposed product or method, and determined that it is equal or superior in all respects to that specified.
 - 2. CONTRACTOR will provide the same or better warranties or bonds for proposed substitution as for product or method specified.
 - 3. CONTRACTOR waives all claims for additional costs or extension of time related to proposed substitution that subsequently may become apparent.
- D. Proposed substitutions will not be accepted if:
 - 1. They are only shown or implied on the Shop Drawings.
 - 2. Acceptance will require substantial revision of Contract Documents.
 - 3. They will change design concepts or Specifications.
 - 4. They will delay completion of the Work, or the work of other contractors.
- E. The ENGINEER will determine whether substitute brands or products are equal to those specified in the Contract Documents. No substitute will be ordered or installed without the ENGINEER'S prior written acceptance.
- F. The OWNER may require CONTRACTOR to furnish at CONTRACTOR'S expense a

special performance guarantee or other surety with respect to any substitute.

- G. If the ENGINEER determines that a proposed substitute is not equal to that specified or described in the Drawings or Specifications, CONTRACTOR shall furnish one of the brands or products specified or described, at no additional cost to the OWNER.
- H. Engineering Costs:
1. The ENGINEER will record all time required in evaluating substitutions proposed by CONTRACTOR and in making any change in the Drawings or Specifications occasioned thereby. Whether or not the ENGINEER accepts a proposed substitute CONTRACTOR will reimburse the OWNER for the actual cost of the ENGINEER for evaluating any proposed substitute which either does not meet the requirements of the Drawings and Specifications, or the acceptance of which would require changes to other portions of the Work.
 2. CONTRACTOR shall reimburse OWNER for all associated engineering costs, including redesign, additional shop drawing reviews, investigations, consultant fees and revision of the Contract Documents required because of the substitution.
- I. The time required by the ENGINEER to evaluate and either accept or reject proposed substitutes is included in the Contract Time and no extension of the Contract Time shall be allowed therefore.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01710

CLEANING

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Cleaning shall include daily "policing" of the work and surrounding areas to clear general debris waste paper, wood scraps, broken concrete, loose riprap, and other objectionable material along with the final cleanup of site(s) required for project acceptance. **DAILY CLEANUP IS REQUIRED.**

1.02 DISPOSAL REQUIREMENTS

Conduct cleaning and disposal operations to comply with codes, ordinances, regulations, and anti-pollution laws.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 DURING CONSTRUCTION

- A. Execute daily cleaning to keep the Work, the site and adjacent properties, free from accumulations of waste materials, rubbish and windblown debris, resulting from construction operations.
- B. Provide onsite containers for the collection of waste materials, debris and rubbish. All waste materials including containers, food debris and other miscellaneous materials must be disposed of daily in onsite containers.
- C. Remove waste materials, debris and rubbish from the site periodically and dispose of at legal disposal areas away from the site.

3.02 FINAL CLEANING

- A. Employ skilled workmen for final cleaning.
- B. Remove grease, mastic, adhesives, dust, dirt, stains, fingerprints, labels, and other foreign materials from sight-exposed interior and exterior surfaces.
- C. Broom clean exterior paved surfaces; rake clean other surfaces of the grounds.
- D. Prior to final completion or Owner occupancy, Contractor shall conduct an inspection of sight-exposed interior and exterior surfaces and all work areas to verify that the entire Work is clean.

*** * END OF SECTION * ***

SECTION 01720
PROJECT RECORD DOCUMENTS

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Maintain at the site for the Owner one record copy of:

- A. Conformed Drawings.
- B. Conformed Specifications.
- C. Change Orders and other Modifications to the Contract.
- D. Engineer's Field Orders or written instructions.
- E. Approved Shop Drawings, Working Drawings and Samples.
- F. Field Test records.
- G. Construction photographs.
- H. Latest, Approved Progress Schedule.

1.02 MAINTENANCE OF DOCUMENTS AND SAMPLES

- A. Store documents and samples in a manner and location to prevent damage.
 - 1. Provide files and racks for storage of documents.
 - 2. Provide secure storage space for storage of samples.
- B. File documents and samples in accordance with CSI section numbers.
- C. Maintain documents in a clean, dry, legible, condition and in good order. Do not use record documents for construction purposes.
- D. Make documents and samples available at all times for inspection by the Owner.
- E. As a prerequisite for monthly progress payments, the Contractor is to exhibit the currently updated "record documents" for review by the Owner.

1.03 MARKING DEVICES

Provide felt tip marking pens for recording information in the color code designated by the Owner.

1.04 RECORDING

- A. Label each document "PROJECT RECORD" with rubber stamp.
- B. Record information concurrently with construction progress and do not conceal any work until required information is recorded.
- C. Legibly mark drawings to record actual construction:
 - 1. The Contractor shall use the following color code in marking Contract Drawings:
 - a. Yellow for no change.
 - b. Red to indicate additions, deletions and changes.
 - 2. Elevations of various structure elements in relation to elevation datum.
 - a. Elevations referenced to control points established by the Owner's agent.
 - b. Specifically, elevations of drainage culvert inverts, ditch grades, top of roadway and driveway curbs, bridges, etc.
 - 3. Location of internal utilities and appurtenances concealed in the construction by referencing to visible and accessible features of the structure.
 - 4. Field changes of dimension and detail.
 - 5. Changes made by Field Order or by Change Order.
 - 6. Details not on original contract drawings.
- D. Specifications and Addenda; Legibly mark each Section to record:
 - 1. Manufacturer, trade name, catalog number, and Supplier of each Product and item of equipment actually installed.
 - 2. Changes made by Field Order or by Change Order.
- E. Shop Drawings (after final review):

-
- F. Certified site survey and line elevations and stationing at 100 foot increments and all points of change of direction of channel improvements (Section 01050) by a registered land surveyor.

1.05 SUBMITTAL

- A. At Contract close-out, deliver Record Documents to the Owner.
- B. Accompany submittal with transmittal letter in duplicate, containing:
1. Date.
 2. Project title and number.
 3. Contractor's name and address.
 4. Title and number of each Record Document.
 5. Signature of Contractor or his authorized representative.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION(NOT USED)

*** * END OF SECTION * ***

SECTION 01740

WARRANTIES AND BONDS

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Compile specified warranties and bonds, as in Articles 5 and 13 of the General Conditions.
- B. Co-execute submittals when so specified.
- C. Review submittals to verify compliance with Contract Documents.
- D. Submit to the Owner for review.

1.02 SUBMITTAL REQUIREMENTS

- A. Assemble and include warranties, bonds and service and maintenance contracts, executed by each of the respective manufacturers, couplers, and subcontractors including effective dates.
- B. Number of original signed copies required. Two (2) each.
- C. Table of Contents. Neatly typed in orderly sequence. Provide complete information for each item.
 - 1. Product or work item.
 - 2. Firm, with name of principal, address and telephone number.
 - 3. Scope.
 - 4. Date of beginning warranty, and bond.
 - 5. Duration of warranty.
 - 6. Provide information for Owner's personnel:
 - a. Proper procedure in case of failure.
 - b. Instances which might affect the validity of warranty or bond.
 - 7. Contractor, name of responsible principal, address and telephone number.

1.04 FORM OF SUBMITTALS

- A. Prepare in duplicate packets.
- B. Format:
 - 1. Size 8-1/2-inches x 11-inches, punch sheets for standard 3-post binder.
 - 2. Cover: Identify each packet with typed or printed title "WARRANTIES AND BONDS." List:
 - a. Title of Project.
 - b. Name of Contractor.
- C. Binders: Commercial quality, three-post binder, with durable and cleanable plastic covers and maximum post width of 2-inches, "D" ring.

1.05 WARRANTY SUBMITTAL REQUIREMENTS

- A. For all components of the work, unless stated otherwise in the specifications for each individual item of equipment, submit a written warranty from the manufacturer to replace promptly any component thereof which, in the sole opinion of the Engineer, has defects in design, workmanship, materials, or performance within a one (1) year period following the date of acceptance for operation (Substantial Completion) by the Owner. The manufacturer's warranty period shall be concurrent with the Contractor's for one (1) year, unless otherwise specified, commencing at the time of acceptance for operation (beneficial use) by the Owner and shall be read in conjunction with the Contractor's warranty which shall operate together to provide for replacement of defective components and restoration of proper operation. The Contractor shall be solely responsible for both warranties.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

ADVERTISEMENT FOR BIDS
SULLIVAN PARK PAVILION
CITY OF HATTIESBURG, MISSISSIPPI

Sealed bids will be received by the City of Hattiesburg, at the City Clerk's office, Mississippi, hereafter referred to as Owner, located at 200 Forrest Street, Hattiesburg, Mississippi, 39401, until 10:00 A.M., Local Time, Thursday, January 25, 2018 for supplying all labor, equipment, and materials (as specified) necessary for the construction of the above referenced project. Work consists of constructing a pavilion at Sullivan Park.

The above general outline of features of the work does not in any way limit the responsibility of the Contractor to perform all work and furnish all labor, equipment and materials required by the specifications and the drawings referred to therein.

Bidder must be qualified under Mississippi Law and show current Certificate of Responsibility issued by the Mississippi State Board of Public Contractors establishing his classification as to the value and type of construction on which he is authorized to bid.

Each Bidder shall write his Certificate of Responsibility Number on the outside of the sealed envelope containing his proposal.

Proposals shall be submitted in duplicate, sealed and deposited with the Owner prior to the hour and date hereinbefore designated. No bidder may withdraw his bid within 90 days after the actual date of the opening thereof.

Awarding public contracts to non-resident Bidders will be on the same basis as the non-resident bidder's state awards contracts to Mississippi Contractors bidding under similar circumstances. In order to ensure that Mississippi's so-called Golden Rule is followed state law requires a non-resident bidder is to attach to his bid a copy of his resident state's current laws pertaining to such state's treatment of non-resident contractors.

Each Bidder must deposit with his proposal, a Bid Bond or Certified Check in an amount equal to five percent of his bid, payable to the Owner, as bid security. Bidders shall also submit a current financial statement, if requested, by the Owner. The successful bidder will be required to furnish a Payment Bond and Performance Bond each in the amount of 100 percent of the contract amount.

Bid documents are being made available via paper copy. Plan holders are required to log-in or register for an account at www.neel-schafferplans.com to view and order Bid Documents. All plan holders are required to have a valid email address for registration. Bid documents are non-refundable and must be purchased through the website. Questions regarding website registration and online orders please contact Plan House Printing at (601) 336-6378.

"Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition" as referred to herein, may be purchased from the Mississippi Department of Transportation.

The Owner hereby notifies all Bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged and women's business enterprises will be afforded the full

opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

The Engineer is Neel-Schaffer, Inc., 704 Hardy Street, Hattiesburg, Mississippi 39401; Phone No. (601) 545-1565, Fax No. (601)-545-2267. Geoffrey P. Crosby, P.E. – Senior Project Manager.

The Owner reserves the right to reject any and all bids and to waive any informalities or irregularities therein.

BY: _____
City Clerk
City of Hattiesburg, Mississippi

DATES OF PUBLICATION:

December 27, 2017

January 3, 2018



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-909

File ID: 2017-909

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Deborah Bourne

File Created: 12/11/2017

Brief Title: Approve the sale of grave spaces, per attached receipts and memo's

Final Action:

Minute Book Number: MB2017-487

Title:

Approve the sale of grave spaces per attached receipts and memos.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: VI.-8

Sponsors:

Enactment Date:

Attachments: Memos (12-19-17), Receipts (12-19-17), Deeds (12-19-17), executed Deeds (12-19-17)

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017					

Text of Legislative File 2017-909

Title

Approve the sale of grave spaces per attached receipts and memos.

Summary

Approve the sale of grave spaces.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

To: CITY COUNCIL

From: Deborah Bourne, Assistant Division Manager of Cemeteries

Date: November 29, 2017

The following represents the grave spaces sold on November 29, 2017

Carmen Moore

(2) Spaces \$ 350.00

Southeast Quarter (SE1/4)

Lot 133, Section 21, Highland Cemetery

Glenn Montgomery, Jr

(1) Space \$ 150.00

South Half (S1/2) of the Northeast Quarter (NE1/4)

Lot 80, Section 2, South Hill Cemetery

To: CITY COUNCIL

From: Deborah Bourne, Assistant Division Manager of Cemeteries

Date: December 4, 2017

The following represents the grave spaces sold on December 4, 2017

Dr. Clemon Terrell

(1) Space \$ 175.00

South Half (S1/2) of the Southwest Quarter (SW1/4)

Lot 49, Section 35, Highland Cemetery

Nancy Bolton

(1) Space \$ 175.00

South Half (S1/2) of the Southwest Quarter (SW1/4)

Lot 37, Section 34, Highland Cemetery

To: CITY COUNCIL

From: Deborah Bourne, Assistant Division Manager of Cemeteries

Date: December 6, 2017

The following represents the grave spaces sold on December 6, 2017

James Edward Parker

(1) Space \$ 150.00

East Half (E1/2) of the Northwest Quarter (NW1/4)

Lot 106, Section 1, South Hill Cemetery

To: CITY COUNCIL

From: Deborah Bourne, Assistant Division Manager of Cemeteries

Date: December 7, 2017

The following represents the grave spaces sold on December 7, 2017

Janie Spinks

(1) Space \$ 175.00

South Half (S1/2) of the Southeast Quarter (SE1/4)

Lot 38, Section 28, Highland Cemetery

Frederico Zelaya

(1) Space \$ 175.00

South Half (S1/2) of the Northeast Quarter (NE1/4)

Lot 104, Section 25, Highland Cemetery

CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES

Hattiesburg, Miss., 11-27- 2017

SOLD TO:

Mr.. Mrs. Miss Glenn Montgomery, Jr

ADDRESS 3 Courtland Dr. Apt 9, Hattiesburg, ms 39402

desires to purchase the grave space described below, subject to Cemetery regulations.

S $\frac{1}{2}$ NE $\frac{1}{4}$ Lot No. 80 Section No. 2 in South Hill Cemetery

Number of grave spaces 1 Price per grave space \$ 150.⁰⁰

Price Received \$ 150.⁰⁰

cash

CITY OF HATTIESBURG, MISSISSIPPI

By Debrah Burre
Supt. of City Cemeteries

CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES

Hattiesburg, Miss., 11-27- 2017

SOLD TO:

Mr.. Mrs. Miss Carmen Moore

ADDRESS 102 Woodhaven Circle, Hattiesburg, ms 39402

desires to purchase the grave space described below, subject to Cemetery regulations.

- $\frac{1}{2}$ SE $\frac{1}{4}$ Lot No. 133 Section No. 21 in Highland Cemetery

Number of grave spaces 2 Price per grave space \$ 175.00

Price Received \$ 350.00

cash

CITY OF HATTIESBURG, MISSISSIPPI

By Debrah Burre
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 12/04/2017

SOLD TO:

Mr. Mrs. Miss

DR. Clemon Terrell

ADDRESS 4586 Hwy 49 S. Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

S 1/2 SW 1/4 Lot No. 49 Section No. 35 in Highland Cemetery

Number of grave spaces 1

Price per grave space \$

175.00

Price Received \$

175.00

CITY OF HATTIESBURG, MISSISSIPPI

By

Deborah Borne

Supt. of City Cemeteries

ck# 1445

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

SOLD TO:

Hattiesburg, Miss., 11-30-2017

Mr. Mrs. Miss

Nancy Bolton

ADDRESS

73 Copper Crk Hattiesburg, MS 39402

desires to purchase the grave space described below, subject to Cemetery regulations.

S 1/2 SW 1/4 Lot No. 37 Section No. 34 in Highland Cemetery

Number of grave spaces 1

Price per grave space \$

175.00

Price Received \$ 175.00

CITY OF HATTIESBURG, MISSISSIPPI

By

Nancy Bolton

Supt. of City Cemeteries

ck # 1133

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 12-04 2017

SOLD TO:

Mr. Mrs. Miss

James Edward Parler

ADDRESS

108 Crescent Drive Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

E $\frac{1}{2}$ NW Lot No. 106 Section No. 1 in South Hill Cemetery

Number of grave spaces

1 Price per grave space \$ 150.00

Price Received \$

150.00

cash

CITY OF HATTIESBURG, MISSISSIPPI

By

Opal G. Wilson

Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 12-06 2017

SOLD TO:

Mr.. Mrs. Miss Janie Spinks

ADDRESS 622 New Orleans St. Hattiesburg, MS

desires to purchase the grave space described below, subject to Cemetery regulations.

S SE 1/4 Lot No. 38 Section No. 28 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

cash

CITY OF HATTIESBURG, MISSISSIPPI

By Dan Belsor
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 12-06 2017

SOLD TO:

Mr.. Mrs. Miss Frederico Zetaya

ADDRESS 1258 Richburg Rd Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

S NE 1/4 Lot No. 104 Section No. 25 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

CK # 2218

CITY OF HATTIESBURG, MISSISSIPPI

By Dan Belsor
Supt. of City Cemeteries

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of THREE HUNDRED FIFTY AND NO/100 Dollars (\$350.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto, Carmen Moore, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Southeast Quarter (SE¹/₄)

Lot Number 133 Section Number 21

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

Two Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
SOUTH HILL CEMETERY**

For and in consideration of the sum of ONE HUNDRED FIFTY AND NO/100 Dollars (\$150.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Glenn Montgomery, Jr., subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S½) of the Northeast Quarter (NE¼)

Lot Number: 80

Section Number: 2

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as South Hill Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

CITY CLERK
(S E A L)

MAYOR

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kernas Eaton, Mayor and Deputy City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY-FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Dr. Clemon Terrell, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S½) of the Southwest Quarter (SW¼)

Lot 49

Section 35

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

CITY CLERK

MAYOR

(SEAL)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
SOUTH HILL CEMETERY**

For and in consideration of the sum of ONE HUNDRED FIFTY AND NO/100 Dollars (\$150.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto James Edward Parker, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

East Half (E½) of the Northwest Quarter (NW¼)

Lot Number: 106

Section Number: 1

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as South Hill Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

CITY CLERK
(SEAL)

MAYOR

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and Deputy City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY-FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Nancy Bolton, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S½) of the Southwest Quarter (SW¼)

Lot 37

Section 34

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY-FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Janie Spinks, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S½) of the Southeast Quarter (SE¼)

Lot 38

Section 28

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY-FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Frederico Zelaya, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S½) of the Northeast Quarter (NE¼)

Lot 104

Section 25

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of THREE HUNDRED FIFTY AND NO/100 Dollars (\$350.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto, Carmen Moore, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Southeast Quarter (SE¹/₄)

Lot Number 133 Section Number 21

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

Two Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

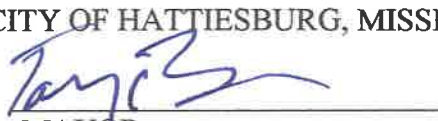
GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:


CITY CLERK

CITY OF HATTIESBURG, MISSISSIPPI


MAYOR

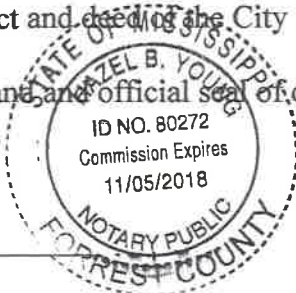
(S E A L)

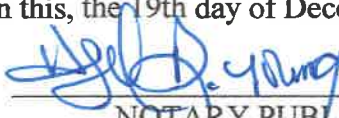
STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017

My Commission Expires:




NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
SOUTH HILL CEMETERY**

For and in consideration of the sum of ONE HUNDRED FIFTY AND NO/100 Dollars (\$150.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Glenn Montgomery, Jr., subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S½) of the Northeast Quarter (NE¼)

Lot Number: 80

Section Number: 2

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as South Hill Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:



CITY CLERK
(SEAL)

CITY OF HATTIESBURG, MISSISSIPPI



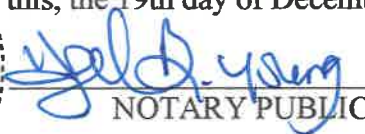
MAYOR

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and Deputy City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:


NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY-FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Dr. Clemon Terrell, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S½) of the Southwest Quarter (SW¼)

Lot 49

Section 35

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:


CITY CLERK

CITY OF HATTIESBURG, MISSISSIPPI


MAYOR

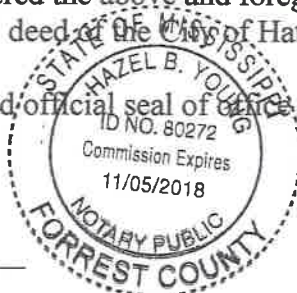
(S E A L)

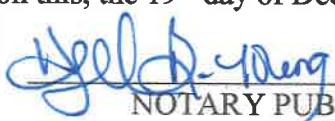
STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:




NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY-FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Nancy Bolton, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S½) of the Southwest Quarter (SW¼)

Lot 37

Section 34

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

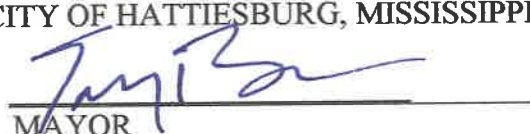
WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:



CITY CLERK

CITY OF HATTIESBURG, MISSISSIPPI



MAYOR

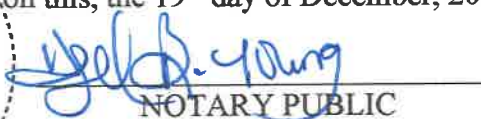
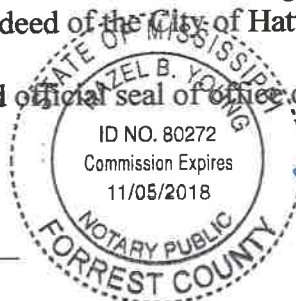
(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:



NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
SOUTH HILL CEMETERY**

For and in consideration of the sum of ONE HUNDRED FIFTY AND NO/100 Dollars (\$150.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto James Edward Parker, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

East Half (E½) of the Northwest Quarter (NW¼)

Lot Number: 106

Section Number: 1

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as South Hill Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:



CITY CLERK
(S E A L)

CITY OF HATTIESBURG, MISSISSIPPI



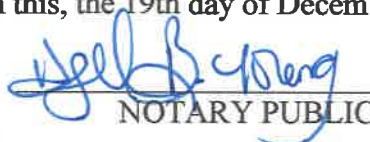
MAYOR

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and Deputy City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:


NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY-FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Janie Spinks, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S½) of the Southeast Quarter (SE¼)

Lot 38

Section 28

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

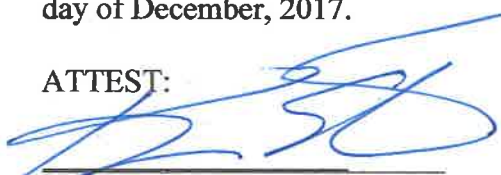
One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:


CITY CLERK

CITY OF HATTIESBURG, MISSISSIPPI


MAYOR

(S E A L)

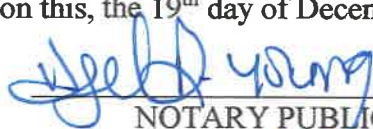
STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:




NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY-FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Frederico Zelaya, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S½) of the Northeast Quarter (NE¼)

Lot 104

Section 25

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 19th day of December, 2017.

ATTEST:


CITY CLERK

CITY OF HATTIESBURG, MISSISSIPPI

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally, appeared before me, the undersigned authority in and for said County and State, Toby Barker and Kermas Eaton, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 19th day of December, 2017.

My Commission Expires:




NOTARY PUBLIC



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-911

File ID: 2017-911

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 12/11/2017

Brief Title: Claims docket for the period ending 12-15-2017.

Final Action:

Minute Book Number: MB2017-487

Title:

Approve claims docket for the period ending December 15,2017.

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: VI.-9

Sponsors:

Enactment Date:

Attachments: DOCKET 17.12-15

Enactment Number:

Contact:

Meeting Date:

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	12/19/2017					

Text of Legislative File 2017-911

Title

Approve claims docket for the period ending December 15,2017.

Summary

Claims Docket.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

00001	ARNOLD LINE WATER ASSN I	2145	11/17/1	00020183	17001492	SERV 10/19-11/16/17 #8 FIRE	12/15/17	261330	28.00-

ARNOLD LINE WATER ASSN I									
Sum									28.00-
00001	AT&T	601M31822200	02018170	17001491	SERV 11/23-12/22/17	POLICE	12/15/17	261331	413.50-
00001	AT&T	601M23905500	00020183	17001662	SERV 11/28-12/27/17	POLICE	12/15/17	261332	202.00-

AT&T									
Sum									615.50-
00001	AT&T LONG DISTANCE SERVI	0268050663	02018192	17001701	L/DIST-ONE NET 12/17	GG INS	12/15/17	261333	204.28-

AT&T LONG DISTANCE SERVI									
Sum									204.28-
00001	AT&T MOBILITY	287273578351	00175404	17001569	WIRELESS BILLING 10/17	VARI	12/15/17	261334	8,716.05-
00001	AT&T MOBILITY	287273861504	00175546	17001668	GPS TRACKING 10/17	VARI DEPTS	12/15/17	261334	3,934.46-
00001	AT&T MOBILITY	287273578351	00175660	17001798	WIRELESS SERV 11/17	VARI DEPT	12/15/17	261334	9,297.60-

AT&T MOBILITY									
Sum									21,948.11-
00001	AUTO ARMATURE SERVICE IN	10206	00175319	17001535	REPR PARTS U#16007	STREETS	12/15/17	261335	289.95-
00001	AUTO ARMATURE SERVICE IN	10303	00175450	17001660	ALTERNATOR U#20152	HEALTH	12/15/17	261335	885.00-
00001	AUTO ARMATURE SERVICE IN	10305	00175487	17001661	BATTERY U#11962	CEMETERY	12/15/17	261335	136.95-
00001	AUTO ARMATURE SERVICE IN	10234	00175393	17001781	BATTERIES U#20091	SANIT	12/15/17	261335	285.90-
00001	AUTO ARMATURE SERVICE IN	10235	00175393	17001782	BATTERIES U#20089	SANIT	12/15/17	261335	285.90-
00001	AUTO ARMATURE SERVICE IN	10353	00175536	17001783	BATTERIES U#15892	SANIT	12/15/17	261335	428.85-

AUTO ARMATURE SERVICE IN									
Sum									2,312.55-
00001	AUTOMOTIVE GLASS SPECIAL	I219006	00174695	17001578	WINDSHIELD U#28099	FIRE DEPT	12/15/17	261336	225.00-
00001	AUTOMOTIVE GLASS SPECIAL	I219278	00175121	17001648	WINDSHIELD U#19348	POLICE	12/15/17	261336	295.00-
00001	AUTOMOTIVE GLASS SPECIAL	I219421	00175367	17001676	WINDOW REPR U#14684	LAND CODE	12/15/17	261336	175.00-

AUTOMOTIVE GLASS SPECIAL									
Sum									695.00-
00001	BIG IRON DIESEL REPAIR L	RO2136	00174143	17001684	REPRS U#19755	SANIT	12/15/17	261340	716.20-
00001	BIG IRON DIESEL REPAIR L	RO2135	00174143	17001685	REPRS U#16080	SANIT	12/15/17	261340	475.00-

BIG IRON DIESEL REPAIR L									
Sum									1,191.20-
00001	BILL'S DISCOUNT WHEEL &	22886	00173559	17001640	TIRES U#15901	RISK MGMT	12/15/17	261341	663.80-

BILL'S DISCOUNT WHEEL &									
Sum									663.80-
00001	BLOSSMAN GAS INC	2461392	00175375	17001601	PROPANE U#20067	ASPHALT TRUCK	12/15/17	261343	33.00-

BLOSSMAN GAS INC									
Sum									33.00-
00001	BODY TECH INC	4015	00175443	17001546	TOWING CRIME SCENE VEHICLE		12/15/17	261345	65.00-
00001	BODY TECH INC	4750 PO#1748	00174850	17001596	REPRS U#18202	POLICE	12/15/17	261345	1,459.00-
00001	BODY TECH INC	4750 PO#1748	00174850	17001597	REPRS U#19705	POLICE	12/15/17	261345	1,876.20-
00001	BODY TECH INC	4750 PO#1749	00174958	17001598	ADDL REPR U#18202	POLICE	12/15/17	261345	2,420.23-

BODY TECH INC

Sum								5,820.43-
00001	BRACKMAN MOWER WAREHOUSE	34732	00174070	17001536	REPR PARTS U#19292 STREET	12/15/17	261348	165.69-
00001	BRACKMAN MOWER WAREHOUSE	35444	00174993	17001607	WEEDEATER SUPP HEALTH DIV	12/15/17	261348	1,659.75-

BRACKMAN MOWER WAREHOUSE

Sum								1,825.44-
00001	BRUNINI	224450	00175425	17001610	SRVS 10/17 GENERAL-SSO'S	12/15/17	261351	16,747.41-

BRUNINI

Sum								16,747.41-
00001	C SPIRE (MEGAGATE)	1162016	00175619	17001718	INET/NETWORK 12/17 INFO TECH	12/15/17	261352	14,002.99-

C SPIRE (MEGAGATE)

Sum								14,002.99-
00001	CANON FINANCIAL SERVICES	17981201	00175624	17001797	COPIER 11/17 PURCHASING DEPT	12/15/17	261353	115.00-

CANON FINANCIAL SERVICES

Sum								115.00-
00001	CARQUEST AUTO PARTS STOR	14758-98762	00174402	17001465	REPR PTS U#13048/SHOP	12/15/17	261354	470.45-
00001	CARQUEST AUTO PARTS STOR	14758-99823	00175099	17001466	REPR PTS VARI PUB WORKS UNITS	12/15/17	261354	523.19-
00001	CARQUEST AUTO PARTS STOR	14758-98761	00174403	17001475	REPR PTS U#11469/SHOP CONSTR	12/15/17	261354	109.49-
00001	CARQUEST AUTO PARTS STOR	14758-99810	00175111	17001532	REPR PARTS U#14497 TRAFFIC	12/15/17	261354	101.48-
00001	CARQUEST AUTO PARTS STOR	14758-99955	00175172	17001657	ANTIFREEZE SHOP	12/15/17	261354	773.40-
00001	CARQUEST AUTO PARTS STOR	14758-98921	00174687	17001706	REPR PTS U#14497 TRAFFIC	12/15/17	261354	860.44-
00001	CARQUEST AUTO PARTS STOR	14758-100778	00175508	17001777	REPR PTS U#14497 TRAFFIC	12/15/17	261354	54.02-

CARQUEST AUTO PARTS STOR

Sum								2,892.47-
00001	CENTER FOR EDU & EMPLOYM	07145475	00175421	17001551	PUB EMP LAW BOOK P/F ACADEMY	12/15/17	261355	124.95-

CENTER FOR EDU & EMPLOYM

Sum								124.95-
00001	CERTIFIED LABORATORIES	2950905	00175415	17001793	SHOP SUPP PUBLIC WORKS	12/15/17	261357	2,476.00-

CERTIFIED LABORATORIES

Sum								2,476.00-
00001	CINTAS CORPORATION #J66	J66563041	00175352	17001494	UNIFORMS 11/20 TRAFFIC	12/15/17	261367	51.01-
00001	CINTAS CORPORATION #J66	J66563041	00175352	17001495	UNIFORMS 11/20 PUBLIC WORKS	12/15/17	261367	81.32-
00001	CINTAS CORPORATION #J66	J66563041	00175352	17001496	UNIFORMS 11/20 PUBLIC WORKS	12/15/17	261367	35.66-
00001	CINTAS CORPORATION #J66	J66563041	00175352	17001497	UNIFORMS 11/20 PUBLIC WORKS	12/15/17	261367	10.00-
00001	CINTAS CORPORATION #J66	J66563041	00175352	17001498	UNIFORMS 11/20 SHOP	12/15/17	261367	140.34-
00001	CINTAS CORPORATION #J66	J66563041	00175352	17001499	UNIFORMS 11/20 CONSTR	12/15/17	261367	77.83-
00001	CINTAS CORPORATION #J66	J66563041	00175352	17001500	UNIFORMS 11/20 SANIT	12/15/17	261367	172.38-
00001	CINTAS CORPORATION #J66	J66563041	00175352	17001501	UNIFORMS 11/20 HEALTH	12/15/17	261367	170.29-
00001	CINTAS CORPORATION #J66	J66563824	00175356	17001502	UNIFORMS 11/27 TRAFFIC	12/15/17	261367	50.01-
00001	CINTAS CORPORATION #J66	J66563824	00175356	17001503	UNIFORMS 11/27 PUBLIC WORKS	12/15/17	261367	81.32-
00001	CINTAS CORPORATION #J66	J66563824	00175356	17001504	UNIFORMS 11/27 PUBLIC WORKS	12/15/17	261367	10.00-
00001	CINTAS CORPORATION #J66	J66563824	00175356	17001505	UNIFORMS 11/27 PUBLIC WORKS	12/15/17	261367	35.66-
00001	CINTAS CORPORATION #J66	J66563824	00175356	17001506	UNIFORMS 11/27 SHOP	12/15/17	261367	44.34-
00001	CINTAS CORPORATION #J66	J66563824	00175356	17001507	UNIFORMS 11/27 CONSTR	12/15/17	261367	77.83-
00001	CINTAS CORPORATION #J66	J66563824	00175356	17001508	UNIFORMS 11/27 SANIT	12/15/17	261367	165.38-

00001	CINTAS CORPORATION	#J66	J66563824	00175356	17001509	UNIFORMS 11/27 HEALTH	12/15/17	261367	184.29-
00001	CINTAS CORPORATION	#J66	J66563043	00175353	17001510	MATS 11/20 TRAFFIC	12/15/17	261367	7.90-
00001	CINTAS CORPORATION	#J66	J66563040	00175353	17001511	MOP/MAT 11/20 GO&FS	12/15/17	261367	24.96-
00001	CINTAS CORPORATION	#J66	J66563042	00175353	17001512	MOP/MAT 11/20 SANIT	12/15/17	261367	24.04-
00001	CINTAS CORPORATION	#J66	J66563826	00175362	17001513	MATS 11/27 TRAFFIC	12/15/17	261367	7.90-
00001	CINTAS CORPORATION	#J66	J66563823	00175362	17001514	MOP/MAT 11/27 GO&FS	12/15/17	261367	24.96-
00001	CINTAS CORPORATION	#J66	J66563825	00175362	17001515	MOP/MAT 11/27 SANIT	12/15/17	261367	24.04-
00001	CINTAS CORPORATION	#J66	J66564597	00175460	17001579	UNIFORMS 12/04 TRAFFIC	12/15/17	261367	50.01-
00001	CINTAS CORPORATION	#J66	J66564597	00175460	17001580	UNIFORMS 12/04 PUBLIC WORKS	12/15/17	261367	81.32-
00001	CINTAS CORPORATION	#J66	J66564597	00175460	17001581	UNIFORMSF 12/04 PUBLIC WORKS	12/15/17	261367	10.00-
00001	CINTAS CORPORATION	#J66	J66564597	00175460	17001582	UNIFORMS 12/04 PUBLIC WORKS	12/15/17	261367	35.66-
00001	CINTAS CORPORATION	#J66	J66564597	00175460	17001583	UNIFORMS 12/04 SHOP	12/15/17	261367	199.44-
00001	CINTAS CORPORATION	#J66	J66564597	00175460	17001584	UNIFORMS 12/04 CONSTR	12/15/17	261367	77.83-
00001	CINTAS CORPORATION	#J66	J66564597	00175460	17001585	UNIFORMS 12/04 SANIT	12/15/17	261367	165.38-
00001	CINTAS CORPORATION	#J66	J66564597	00175460	17001586	UNIFORMS 12/04 HEALTH	12/15/17	261367	170.29-
00001	CINTAS CORPORATION	#J66	J66564599	00175475	17001587	MATS 12/04 TRAFFIC	12/15/17	261367	7.90-
00001	CINTAS CORPORATION	#J66	J66564596	00175475	17001588	MOP/MAT 12/04 GO&FS	12/15/17	261367	24.96-
00001	CINTAS CORPORATION	#J66	J66564598	00175475	17001589	MOP/MAT 12/04 SANIT	12/15/17	261367	24.04-
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001615	UNIFORMSF 6/19 TRAFFIC	12/15/17	261367	178.71-
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001616	CREDIT	12/15/17	261367	68.86
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001617	UNIFORMS 6/19 PUBLIC WORKS	12/15/17	261367	85.92-
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001618	CREDIT	12/15/17	261367	39.65
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001619	UNIFORMS 6/19 PUBLIC WORKS	12/15/17	261367	42.52-
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001620	CREDIT	12/15/17	261367	44.37
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001621	UNIFORMS 6/19 PUBLIC WORKS	12/15/17	261367	12.99-
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001622	CREDIT	12/15/17	261367	12.83
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001623	UNIFORMS 6/19 SHOP	12/15/17	261367	72.48-
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001624	CREDIT	12/15/17	261367	45.43
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001625	UNIFORMS 6/19 CONSTR	12/15/17	261367	255.20-
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001626	CREDIT	12/15/17	261367	50.79
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001627	UNIFORMS 6/19 SANIT	12/15/17	261367	676.69-
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001628	CREDIT	12/15/17	261367	205.07
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001629	UNIFORMS 6/19 HEALTH	12/15/17	261367	223.66-
00001	CINTAS CORPORATION	#J66	J66546235	00175494	17001630	CREDIT	12/15/17	261367	189.04
00001	CINTAS CORPORATION	#J66	J66565382	00175605	17001748	UNIFORMS 12/11 TRAFFIC	12/15/17	261367	59.62-
00001	CINTAS CORPORATION	#J66	J66565382	00175605	17001749	UNIFORMS 12/11 PUBLIC WORKS	12/15/17	261367	81.32-
00001	CINTAS CORPORATION	#J66	J66565382	00175605	17001750	UNIFORMS 12/11 PUBLIC WORKS	12/15/17	261367	10.00-
00001	CINTAS CORPORATION	#J66	J66565382	00175605	17001751	UNIFORMSF 12/11 PUBLIC WORKS	12/15/17	261367	35.66-
00001	CINTAS CORPORATION	#J66	J66565382	00175605	17001752	UNIFORMSF 12/11 SHOP	12/15/17	261367	40.44-
00001	CINTAS CORPORATION	#J66	J66565382	00175605	17001753	UNIFORMS 12/11 CONSTR	12/15/17	261367	77.83-
00001	CINTAS CORPORATION	#J66	J66565382	00175605	17001754	UNIFORMS 12/11 SANIT	12/15/17	261367	165.38-
00001	CINTAS CORPORATION	#J66	J66565382	00175605	17001755	UNIFORMS 12/11 HEALTH	12/15/17	261367	170.29-
00001	CINTAS CORPORATION	#J66	J66565384	00175609	17001756	MATS 12/11 TRAFFIC	12/15/17	261367	7.90-
00001	CINTAS CORPORATION	#J66	J66565381	00175609	17001757	MOP/MAT 12/11 GO&FS	12/15/17	261367	24.96-
00001	CINTAS CORPORATION	#J66	J66565383	00175609	17001758	MOP/MAT 12/11 SANIT	12/15/17	261367	24.04-

CINTAS CORPORATION #J66

Sum

3,937.86-

00001 CITY OF HATTIESBURG FUND TRF 1ST 12/1 02018183 17001568 TRF 1ST 12/17 PAYROLL

12/06/17

112373

1,103,433.00-

CITY OF HATTIESBURG FUND

Sum

1,103,433.00-

00001 CLARION LEDGER (SUBSCRIP	CL6108589 12 00175427 17001538	SUBSCRIPT 11/17 M/ADM	12/15/17	261369	59.00-

CLARION LEDGER (SUBSCRIP					
Sum					59.00-
00001 COMCAST CABLEVISION OF H	839641073092	00175467 17001571	CONVERTER BOX LEASE 12/17	12/15/17	261373 127.51-
00001 COMCAST CABLEVISION OF H	839641073073	00175518 17001672	CABLE SERV TRAFFIC/CONSTR	12/15/17	261374 6.71-
00001 COMCAST CABLEVISION OF H	839641073047	00175557 17001691	CABLE/INET 11/30-12/29 CLINIC	12/15/17	261375 155.59-

COMCAST CABLEVISION OF H					
Sum					289.81-
00001 COMSOUTH	186496	00173653 17001525	RADIO REPAIRS/ANTENNAS	12/15/17	261377 950.00-

COMSOUTH					
Sum					950.00-
00001 COURT PROGRAMS INC	INVOICE #39	00175531 17001663	ANKLE MONITORING 11/17	12/15/17	261379 5,130.00-

COURT PROGRAMS INC					
Sum					5,130.00-
00001 DAKTECH COMPUTERS	INV0332898	00175430 17001759	DISCOVERY DESKTOPS VARI DEPTS	12/15/17	261380 7,194.00-

DAKTECH COMPUTERS					
Sum					7,194.00-
00001 DUNBAR MONROE PA	1377-003	00175533 17001667	SRV CABLE FRANCHISE RENEWAL	12/15/17	261382 1,426.48-

DUNBAR MONROE PA					
Sum					1,426.48-
00001 ECONOMY SUPPLY CO	285786	00175285 17001476	SIDING GUN CONSTR DEPT	12/15/17	261384 375.00-
00001 ECONOMY SUPPLY CO	284468	00172799 17001479	BLDG MATLS E PINE ST PROJECT	12/15/17	261384 2,435.26-
00001 ECONOMY SUPPLY CO	286236	00175491 17001708	TRIM FUEL CONSTR DEPT	12/15/17	261384 35.90-
00001 ECONOMY SUPPLY CO	286291	00175446 17001709	BLDG MATLS EMP CLINIC	12/15/17	261384 59.77-

ECONOMY SUPPLY CO					
Sum					2,905.93-
00001 ELLARD, ANDREW	REG/MEAL REI	00175370 17001521	REG/MEAL REIMB MCCMA CONF	12/15/17	261386 161.10-

ELLARD, ANDREW					
Sum					161.10-
00001 EMERGENCY EQUIPMENT PROF	431259	00175589 17001791	REPR PTS U#13933 FIRE DEPT	12/15/17	261387 612.24-

EMERGENCY EQUIPMENT PROF					
Sum					612.24-
00001 EMPIRE TRUCK SALES (H'BU	RE006026689:	00175317 17001471	WHEEL REPR U#20072 STREET	12/15/17	261388 110.00-
00001 EMPIRE TRUCK SALES (H'BU	CE006129777:	00175160 17001480	REPR PTS U#19948 SANIT	12/15/17	261388 42.81-
00001 EMPIRE TRUCK SALES (H'BU	CE006130134:	00175389 17001659	REPR PTS U#20091 SANIT	12/15/17	261388 126.10-
00001 EMPIRE TRUCK SALES (H'BU	CR006129520:	00174995 17001771	REPR PTS VARI SANIT UNITS	12/15/17	261388 1,874.36-

EMPIRE TRUCK SALES (H'BU					
Sum					2,153.27-
00001 EQUIPMENT INC	164003460	00174856 17001678	REPR PTS U#14618 STREET	12/15/17	261389 134.14-

EQUIPMENT INC					
Sum					134.14-

00001 FAIRLEY CONSTRUCTION SER APPL #3 GORD	00175640	17001794	GORDON CRK REPR 2016 FLOOD	12/15/17	261392	219,106.05-
00001 FAIRLEY CONSTRUCTION SER APPL #4 GORD	00175641	17001795	GORDON CRK REPR 2016 FLOOD	12/15/17	261392	24,334.40-

FAIRLEY CONSTRUCTION SER						
Sum						
00001 FORREST GENERAL HOSPITAL EAP CHARGE 1	00175342	17001459	EAP CHARGE 12/17	12/15/17	261395	243,440.45-

FORREST GENERAL HOSPITAL						
Sum						
00001 FUELMAN OF MS	BG127044	NP5	00175632 17001760 FUEL CHGS 11/27-12/3	12/15/17	261398	1,785.00-

FUELMAN OF MS						
Sum						
00001 FV RECYCLING	2017-55905	00175320	17001484 RECYCLE FEES 11/17 SANIT	12/15/17	261400	18.85-
00001 FV RECYCLING	2017-55907	00175320	17001485 RECYCLE FEES 11/17 SANIT	12/15/17	261400	13.00-
00001 FV RECYCLING	2017-55906	00175320	17001486 RECYCLE FEES 11/17 SANIT	12/15/17	261400	21.00-
00001 FV RECYCLING	2017-55958	00175320	17001487 RECYCLE FEES 11/28 SANIT	12/15/17	261400	76.50-
00001 FV RECYCLING	2017-55977	00175461	17001590 RECYCLE FEES 11/17 SANIT	12/15/17	261400	8.50-
00001 FV RECYCLING	2017-56002	00175461	17001591 RECYCLE FEES 11/17 SANIT	12/15/17	261400	54.75-
00001 FV RECYCLING	2017-56011	00175461	17001592 RECYCLE FEES 11/17 SANIT	12/15/17	261400	29.00-
00001 FV RECYCLING	2017-56015	00175461	17001593 RECYCLE FEES 12/17 SANIT	12/15/17	261400	128.75-
00001 FV RECYCLING	2017-56040	00175604	17001729 RECYCLE FEES 12/17 SANIT	12/15/17	261400	47.25-
00001 FV RECYCLING	2017-56039	00175604	17001730 RECYCLE FEES 12/17 SANIT	12/15/17	261400	23.25-
00001 FV RECYCLING	2017-56038	00175604	17001731 RECYCLE FEES 12/17 SANIT	12/15/17	261400	42.50-
00001 FV RECYCLING	2017-56055	00175604	17001732 RECYCLE FEES 12/17 SANIT	12/15/17	261400	43.25-
00001 FV RECYCLING	2017-56057	00175604	17001733 RECYCLE FEES 12/17 SANIT	12/15/17	261400	20.75-

FV RECYCLING						
Sum						
00001 GALLS (WAS MCCAIN UNIF 356217-1	00166053	17001537	ANNUAL UNIFORM ORDER FIRE DEPT	12/15/17	261401	550.00-

GALLS (WAS MCCAIN UNIF						
Sum						
00001 GILLILANDS ELECTRONICS S 65513	00175452	17001544	MOVE TAX LINE COMM RELATIONS	12/15/17	261403	922.55-

GILLILANDS ELECTRONICS S						
Sum						
00001 GLOBAL SECURITY COMPANY PO#175654 12	00175654	17001796	CATERING KHB MEETING 12/20/17	12/15/17	261404	138.31-

GLOBAL SECURITY COMPANY						
Sum						
00001 GLOBAL SECURITY COMPANY 10180	02018193	17001711	SECURITY DETAIL 12/02/17	12/15/17	261405	450.00-

GLOBAL SECURITY COMPANY						
Sum						
00001 GRANT WRITING USA 2082349-1059	00175568	17001696	REG RUPL 1/31-2/2 BIRMINGHAM	12/15/17	261406	96.25-

GRANT WRITING USA						
Sum						
00001 GULF SOUTH PRODUCTIONS 1473	00175412	17001542	SNOW EFFECTS TREE LIGHTING	12/15/17	261410	96.25-

GULF SOUTH PRODUCTIONS						

[illegible]

00001 JONES, ANN	REG/MEAL REI 00175374 17001522 REG/MEAL REIMB MCCMA CONF	12/15/17	261427	160.88-

JONES, ANN				
Sum				160.88-
00001 KEELING COMPANY (HATTIES S3311550.001 00175046 17001679 DRAIN PIPE VARI LOC		12/15/17	261428	1,475.20-
00001 KEELING COMPANY (HATTIES S3311550.002 00175046 17001680 DRAIN PIPE VARI LOC		12/15/17	261428	829.80-

KEELING COMPANY (HATTIES				
Sum				2,305.00-
00001 KEEP AMERICA BEAUTIFUL I G6N8STGBKTC 00175558 17001698 REG MCCLAIN CONF DALLAS,TX		12/15/17	261429	595.00-

KEEP AMERICA BEAUTIFUL I				
Sum				595.00-
00001 KRONOS INCORPORATED 11256247 00175544 17001664 SOFTWARE SUPPORT FOR KRONOS		12/15/17	261430	9,088.00-

KRONOS INCORPORATED				
Sum				9,088.00-
00001 LARRY'S WRECKER SERVICE 4011 00175373 17001526 TOWING UNIT # 17578		12/15/17	261435	55.00-
00001 LARRY'S WRECKER SERVICE 4010 00175373 17001527 TOWING UNIT # 18202		12/15/17	261435	55.00-
00001 LARRY'S WRECKER SERVICE 4019 00175441 17001547 TOWING CRIME SCENE VEHICLE		12/15/17	261435	65.00-
00001 LARRY'S WRECKER SERVICE 3941 00175465 17001573 TOWING U#18319 POLICE		12/15/17	261435	55.00-
00001 LARRY'S WRECKER SERVICE 3940 00175465 17001574 TOWING U#18203 POLICE		12/15/17	261435	55.00-
00001 LARRY'S WRECKER SERVICE 4020 00175468 17001575 TOWING U#18319 POLICE		12/15/17	261435	55.00-
00001 LARRY'S WRECKER SERVICE 4024 00175468 17001576 TOWING U#18201 POLICE		12/15/17	261435	55.00-
00001 LARRY'S WRECKER SERVICE 0000017 00175590 17001693 TOWING U#17355 POLICE		12/15/17	261435	55.00-
00001 LARRY'S WRECKER SERVICE 4032 00175590 17001694 TOWING U#17897 POLICE		12/15/17	261435	55.00-
00001 LARRY'S WRECKER SERVICE 4033 00175590 17001695 TOWING U#19340 POLICE		12/15/17	261435	55.00-
00001 LARRY'S WRECKER SERVICE 4037 00175636 17001763 TOWING CRIME SCENE VEHICLE		12/15/17	261435	55.00-
00001 LARRY'S WRECKER SERVICE 4039 00175636 17001764 TOWING CRIME SCENE VEHICLE		12/15/17	261435	55.00-

LARRY'S WRECKER SERVICE				
Sum				670.00-
00001 LATUX DIAMOND BLADE DIST 52523 00174863 17001600 ASPHALT/CONCRETE BLADES		12/15/17	261436	1,842.00-

LATUX DIAMOND BLADE DIST				
Sum				1,842.00-
00001 LINEBARGER GOGGAN BLAIR 11/15/2017 02018162 17001490 POLICE FINES COLL.FEE		12/15/17	261437	817.75-

LINEBARGER GOGGAN BLAIR				
Sum				817.75-
00001 LOWE'S OF HATTIESBURG IN 908359 00174945 17001561 SPRAY PAINT P/F ACADEMY		12/15/17	261438	59.68-
00001 LOWE'S OF HATTIESBURG IN 953283 00174846 17001563 TAPE MEASURES CONSTR DEPT		12/15/17	261438	127.12-
00001 LOWE'S OF HATTIESBURG IN 991528 00174524 17001564 GLOVES SANIT CREW WORKERS		12/15/17	261438	49.20-
00001 LOWE'S OF HATTIESBURG IN 967554 00174683 17001565 WHEEL BARROWS 404 S 34/STOCK		12/15/17	261438	75.96-

LOWE'S OF HATTIESBURG IN				
Sum				311.96-
00001 M & M CONSTRUCTION CO APPL#1 MT CA 00175580 17001687 APPL#1 MT CAMEL DEMOLITION		12/15/17	261440	259,383.27-

M & M CONSTRUCTION CO				
Sum				259,383.27-
00001 MCCLAIN, JACQULINE TRAV ADVANCE 00175556 17001697 TRAV ADV KAB CONF DALLAS,TX		12/15/17	261442	1,025.00-

MCCLAIN, JACQUINE								
Sum								1,025.00-
00001	MCELHANEY PLUMBING INC	262488	00175534	17001707	PLUMB SUPP P/W MEN'S BATHROOM	12/15/17	261443	99.95-

MCELHANEY PLUMBING INC								
Sum								99.95-
00001	MCLAURIN, CAMI (REFUND)	DAMAGE DEP R	02018195	17001713	DAMAGE DEPOSIT REFUND	12/15/17	261446	600.00-

MCLAURIN, CAMI (REFUND)								
Sum								600.00-
00001	MCMULLAN EQUIPMENT CO	173516P	00175175	17001762	REPR PTS U#18331 POLICE	12/15/17	261447	135.00-

MCMULLAN EQUIPMENT CO								
Sum								135.00-
00001	METRO CRIMESTOPPERS INC	CITY COURT C	02018167	17001493	CITY COURT COST 11/17	12/04/17	112364	776.31-

METRO CRIMESTOPPERS INC								
Sum								776.31-
00001	MID SOUTH UNIFORM & SUPP	570020	00175210	17001674	UNIFORMS VARI IND/STOCK	12/15/17	261448	551.85-

MID SOUTH UNIFORM & SUPP								
Sum								551.85-
00001	MINGLEDORFF'S INC	7274557-00	00174576	17001761	REFRIGERANT CYL TANKS	12/15/17	261449	248.00-

MINGLEDORFF'S INC								
Sum								248.00-
00001	MISSISSIPPI AG COMPANY,	P15538	00173631	17001603	REPR PTS U#6248 STREET	12/15/17	261450	34.94-

MISSISSIPPI AG COMPANY,								
Sum								34.94-
00001	MOLLY MAID	SERVS 12/17	00175411	17001567	SERVS 12/17 CEMETERY	12/15/17	261452	245.00-

MOLLY MAID								
Sum								245.00-
00001	MS POWER COMPANY	12/17 GENERA	00020185	17001789	MNTHLY ELEC-GENERAL	12/15/17	261453	7,410.90-

MS POWER COMPANY								
Sum								7,410.90-
00001	MS STATE/TREASURER/FINAN	FINE COLLECT	02018168	17001519	FINE COLLECTIONS 11/17	12/04/17	112368	44,490.53-

MS STATE/TREASURER/FINAN								
Sum								44,490.53-
00001	N & H ELECTRONIC DISTRIB	178543	00175261	17001570	ZIP TIES FOR EVIDENCE	12/15/17	261455	48.24-

N & H ELECTRONIC DISTRIB								
Sum								48.24-
00001	NAPA AUTO PARTS	5930-568761	00175495	17001776	EXHAUST FLUID/SHOP TOOL FIRE	12/15/17	261457	370.79-

NAPA AUTO PARTS								
Sum								370.79-
00001	NATL INSTIT FOR PUBLIC P	290932	00175638	17001770	REG EVANS 9/20-23 MAGPA JKSN	12/15/17	261458	965.00-

NATL INSTIT FOR PUBLIC P								
Sum								965.00-
00001	NEEL-SCHAFFER INC	1047939	PH 1	00175529	17001665	SRV 8/1-9/30 MT CARMEL CHURCH	12/15/17 261459	10,130.58-

NEEL-SCHAFFER INC								
Sum								10,130.58-
00001	NEWELL PAPER COMPANY	4015784		00175254	17001556	JANIT SUPP CITY HALL/ENGR	12/15/17 261460	519.60-
00001	NEWELL PAPER COMPANY	4015785		00175254	17001557	JANIT SUPP CITY HALL/ENGR	12/15/17 261460	42.82-
00001	NEWELL PAPER COMPANY	4015775		00175211	17001566	JANIT SUPP CEMETERY	12/15/17 261460	188.00-

NEWELL PAPER COMPANY								
Sum								750.42-
00001	NORFOLK SOUTHERN CORP	90516692		00175577	17001700	1/18 LEASE RR ST PK LOT	12/15/17 261462	1,943.51-

NORFOLK SOUTHERN CORP								
Sum								1,943.51-
00001	OFFICE PRODUCTS PLUS	814009-0		00175405	17001599	OFFICE CHAIR/PHONE HEADSET	12/15/17 261463	418.41-
00001	OFFICE PRODUCTS PLUS	812400-0(B)		00174992	17001631	OFFICE SUPPLIES	12/15/17 261463	367.83-
00001	OFFICE PRODUCTS PLUS	812400-1		00174992	17001632	WALL CABINET & OFFICE SUPPLIES	12/15/17 261463	497.23-
00001	OFFICE PRODUCTS PLUS	812400-2		00174992	17001633	DEFIBRILLATOR	12/15/17 261463	1,899.99-
00001	OFFICE PRODUCTS PLUS	813132-0		00174992	17001634	OFFICE SUPPLIES	12/15/17 261463	170.95-
00001	OFFICE PRODUCTS PLUS	C812400-1		00174992	17001635	CREDIT INV # 813132-0	12/15/17 261463	170.95
00001	OFFICE PRODUCTS PLUS	C812400-1(A)		00174992	17001636	CREDIT INV # 812400-1	12/15/17 261463	10.00
00001	OFFICE PRODUCTS PLUS	C812400-2		00174992	17001637	CREDIT INV # 812400-2	12/15/17 261463	350.00
00001	OFFICE PRODUCTS PLUS	813701-0		00175269	17001710	OFFICE SUPP SANIT DEPT	12/15/17 261463	143.04-

OFFICE PRODUCTS PLUS								
Sum								2,966.50-
00001	ORIENTAL TRADING CO INC	685822333-01		00173032	17001703	VICTIM ADVOCATE SUPPLIES	12/15/17 261465	274.78-
00001	ORIENTAL TRADING CO INC	685822333-02		00173032	17001704	VICTIM ADVOCATE SUPPLIES	12/15/17 261465	47.97-

ORIENTAL TRADING CO INC								
Sum								322.75-
00001	PEANUTS TOWING SERVICE	77133		00175439	17001548	TOWING CRIME SCENE VEHICLE	12/15/17 261466	200.00-
00001	PEANUTS TOWING SERVICE	77135		00175403	17001555	TOWING U#18569 JONES M/ADM	12/15/17 261466	75.00-

PEANUTS TOWING SERVICE								
Sum								275.00-
00001	PEARL RIVER COMMUNITY CO	1737		00175500	17001614	EMT REFRESHER COURSES	12/15/17 261467	1,720.00-

PEARL RIVER COMMUNITY CO								
Sum								1,720.00-
00001	PEARL RIVER VALLEY EPA (	12/17 GENERA		00020185	17001787	MNTHLY 12/17 PUBLIC SERVICES	12/15/17 261468	5,318.73-

PEARL RIVER VALLEY EPA (								
Sum								5,318.73-
00001	PETERBILT OF HATTIESBURG	518336		00173348	17001461	REPRS U#14517 FIRE DEPT	12/15/17 261470	134.88-

PETERBILT OF HATTIESBURG								
Sum								134.88-
00001	PINE BELT OIL COMPANY IN	10515571		00175244	17001450	GAS FOR FUEL STATION	12/15/17 261473	9,231.25-

00001	PINE BELT OIL COMPANY IN	1168087	00175244	17001451	DIESEL FOR FUEL STATION	12/15/17	261473	5,866.26-
00001	PINE BELT OIL COMPANY IN	6766904	00175377	17001558	FUEL CHARGE POLICE DEPT	12/15/17	261473	12.46-
00001	PINE BELT OIL COMPANY IN	6766958	00175377	17001559	FUEL CHARGE POLICE DEPT	12/15/17	261473	36.41-
00001	PINE BELT OIL COMPANY IN	6766959	00175377	17001560	FUEL CHARGE POLICE DEPT	12/15/17	261473	32.00-
00001	PINE BELT OIL COMPANY IN	POLICE 11/1-	00175478	17001641	REMOTE SITE FUEL CHGS 11/17	12/15/17	261473	945.66-
00001	PINE BELT OIL COMPANY IN	FIRE 11/1-11	00175478	17001642	REMOTE SITE FUEL CHGS 11/17	12/15/17	261473	1,472.99-
00001	PINE BELT OIL COMPANY IN	1174157	00175602	17001726	GAS CARD SERVICE	12/15/17	261473	382.05-

PINE BELT OIL COMPANY IN								17,979.08-
Sum								33,809.77-
00001	PINE BELT REGIONAL SOLID	100006 11/17	00175614	17001727	REFUSE DISPOSAL SANIT	12/15/17	261474	-----
PINE BELT REGIONAL SOLID								33,809.77-
Sum								138.00-
00001	PODS ENTERPRISES, LLC	HATT00000230	00170799	17001594	STORAGE FEE TIPTON TORNADO'17	12/15/17	261477	69.00-
00001	PODS ENTERPRISES, LLC	HATT00000230	00170799	17001595	STORAGE FEE TIPTON TORNADO'17	12/15/17	261477	169.00-
00001	PODS ENTERPRISES, LLC	HATT00000230	00170799	17001608	STORAGE FEE TIPTON TORNADO'17	12/15/17	261477	79.50-
00001	PODS ENTERPRISES, LLC	HATT-C000003	00170799	17001609	CREDIT	12/15/17	261477	-----
PODS ENTERPRISES, LLC								296.50-
Sum								550.00-
00001	PRECISION FAB & REFURBIS	013	00175315	17001472	REPRS U#20093 STREET	12/15/17	261478	-----
PRECISION FAB & REFURBIS								550.00-
Sum								1,406.64-
00001	PUCKETT MACHINERY COMPAN	P05C5634897	00174875	17001470	REPR PTS U#18035 STREET	12/15/17	261479	-----
PUCKETT MACHINERY COMPAN								1,406.64-
Sum								84.99-
00001	PUCKETT RENTS	630092-0001	00175149	17001477	AIR HOSE CONSTR DEPT	12/15/17	261480	-----
PUCKETT RENTS								84.99-
Sum								815.17-
00001	PYLE, MILLS & DYE PA	1292-0011M	00175615	17001721	SRVS SEWER CONTRACTS STMT#19	12/15/17	261481	24,588.36-
00001	PYLE, MILLS & DYE PA	1292-0012M	00175615	17001722	SRVS 2016 ANNEXATION STMT#14	12/15/17	261481	18,858.00-
00001	PYLE, MILLS & DYE PA	1292-0014M	00175615	17001723	SFRVS BELLEVUE INCORP STMT#3	12/15/17	261481	-----
PYLE, MILLS & DYE PA								44,261.53-
Sum								1,068.80-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00174655	17001734	REG/TKT DELGADO NLC 11/15-18	12/15/17	261485	245.00-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00175011	17001735	LIFETIME LIC EDRAW SOFTWARE	12/15/17	261485	280.59-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00171993	17001736	HOTEL ARCHER 11/13-17 CONF	12/15/17	261485	160.00-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00174929	17001737	2018 MBRSHF MADDOX FLOODPLAIN	12/15/17	261485	155.40-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00175618	17001738	MISC FEES	12/15/17	261485	319.80-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00174788	17001739	CLOTH ALLOW ESSARY POLICE	12/15/17	261485	446.83-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00174790	17001740	CLOTH ALLOW GARDNER POLICE	12/15/17	261485	444.79-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00174913	17001741	CLOTH ALLOW KENNEDY POLICE	12/15/17	261485	496.39-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00175075	17001742	CLOTH ALLOW WOOD POLICE	12/15/17	261485	490.49-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00175076	17001743	CLOTH ALLOW HOWELL POLICE	12/15/17	261485	700.00-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00175180	17001744	REG MURRAY/BUCKHALTER EXPO	12/15/17	261485	160.00-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00174930	17001745	2017 MBRSHF MITCHELL FLOODPLN	12/15/17	261485	86.49-
00001	REGIONS CARDHOLDER SERVI	7079 11/30/1	00175597	17001746	ADDL AMT PO#174272 BARNES	12/15/17	261485	

00001 REGIONS CARDHOLDER SERVI	7079 11/30/1	00175622	17001747	HOTEL SUTTON 11/1-3 MS811	12/15/17	261485	86.24-

Sum							5,140.82-
00001 RICHARD CONSULTING	INVOICE 14	00175512	17001611	SRV FINANCIAL MASTER PLAN	12/15/17	261486	5,007.00-

RICHARD CONSULTING							5,007.00-
Sum							124.45-
00001 RICOH CORP	5049685612	00175391	17001529	COPIER 8/17 LAND CODE	12/15/17	261487	141.49-
00001 RICOH CORP	5050149556	00175391	17001530	COPIER 9/17 LAND CODE	12/15/17	261487	131.85-
00001 RICOH CORP	5050597271	00175391	17001531	COPIER 10/17 LAND CODE	12/15/17	261487	221.67-
00001 RICOH CORP	23772954	00175610	17001716	COPIER 12/15-1/14 HUMAN RES	12/15/17	261487	91.68-
00001 RICOH CORP	5051428075	00175610	17001717	COPIER 11/17 HUMAN RES	12/15/17	261487	937.77-
00001 RICOH CORP	5051355165 G	00175656	17001790	PRODUCTION PRINTER CHARGES	12/15/17	261487	-----
RICOH CORP							1,648.91-
Sum							253.00-
00001 RJ YOUNG COMPANY	INV2137074	00175442	17001549	COPIER 9/24-10/23 POLICE ADM	12/15/17	261488	253.00-
00001 RJ YOUNG COMPANY	INV2192258	00175442	17001550	COPIER 10/24-11/23 POLICE ADM	12/15/17	261488	492.00-
00001 RJ YOUNG COMPANY	INV2193815	00175535	17001670	COPIER 10/28-11/27 POLICE	12/15/17	261488	194.00-
00001 RJ YOUNG COMPANY	INV2193816	00175545	17001671	COPIER 10/28-11/27 FIRE DEPT	12/15/17	261488	187.00-
00001 RJ YOUNG COMPANY	INV2193817	00175620	17001724	COPIER 10/28-11/27 FED/STATE	12/15/17	261488	236.00-
00001 RJ YOUNG COMPANY	INV2193814	00175608	17001725	COPIER 10/28-11/27 P/F ACDMY	12/15/17	261488	-----
RJ YOUNG COMPANY							1,615.00-
Sum							500.00-
00001 ROGERS, KEVIN	TITLE OPINIO	00175413	17001540	TITLE OPINIONS	12/15/17	261490	-----
ROGERS, KEVIN							500.00-
Sum							518.16-
00001 RUPLE, JUDITH DENISE	TRAV ADVANCE	00175569	17001692	TRAV ADV GRANT WRITING CLASS	12/15/17	261491	-----
RUPLE, JUDITH DENISE							518.16-
Sum							119.97-
00001 SACKS OUTDOOR SUPPLY	RC1000111358	00175313	17001460	UNIFORM SHIRTS STEPHENS	12/15/17	261493	150.00-
00001 SACKS OUTDOOR SUPPLY	RC1000111112	00174762	17001464	WORK BOOTS FOR CREW MEMBER	12/15/17	261493	289.92-
00001 SACKS OUTDOOR SUPPLY	RC1000111516	00175407	17001528	UNIFORM PANTS-MISENHELTER	12/15/17	261493	-----
SACKS OUTDOOR SUPPLY							559.89-
Sum							442.00-
00001 SANSOM EQUIPMENT CO	52971	00175559	17001778	REPRS U#20067 STREET	12/15/17	261496	-----
SANSOM EQUIPMENT CO							442.00-
Sum							530.44-
00001 SCOTTS HYDRAULIC SERVICE	31555	00175316	17001473	REPRS U#20089 STREET	12/15/17	261498	-----
SCOTTS HYDRAULIC SERVICE							530.44-
Sum							41.31-
00001 SHERWIN-WILLIAMS COMPANY	8719-6	00175433	17001562	FIRE HYDRANT PAINT	12/15/17	261499	-----
SHERWIN-WILLIAMS COMPANY							41.31-
Sum							

00001 SMITH BROS. COLLISION CN 5201	00173199 17001649 REPRS U#18314 POLICE	12/15/17	261501	2,119.20-
00001 SMITH BROS. COLLISION CN 5199	00173201 17001650 REPRS U#17592 POLICE	12/15/17	261501	2,106.65-
00001 SMITH BROS. COLLISION CN 5272	00173534 17001651 REPRS U#18333 POLICE	12/15/17	261501	1,378.80-

SMITH BROS. COLLISION CN				
Sum				5,604.65-
00001 SOUTH MS ART ASSN (REFUN DAMAGE DEP R 02018195 17001712 DAMAGE DEPOSIT REFUND		12/15/17	261503	300.00-

SOUTH MS ART ASSN (REFUN				
Sum				300.00-
00001 SOUTHCOMM PUBLISHING ADP 2018-19 00175503 17001613 ADP 2018-19 DIRECTORY AD		12/15/17	261504	795.00-

SOUTHCOMM PUBLISHING				
Sum				795.00-
00001 SOUTHERN FINANCIAL SYSTE CMCHAT 10/18 02018178 17001552 POLICE FINES COLL.FEE		12/15/17	261505	.10-
00001 SOUTHERN FINANCIAL SYSTE CMCHAT2 11/1 02018179 17001553 POLICE FINES COLL.FEE		12/15/17	261505	10.00-
00001 SOUTHERN FINANCIAL SYSTE CMCHAT3 11/1 02018180 17001554 POLICE FINES COLL.FEE		12/15/17	261505	314.23-

SOUTHERN FINANCIAL SYSTE				
Sum				324.33-
00001 SOUTHERN PINE ELECTRIC P 12/17 GENERA 00020184 17001788 MNTHLY 12/17 PUBLIC SERVICES		12/15/17	261508	1,167.96-

SOUTHERN PINE ELECTRIC P				
Sum				1,167.96-
00001 SOUTHERN TIRE MART #9 (M 9027165 00174770 17001483 TIRE CHANGER SANIT DEPT		12/15/17	261509	7,434.00-
00001 SOUTHERN TIRE MART #9 (M 9026925 00175027 17001652 REPRS U#17896 POLICE		12/15/17	261509	465.47-

SOUTHERN TIRE MART #9 (M				
Sum				7,899.47-
00001 SOUTHERN TIRE MART LLC 9026740 00174858 17001481 TIRES/ALIGN U#14145 SANIT		12/15/17	261510	640.85-
00001 SOUTHERN TIRE MART LLC 9026221 00174229 17001643 TIRES U#17836/17837 POLICE		12/15/17	261510	888.88-

SOUTHERN TIRE MART LLC				
Sum				1,529.73-
00001 SPECIALTY ABATEMENT SERV 17-12034-01 00175049 17001773 BUS BARN ABATEMENT		12/15/17	261513	2,100.00-

SPECIALTY ABATEMENT SERV				
Sum				2,100.00-
00001 SPIRE ENERGY 12/17 GENERA 00020185 17001786 MNTHLY GAS-GENERAL		12/15/17	261515	2,148.97-

SPIRE ENERGY				
Sum				2,148.97-
00001 STANDARD OFFICE SUPPLY C 0074077-001 00173671 17001772 ACCTS PAYABLE CHECK ENVELOPES		12/15/17	261517	282.50-

STANDARD OFFICE SUPPLY C				
Sum				282.50-
00001 STAPLES 8047621137 00175266 17001453 COPY PAPER PLANNING DIV		12/15/17	261518	197.55-

STAPLES				
Sum				197.55-
00001 STATE FIRE ACADEMY 25889 BUTLER 00175630 17001766 REG BUTLER 9/19/17 CLASS		12/15/17	261519	40.00-

STATE FIRE ACADEMY

Sum							40.00-
00001 STATIONERS INC	90359-0	00175187	17001524	POLICE NOTEBOOKS/STOCK	12/15/17	261520	619.19-

STATIONERS INC

Sum							619.19-
00001 TEMPLE INC	INV0168401	00172991	17001656	ETHERNET SWITCH TRAFFIC DEPT	12/15/17	261523	1,493.00-

TEMPLE INC

Sum							1,493.00-
00001 THYSSENKRUPP ELEVATOR CO	3003575463	00175570	17001699	MAINT 12/17 PINE ST GARAGE	12/15/17	261525	468.42-

THYSSENKRUPP ELEVATOR CO

Sum							468.42-
00001 TI TRAINING CORP	2593	00173633	17001765	SHOTGUN RECOIL KIT P/F ACDMY	12/15/17	261526	2,925.00-

TI TRAINING CORP

Sum							2,925.00-
00001 TOWNSEND, KIMBERLY	41551707517	00175382	17001520	REPR REIMB U#14147	12/15/17	261527	32.05-

TOWNSEND, KIMBERLY

Sum							32.05-
00001 TRANSUNION RISK AND ALTE	362606 12/01	00175434	17001545	ONLINE INVESTIGATIONS 11/17	12/15/17	261528	111.00-

TRANSUNION RISK AND ALTE

Sum							111.00-
00001 TRUCKPRO INC	039-0639418	00175395	17001682	REPR PTS U#20091/20071 SANIT	12/15/17	261529	2,915.04-

TRUCKPRO INC

Sum							2,915.04-
00001 TRUCKS PLUS AUTO ACCESSO	37388	00175365	17001604	TOOLBOX U#20053 STREET	12/15/17	261530	329.00-

TRUCKS PLUS AUTO ACCESSO

Sum							329.00-
00001 TURNER, JASON	PO#175417 12	00175417	17001543	SOUND SYS TREE LIGHTING	12/15/17	261531	650.00-

TURNER, JASON

Sum							650.00-
00001 UNITED RENTALS (NORTH AM	152837730-00	00175600	17001779	SKID STEER LOADER SNOW STORM	12/15/17	261534	844.14-
00001 UNITED RENTALS (NORTH AM	152831025-00	00175600	17001780	SWEEPER SNOW STORM	12/15/17	261534	987.67-

UNITED RENTALS (NORTH AM

Sum							1,831.81-
00001 UNIVERSITY TIRE & SERVIC	517156	00174684	17001644	TIRES POLICE STOCK	12/15/17	261535	3,143.56-
00001 UNIVERSITY TIRE & SERVIC	517571	00174892	17001645	TIRES U#16754/16756 POLICE	12/15/17	261535	946.88-
00001 UNIVERSITY TIRE & SERVIC	517731	00174905	17001646	TIRES U#17708 POLICE	12/15/17	261535	654.56-
00001 UNIVERSITY TIRE & SERVIC	518374	00175204	17001647	TIRES POLICE STOCK	12/15/17	261535	2,245.40-

UNIVERSITY TIRE & SERVIC

Sum							6,990.40-
00001 USM/SCHOOL OF MASS COMMU	012	00175310	17001452	AD PURSUIT MAGAZINE M/ADM	12/15/17	261536	500.00-

USM/SCHOOL OF MASS COMMU							
Sum							500.00-
00001 V F W OF THE US	PARKING SPAC	00175343	17001489	PARKING SPACES 12/17	12/15/17	261537	75.00-

V F W OF THE US							
Sum							75.00-
00001 VERIZON WIRELESS	9797309356	00175621	17001719	HPD WIRELESS SERVICE	12/15/17	261538	2,400.70-

VERIZON WIRELESS							
Sum							2,400.70-
00001 VESELY'S NURSERY	PO#174707 11	00174707	17001454	POINSETTIAS FOR CITY HALL	12/15/17	261539	348.00-

VESELY'S NURSERY							
Sum							348.00-
00001 VULCAN MATERIALS CO	50367474	00175213	17001533	LIMESTONE CITY WIDE USE	12/15/17	261540	2,010.42-
00001 VULCAN MATERIALS CO	50369049	00175213	17001534	LIMESTONE CITY WIDE USE	12/15/17	261540	1,371.22-

VULCAN MATERIALS CO							
Sum							3,381.64-
00001 VULCAN SIGNS	316548	00174276	17001462	TRFFIC SIGNS CITY WIDE USE	12/15/17	261541	5,547.07-

VULCAN SIGNS							
Sum							5,547.07-
00001 WAGE HOUR ASSESSMENTS AN	CH1117-0011	00175496	17001612	MONTHLY RETAINER FEE 11/17	12/15/17	261542	500.00-

WAGE HOUR ASSESSMENTS AN							
Sum							500.00-
00001 WAL-MART STORES INC	001107	00174478	17001458	FOOD MPO POLICY MEETING	12/15/17	261543	14.82-

WAL-MART STORES INC							
Sum							14.82-
00001 WASTE MANAGEMENT OF SOUT	0010436-2526	00175616	17001728	WASTE DISPOSAL SANIT	12/15/17	261546	2,198.02-

WASTE MANAGEMENT OF SOUT							
Sum							2,198.02-
00001 WATCH GUARD VIDEO	SRINV0017310	00175128	17001775	REPR WATCHGUARD U#18202	12/15/17	261547	350.00-

WATCH GUARD VIDEO							
Sum							350.00-
00001 WATERS INTERNATIONAL TRU	08P844200	00175107	17001463	REPR PTS U#14497 TRAFFIC	12/15/17	261550	111.77-
00001 WATERS INTERNATIONAL TRU	08P844542	00175104	17001482	REPR PTS U#14408 SANIT	12/15/17	261550	482.56-
00001 WATERS INTERNATIONAL TRU	08P842872	00174284	17001653	REPR PTS U#15064 FIRE DEPT	12/15/17	261550	129.14-
00001 WATERS INTERNATIONAL TRU	08P845959	00175623	17001792	REPR PTS U#18099 FIRE DEPT	12/15/17	261550	55.90-

WATERS INTERNATIONAL TRU							
Sum							779.37-
00001 WHEELER'S JANITORIAL SUP	0401483	00174904	17001677	JANIT SUPP TRAFFIC DEPT	12/15/17	261551	237.72-
00001 WHEELER'S JANITORIAL SUP	0401449	00174520	17001681	SUPPLIES SANIT CREW WORKERS	12/15/17	261551	742.00-

WHEELER'S JANITORIAL SUP							
Sum							979.72-
00001 WINTERGREEN CORPORATION	3502833	00175077	17001478	CHRISTMAS LIGHTS FOR 2017	12/15/17	261552	1,055.55-

1,055.55-

8,127.00-

8,127.00-

2,014,517.56-

CITY OF HATTIESBURG

DOCKET OF CLAIMS

PERIOD ENDING DECEMBER 15, 2017

Date

- 12/13/17

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PARKS & RECREATION FUND							
00002 A & R FARM AND GARDEN	305697	00175523	17000304	ROCK SALT COMM CENTERS	12/15/17	261313	187.50-

A & R FARM AND GARDEN							187.50-
Sum							152.00-
00002 AGRI-AFC LLC	5411771	00175369	17000294	WEEDKILLER GRNDS MAINT	12/15/17	261321	-----
AGRI-AFC LLC							
Sum							152.00-
00002 ALLBRITTON CHAIN SAW & L	53942	00175010	17000275	WEEDEATER SUPP GRNDS MAINT	12/15/17	261324	79.80-

ALLBRITTON CHAIN SAW & L							79.80-
Sum							310.00-
00002 ANOINTED HANDS SERVICES, 5310		00175438	17000283	SERVS 12/17 GRNDS MAINT	12/15/17	261328	-----
ANOINTED HANDS SERVICES,							
Sum							310.00-
00002 AT&T MOBILITY	287273578351	00175404	17000289	WIRELESS BILLING 10/17 PK/REC	12/15/17	261334	251.24-
00002 AT&T MOBILITY	287273578351	00175660	17000318	WIRELESS SERV 11/17 PKS/REC	12/15/17	261334	251.24-

AT&T MOBILITY							502.48-
Sum							600.00-
00002 BLUE DOLPHIN POOL	30609	00175483	17000301	FOUNTAIN SERVS VARI LOC	12/15/17	261344	-----
BLUE DOLPHIN POOL							
Sum							600.00-
00002 BRACKMAN MOWER WAREHOUSE	35419	00175383	17000298	WEEDEATER PTS/OIL MIX	12/15/17	261348	337.60-

BRACKMAN MOWER WAREHOUSE							337.60-
Sum							112.56-
00002 CARQUEST AUTO PARTS STOR	14758-100469	00175384	17000295	BRAKE FLUID GRNDS MAINT	12/15/17	261354	24.65-
00002 CARQUEST AUTO PARTS STOR	14758-100571	00175444	17000296	REPR PTS U#9213 TRUCK	12/15/17	261354	335.28-
00002 CARQUEST AUTO PARTS STOR	14758-100730	00175488	17000312	ANTIFREEZE GRNDS MAINT UNITS	12/15/17	261354	-----
CARQUEST AUTO PARTS STOR							
Sum							472.49-
00002 CINTAS CORPORATION #J66	J66562246	00175435	17000277	MATS 11/13 GRNDS MAINT	12/15/17	261367	4.95-
00002 CINTAS CORPORATION #J66	J66563026	00175435	17000278	MATS 11/20 GRNDS MAINT	12/15/17	261367	4.95-
00002 CINTAS CORPORATION #J66	JU66563809	00175435	17000279	MATS 11/27 GRNDS MAINT	12/15/17	261367	4.95-
00002 CINTAS CORPORATION #J66	J66562247	00175435	17000280	UNIFORMS 11/13 GRNDS MAINT	12/15/17	261367	133.95-
00002 CINTAS CORPORATION #J66	J66563027	00175435	17000281	UNIFORMS 11/20 GRNDS MAINT	12/15/17	261367	140.95-
00002 CINTAS CORPORATION #J66	J66563810	00175435	17000282	UNIFORMS 11/27 GRNDS MAINT	12/15/17	261367	131.67-

CINTAS CORPORATION #J66							421.42-
Sum							63,514.22-
00002 CITY OF HATTIESBURG FUND TRF 1ST 12/1	02018183	17000288	TRF 1ST 12/17	PAYROLL	12/06/17	311684	

CITY OF HATTIESBURG FUND								-----
Sum								63,514.22-
00002	CLEMTS	HARDWARE	119356	00175270	17000269	FLAG POLE ROPE	12/15/17 261372	40.95-
00002	CLEMTS	HARDWARE	119415	00175372	17000299	TIE DOWN STRAPS/GAS CAPS	12/15/17 261372	211.88-

CLEMTS HARDWARE								
Sum								252.83-
00002	COMMERCIAL	STATIONERY CO	407213-0	00175351	17000271	MOVING BOXES MCNAIR CENTER	12/15/17 261376	56.45-

COMMERCIAL STATIONERY CO								
Sum								56.45-
00002	ELKINS	WHOLESALE INC	332553-00	00175380	17000293	JANIT SUPP GRNDS MAINT	12/15/17 261385	317.19-

ELKINS WHOLESALE INC								
Sum								317.19-
00002	GLOBAL	SECURITY COMPANY	10177	00175361	17000272	SECURITY 10/17 ADLT/YTH GAMES	12/15/17 261404	1,420.00-
00002	GLOBAL	SECURITY COMPANY	10181	00175363	17000273	SECURITY 11/17 ADULT SOFTBALL	12/15/17 261404	400.00-

GLOBAL SECURITY COMPANY								
Sum								1,820.00-
00002	GROSS, ALLISON	(REFUND) TIGERS BSKTB	02018184	17000291	TIGERS BSKTBALL REF#68671		12/15/17 261409	90.00-

GROSS, ALLISON (REFUND)								
Sum								90.00-
00002	H'BURG	CONVENTION & VISI	PO#170951 6/	00170951	17000313	FOOD SENIOR FAIR 7/11/17	12/15/17 261412	2,000.00-

H'BURG CONVENTION & VISI								
Sum								2,000.00-
00002	LAMAR	AUTO SALVAGE INC	580615	00174834	17000290	RPLCMNT PTS U#9213 TRUCK	12/15/17 261432	265.00-

LAMAR AUTO SALVAGE INC								
Sum								265.00-
00002	LANCASTER'S	MACHINE & WE	23348	00174954	17000287	TRAILER FLOOR REPR U#17050	12/15/17 261434	705.00-
00002	LANCASTER'S	MACHINE & WE	23366	00175414	17000300	TAILGATE REPR U#19534 TRAILER	12/15/17 261434	135.00-

LANCASTER'S MACHINE & WE								
Sum								840.00-
00002	LOWE'S OF	HATTIESBURG IN	936387	00175086	17000285	CHRISTMAS DECOR TREE LIGHTING	12/15/17 261438	426.90-
00002	LOWE'S OF	HATTIESBURG IN	994050	00175040	17000286	BLDG MATLS KP BRIDGE REPAIR	12/15/17 261438	837.87-

LOWE'S OF HATTIESBURG IN								
Sum								1,264.77-
00002	MS	POWER COMPANY	12/17 PKS/RE	00020185	17000315	MNTHLY ELEC-PARKS & REC	12/15/17 261453	1,497.85-

MS POWER COMPANY								
Sum								1,497.85-
00002	NEEL-SCHAFFER	INC	1048131 PH 3	00175484	17000302	SRVS 10/17 TATUM SOCCER LITES	12/15/17 261459	1,703.20-
00002	NEEL-SCHAFFER	INC	1048131 PH 3	00175485	17000303	SRV 10/17 SULLIVAN PAVILION	12/15/17 261459	1,234.36-

NEEL-SCHAFFER INC								
Sum								2,937.56-

00002 PEANUTS TOWING SERVICE	76842	00175338 17000270 TOWING U#8937 TRUCK	12/15/17	261466	75.00-
00002 PEANUTS TOWING SERVICE	77147	00175507 17000309 TOWING U#9213 TRUCK	12/15/17	261466	75.00-

PEANUTS TOWING SERVICE					
Sum					150.00-
00002 PLAY IT AGAIN SPORTS	PO#174744 12	00174744 17000292 T SHIRTS ADULT SB FALL 2017	12/15/17	261476	3,186.00-

PLAY IT AGAIN SPORTS					
Sum					3,186.00-
00002 SOUTHERN MS PINE STRAW	10833	00175526 17000316 PINE STRAW CITY WIDE USE	12/15/17	261506	82.50-

SOUTHERN MS PINE STRAW					
Sum					82.50-
00002 SOUTHERN ON SITE STORAGE	58355	00175219 17000311 PORTALETS TOWN SQ VARI EVENTS	12/15/17	261507	340.00-

SOUTHERN ON SITE STORAGE					
Sum					340.00-
00002 SOUTHERN TIRE MART #9 (M 9027311		00175399 17000297 TIRES U#14127 TRUCK	12/15/17	261509	267.90-
00002 SOUTHERN TIRE MART #9 (M 9024828		00175490 17000305 TIRES U#18866 MOWER	12/15/17	261509	42.87-

SOUTHERN TIRE MART #9 (M					
Sum					310.77-
00002 SPEEDY PRINTING & SIGNS	24697	00175245 17000307 LABELS FOR MOWERS	12/15/17	261514	60.00-
00002 SPEEDY PRINTING & SIGNS	24725	00175387 17000308 LABELS FOR EQUIPMENT	12/15/17	261514	45.00-

SPEEDY PRINTING & SIGNS					
Sum					105.00-
00002 SPIRE ENERGY	12/17 PKS/RE	00020185 17000314 MNTHLY GAS-PARKS & REC	12/15/17	261515	204.32-

SPIRE ENERGY					
Sum					204.32-
00002 SPORTS ILLUSTRATED PLAY	370622	00175440 17000284 REG FEES 11/17 BASKETBALL	12/15/17	261516	728.17-

SPORTS ILLUSTRATED PLAY					
Sum					728.17-
00002 TRUCKS PLUS AUTO ACCESSO	37424	00174504 17000306 REPR PTS U#17050/18597 TRLRS	12/15/17	261530	120.00-

TRUCKS PLUS AUTO ACCESSO					
Sum					120.00-
00002 TURNER, JASON	PO#174596	00174596 17000310 SOUND SYS TREE LIGHTING 11/30	12/15/17	261531	650.00-

TURNER, JASON					
Sum					650.00-
00002 VESELY'S NURSERY	PO #174491	00174491 17000274 POINSETTIAS TREE LIGHTING	12/15/17	261539	284.00-

VESELY'S NURSERY					
Sum					284.00-

00002 WATER FLOW PRODUCTIONS I 10402	00174807 17000317 SPRINKLER REPR DAHMER FLD#2	12/15/17	261549	320.00-

WATER FLOW PRODUCTIONS I				320.00-
Sum				-----
Sum				84,399.92-

DOCKET OF CLAIMS

PERIOD ENDING DECEMBER 15, 2017

Date

- 12/13/17

Vendor

Invoice
Number

Purchase Order

Claims
Number

Item	Description
------	-------------

Check
Date

Check
No.

Check
Amount

HATT.MUNICIPAL FIRE PROTECTION

00005 NAFECO-NORTH AMERICA FIR 898561

00174177 17000021 FIREFIGHTING BUNKER GEAR

12/15/17

261456

7,828.00-

00005 NAFECO-NORTH AMERICA FIR 904119

00174177 17000022 FIREFIGHTING BUNKER GEAR

12/15/17

261456

3,926.00-

NAFECO-NORTH AMERICA FIR

Sum

11,754.00-

00005 TRUSTMARK NATIONAL BANK/ A/C#27335025 02018177 17000020 FIRE TRUCK LEASE NOTE #22568

12/05/17

22076

16,377.37-

00005 TRUSTMARK NATIONAL BANK/ A/C#28401107 02018191 17000023 FIRE TRUCK LEASE NOTE 33523

12/13/17

22078

14,340.60-

TRUSTMARK NATIONAL BANK/

Sum

30,717.97-

Sum

42,471.97-

Date - 12/13/17

Check
Amount

5,968.26-

5,968.26-

5,968.26-

CITY OF HATTIESBURG

DOCKET OF CLAIMS

Date - 12/13/17

PERIOD ENDING DECEMBER 15, 2017

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATER & SEWER OPERATION/MAINT.							
00009 ADVANCED JANITORIAL SERV	101179	WTR B	00175345	17000276	SERVS 11/18 WTR BILLING OFFC	12/15/17	261319 495.00-
00009 ADVANCED JANITORIAL SERV	101173		00175578	17000326	CLEAN CARPET WTR BILLING OFFC	12/15/17	261319 175.00-

ADVANCED JANITORIAL SERV							
Sum							670.00-
00009 ALLBRITTON CHAIN SAW & L	53931		00175335	17000285	MIX/BAR OIL SEWER STOCK	12/15/17	261324 117.66-

ALLBRITTON CHAIN SAW & L							
Sum							117.66-
00009 AT&T MOBILITY	287273578351		00175404	17000290	WIRELESS BILLING 10/17 W&SO&M	12/15/17	261334 569.29-
00009 AT&T MOBILITY	287273861504		00175546	17000322	GPS TRACKING 10/17 WTR PLANT	12/15/17	261334 234.60-
00009 AT&T MOBILITY	287273578351		00175660	17000336	WIRELESS SERV 11/17 W&SO&M	12/15/17	261334 492.88-

AT&T MOBILITY							
Sum							1,296.77-
00009 AUTOMOTIVE GLASS SPECIAL	I219099		00174809	17000293	WINDSHIELD U#20108 PLANT	12/15/17	261336 245.00-

AUTOMOTIVE GLASS SPECIAL							
Sum							245.00-
00009 BENNETT'S LOCK & KEY SHO	65606		00174201	17000284	MASTER LOCKS PLANT #2	12/15/17	261338 440.00-

BENNETT'S LOCK & KEY SHO							
Sum							440.00-
00009 BONNER ANALYTICAL TESTIN	64740		00175420	17000287	NPDES MONITORING 11/17	12/15/17	261346 885.82-
00009 BONNER ANALYTICAL TESTIN	64772		00175502	17000308	SAMPLES BLACKWELL RD/HWY 49N	12/15/17	261346 159.00-

BONNER ANALYTICAL TESTIN							
Sum							1,044.82-
00009 CARQUEST AUTO PARTS STOR	14758-100603		00175457	17000306	REPR PTS U#13080 TRANS	12/15/17	261354 38.45-

CARQUEST AUTO PARTS STOR							
Sum							38.45-
00009 CENTRAL PIPE SUPPLY INC	S100122527.0		00175304	17000329	WTR METERS/BOXES TRANS DEPT	12/15/17	261356 4,905.60-

CENTRAL PIPE SUPPLY INC							
Sum							4,905.60-
00009 CERTIFIED LABORATORIES	2891996		00173957	17000330	CHEMICALS SEWER DEPT	12/15/17	261357 9,390.00-

CERTIFIED LABORATORIES							
Sum							9,390.00-
00009 CINTAS CORPORATION #J66	J66562824		00175350	17000280	UNIFORMS 11/16 WTR SERV MEN	12/15/17	261367 28.74-
00009 CINTAS CORPORATION #J66	J66563606		00175350	17000281	UNIFORMS 11/23 WTR SERV MEN	12/15/17	261367 28.74-
00009 CINTAS CORPORATION #J66	J66563821		00175454	17000296	UNIFORMS 11/27 TRANS	12/15/17	261367 93.48-
00009 CINTAS CORPORATION #J66	J66563822		00175454	17000297	MOP/MAT 11/27 PLANT	12/15/17	261367 13.93-
00009 CINTAS CORPORATION #J66	J66563821		00175454	17000298	UNIFORMS 11/27 PLANT	12/15/17	261367 41.21-

00009	CINTAS CORPORATION #J66	J66563821	00175454	17000299	UNIFORMS 11/27 SEWER	12/15/17	261367	47.80-
00009	CINTAS CORPORATION #J66	J66563821	00175454	17000300	UNIFORMS 11/27 LAGOON	12/15/17	261367	28.06-
00009	CINTAS CORPORATION #J66	J66564594	00175459	17000301	UNIFORMS 12/04 TRANS	12/15/17	261367	86.48-
00009	CINTAS CORPORATION #J66	J66564595	00175459	17000302	MOP/MAT 12/04 PLANT	12/15/17	261367	13.93-
00009	CINTAS CORPORATION #J66	J66564594	00175459	17000303	UNIFORMS 12/04 PLANT	12/15/17	261367	41.21-
00009	CINTAS CORPORATION #J66	J66564594	00175459	17000304	UNIFORMS 12/04 SEWER	12/15/17	261367	47.80-
00009	CINTAS CORPORATION #J66	J66564594	00175459	17000305	UNIFORMS 12/04 LAGOON	12/15/17	261367	20.06-

CINTAS CORPORATION #J66								
Sum								491.44-
00009	CITY OF HATTIESBURG FUND	TRF 1ST 12/1	02018183	17000289	TRF 1ST 12/17 PAYROLL	12/06/17	22077	94,191.53-

CITY OF HATTIESBURG FUND								
Sum								94,191.53-
00009	CONTROL SYSTEMS INC	54828	00175463	17000292	REPRS WELL #2 PLT #1	12/15/17	261378	609.68-
00009	CONTROL SYSTEMS INC	54841	00175464	17000319	ELEC REPRS NORTH LAGOON	12/15/17	261378	380.66-

CONTROL SYSTEMS INC								
Sum								990.34-
00009	DIXIE COMMUNITY UTILITY	SEWER BILLIN	00175340	17000277	SEWER BILLING 11/17	12/15/17	261381	391.50-

DIXIE COMMUNITY UTILITY								
Sum								391.50-
00009	EXCEL INDUSTRIES INC	1827511	00174581	17000324	HUSTLER MOWER WTR PLANT	12/15/17	261391	9,832.37-

EXCEL INDUSTRIES INC								
Sum								9,832.37-
00009	GARNER LUMLEY ELECTRIC S	543971	00175131	17000283	ELEC SUPP 63RD AVE LIFT STA	12/15/17	261402	423.82-

GARNER LUMLEY ELECTRIC S								
Sum								423.82-
00009	GILLILANDS ELECTRONICS S	65482	00175346	17000279	CHECK OUT CREDIT CARD MACHINE	12/15/17	261403	75.00-

GILLILANDS ELECTRONICS S								
Sum								75.00-
00009	GREEN, JEFFERY	TRAVEL REIMB	00175661	17000337	EXPNS ELEC MAINT CRSE FLA	12/15/17	261407	136.00-

GREEN, JEFFERY								
Sum								136.00-
00009	HARBOR FREIGHT	824332	00175087	17000291	HAND TOOLS WTR BILLING OFFICE	12/15/17	261413	187.97-

HARBOR FREIGHT								
Sum								187.97-
00009	HATTIESBURG HYDRAULICS I	72215	00175509	17000331	REPRS U#13176 SEWER	12/15/17	261415	1,436.77-

HATTIESBURG HYDRAULICS I								
Sum								1,436.77-
00009	INDUSTRIAL ELECTRIC MOTO	RI-10353	00175151	17000282	MOTOR REPR WELL #5 PLT #2	12/15/17	261421	1,867.44-

INDUSTRIAL ELECTRIC MOTO								
Sum								1,867.44-
00009	JACKSON, ROOSEVELT III	531993	00175273	17000323	PAINT/REPR 2ND FLR WTR PLT #2	12/15/17	261425	3,895.00-

JACKSON, ROOSEVELT III								
Sum								3,895.00-
00009	L & A CONTRACTING CO	483-096	00175470	17000295	AERATOR MNT 11/20-12/3 LAGNS	12/15/17	261431	29,946.18-

L & A CONTRACTING CO								
Sum								29,946.18-
00009	MITCHELL TOOL SALES & SE	99091	00174973	17000316	HAND TOOLS TRANS DEPT	12/15/17	261451	1,312.33-

MITCHELL TOOL SALES & SE								
Sum								1,312.33-
00009	MS POWER COMPANY	12/17 W&SO&M	00020185	17000334	MNTHLY ELEC-W&SO&M	12/15/17	261453	32,408.25-

MS POWER COMPANY								
Sum								32,408.25-
00009	NEWELL PAPER COMPANY	4015781	00175250	17000288	PAPER TOWELS WTR BILLING OFFC	12/15/17	261460	76.14-

NEWELL PAPER COMPANY								
Sum								76.14-
00009	PEARL RIVER VALLEY EPA (	12/17 W&SO&M	00020185	17000333	MNTHLY 12/17 PUBLIC SERVICES	12/15/17	261468	9,194.08-

PEARL RIVER VALLEY EPA (								
Sum								9,194.08-
00009	PINE BELT INDUSTRIAL SUP	4156877-01	00174972	17000320	BELTS GREEN HUT LIFT STA	12/15/17	261472	106.44-

PINE BELT INDUSTRIAL SUP								
Sum								106.44-
00009	RAWLS SPRINGS UTILITY DI	112017	00175341	17000278	SEWER BILLING 11/17	12/15/17	261483	190.00-

RAWLS SPRINGS UTILITY DI								
Sum								190.00-
00009	RICOH CORP	5051355165 W	00175656	17000335	PRODUCTION PRINTER CHARGES	12/15/17	261487	100.93-

RICOH CORP								
Sum								100.93-
00009	RJM MCQUEEN CONTRACTING	1371	00175510	17000309	SWR REPR NORTH PUMP STATION	12/15/17	261489	15,925.37-
00009	RJM MCQUEEN CONTRACTING	1372	00175510	17000310	SWR REPR TURTLE CREEK STA	12/15/17	261489	39,192.50-
00009	RJM MCQUEEN CONTRACTING	1373	00175510	17000311	SWR REPR LAGOON PUMP STA	12/15/17	261489	8,883.15-
00009	RJM MCQUEEN CONTRACTING	1374	00175510	17000312	SWR REPR MAYWOOD/NELLWOOD	12/15/17	261489	10,629.40-
00009	RJM MCQUEEN CONTRACTING	1375	00175510	17000313	SWR REPR NEW ORLEANS/8TH	12/15/17	261489	12,014.90-
00009	RJM MCQUEEN CONTRACTING	1376	00175510	17000314	SWR REPR SCOوبا/CORRINE	12/15/17	261489	7,321.00-
00009	RJM MCQUEEN CONTRACTING	1377	00175510	17000315	SWR REPR WATER PLANT	12/15/17	261489	6,860.00-
00009	RJM MCQUEEN CONTRACTING	1382	00175581	17000328	11/17 PUMPING	12/15/17	261489	16,295.35-

RJM MCQUEEN CONTRACTING								
Sum								117,121.67-
00009	SCOGGINS PUMP REPAIR	10818	00174212	17000321	REPRS YEAST PLANT STATION	12/15/17	261497	9,663.00-

SCOGGINS PUMP REPAIR								
Sum								9,663.00-
00009	SOUTHERN TIRE MART LLC	11134359	00173021	17000317	REPR PTS U#20054 SEWER	12/15/17	261510	185.00-

SOUTHERN TIRE MART LLC						
Sum						185.00-
00009 SOUTHERN WATERWORKS SUPP 72706	00175221 17000325 PLUMB SUPP SEWER STOCK	12/15/17	261511			1,798.11-

SOUTHERN WATERWORKS SUPP						
Sum						1,798.11-
00009 SPIRE ENERGY	12/17 W&SO&M 00020185 17000332 MNTHLY GAS-W&SO&M	12/15/17	261515			382.92-

SPIRE ENERGY						
Sum						382.92-
00009 STANDARD OFFICE SUPPLY C 0073971-001	00175301 17000307 OFFICE SUPP WTR PLANTS	12/15/17	261517			218.73-

STANDARD OFFICE SUPPLY C						
Sum						218.73-
00009 STRIBLING EQUIPMENT CO L CS006094980:	00175329 17000294 FILTERS U#18897 SEWER	12/15/17	261521			41.20-

STRIBLING EQUIPMENT CO L						
Sum						41.20-
00009 TRUCKPRO INC	039-0634179 00172980 17000318 REPR PTS U#15916 SEWER	12/15/17	261529			21.89-

TRUCKPRO INC						
Sum						21.89-
00009 WATER COMPANY OF AMERICA INVOICE #1	00175592 17000327 50% SHARE ADDL WTR REVENUE	12/15/17	261548			2,198.72-

WATER COMPANY OF AMERICA						
Sum						2,198.72-

Sum						337,033.07-

CITY OF HATTIESBURG

DOCKET OF CLAIMS

Date

- 12/13/17

PERIOD ENDING DECEMBER 15, 2017

Vendor

Invoice
NumberPurchase
OrderClaims
NumberItem
DescriptionCheck
DateCheck
No.Check
AmountWATER & SEWER B & I
00010 PEOPLES BANK

8532

02018186 17000001 AGENET FEES '15 W&S G/O

12/07/17

311687

2,000.00-

PEOPLES BANK
Sum

2,000.00-

Sum

2,000.00-

00011 FANT, GAIL R	WTR OVRPMT R 02018174 17000216 WTR OVRPMT RFD	12/15/17	261393	613.30-
FANT, GAIL R				-----
Sum				613.30-
00011 GREENE, MAXWELL	METER DEP RF 02018164 17000200 METER DEP RFD	12/15/17	261408	43.00-
GREENE, MAXWELL				-----
Sum				43.00-
00011 HARPER, ERIKA	METER DEP RF 02018164 17000196 METER DEP RFD	12/15/17	261414	9.80-
HARPER, ERIKA				-----
Sum				9.80-
00011 HENDRY, JAMES	METER DEP RF 02018164 17000193 METER DEP RFD	12/15/17	261416	24.40-
HENDRY, JAMES				-----
Sum				24.40-
00011 LAMAR PROP300	WTR OVRPMT R 02018174 17000215 WTR OVRPMT RFD	12/15/17	261433	98.00-
LAMAR PROP300				-----
Sum				98.00-
00011 LUBRITZ, DEBORAH	METER DEP RF 02018175 17000212 METER DEP RFD	12/15/17	261439	24.40-
LUBRITZ, DEBORAH				-----
Sum				24.40-
00011 MCKEE, CATHERINE ANN	METER DEP RF 02018164 17000206 METER DEP RFD	12/15/17	261445	75.00-
MCKEE, CATHERINE ANN				-----
Sum				75.00-
00011 MT OLIVE BAPTIST CH (FEL	METER DEP RF 02018175 17000209 METER DEP RFD	12/15/17	261454	40.00-
MT OLIVE BAPTIST CH (FEL				-----
Sum				40.00-
00011 NICHOLS, TAIWANDA	METER DEP RF 02018175 17000211 METER DEP RFD	12/15/17	261461	7.80-
NICHOLS, TAIWANDA				-----
Sum				7.80-
00011 OHEN PROPERTIES LL C	METER DEP RF 02018164 17000204 METER DEP RFD	12/15/17	261464	24.40-
OHEN PROPERTIES LL C				-----
Sum				24.40-
00011 PETER, JACOB	METER DEP RF 02018175 17000208 METER DEP RFD	12/15/17	261469	26.00-
PETER, JACOB				-----
Sum				26.00-
00011 RUSSAKOVSKY LUBOV	METER DEP RF 02018164 17000191 METER DEP RFD	12/15/17	261492	24.40-
RUSSAKOVSKY LUBOV				-----
Sum				24.40-
00011 SANDERS, SUSAN3	METER DEP RF 02018164 17000195 METER DEP RFD	12/15/17	261494	24.40-
SANDERS, SUSAN3				-----

Sum									24.40-
00011	SANDY RUN LAKE ESTATES	WTR OVRPMT R	02018174	17000214	WTR OVRPMT RFD		12/15/17	261495	6,237.08-

SANDY RUN LAKE ESTATES									
Sum									6,237.08-
00011	SMITH DELOIS LEWIS 601	METER DEP RF	02018175	17000207	METER DEP RFD		12/15/17	261502	75.00-

SMITH DELOIS LEWIS 601									
Sum									75.00-
00011	SOUTHGATE REALITY SVN 37	METER DEP RF	02018164	17000201	METER DEP RFD		12/15/17	261512	75.00-

SOUTHGATE REALITY SVN 37									
Sum									75.00-
00011	SWEET PEPPERS DELI	METER DEP RF	02018164	17000189	METER DEP RFD		12/15/17	261522	116.88-

SWEET PEPPERS DELI									
Sum									116.88-
00011	THE PINE CREEK LLC	METER DEP RF	02018164	17000203	METER DEP RFD		12/15/17	261524	75.00-

THE PINE CREEK LLC									
Sum									75.00-
00011	TWO ROADS LLC	METER DEP RF	02018164	17000198	METER DEP RFD		12/15/17	261533	75.00-

TWO ROADS LLC									
Sum									75.00-

Sum									210,874.06-

Date - 12/13/17

Vendor

Invoice
Number

Purchase Order

Claims
Number

Item	Description
------	-------------

Check
Date

Check
No.

Check
Amount

CITY B & I

00013 HANCOCK BANK CORP TRUST 10 GO RFDG P 02018181 17000003 HATTIESGO710

12/05/17

112371

54,550.00-

HANCOCK BANK CORP TRUST

Sum

54,550.00-

00013 THE PEOPLES BANK

8529

02018185 17000004 PA FEES '07 GO REF

12/07/17

112374

2,300.00-

THE PEOPLES BANK

Sum

2,300.00-

Sum

56,850.00-

PERIOD ENDING DECEMBER 15, 2017

Date _____

- 12/13/17

Vendor

Invoice
Number

Purchase Order

Claims
Number

Item	Description
------	-------------

Check
Date

Check
No.

Check
Amount

POLICE FORFEITURES FUND

00019 OFFICE PRODUCTS PLUS

812400-0 (A)

00174992

17000018

OFFICE SUPPLIES

12/15/17

261463

515.55-

OFFICE PRODUCTS PLUS

Sum

00019 REGIONS CARDHOLDER SERVI 7079 11/30/1 00174636 17000019 REG MURRAY/JACKSON/DOBBINS

12/15/17

261485

515.55-

375.00-

00019 REGIONS CARDHOLDER SERVI 7079 11/30/1 00174730 17000020 SNACKS AFTER SCHOOL PROGRAM

12/15/17

261485

1,474.03-

REGIONS CARDHOLDER SERVI

Sum

1,849.03-

Sum

2,364.58-

CITY OF HATTIESBURG

DOCKET OF CLAIMS

Date - 12/13/17

PERIOD ENDING DECEMBER 15, 2017

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
TAX COLLECTOR'S FUND							
00027 LIBRARY, THE	11/17 MILLAG	02018165	17000025	11/17 MILLAGE DIST 12/17	12/04/17	311674	5,316.41-

LIBRARY, THE							5,316.41-
Sum							-----
							5,316.41-
Sum							-----

Date - 12/13/17

Vendor

Invoice
Number

Purchase Order

Claims
Number

Item	Description
------	-------------

Check
Date

Check
No.

Check
Amount

2016 TIF B&I-HBRG CLINIC MIDTN

00028	HATTIESBURG CLINIC	PA	(T 12/01/17	02018182	17000001	DEBT SERV	HBURG CLINIC	MIDTOWN	12/05/17	112370	75,285.12-
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00028	HATTIESBURG CLINIC	PA	(T 12/01/17	02018182	17000001	DEBT SERV	HBURG CLINIC	MIDTOWN	12/05/17	112370	75,285.12
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00028	HATTIESBURG CLINIC	PA	(T 12/1/17	02018187	17000002	DEBT	SERV	HBURG CLINIC	MIDTOWN	12/07/17	112375	76,045.12-
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HATTIESBURG CLINIC PA (T

Sum	76,045.12-
-----	------------

Sum	76,045.12-
-----	------------

CITY OF HATTIESBURG

DOCKET OF CLAIMS

Date

- 12/13/17

PERIOD ENDING DECEMBER 15, 2017

Vendor

Invoice
NumberPurchase
OrderClaims
NumberItem
DescriptionCheck
DateCheck
No.Check
AmountAIRPORT IMPROVEMENT FUND
00039 ARE CONSULTANTS INC

170428

00175579

17000011

ARV 10/21-12/8 AIRPT TAXIWAY

12/15/17

261329

7,044.58-

ARE CONSULTANTS INC
Sum

7,044.58-

Sum

7,044.58-

CITY OF HATTIESBURG

DOCKET OF CLAIMS

Date

- 12/13/17

PERIOD ENDING DECEMBER 15, 2017

Vendor

Invoice
NumberPurchase
OrderClaims
NumberItem
DescriptionCheck
DateCheck
No.Check
AmountMUNICIPAL ROAD & BRIDGE
00072 WALKER ASSOCIATES

9187

00175643

17000025

SRVS HBRG CLINIC ACCESS ROAD

12/15/17

261544

1,940.05-

WALKER ASSOCIATES

Sum

1,940.05-

00072 WARREN PAVING INC

EST#2 HBRG C 00175642 17000026 SRVS HBRG CLINIC ACCESS ROAD

12/15/17

261545

58,016.92-

WARREN PAVING INC

Sum

58,016.92-

Sum

59,956.97-

00073 WATERS INTERNATIONAL TRU 08S514645	00175355 17000079 REPRS U#18572 BUS	12/15/17	261550	1,826.22-

WATERS INTERNATIONAL TRU				
Sum				1,826.22-

Sum				54,783.89-

CITY OF HATTIESBURG

DOCKET OF CLAIMS

Date - 12/13/17

PERIOD ENDING DECEMBER 15, 2017

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
COMMUNITY CENTERS' FUND							
00077 ANDREWS, BEVERLY (REFUND MCNAIR CENTE	287273578351	00175404	17000101	DAMAGE DEPOSIT REFUND	12/15/17	261327	100.00-

ANDREWS, BEVERLY (REFUND							100.00-
Sum							100.00-
00077 AT&T MOBILITY	287273578351	00175404	17000094	WIRELESS BILL 10/17 COMM CNTR	12/15/17	261334	60.81-
00077 AT&T MOBILITY	287273578351	00175660	17000114	WIRELESS SERV 11/17 COMM CTRS	12/15/17	261334	61.31-

AT&T MOBILITY							122.12-
Sum							100.00-
00077 CHANDLER, AUDREY (REFUND SIGLER CENTE	02018194	17000106	DAMAGE DEPOSIT REFUND	12/15/17	261358		100.00-

CHANDLER, AUDREY (REFUND							100.00-
Sum							100.00-
00077 CINTAS CORPORATION #J66	J66561024	00175631	17000107	UNIFORMS 11/01 COMM CNTRS	12/15/17	261367	52.59-
00077 CINTAS CORPORATION #J66	J66561800	00175631	17000108	UNIFORMS 11/08 COMM CNTRS	12/15/17	261367	136.20-
00077 CINTAS CORPORATION #J66	J66562579	00175631	17000109	UNIFORMS 11/15 COMM CNTRS	12/15/17	261367	47.90-
00077 CINTAS CORPORATION #J66	J66563365	00175631	17000110	UNIFORMS 11/22 COMM CNTRS	12/15/17	261367	47.90-
00077 CINTAS CORPORATION #J66	J66564146	00175631	17000111	UNIFORMS 11/29 COMM CNTRS	12/15/17	261367	55.70-

CINTAS CORPORATION #J66							340.29-
Sum							21,369.20-
00077 CITY OF HATTIESBURG FUND TRF 1ST 12/1	02018183	17000093	TRF 1ST 12/17 PAYROLL	12/06/17	311684		21,369.20-

CITY OF HATTIESBURG FUND							21,369.20-
Sum							85.56-
00077 ELKINS WHOLESALE INC	331955-00	00175239	17000096	JANIT SUPP COMM CENTERS	12/15/17	261385	85.56-
00077 ELKINS WHOLESALE INC	331955-01	00175239	17000097	JANIT SUPP COMM CENTERS	12/15/17	261385	85.56-

ELKINS WHOLESALE INC							171.12-
Sum							255.00-
00077 ESSCO HEATING AND A/C	35413	00175453	17000092	A/C REPR SHERRILL UPSTAIRS	12/15/17	261390	255.00-

ESSCO HEATING AND A/C							255.00-
Sum							100.00-
00077 FREEMAN, ANGEL (REFUND) SHERRILL CEN	02018194	17000102	DAMAGE DEPOSIT REFUND	12/15/17	261396		100.00-

FREEMAN, ANGEL (REFUND)							100.00-
Sum							100.00-
00077 FREEMAN, CATHERINE (REFU CE ROY CENTE	02018194	17000099	DAMAGE DEPOSIT REFUND	12/15/17	261397		100.00-

FREEMAN, CATHERINE (REFU							100.00-
Sum							100.00-
00077 JACKSON, LATOYA (REFUND) SHERRILL CEN	02018194	17000105	DAMAGE DEPOSIT REFUND	12/15/17	261424		100.00-

JACKSON, LATOYA (REFUND)							

Date - 12/13/17

Vendor

Invoice
Number

Purchase Order

Claims
Number

Item	Description
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Check
Date

Check
No.

Check
Amount

COMMUNITY DEVELOP. BLOCK GRANT

00082 CITY OF HATTIESBURG FUND TRF 1ST 12/1 02018183 17000022 TRF 1ST 12/17 PAYROLL

12/06/17

311685

5,919.25-

CITY OF HATTIESBURG FUND

Sum

00082 MAC PAPERS

390100

00175130 17000021 ENVELOPES

12/15/17

261441

5,919.25-

11.62-

MAC PAPERS

Sum

11.62-

Sum

5,930.87-

Grand Total Level

Sum

3,029,187.88-



City of Hattiesburg, MS

200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401

Master

File Number: 2017-932

File ID: 2017-932

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 12/12/2017

Brief Title: Acknowledge receipt of deeds and documents required for the 28th Avenue Bridge project and authorize payment.

Final Action:

Minute Book Number: MB2017-488

Title:

Acknowledge receipt of deeds and other documents listed below for the 28th Avenue Bridge project; authorize issuance of manual check or checks as required for closing on said properties.

Bennett V. York	Parcel No. 2-039J-20-093.00/094.00	Special Warranty Deed
Bennett V. York	Parcel No. 2-039J-20-093.00/094.00	Partial release of Mortgages
Mimosa LLC	Parcel No. 2-039K-019-014.00	Warranty Deed
Custom Services Corporation	Parcel No. 2-039J-020-097.00	Special Warrant
Deed		

Notes:

Agenda Date: 12/19/2017

Indexes:

Agenda Number: VI.-10

Sponsors:

Enactment Date:

Attachments: Signed Partial Release.York, Signed SWD.Custom Srvcs.1, Signed SWD.York.1, Signed WD.Mimosa.1

Enactment Number:

Contact:

Meeting Date: 12/19/2017

Drafter: Sharon Waits

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	12/18/2017					
1	City Council	12/19/2017					

Text of Legislative File 2017-932

Title

Acknowledge receipt of deeds and other documents listed below for the 28th Avenue Bridge project; authorize issuance of manual check or checks as required for closing on said properties.

Bennett V. York	Parcel No. 2-039J-20-093.00/094.00	Special Warranty Deed
Bennett V. York	Parcel No. 2-039J-20-093.00/094.00	Partial release of Mortgages
Mimosa LLC	Parcel No. 2-039K-019-014.00	Warranty Deed
Custom Services Corporation	Parcel No. 2-039J-020-097.00	Special Warrant Deed

Summary

Acknowledge receipt of deeds and documents required for the 28th Avenue Bridge project and authorize payment.

Budget Information

072201.7210.02

Prepared by:
Pittman Law Firm
Post Office Drawer 17138
Hattiesburg, MS 39404-7138
Telephone: (601) 264-3314
Facsimile: (601) 261-3411

Grantor Address:
Bennett V. York
P.O. Box 16615
Hattiesburg, MS 39404
Telephone: (601) 264-0403

**PARTIAL RELEASE OF MORTGAGES AND
ASSIGNMENTS OF LEASES AND RENTS**

INDEXING INSTRUCTIONS: Lot 1, Block B, Woodshire Subdivision, City
of Hattiesburg, Forrest County, Mississippi.

STATE OF MISSISSIPPI

COUNTY OF FORREST

FOR VALUE RECEIVED, the undersigned hereby releases from the lien of those certain Deeds of Trust and Assignments of Rents and Leases dated November 17, 2008; November 17, 2008; and June 19, 2014; executed by Bennett V. York, in favor of the Citizens Bank of Philadelphia, which said instruments are of record in the office of the Clerk of the Chancery Court of Forrest County, Mississippi in Deed of Trust Book 1670 at Page 299 and re-recorded in Deed of Trust Book 1675 at Page 100; Deed of Trust Book 1670 at Page 323 and re-recorded in Deed of Trust Book 1675 at Page 111; Deed of Trust Book 1965 at Page 129; Deed of Trust Book 1670 at Page 310 and re-recorded in Deed of Trust Book 1675 at Page 123; Deed of Trust Book 1670 at Page 335 and re-recorded in Deed of Trust Book 1675 at Page 136; and Deed of Trust Book 1965 at Page 145 of the Records of Mortgages and Deeds of Trust on Land, the following described lands on the South 28th Avenue Bridge Replacement Project for Bridge Number SA18-157, Project No. 11204:

The following description is based on the Mississippi State Plane Coordinate System Grid for the East Zone, NAD 83(93), as developed for the City of Hattiesburg South 28th Avenue Bridge Replacement Project for Bridge No. SA18-157, Project No. 11204.

A part of Lot 1 of Block B of Woodshire Subdivision as per Map or Plat thereof on file in the Office of the Chancery Clerk of Forrest County, in the City of Hattiesburg, County of Forrest, State of Mississippi, and being more particularly described as follows:

- **Beginning** at a ¾ Inch Round Pin representing the Northwest Corner

Initial BA

Bennett V. York
County Tax Parcel No.: 2-039J-20-093.00/094.00

- of said Lot 1;
- thence run N89°25'43"E along the North Line of said Lot 1 for 23.62 feet to a Point on the Proposed Eastern Right of Way Line of South 28th Avenue which is 85.00 feet Right of Station 10+05.72 of the South 28th Avenue Alignment of the above referenced Project,
- thence run S00°51'18"E along said Proposed Eastern Right of Way Line for 112.17 feet to a Point on the South Line of the Grantor's Property and a Point which is 85.00 feet Right of Station 8+93.55 of said Alignment,
- thence run S89°13'54"W along said South Line for 4.13 feet to a ¼ Inch Round Pin representing the Southwest Corner of the Grantor's Property and a Point on the West Line of said Lot 1,
- thence run N10°42'05"W along said West Line for 113.96 feet to the **Point of Beginning**,
- comprising **0.04 Acres (1,556 Square Feet)**, more or less.

AND ALSO:

A part of Lot 1 of Block B of Woodshire Subdivision as per Map or Plat thereof on file in the Office of the Chancery Clerk of Forrest County, in the City of Hattiesburg, County of Forrest, State of Mississippi, and being more particularly described as follows:

- **Commencing** at a ¾ Inch Crimp Top Pin representing the Southwest Corner of said Lot 1;
- thence run N10°58'03"W along the West Line of said Lot 1 for 14.65 feet to a Point on the Proposed Eastern Right of Way Line of South 28th Avenue and the **Point of Beginning**;
- thence continue N10°58'03"W along said West Line for 23.52 feet to a ¾ Inch Round Pin representing the Northwest Corner of the Grantor's Property,
- thence run N89°13'54"E along the North Line of the Grantor's Property for 4.13 feet to a Point which is 85.00 feet Right of Station 8+93.55 of the South 28th Avenue Alignment of the above referenced Project,
- thence run S00°51'18"E along said Proposed Eastern Right of Way Line for 23.15 feet to the **Point of Beginning**,
- comprising **48 Square Feet**, more or less.

The purpose of this instrument being to empower the owner of the legal title

to said property to sell, convey, and warrant to the City of Hattiesburg, Mississippi,

Initial *SH* , _____

Bennett V. York
County Tax Parcel No.: 2-039J-20-093.00/094.00

a body corporate by statute, fee simple title for bridge replacement purposes.

Witness the signature of the mortgagee this the 7 day of November, A.D. 2017.

Citizens Bank of Philadelphia

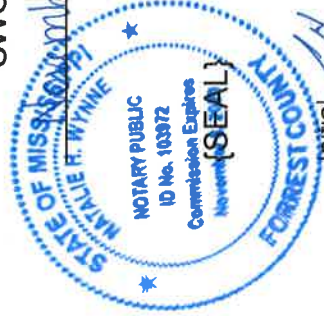
By: [Signature]
 Print Name: CHAD HILL
 Title: VP

STATE OF MISSISSIPPI
 COUNTY OF Lamar

THIS DAY PERSONALLY came and appeared before me, the undersigned authority in and for the jurisdiction aforesaid, the within named Chad Hill, the Vice President of **Citizens Bank of Philadelphia**, who, being by me first duly sworn, acknowledged that he/she signed, executed, and delivered the above and foregoing Partial Release of Mortgages and Assignments of Leases and Rents on the day and year therein mentioned as his/her voluntary act and deed.

 BY: _____
 ITS: _____

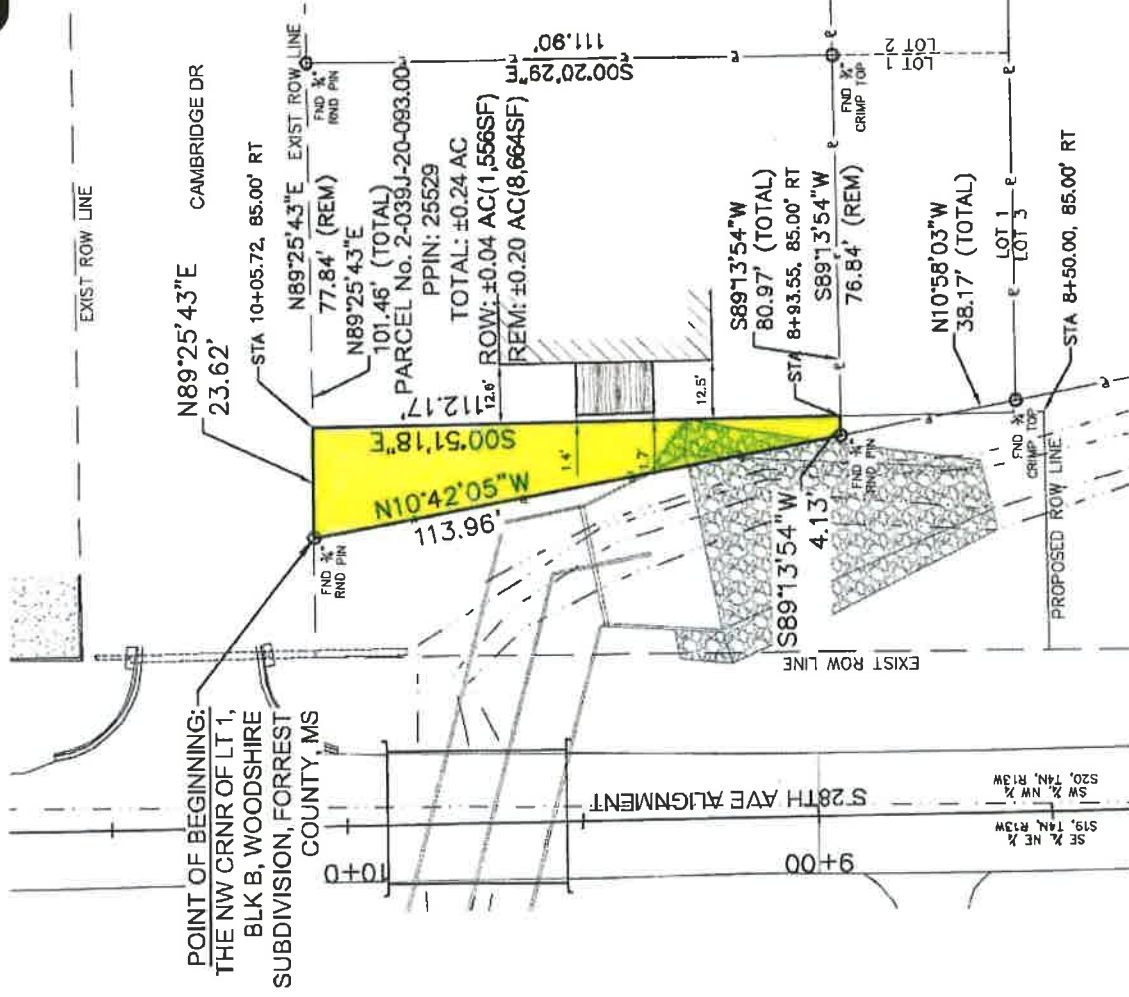
SWORN TO AND SUBSCRIBED BEFORE ME, this the 7 day of November, 2017.



[Signature]
 NOTARY PUBLIC

Initial CH

BENNET V. YORK
FC TAX PARCEL No. 2-039J-20-093.00



REFERENCES:
WOODSHIRE SUBDIVISION PLAT BK 13, PG 12 11-17-1981
ASSIGNMENT OF LEASES AND RENTS
BK 588 PG 667 (PARCEL 7) 10-01-1987

SCALE: 1" = 30'
PLAT DATE: MAY 06, 2015

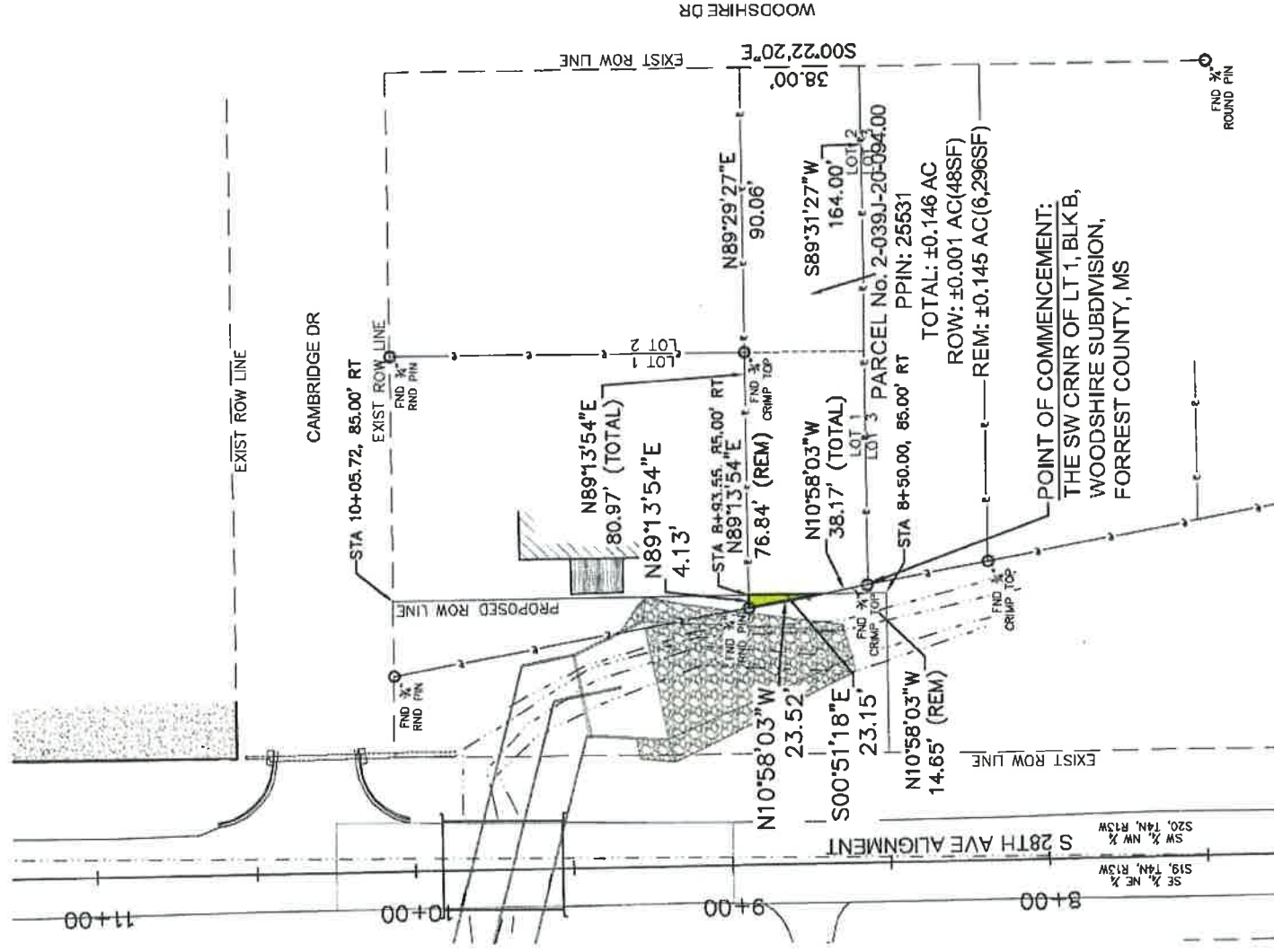
BEARINGS BASED ON MS STATE PLANE,
COORDINATE SYSTEM, EAST ZONE GRID,
US SURVEY FEET. NAD83

NOTE:
THIS DOCUMENT IS FOR REFERENCE AS A CHECK
PLAT ONLY AND IS NOT A LEGAL SURVEY

Engineering Progress
300 Summit Ave. | Madison, NJ 07654 | (973) 681-5444 | www.enr.com

DWG No. 11204

BENNET V. YORK
FC TAX PARCEL No. 2-039J-20-094.00



REFERENCES:
WOODSHIRE SUBDIVISION PLAT BK 13. PG 12 11-17-1981

ASSIGNMENT OF LEASES AND RENTS
BK 588 PG 667 (PARCEL 9) 10-01-1987

SCALE: 1" = 40'
PLAT DATE: MAY 06, 2015

BEARINGS BASED ON MS STATE PLANE,
COORDINATE SYSTEM, EAST ZONE GRID,
US SURVEY FEET. NAD83

NOTE: THIS DOCUMENT IS FOR REFERENCE AS A CHECK PLAT ONLY AND IS NOT A LEGAL SURVEY



300 Second Ave | Hattiesburg, MS 39401 | (601) 567-3321 | (601) 567-0578 | www.hattiesburg.org

DWG No. 11204

Grantee, prepared by and return to:

City of Hattiesburg

Dept of Engineering

P O Box 1898

Hattiesburg, MS 39403-1898

Phone: 601-545-4540

Account No. _____

Grantor Address:

Custom Services Corporation

Phone: _____

Business No. _____

SPECIAL WARRANTY DEED

INDEXING INSTRUCTIONS:

**A PART OF THE SOUTHWEST ¼ OF THE
NORTHWEST ¼, SECTION 20, TOWNSHIP 4
NORTH, RANGE 13 WEST, CITY OF
HATTIESBURG, FORREST COUNTY, MISSISSIPPI.**

Initials AC, _____, _____

THE STATE OF MISSISSIPPI

COUNTY OF FORREST

CITY OF HATTIESBURG

For and in consideration of **Nine Thousand Two Hundred Fifty and NO/100 Dollars (\$9,250.00)**, and other good and valuable considerations, including the benefits to be derived herefrom, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, hereby convey and warrant specially unto the City of Hattiesburg, Mississippi, a municipal corporation, the following described real property located in the City of Hattiesburg, County of Forrest, State of Mississippi.

The following description is based on the Mississippi State Plane Coordinate System Grid for the East Zone, NAD 83(93), as developed for the City of Hattiesburg South 28th Avenue Bridge Replacement Project for Bridge No. SA18-157, Project No. 11204.

A part of the Southwest $\frac{1}{4}$ of the Northwest $\frac{1}{4}$ of Section 20, Township 4 North, Range 13 West in the City of Hattiesburg, County of Forrest, State of Mississippi, and being more particularly described as follows:

- **Beginning** at a $\frac{3}{4}$ Inch Round Pin representing the Northwest Corner of Lot 1 of Block B of Woodshire Subdivision as per Map or Plat thereof on file in the Office of the Chancery Clerk of Forrest County, Mississippi;
- thence run S10°42'05"E along the West Line of said Lot 1 for 113.96 feet to a $\frac{3}{4}$ Inch Round Pin,
- thence run S10°58'03"E along said West Line for 23.52 feet to a Point on the Proposed Eastern Right of Way Line of South 28th Avenue,
- thence run S00°51'18"E along said Proposed Eastern Right of Way Line for 20.40 feet to a Point which is 85.00 feet Right of the Station 8+50.00 of the South 28th Avenue Alignment of the above referenced Project,
- thence run S89°08'42"W along said Proposed Eastern Right of Way Line for 50.60 feet to a Point on the Existing Eastern Right of Way Line of South 28th Avenue,
- thence run N00°18'32"W along said Existing Eastern Right of Way Line for 155.97 feet to the Intersection of said Existing Eastern Right of Way Line and the Existing Southern Right of Way Line of Cambridge Drive,
- thence run N89°25'43"E along said Existing Southern Right of Way Line for 25.50 feet to the **Point of Beginning**,

- comprising **0.14 Acres (6,166 Square Feet)**, more or less.

LESS AND EXCEPT any and all oil, gas and/or other minerals now owned by Grantor lying in, on or under any portion of the real property hereby conveyed, all of which are hereby reserved unto Grantor, its successors and assigns.

The grantor herein further warrants that the above described real property is not a part of his or her homestead.

It is further understood and agreed that the consideration herein named is in full, complete and final payment and settlement of any claims or demands for damage accrued, accruing, or to accrue to the grantors herein, their heirs, assigns, or legal representatives, for or on account of the construction of the proposed project, change of grade, water damage, and/or any other damage, right or claim whatsoever resulting from the construction of the proposed project.

The above warranties and this conveyance are subject to the following:

1. Ad valorem taxes for the year 2017 and subsequent years;
2. Any and all leases, exceptions, reservations and/or conveyances of or related to minerals of every kind and character (including, but not limited to, oil and gas), sand and/or gravel; and any and all easements, rights, interests, releases, privileges and/or immunities related or appurtenant to or associated with any of the foregoing or any minerals or resources.
3. Any and all restrictions and/or covenants, whether of record or not.
4. Any unrecorded materialmen's or mechanics' liens not created or incurred by the Grantor.
5. Any adverse claim to any portion of the real property hereby conveyed which has been created by artificial means or has accreted to any such portion so created and riparian rights, if any.

6. All street, road or highway or utility easements or rights-of-way now existing upon any portion of the real property hereby conveyed as the same are now located or as the same now appear of public record of Forrest County, Mississippi.
7. Any and all property interests which would not appear of public record in the Sectional Index, including but not limited to, property interests acquired by means of prescription, adverse possession and necessity.
8. Any governmental ordinances, laws, rules or regulations affecting any portion of the real property hereby conveyed, including but not limited to, zoning ordinances, wetlands, tidelands, or any environmental condition affecting any portion of the real property hereby conveyed.
9. Any problems of adverse possession, errors in survey or facts which are not shown of record in the Forrest County Courthouse.
10. The fact that any portion of the real property hereby conveyed may lie within a flood hazard zone.
11. Any state of facts which would be revealed by a physical inspection or an accurate and complete survey of the real property hereby conveyed, and any matters not of record nor properly recorded in the land records of the Chancery Clerk's Office, Forrest County, Mississippi.
12. Easement to City of Hattiesburg recorded in Deed Book 351, at Page 429 recorded in the land records of the Chancery Clerk's Office, Forrest County, Mississippi

It is further understood and agreed that this instrument constitutes the entire agreement between the grantor and the grantee, there being no oral agreements or representations of any kind.

Witness (my) (our) signature(s) this the 14th day of November AD, 2017.

Custom Services Corporation,
a Mississippi corporation

By: 

Print Name: Eugene D. Carothers

Title: President

STATE OF MISSISSIPPI

COUNTY OF Lamar

Personally appeared before me, the undersigned authority in and for the said County and State, on this 14 day of November, 2017, within my jurisdiction, the within named Eugene D. Carothers who acknowledged that (he)(she)(they) is/are President of **Custom Services Corporation**, a Mississippi Corporation, and that for and on behalf of said corporation, and as its act and deed, executed the above and foregoing Warranty Deed, after first having been duly authorized so to do.


(NOTARY PUBLIC)



Grantee, prepared by and return to:	Grantor Address:
City of Hattiesburg	Bennett V. York
Dept of Engineering	P. O. Box 16615
P O Box 1898	Hattiesburg, MS 39404
Hattiesburg, MS 39403-1898	
Phone: 601-545-4540	Phone:
Account No.	Business No.

SPECIAL WARRANTY DEED

INDEXING INSTRUCTIONS: **Lot 1, Block B, Woodshire Subdivision, City of
Hattiesburg, Forrest County, Mississippi.**

Initial  _____

Bennett V. York
County Tax Parcel No.: 2-039J-20-093.00/094.00

THE STATE OF MISSISSIPPI

COUNTY OF FORREST

CITY OF HATTIESBURG

For and in consideration of **Two Thousand Three Hundred Fifty Dollars and NO/100 (\$2,350.00)**, and other good and valuable considerations, including the benefits to be derived herefrom, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned, hereby convey and warrant specially unto the City of Hattiesburg, Mississippi, a municipal corporation, the following described real property located in the City of Hattiesburg, County of Forrest, State of Mississippi.

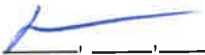
The following description is based on the Mississippi State Plane Coordinate System Grid for the East Zone, NAD 83(93), as developed for the City of Hattiesburg South 28th Avenue Bridge Replacement Project for Bridge No. SA18-157, Project No. 11204.

A part of Lot 1 of Block B of Woodshire Subdivision as per Map or Plat thereof on file in the Office of the Chancery Clerk of Forrest County, in the City of Hattiesburg, County of Forrest, State of Mississippi, and being more particularly described as follows:

- **Beginning** at a ¾ Inch Round Pin representing the Northwest Corner of said Lot 1;
- thence run N89°25'43"E along the North Line of said Lot 1 for 23.62 feet to a Point on the Proposed Eastern Right of Way Line of South 28th Avenue which is 85.00 feet Right of Station 10+05.72 of the South 28th Avenue Alignment of the above referenced Project,
- thence run S00°51'18"E along said Proposed Eastern Right of Way Line for 112.17 feet to a Point on the South Line of the Grantor's Property and a Point which is 85.00 feet Right of Station 8+93.55 of said Alignment,
- thence run S89°13'54"W along said South Line for 4.13 feet to a ¾ Inch Round Pin representing the Southwest Corner of the Grantor's Property and a Point on the West Line of said Lot 1,
- thence run N10°42'05"W along said West Line for 113.96 feet to the **Point of Beginning**,
- comprising **0.04 Acres (1,556 Square Feet)**, more or less.

AND ALSO:

A part of Lot 1 of Block B of Woodshire Subdivision as per Map or Plat thereof on

Initial  _____

Bennett V. York
County Tax Parcel No.: 2-039J-20-093.00/094.00

file in the Office of the Chancery Clerk of Forrest County, in the City of Hattiesburg, County of Forrest, State of Mississippi, and being more particularly described as follows:

- **Commencing** at a $\frac{3}{4}$ Inch Crimp Top Pin representing the Southwest Corner of said Lot 1;
- thence run N10°58'03"W along the West Line of said Lot 1 for 14.65 feet to a Point on the Proposed Eastern Right of Way Line of South 28th Avenue and the **Point of Beginning**;
- thence continue N10°58'03"W along said West Line for 23.52 feet to a $\frac{3}{4}$ Inch Round Pin representing the Northwest Corner of the Grantor's Property,
- thence run N89°13'54"E along the North Line of the Grantor's Property for 4.13 feet to a Point which is 85.00 feet Right of Station 8+93.55 of the South 28th Avenue Alignment of the above referenced Project,
- thence run S00°51'18"E along said Proposed Eastern Right of Way Line for 23.15 feet to the **Point of Beginning**,
- comprising **48 Square Feet**, more or less.

LESS AND EXCEPT any and all oil, gas and/or other minerals now owned by Grantor lying in, on or under any portion of the real property hereby conveyed, all of which are hereby reserved unto Grantor, its successors and assigns.

The grantor herein further warrants that the above described real property is not a part of his or her homestead.

It is further understood and agreed that the consideration herein named is in full, complete and final payment and settlement of any claims or demands for damage accrued, accruing, or to accrue to the grantors herein, their heirs, assigns, or legal representatives, for or on account of the construction of the proposed project, change of grade, water damage, and/or any other damage, right or claim whatsoever resulting from the construction of the proposed project.

The above warranties and this conveyance are subject to the following:

1. Ad valorem taxes for the year 2017 and subsequent years;
2. Any and all leases, exceptions, reservations and/or conveyances of or related to minerals of every kind and character (including, but not limited to, oil and gas), sand and/or

Initial



Bennett V. York
County Tax Parcel No.: 2-039J-20-093.00/094.00

gravel; and any and all easements, rights, interests, releases, privileges and/or immunities related or appurtenant to or associated with any of the foregoing or any minerals or resources.

3. Any and all restrictions and/or covenants, whether of record or not.
4. Any unrecorded materialmen's or mechanics' liens not created or incurred by the Grantor.
5. Any adverse claim to any portion of the real property hereby conveyed which has been created by artificial means or has accreted to any such portion so created and riparian rights, if any.
6. All street, road or highway or utility easements or rights-of-way now existing upon any portion of the real property hereby conveyed as the same are now located or as the same now appear of public record of Forrest County, Mississippi.
7. Any and all property interests which would not appear of public record in the Sectional Index, including but not limited to, property interests acquired by means of prescription, adverse possession and necessity.
8. Any governmental ordinances, laws, rules or regulations affecting any portion of the real property hereby conveyed, including but not limited to, zoning ordinances, wetlands, tidelands, or any environmental condition affecting any portion of the real property hereby conveyed.
9. Any problems of adverse possession, errors in survey or facts which are not shown of record in the Forrest County Courthouse.
10. The fact that any portion of the real property hereby conveyed may lie within a flood hazard zone.

Initial _____



Bennett V. York
County Tax Parcel No.: 2-039J-20-093.00/094.00

11. Any state of facts which would be revealed by a physical inspection or an accurate and complete survey of the real property hereby conveyed, and any matters not of record nor properly recorded in the land records of the Chancery Clerk's Office, Forrest County, Mississippi.

It is further understood and agreed that this instrument constitutes the entire agreement between the grantor and the grantee, there being no oral agreements or representations of any kind.

Witness my signature this the 14th day of November, 2017.

GRANTOR



Bennett V. York

Initial 

Bennett V. York
County Tax Parcel No.: 2-039J-20-093.00/094.00

STATE OF MISSISSIPPI

COUNTY OF Lamar

Personally appeared before me, the undersigned authority in and for the said County and State, on this 14th day of November, 2017, within my jurisdiction, the within named **Bennett V. York**, who acknowledged before me that he signed, executed and delivered the above and foregoing Warranty Deed on the day and year therein stated as his own free and voluntary act and deed.

(SEAL)



Elizabeth Aycox
(NOTARY PUBLIC)

Initial BV

Bennett V. York
County Tax Parcel No.: 2-039J-20-093.00/094.00

Grantee, prepared by and return to:	Grantor Address:
City of Hattiesburg	Mimosa LLC
Dept. of Engineering	2600 Mimosa Lane
P O Box 1898	Hattiesburg, MS 39402
Hattiesburg, MS 39403-1898	
Phone: 601-545-4540	Phone:
Account No.	Business No.

WARRANTY DEED

INDEXING INSTRUCTIONS: **SOUTHEAST ¼ OF THE NORTHEAST ¼,
SECTION 19, TOWNSHIP 4 NORTH,
RANGE 13 WEST, CITY OF HATTIESBURG,
FORREST COUNTY, MISSISSIPPI.**

Initials _____

Mimosa LLC
County Tax Parcel No.: 2-039K-19-014.00

STATE OF MISSISSIPPI

COUNTY OF FORREST

CITY OF HATTIESBURG

For and in consideration of **Nine Thousand Nine Hundred Fifty and NO/100 Dollars (\$9,950.00)**, and other good and valuable considerations, including the benefits to be derived herefrom, the receipt and sufficiency of which is hereby acknowledged, the undersigned Grantor does hereby grant, bargain, sell, convey and warrant unto the City of Hattiesburg, Mississippi, a municipal corporation, the following described property located in the City of Hattiesburg, County of Forrest, State of Mississippi.

The following description is based on the Mississippi State Plane Coordinate System Grid for the East Zone, NAD 83(93), as developed for the City of Hattiesburg South 28th Avenue Bridge Replacement Project for Bridge No. SA18-157, Project No. 11204.

A part of the Southeast $\frac{1}{4}$ of the Northeast $\frac{1}{4}$ of Section 19, Township 4 North, Range 13 West in the City of Hattiesburg, County of Forrest, State of Mississippi, and being more particularly described as follows:

- **Commencing** at a $\frac{3}{4}$ Inch Round Pin representing the Northwest Corner of Lot 1 of Block B of Woodshire Subdivision as per Map or Plat thereof on file in the Office of the Chancery Clerk of Forrest County, Mississippi;
- thence run North for 14.54 feet,
- thence run West for 86.82 feet to a Point on the Existing Western Right of Way Line of South 28th Avenue and the Northeast Corner of the Grantor's Property, said Point also being the **Point of Beginning**;
- thence run S00°31'17"E along said Existing Western Right of Way Line for 121.67 feet to a Point on the Proposed Western Right of Way Line of South 28th Avenue,
- thence run S89°08'42"W along said Proposed Western Right of Way Line for 4.08 feet to a Point which is 30.00 feet Left of Station 9+00.00 of the South 28th Avenue Alignment of the above referenced Project,
- thence run N00°51'18"W along said Proposed Western Right of Way Line for 25.00 feet to a Point which is 30.00 feet Left of Station 9+25.00 of said Alignment,
- thence run N55°01'02"W along said Proposed Western Right of Way Line for 111.02 feet to a Point which is 120.00 feet Left of Station

Initials _____

Mimosa LLC
County Tax Parcel No.: 2-039K-19-014.00

- 9+90.00 of said Alignment,
- thence run N00°51'18"W along said Proposed Western Right of Way Line for 34.09 feet to a Point on the North Line of the Grantor's Property which is 120.00 feet Left of Station 10+24.09 of said Alignment,
- thence run S89°23'20"E along said North Line for 94.82 feet to the **Point of Beginning**,
- comprising **0.15 Acres (6,430 Square Feet)**, more or less.

The grantor herein further warrants that the above described property is not a part of his/her/its homestead.

This conveyance is made subject to any outstanding oil, gas or mineral leases and/or royalty transfers or prior reservations.

The conveyance and warranty shall be subject to any and all easements and right-of-ways of record or of use.

It is further understood and agreed that the consideration herein named is in full, complete and final payment and settlement of any claims or demands for damage accrued, accruing, or to accrue to the grantors herein, their heirs, assigns, or legal representatives, for or on account of the construction of the proposed project, change of grade, water damage, and/or any other damage, right or claim whatsoever.

It is further understood and agreed that this instrument constitutes the entire agreement between the grantor and the grantee, there being no oral agreements or representations of any kind.

Witness (my) (our) signature(s) this the 7th day of November, 2017.

Mimosa LLC

By: Virginia M. Angelico Tatum
Print Name: VIRGINIA M ANGELICO TATUM
Title: Owner

Initials _____

Mimosa LLC
County Tax Parcel No.: 2-039K-19-014.00

STATE OF MISSISSIPPI

COUNTY OF Forrest

THIS DAY PERSONALLY came and appeared before me, the undersigned authority in and for the jurisdiction aforesaid, the within named Virginia M. Angelica Tatum the Owner of **Mimosa LLC**, a Mississippi limited liability company, who, being by me first duly sworn, acknowledged that he/she signed, executed, and delivered the above and foregoing Warranty Deed on the day and year therein mentioned as his/her voluntary act and deed.

Virginia M Angelica Tatum

SWORN TO AND SUBSCRIBED BEFORE ME, this the 7th day of November, 2017.

Peggy R DeFatta
NOTARY PUBLIC



Initials _____

Mimosa LLC
County Tax Parcel No.: 2-039K-19-014.00

MIMOSALLC



SCALE: 1" = 60'
PLAT DATE: MAY 06, 2015
REVISED: SEPTEMBER 19, 2017
BEARINGS BASED ON MS STATE
COORDINATE SYSTEM, EAST ZONE
US SURVEY FEET. NAD83

PLAT ONLY AND IS NOT A LEGAL SURVEY

DWG No. 11204

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. Mimosa, LLC	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification; check only one of the following seven boxes: ☒ Individual/sole proprietor or single-member LLC ☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. ☐ Other (see instructions) ▶ _____	
	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ (Applies to accounts maintained outside the U.S.)	
	5 Address (number, street, and apt. or suite no.) 2600 Mimosa Lane	Requester's name and address (optional)
	6 City, state, and ZIP code Hattiesburg, MS 39401	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number									
				-			-		
or									
Employer identification number									
7	2			-	0	9	5	4	559

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of U.S. person ▶ <i>Virginia M. Angelico Tatum</i>	Date ▶ <i>11-3-2014</i>
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

City of Hattiesburg, MS

*200 Forrest St.
P.O. Box 1898
Hattiesburg, MS 39401*



Meeting Agenda

Tuesday, December 19, 2017

5:00 PM

Council Chambers

City Council - Amendments to the Agenda

Add Policy Agenda Items V.- 19 - V.- 32 at the request of the Administration as follows:

V. - 19 [2017-954](#)

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district taxes, to BP Rex Closures, LLC for a period not to exceed ten (10) years, commencing December 31, 2017 and ending December 31, 2026, with a true value of \$1,603,057.31 or the amount approved by the Mississippi Department of Revenue.

Attachments: [2017 BP Rex App](#)
[2017-County Statement BP Rex](#)
[2017 ADP Memo-BP Rex](#)
[2017 BP Rex-Reso](#)

V. - 20 [2017-946](#)

Adopt a resolution granting and allowing ad valorem tax exemption, except state and school district taxes, to Channel Control Merchants Capital Assets, LLC. for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending December 31, 2026, with a true value of \$3,871,007.88 or the amount approved by the Mississippi Department of Revenue.

Attachments: [2017-County statement CCM](#)
[2017- CCM-Reso](#)
[2017-CCM App](#)
[ADP 2017 memo-CCM](#)

V. - 21 [2017-947](#)

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Dirt Cheap Building Supplies, for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending December 31, 2026, with a true value of \$592,837.00 or the amount approved by the Mississippi Department of Revenue.

Attachments: [App-Dirt Cheap](#)
[ADP Memo-Dirt Cheap](#)
[Dirt Cheap Reso](#)
[2017- county statement Dirt Cheap](#)

V. - 22 [2017-952](#)

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district taxes, to Kohler Company for a period not to exceed ten(10) years, commencing December 31, 2017 and ending December 31, 2026, with a total true value of \$7,397,461.35 or the amount approved by the Mississippi Department of Revenue.

Attachments: [County Statement-Kohler](#)
[2017 Kohler App](#)
[ADP Memo-Kohler 2017](#)
[Kohler 2017-Resolution](#)

V. - 23 [2017-942](#)

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to Mississippi Tank Company for a period not to exceed ten (10) years, commencing December 31, 2017 and ending December 31, 2026, with a true total value of \$1,974,091.72 or the amount approved by the Mississippi Department of Revenue.

Attachments: [2017-MS Tank Reso](#)
[County Statement-MsTank](#)
[2017-MS Tank App](#)
[ADP-2017 Ms Tank](#)

V. - 24 [2017-951](#)

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district taxes, to Sofidel America Corp., for a period not to exceed ten (10) years, commencing December 31, 2017 and ending December 31, 2026, with a total true value of \$32,842,505.66 or the amount approved by the Mississippi Department of Revenue.

Attachments: [2017-Sofidel Resolution](#)
[County Statement-Sofidel](#)
[Sofidel-2017 App](#)
[ADP_Sofidel](#)

V. - 25 [2017-953](#)

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district ad valorem taxes, to SPG Holdings, LLC for a period not to exceed ten (10) years, commencing December 31, 2017 and ending December 31, 2026, with a true value of \$4,174,136.51 or the amount approved by the Mississippi Department of Revenue.

Attachments: [2017-SPG App](#)
[County Statement-2017 SPG](#)
[ADP Memo-2017 SPG](#)
[SPG-Resolution](#)

V. - 26 [2017-950](#)

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school districts ad valorem taxes, to Western Container Corporation, for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending December 31, 2026, with a total true value of \$11,822,912.74 or the amount approved by the Mississippi Department of Revenue.

Attachments: [2017-Western Container App](#)
[County Statement-Western Container](#)
[Western Container Reso 2017](#)
[ADP-Memo Western Container](#)

V. - 27 [2017-949](#)

Adopt a Resolution granting and allowing ad valorem tax exemption, except state and school district taxes, to York International Corp. (Johnson Controls), for a period not to exceed ten (10) years, commencing on December 31, 2017 and ending on December 31, 2026, with a true value of \$1,856, 804.00 or the amount approved by the Mississippi Department of Revenue.

Attachments: [York International- App 2017](#)
[County Statement-York International](#)
[York-Reso](#)
[ADP-Memo- York-Johnson Controls](#)

V. - 28 [2017-939](#)

Adopt a Resolution requesting the Mississippi Legislature to enact Local and Private Legislation authorizing the City of Hattiesburg, Mississippi to contribute or appropriate funds to the Twin Forks Rising Community Development Corporation.

Attachments: [Resolution-Twin Forks](#)

V. - 29 [2017-955](#)

Authorize Mayor to execute contract between City of Hattiesburg and TFR Group, LLC, for the Twin Forks Rising Implementation Plan Phase III.

Attachments: [TFRGroupAgreement12152017](#)
[TFR Scope of Work Narrative](#)

V. - 30 [2017-907](#)

Authorize Mayor to execute Agreement in duplicate with Neel-Schaffer for project management of the Hattiesburg Stormwater Management Program for a three-year period ending in 2020.

Attachments: [Storm Water Management Contract-Neel Schaffer 2017](#)

V. - 31 2017-916

Approve and Authorize Mayor to execute, in duplicate, a Professional Services Agreement between the City of Hattiesburg and Shows, Dearman, and Waits for sanitary sewer rehabilitation in various locations of the City.

Attachments: 11256_Agreement between Owner and Engineer for Professional Services

V. - 32 [2017-928](#)

Acknowledge receipt of Special Warranty Deed from Main Street Restoration, LLC, for the property located at 825 North Main Street, formerly known as the Hattiesburg American Building; authorize acceptance of deed in substantially the form attached and donation to the City of the property at 825 North Main Street.

Attachments: [Special Warranty Deed, former Hattiesburg American Building, 825 N. Main St.-](#)