

City of Hattiesburg, MS

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



Meeting Agenda - Final

Tuesday, May 22, 2018

5:00 PM

Council Chambers

City Council

I. Call to Order**II. Call to Prayer and Pledge of Allegiance****III. Agenda Order****IV. Approval of Minutes for the April 16 and 17, 2018, meetings of the City Council.****V. PRESENTATION AGENDA****VI. POLICY AGENDA**

- VI.-1 [2018-453](#)** Adopt Resolutions condemning the following properties as unclean and a menace to the health and safety of the community.

Attachments: [Public Hearing memo 5.21](#)
 [1. RES-202 South 14th Ave.](#)
 [2. RES-802 West Pine St.](#)
 [3. RES-451 West 4th St.](#)
 [RES#2018-68, executed 1. RES-202 South 14th Ave.](#)
 [RES#2018-69, executed 2. RES-802 West Pine St.](#)
 [RES#2018-70, executed 3. RES-451 West 4th St.](#)

- VI.-2 [2018-409](#)** Adopt an Ordinance for the petition filed by Utpal Patel, Owner to change the zoning classification for a certain property located at 208 North 38th Avenue (Parcel 2-028L-07-144.01, PPIN 41562, Ward 1) from Section 4.5.9, B-2 (Neighborhood Business) District to Section 4.5.10, B-3 (Community Business) District. Hattiesburg Planning Commission recommended to Deny on April 4, 2018.

Attachments: [April HPC Minutes](#)
 [208 N 38th Ave - Staff Report](#)
 [208 N 38th Ave Zoning Map](#)
 [Ordinance - 208 N 38th Ave \(rezone\)](#)

- VI.-3** [2018-455](#) Adopt an Ordinance for the petition filed by Allison Stayer, Owner, to change the zoning classification for a certain property located at 18 Jervis Mims Road (Parcel 2-051H-05-007.00, PPIN 39197, Ward 5) from Section 4.5.3, R-1A (Single-Family Residential) District to Section 4.5.1, A-1 (Agricultural) District. The Planning Commission recommended to Approve on May 2, 2018.

Attachments: [Ordinance - 18 Jervis Mims rezone](#)
[18 Jervis Mims Rd Packet](#)
[May HPC Minutes DRAFT](#)
[ORD#3230, executed Ordinance - 18 Jervis Mims rezone](#)

- VI.-4** [2018-471](#) APPROVE or DENY to Adopt an Ordinance amending Section 2-54(B) of the Code of Ordinances (the City of Hattiesburg's HAVPAY Ordinance), last amended by Ordinance Number 3154, adopted March 17, 2015, to reflect updated pay scale exhibits for sworn Police Officers and Fire Fighters.

Attachments: [HAVPAY Ordinance, 2018](#)
[Police Department Pay Scale as Adopted 2018](#)
[Fire Department Pay Scale as Adopted 2018](#)
[ORD#3231, executed HAVPAY Ordinance, 2018](#)

- VI.-5** [2018-464](#) Adopt a Resolution setting a Public Hearing before City Council at 4 p.m. on Monday, July 2, 2018 in City Council Chambers to determine if certain properties are in such a state of uncleanliness so as to be a menace to the health and safety of the community and providing for notice to owners and authorize publication of the notice hearing.

Attachments: [P.H. memo 5.21.18](#)
[RES-Set PH, Unsafe Properties, 5.22.18](#)
[RES#2018-71, executed RES-Set PH, Unsafe Properties, 5.22.18](#)

- VI.-6** [2018-467](#) Adopt a Resolution designating the City of Hattiesburg voting delegates for voting in the 2018 Mississippi Municipal League election.

Attachments: [RES-Delegates, 2018 MML Election](#)
[RES#2018-72, executed RES-Delegates, 2018 MML Election](#)

- VI.-7** [2018-466](#) Adopt a Resolution authorizing Requisition No. 20 from the Project Fund Construction Account in connection with a certain loan agreement dated August 18, 2016, by and between the Mississippi Development Bank and the City of Hattiesburg.

Attachments: [2016 Bond Resolution No. 20](#)
[RES#2018-73, executed 2016 Bond Resolution No. 20](#)

- VI.-8** [2018-457](#) Authorize Mayor to execute Agreement in duplicate for Sewer Treatment with Westhaven Subdivision.

Attachments: [Sewer Agreement-Westhaven](#)
 [Aerial for City](#)
 [Color Aerial for City](#)
 [Legal Description](#)
 [ORD#3167, executed ORD-Sewer Rates, 9-14-15](#)
 [executed Sewer Agreement-Westhaven](#)

- VI.-9** [2018-470](#) Authorize Mayor to execute agreement in duplicate with Michael J. Villarreal for the donation of property required for the 38th Avenue Sidewalk project in return for certain considerations from the city as detailed in the agreement; Authorize City Clerk to record Warranty Deed with Forrest County.

Attachments: [Villarreal-513](#)
 [Villareal Agreement with deeds-signed by owner](#)
 [executed Villareal Agreement with deeds-signed by owner](#)
 [Fully executed Villareal Agreement with deeds-signed by owner](#)

- VI.-10** [2018-456](#) Authorize Mayor to execute lighting agreements with Mississippi Power for additional lighting at Campbell Loop for a monthly increase of \$44.64, at Campbell Drive for a monthly increase of \$86.60, and at Broadacres Drive for a monthly increase of \$124.50.

Attachments: [MS Power-Broadacres Dr](#)
 [MS Power-Campbell Dr](#)
 [MS Power-Campbell Loop 400 Watt](#)
 [executed MS Power-Broadacres Dr](#)
 [executed MS Power-Campbell Dr](#)
 [executed MS Power-Campbell Loop 400 Watt](#)

- VI.-11** [2018-469](#) Authorize Mayor to execute Memorandum of Understanding between City of Hattiesburg and the University of Southern Mississippi-Institute of Disability Studies to provide summer internships to the City of Hattiesburg.

Attachments: [USM IDS Agreement](#)
 [executed USM IDS Agreement](#)

- VI.-12** [2018-460](#) Authorize continued suspension of all City of Hattiesburg permitting fees from May 1, 2018 through July 31, 2018 for anyone affected by the 1/21/2017 tornado.

- VI.-13** [2018-459](#) Approve and authorize the Mayor to execute a Voluntary Compliance Agreement with the U.S. Department of Housing and Urban Development relative to compliance with certain statutes and regulations under the purview of the Fair Housing and Equal Opportunities Programs and Compliance Director.

Attachments: [Hattiesburg VCA_05.03.18](#)
[executed Hattiesburg VCA_05.03.18](#)

- VI.-14** [2018-475](#) Approve or deny manpower adjustments for Water Department, Public Works Department, Fire Department, and Administration Department in accordance with Ordinance 3154.

Attachments: [Public Works Alignment 2018](#)

- VI.-15** [2018-474](#) Adopt the May 22, 2018 Amendments to the Budget for the City of Hattiesburg for the fiscal year ending September 30, 2018 and adopt resolution authorizing publication of amendments for funds in excess of 10% of the original appropriation fund balance.

Attachments: [May 2018 Budget Amendments](#)
[RES#2018-74, executed May 2018 Budget Amendments](#)

- VI.-16** [2018-458](#) Approve and authorize Mayor to execute a Warranty Deed and Deed of Trust for Gwendolyn Harris, an income eligible HOME program applicant, for the property located at 543 Miller Street according to the Housing Rehabilitation and Housing Programs Manual Section VII (E). {Entitlement}

Attachments: [Property Deed and Deed of Trust - G. Harris 05.15.18](#)
[executed Property Deed and Deed of Trust - G. Harris 05.15.18](#)

- VI.-17** [2018-451](#) Declare and approve the purchase of National Night Out Against Crime supplies from NATW in an amount not to exceed \$7,134.00 as a sole source purchase as provided for in Section 31-7-13 (viii) of the Mississippi Code of 1972, based on information in attached letter and memorandums.

Attachments: [2018 NNO Budget-NATW](#)
[NATW Letter to Hattiesburg 2018](#)
[NATW Memo](#)

VII. ROUTINE AGENDA

- VII.-1 [2018-461](#) Acknowledge receipt of Privilege License Report for the month of April, 2018.

Attachments: [Privilege License Report-April 01-31-2018](#)
 [Memo-Privilege License Report for April 2018](#)

- VII.-2 [2018-462](#) Approve plans and specifications for the Infrastructure Rehabilitation - Arledge Street and Katie Avenue Area project (related to the Public Safety Complex project); Authorize advertisement for bids for same.

Attachments: [Advertisement for Bids](#)
 [11258 Plans Street Ready Set Signed 2018-05-14](#)
 [11258 Specs Review Set \(Lamar\)](#)
 [executed Ad for Bids for Infrastructure Rehab. - Arledge St and Katie Ave Area](#)

- VII.-3 [2018-452](#) Approve the sale of grave spaces, per attached Memos, Receipts and Deeds.

Attachments: [Memos \(05-22-18\)](#)
 [Receipts \(05-22-18\)](#)
 [Deeds \(05-22-18\)](#)

- VII.-4 [2018-468](#) Approve claims docket for the period ending May 18, 2018.

Attachments: [DOCKET 18.05-18](#)

- VII.-5 [2018-476](#) Acknowledge receipt of request to reschedule filed by Joel Johnson, attorney, for the hearing to appeal the Planning Commission's recommendation for the petition filed by by Utpal Patel, Owner to change the zoning classification for a certain property located at 208 North 38th Avenue (Parcel 2-028L-07-144.01, PPIN 41562, Ward 1) from Section 4.5.9, B-2 (Neighborhood Business) District to Section 4.5.10, B-3 (Community Business) District; Hattiesburg Planning Commission recommended to Deny on April 4, 2018; Set a public hearing before City Council on June 18, 2018 at 4:00 p.m. and authorize publication of Public Notice setting an Appeal Public Hearing.

Attachments: [208 N 38th Ave - Appeal hearing delay request 5-17-18](#)
 [Appeal - 208 N 38th Ave](#)
 [Public Notice - 208 N 38th Ave Resch Appeal Hearing](#)



City of Hattiesburg, MS

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

Master

File Number: 2018-453

File ID: 2018-453

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester: Chris Price

File Created: 05/11/2018

Brief Title: Adopt Resolutions condemning the following properties as unclean and a menace to the health and safety of the community.

Final Action: 05/22/2018

Minute Book Number: MB2018-130

Title: Adopt Resolutions condemning the following properties as unclean and a menace to the health and safety of the community.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-1

Sponsors:

Enactment Date:

Attachments: Public Hearing memo 5.21, 1. RES-202 South 14th Ave., 2. RES-802 West Pine St., 3. RES-451 West 4th St., RES#2018-68, executed 1. RES-202 South 14th Ave., RES#2018-69, executed 2. RES-802 West Pine St., RES#2018-70, executed 3. RES-451 West 4th St.

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/22/2018	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 2018-453

Title

Adopt Resolutions condemning the following properties as unclean and a menace to the health and safety of the community.

Summary

Adopt Resolutions condemning Unsafe Properties, 5-22-18.

Budget Information

Expenditure Type

Purchasing Item

Publication Information



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: Mayor and City Council

FROM: Chris Price, Code Enforcement Manager

DATE: May 11, 2018

RE: Adopt a Resolution

I recommend the adoption of resolutions determining the following properties are in such a state of uncleanness so as to be a menace to the health and safety of the community.

Address	PPIN #	Ward	Violations
1. 202 S. 14th Ave.	16886	4	AB, DB, OGL, UC, VS, DM
2. 802 West Pine St.	19265	4	DB, OGL, T&L, VS, DM
3. 451 West 4th St.	14456	2	DB, OGL, T&L, US, DM

Trash & Litter=T&L
Vacant Structure=VS
Dangerous Structure=DS
Overgrown Lot=OGL
Open Storage=OS
Protective Treatment=PT
Accessory Structure=AS
Unsafe Structure=US
Abandoned Vehicle=AV
Interior Structure=IS
Exterior Structure=ES
Electrical=EL
Responsibility (Water)=RW
Hazardous Tree=HT
Glazing=GL
PID=Premise Id
X's2=2 Structures
Structure Built in Right of Way= SBROW
Demo=DM

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, Mississippi 39403-1898

Return to:
City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, Mississippi 39403-1898

**RESOLUTION
CONDEMNATION OF UNSAFE AND DILAPIDATED PROPERTY
Case #1 202 South14TH Ave.**

WHEREAS, on the 17th day of April 2018 the Council of the City of Hattiesburg, Mississippi, passed a resolution announcing the intention of the City Council to hold a hearing on, the 21st day of May, 2018, in the Council Meeting Room of City Hall in Hattiesburg, Mississippi, as provided by Section 21-19-11 of the Mississippi Code of 1972, as annotated and amended, to determine whether or not the following described property is in such a state of uncleanness as to be a menace to the health and safety of the community, to-wit:

PARCEL: 2-029M-09-299, 202 South 14TH Ave Hattiesburg, MS 39401, described as the west 110.0 feet, Lots 3 and 4, Block 10, Hattiesburg Heights Proper survey, Hattiesburg, Forrest County, Mississippi.

WHEREAS, the owner of the property is: Lindsey Rankin Jr. and TTLBL, LLC

WHEREAS, proper and timely notice of said hearing was given to said parties more than two weeks prior to the date of the hearing; and

WHEREAS, at said hearing it was determined that the aforementioned property is in such a state of uncleanness as to be a menace to the health and safety of the community and should be condemned.

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

1. A period of fifteen (15) days shall be extended to the property owner for removal of the violations listed:

**Dilapidated Building (International Property Maintenance Code, Sec. 304)
Overgrown Lot or Weeds (International Property Maintenance Code, Sec. 302.4)
Unsafe Conditions (International Property Maintenance Code, Sec. 34.1.1
Vacant Structure (International Property Maintenance Code, Sec. 301.3)**

2. If the property owners do not take corrective action within fifteen (15) days to remove the violations, then after a complete and final legal review of the property conducted by the City Attorney, the City will take action to remove all violations listed, said work to be legally contracted with a private contractor or City crews, and the cost of same plus penalty to be certified to the City Clerk for further legal disposition.

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

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

YEAS:

NAYS:

ABSENT:

The motion having received the affirmative vote of a majority of the Council members present, the President declared the motion carried and the resolution adopted, this the 22nd day of May, 2018.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 22nd day of May, 2018

ATTEST:

APPROVED:

CITY CLERK

MAYOR

Prepared by:
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Code Enforcement
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RESOLUTION
CONDEMNATION OF UNSAFE AND DILAPIDATED PROPERTY
Case #2 802 West Pine St.

WHEREAS, on the 17th day of April 2018 the Council of the City of Hattiesburg, Mississippi, passed a resolution announcing the intention of the City Council to hold a hearing on, the 21st day of May, 2018, in the Council Meeting Room of City Hall in Hattiesburg, Mississippi, as provided by Section 21-19-11 of the Mississippi Code of 1972, as annotated and amended, to determine whether or not the following described property is in such a state of uncleanness as to be a menace to the health and safety of the community, to-wit:

PARCEL: 2-029N-09-308, 802 West Pine St. Hattiesburg, MS 39401, or better described as, Lot 15 and 16, Block 137 of the KAMPER WHINNERY EXTENSION No. 2 SURVEY OR ADDITION OF the City of Hattiesburg, Forrest County, Mississippi, as per the official play map thereof On file in the office of the Chancery Clerk of Forrest County, Mississippi. Together with the improvements thereon and Belonging.

WHEREAS, the owner of the property is: Gavin Hamp Cooley and TTLBL, LLC

WHEREAS, proper and timely notice of said hearing was given to said parties more than two weeks prior to the date of the hearing; and

WHEREAS, at said hearing it was determined that the aforementioned property is in such a state of uncleanness as to be a menace to the health and safety of the community and should be condemned.

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

1. A period of fifteen (15) days shall be extended to the property owner for removal of the violations listed:

Dilapidated Building (International Property Maintenance Code, Sec. 304)
Overgrown Lot or Weeds (International Property Maintenance Code, Sec. 302.4)
Trash and Litter (International Property Maintenance Code, Sec. 307.1)

Vacant Structure (International Property Maintenance Code, Sec. 301.3)

2. If the property owners do not take corrective action within fifteen (15) days to remove the violations, then after a complete and final legal review of the property conducted by the City Attorney, the City will take action to remove all violations listed, said work to be legally contracted with a private contractor or City crews, and the cost of same plus penalty to be certified to the City Clerk for further legal disposition.

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

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:

ABSENT:

The motion having received the affirmative vote of a majority of the Council members present, the President declared the motion carried and the resolution adopted, on this the 22nd day of May, 2018.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

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ATTEST:

APPROVED:

CITY CLERK

MAYOR

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RESOLUTION
CONDEMNATION OF UNSAFE AND DILAPIDATED PROPERTY
Case #3 451 West 4TH St.

WHEREAS, on the 17th day of April 2018 the Council of the City of Hattiesburg, Mississippi, passed a resolution announcing the intention of the City Council to hold a hearing on, the 21st day of May, 2018, in the Council Meeting Room of City Hall in Hattiesburg, Mississippi, as provided by Section 21-19-11 of the Mississippi Code of 1972, as annotated and amended, to determine whether or not the following described property is in such a state of uncleanness as to be a menace to the health and safety of the community, to-wit:

PARCEL: 2-029F-04-199, 451 West 4th St. Hattiesburg, MS 39401, or better described as, Part of Lot Two (2) of Block 171 of Crittenden Survey to the City of Hattiesburg, Forrest County, Mississippi, and more particularly describes as beginning 253 feet West of the Southeast corner of said Lot Two (2), thence run North 236 feet, thence run West 4th Street, thence run East 58 feet to the point of beginning, together with all improvements lying thereon and appurtenances thereunto belonging.

WHEREAS, the owner of the property is: Edgar Foreman and Bennett Tax Co INC

WHEREAS, proper and timely notice of said hearing was given to said parties more than two weeks prior to the date of the hearing; and

WHEREAS, at said hearing it was determined that the aforementioned property is in such a state of uncleanness as to be a menace to the health and safety of the community and should be condemned.

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

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2. If the property owners do not take corrective action within fifteen (15) days to remove the violations, then after a complete and final legal review of the property conducted by the City Attorney, the City will take action to remove all violations listed, said work to be legally contracted with a private contractor or City crews, and the cost of same plus penalty to be certified to the City Clerk for further legal disposition.

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

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:

ABSENT:

The motion having received the affirmative vote of a majority of the Council members present, the President declared the motion carried and the resolution adopted, on this the 22nd day of May, 2018.

(SEAL)

ADOPTED:

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 22nd of May, 2018

APPROVED:

MAYOR

Prepared by:
City of Hattiesburg
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P.O. Box 1898
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3. A copy of this Resolution will be certified and recorded in the Chancery Clerk's Office of Forrest County, Mississippi.

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

YEAS: George
Delgado
Carroll
Dryden
Brown

NAYS: None

ABSENT:

The motion having received the affirmative vote of a majority of the Council members present, the President declared the motion carried and the resolution adopted, this the 22nd day of May, 2018.

(SEAL)

ATTEST:

ADOPTED:


Deputy CLERK OF COUNCIL


PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 22nd day of May, 2018

ATTEST:

APPROVED:


CITY CLERK


MAYOR

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RESOLUTION
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WHEREAS, the owner of the property is: Gavin Hamp Cooley and TTLBL, LLC

WHEREAS, proper and timely notice of said hearing was given to said parties more than two weeks prior to the date of the hearing; and

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YEAS: George
Delgado
Carroll
Dryden
Brown

NAYS: None

ABSENT:

The motion having received the affirmative vote of a majority of the Council members present, the President declared the motion carried and the resolution adopted, on this the 22nd day of May, 2018.

(SEAL)

ATTEST:

ADOPTED:

Deputy 
CLERK OF COUNCIL


PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 22nd day of May, 2018.

ATTEST:

APPROVED:


CITY CLERK


MAYOR

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
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RESOLUTION
CONDEMNATION OF UNSAFE AND DILAPIDATED PROPERTY
Case #3 451 West 4TH St.

WHEREAS, on the 17th day of April 2018 the Council of the City of Hattiesburg, Mississippi, passed a resolution announcing the intention of the City Council to hold a hearing on, the 21st day of May, 2018, in the Council Meeting Room of City Hall in Hattiesburg, Mississippi, as provided by Section 21-19-11 of the Mississippi Code of 1972, as annotated and amended, to determine whether or not the following described property is in such a state of uncleanness as to be a menace to the health and safety of the community, to-wit:

PARCEL: 2-029F-04-199, 451 West 4th St. Hattiesburg, MS 39401, or better described as, Part of Lot Two (2) of Block 171 of Crittenden Survey to the City of Hattiesburg, Forrest County, Mississippi, and more particularly describes as beginning 253 feet West of the Southeast corner of said Lot Two (2), thence run North 236 feet, thence run West 4th Street, thence run East 58 feet to the point of beginning, together with all improvements lying thereon and appurtenances thereunto belonging.

WHEREAS, the owner of the property is: Edgar Foreman and Bennett Tax Co INC

WHEREAS, proper and timely notice of said hearing was given to said parties more than two weeks prior to the date of the hearing; and

WHEREAS, at said hearing it was determined that the aforementioned property is in such a state of uncleanness as to be a menace to the health and safety of the community and should be condemned.

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

1. A period of fifteen (15) days shall be extended to the property owner for removal of the violations listed:

Dilapidated Building (International Property Maintenance Code, Sec. 304)
Overgrown Lot or Weeds (International Property Maintenance Code, Sec. 302.4)

Trash and Litter (International Property Maintenance Code, Sec. 307.1)
Unsafe Conditions (International Property Maintenance Code, Sec. 34.1.1)

2. If the property owners do not take corrective action within fifteen (15) days to remove the violations, then after a complete and final legal review of the property conducted by the City Attorney, the City will take action to remove all violations listed, said work to be legally contracted with a private contractor or City crews, and the cost of same plus penalty to be certified to the City Clerk for further legal disposition.

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

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

ABSENT:

The motion having received the affirmative vote of a majority of the Council members present, the President declared the motion carried and the resolution adopted, on this the 22nd day of May, 2018.

(SEAL)

ATTEST:

ADOPTED:


Deputy CLERK OF COUNCIL


PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 22nd of May, 2018

ATTEST:

APPROVED:


CITY CLERK


MAYOR



City of Hattiesburg, MS

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

Master

File Number: 2018-409

File ID: 2018-409

Type: Regular Agenda Item

Status: Agenda Ready

Version: 2

Reference:

In Control: City Council

Requester: Ginger Lowrey

File Created: 04/25/2018

Brief Title: Adopt an Ordinance to rezone 208 North 38th Avenue
in Ward 1 to B-3.

Final Action:

Minute Book Number:

Title: Adopt an Ordinance for the petition filed by Utpal Patel, Owner to change the zoning classification for a certain property located at 208 North 38th Avenue (Parcel 2-028L-07-144.01, PPIN 41562, Ward 1) from Section 4.5.9, B-2 (Neighborhood Business) District to Section 4.5.10, B-3 (Community Business) District. Hattiesburg Planning Commission recommended to Deny on April 4, 2018

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-2

Sponsors:

Enactment Date: 05/22/2018

Attachments: April HPC Minutes, 208 N 38th Ave - Staff Report, 208 N 38th Ave Zoning Map, Ordinance - 208 N 38th Ave (rezone)

Enactment Number:

Contact:

Meeting Date:

Drafter:

Effective Date: 06/22/2018

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1		05/08/2018					
2		05/22/2018					

Text of Legislative File 2018-409

Title

Adopt an Ordinance for the petition filed by Utpal Patel, Owner to change the zoning classification for a certain property located at 208 North 38th Avenue (Parcel 2-028L-07-144.01, PPIN 41562, Ward 1) from Section 4.5.9, B-2 (Neighborhood Business) District to Section 4.5.10, B-3 (Community Business) District. Hattiesburg Planning Commission recommended to Deny on April 4, 2018

Summary

Adopt an Ordinance to rezone 208 North 38th Avenue in Ward 1 to B-3.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

**MINUTES OF THE
REGULAR MEETING OF THE
HATTIESBURG PLANNING COMMISSION
April 4, 2018**

The Hattiesburg Planning Commission did meet in a regular session on April 4, 2018 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
Mark Miller
Kenneth Waites
Rebekah Ray
Judy Corts
Jessie Wilson

Commissioners Absent: James Hughes
Paul Sims
Sandra Thompson

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

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

INVOCATION

Commissioner Conville held a moment of silence in honor of Dr. Martin Luther King Jr.

AGENDA REVIEW

There came the matter of the April 2018 Agenda. A request was made by Chairman Conville for a motion to approve the April 2018 Agenda. A motion was made to approve the April 2018 Agenda by Commissioner Wilson and seconded by Commissioner Hinton.

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

Commissioners voting nay: None

MINUTES REVIEW

There came the matter of the March 7, 2018, minutes. A request was made by Chairman Conville for a motion to approve the March 7, 2018, minutes. A motion was made by Commissioner Hinton to approve the minutes and seconded by Commissioner Ray.

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

Commissioners voting nay: None

REPORTS

BUILDING REPORT

There came the matter of the Building Inspection Report. Steve Mitchell provided a building report for March 2018.

PLANNING REPORT

There came the matter of the Planning Report by Ginger Maddox Lowrey, AICP, Planning Division Manager. On March 19, 2018 the City Council reviewed the following Hattiesburg Planning Commission recommendations and voted as follows: The City Council approved the rezoning of 221 Mobile St. (HPC approval upheld); The City Council approved the partial alley closure north of Tuscan Avenue, between Cherry Street and Cedar Street (HPC approval upheld); The City Council denied the rezoning of 1226 Ida Avenue. (HPC denial upheld); the Rezoning and Conditional Use request for a property on Jackson Road south of the Longleaf Trace remains tabled by the Planning Commission; the establishment of zoning for Mandalay Villas at Greystone Subdivision, denied by the HPC, has been appealed. The public hearing for that appeal has been set for April 16, 2018 at 4:00pm in City Hall before the City Council.

Mrs. Lowrey also informed the Commission of training opportunities for the Planning Commission, tentatively set for July.

CHAIRMAN’S REPORT

There came the matter of the Chairman’s Report. No report was submitted

PUBLIC HEARING – PLANNING COMMISSION

Chairman Conville declared the Public Hearing for the Planning Commission open at 1:12 P.M. and read the rules and procedures of the hearing.

There came the matter of Item A (Digital Billboard), 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	7092 Hwy 98	Hattiesburg, MS
	- Owner		

Will Simmons1724A 23rd AveMeridian, MS

- Attorney

Proponents:None

Opponents:None

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 due to the fact that the structures required for removal had yet to be used for advertisement. The motion was seconded by Commissioner Ray.

Commissioners voting aye:None

Commissioners voting nay:Dick Conville, Chairman
Amy Hinton, Vice-Chairman
Mark Miller
Kenneth Waites
Rebekah Ray
Judy Corts
Jessie Wilson

The motion to deny failed.

Commissioner Hinton made a motion to approve the request. The motion was seconded by Commissioner Corts.

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

Commissioners voting nay:None

There came the matter of Item B (Rezoning), filed by Utpal Patel, Owner, as required in the Land Development Code, Ord. No. 3209, to change the zoning classification for a certain property located at 208 North 38th Avenue (Parcel 2-028L-07-144.01, PPIN 41562, Ward 1) from Section 4.5.9, B-2 (Neighborhood Business) District to Section 4.5.10, B-3 (Community Business) District.

Presented by:

NameAddressCity/State

S. Joel JohnsonP.O. Box 17738Hattiesburg, MS

- Attorney

Proponents:None

Opponents:None

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 rezoning because there is not a material change in the circumstances and conditions of the neighborhood and area surrounding the petitioned property and there is not a public need for the change in question, based on the Comprehensive Plan. The motion was seconded by Commissioner Wilson.

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

Commissioners voting nay: None

BUSINESS MEETING

There being no further business, the meeting was adjourned at 1:55 PM. Commissioner Hinton 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

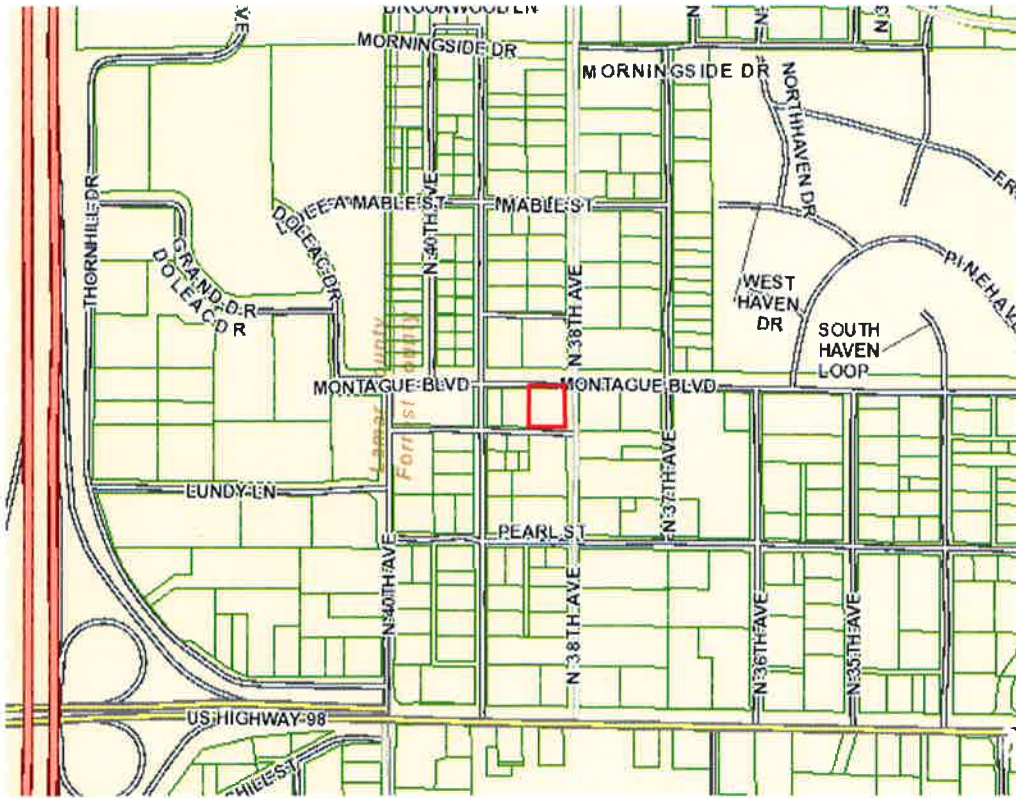
SUBJECT PARCEL: 208 North 38th Avenue

Utpal Patel, Owner

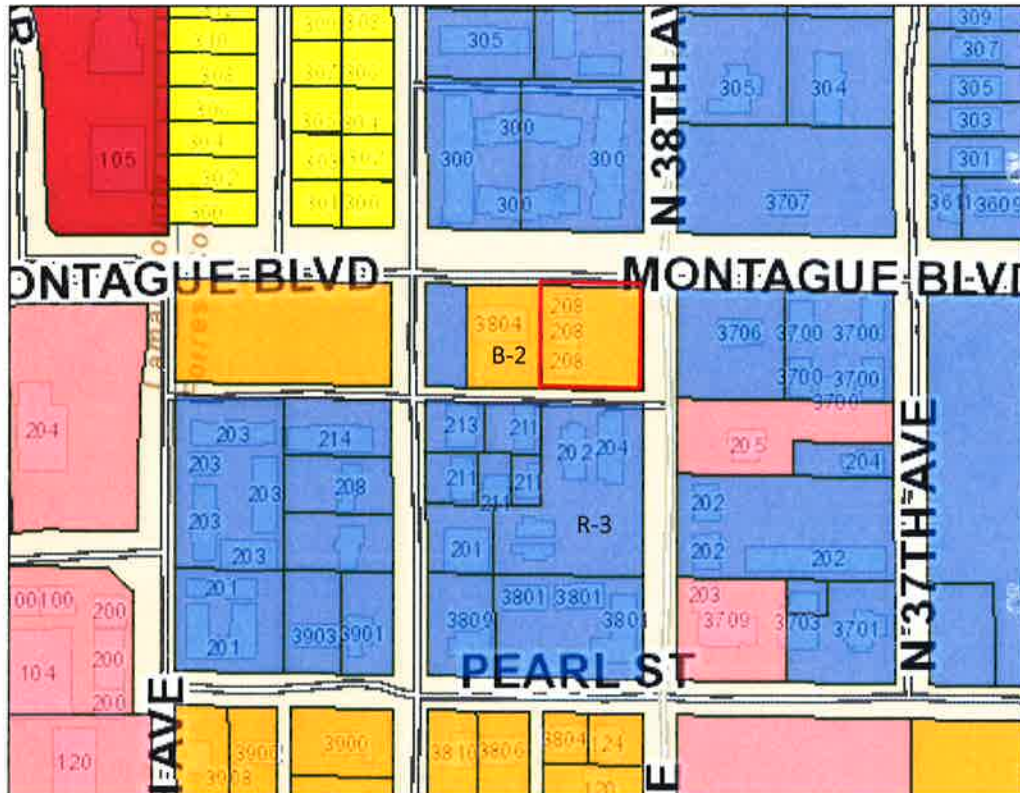
The applicant requests to change the zoning classification for a certain property located at 208 North 38th Avenue (Parcel 2-028L-07-144.01, PPIN 41562, Ward 1) from Section 4.5.9, B-2 (Neighborhood Business) District to Section 4.5.10, B-3 (Community Business) District.



Vicinity Map—Ward 1



Zoning—B-2



Site Aerial



SURROUNDING AREA

Northern Direction: R-3 (Multi-Family) Residential



Southern Direction: R-3 (Multi-Family) Residential



Eastern Direction: R-3 (Multi-Family) Residential



Western Direction: R-3 (Multi-Family) Commercial



**Surrounding Zoning
and Land Use:**

North: R-3 (Multi-Family) Residential
South: R-3 (Multi-Family) Residential
East: R-3 (Multi-Family) Residential
West: R-3 (Multi-Family) Residential / Fire Station

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

This parcel is accessible from the East by North 38th Avenue and the North by Montague Boulevard. It is bounded on the West by North 39th Avenue and the South by Pearl Street.

**Letters or
Concerns stated:**

The Planning Division Office has not received any letters or other written communications relative to this case as of March 21, 2018

History / Background:

The site plan for this location was approved in 2013.
The site was constructed in 2014.

Basis for Approval:

1. There is a mistake in the original zoning.
2. The character of the neighborhood **(has / has not)** changed substantially so that rezoning is clearly justified and there **(is / is not)** a public need for the rezoning
3. Annexation

Rezoning Information (1 page)

One of the following conditions must be met before a rezoning can be recommended. Check the condition(s) most applicable to your request and explain in writing.

- A. There is a material change in the circumstances and conditions of the neighborhood and area surrounding the petitioned property and there is a public need for the change in question, based on the Comprehensive Plan.
- B. There is a mistake in the original zoning.
- C. Annexation

Detailed explanation of condition(s) most applicable to your request: (Please print or type.)

Manisha, Inc. owns the real property located at 208 N. 38th Avenue. Manisha, Inc. constructed a new, attractive building at this location at which it operates a convenience store and gas station. The building contains a separate commercial space that Manisha, Inc. intended to lease. Unfortunately, it has remained empty and un-leased since construction. The neighborhood has continued to prosper and there are numerous apartments, residences and other businesses in the neighborhood. The principal of Manisha, Inc. has formed a new LLC named Jay Hanuman, LLC for the purpose of operating a package liquor store in the empty commercial space adjoining the convenience store (which sells, among other things, beer and tobacco products). To do this will necessitate a zoning reclassification to B3, B4 or B5. If allowed, a new business will be opened, operated lawfully and will produce employment and tax revenue. An empty commercial is not good for anyone. The new store will be attractive and operated in a first class manner. It will benefit the neighborhood.

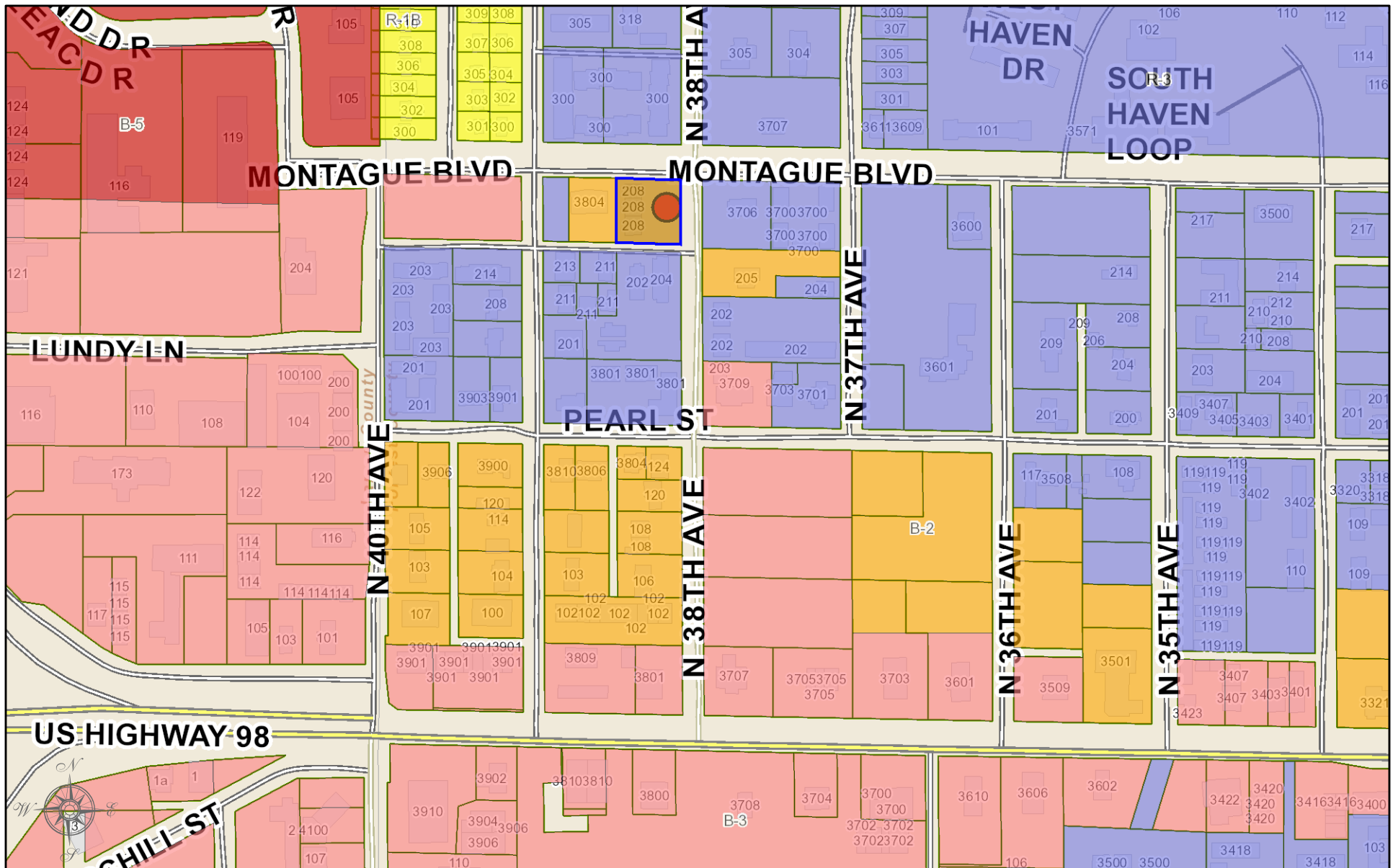
Utility Plan

USA Export
Licenses, MISL

Manisha Inc.

[illegible]

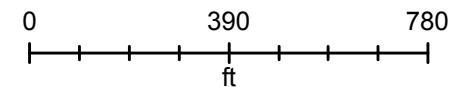
208 N 38th Ave. - Zoning - 4/30/2018



City of Hattiesburg, MS

DISCLAIMER: This map is ONLY FOR REFERENCE. There is NO WARRANTY of the accuracy of data. This information CANNOT be used as a substitute for legal, business, tax or other professional advice.

MAP DATE: April 30, 2018



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 _____

**AN ORDINANCE CHANGING AND AMENDING THE COMPREHENSIVE
ZONING DISTRICT MAP FOR A CERTAIN PROPERTY
LOCATED AT 208 NORTH 38TH AVENUE
(PARCEL 2-028L-07-144.01, PPIN 41562, WARD 1)
FROM SECTION 4.5.9, B-2 (NEIGHBORHOOD BUSINESS) DISTRICT
TO SECTION 4.5.10, B-3 (COMMUNITY BUSINESS) DISTRICT.**

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

SECTION 1. That the Comprehensive Zoning District Map, adopted as part of the Comprehensive Zoning Ordinance No. 3209, as amended, of the City of Hattiesburg, Mississippi, be and the same is hereby changed and amended. The Hattiesburg Planning Commission recommended to DENY said change in zoning for the following reasons:

There is not a material change in the circumstances and conditions of the neighborhood and area surrounding the petitioned property and there is not a public need for the change in question, based on the comprehensive plan

Said properties are described as follows:

Lots 1, 2 and the East 40 feet of Lot 3, Block 20, of Pinecrest Second Survey, Forrest County, Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi; all together with all improvements thereon and appurtenances thereunto belonging.

SECTION 2. Except as hereby expressly changed and amended, the aforesaid Comprehensive Zoning District Map and the Land Development Code Ordinance No. 3209, 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 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 foregoing Ordinance adopted and approved, this the _____ day of _____ A.D., 2018.

(S E A L)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

THE above and foregoing Ordinance having been submitted to and approved by the Mayor, this the _____ day of _____ A.D., 2018.

ATTEST:

APPROVED:

CITY CLERK

MAYOR



City of Hattiesburg, MS

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

Master

File Number: 2018-455

File ID: 2018-455

Type: Ordinance

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester: Ginger Lowrey

File Created: 05/11/2018

Brief Title: Adopt an Ordinance to rezone 18 Jervis Mims Road, Ward 5, from R-1A (Single-Family Residential) District to A-1 (Agricultural) District.

Final Action: 05/22/2018

Minute Book Number: MB2018-130-131

Title: Adopt an Ordinance for the petition filed by Allison Stayer, Owner, to change the zoning classification for a certain property located at 18 Jervis Mims Road (Parcel 2-051H-05-007.00, PPIN 39197, Ward 5) from Section 4.5.3, R-1A (Single-Family Residential) District to Section 4.5.1, A-1 (Agricultural) District. The Planning Commission recommended to Approve on May 2, 2018.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-3

Sponsors:

Enactment Date:

Attachments: Ordinance - 18 Jervis Mims rezone, 18 Jervis Mims Rd Packet, May HPC Minutes DRAFT, ORD#3230, executed Ordinance - 18 Jervis Mims rezone

Enactment Number:

Contact:

Meeting Date: 05/22/2018

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	05/22/2018	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 2018-455

Title

Adopt an Ordinance for the petition filed by Allison Stayer, Owner, to change the zoning classification for a certain property located at 18 Jervis Mims Road (Parcel 2-051H-05-007.00, PPIN 39197, Ward 5) from Section 4.5.3, R-1A (Single-Family Residential) District to Section 4.5.1, A-1 (Agricultural) District. The Planning Commission recommended to Approve on May 2, 2018.

Summary

Adopt an Ordinance to rezone 18 Jervis Mims Road, Ward 5, from R-1A (Single-Family Residential) District to A-1 (Agricultural) District.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

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 _____

**AN ORDINANCE CHANGING AND AMENDING THE
COMPREHENSIVE ZONING DISTRICT MAP, ADOPTED AS PART OF THE
LAND DEVELOPMENT CODE ORDINANCE NO. 3209, AS AMENDED,
FOR A CERTAIN PROPERTY LOCATED AT 18 JERVIS MIMS ROAD
(PARCEL 2-051H-05-007.00, PPIN 39197, WARD 5)
FROM SECTION 4.5.3, R-1A (SINGLE-FAMILY RESIDENTIAL) DISTRICT
TO SECTION 4.5.1, A-1 (AGRICULTURAL) DISTRICT.**

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

SECTION 1. That the Comprehensive Zoning District Map, adopted as part of the Comprehensive Zoning Ordinance No. 3209, as amended, of the City of Hattiesburg, Mississippi, be and the same is hereby changed and amended. The Hattiesburg Planning Commission recommended to Approve said change in zoning for the following reasons:

There is a material change in the circumstances and conditions of the neighborhood and area surrounding the petitioned property and there is a public need for the change in question, based on the comprehensive plan

Said properties are described as follows:

A parcel of land located in the SW 1/4 of the SE 1/4 of section 5, Township 3 North, Range 13 West, Forest county, Mississippi, and being more particularly described as follows:
Commence and began at a crimp Top pipe found marking the south east corner of the said SW1/4 of the SE 1/4; Thence run North 88 degrees 57'26" West along the south line of the said SW 1/4 of the SE 1/4 for 564.01 feet to a crop top pipe found on the Northern right of way line of Jervis Mims Road; Thence run North 56° 26'17" west along said Northwestern right of way line for 951.16 feet to a metal pipe found on the west line of this said SW 1/4 of The SE 1/4; thence run north 0 0° 17'15" west along said west line for 775.08 feet to a metal pipe found marking done

NW corner of the said SW1/4 Of the SE 1/4; thence Run North 87° 48'49" east along the north line of this said SW 1/4 of the SE 1/4 for 1355.21 feet to a Pine not found marking there in a corner of the said SW 1/4 of the SE 1/4; thence run South 0 0° 13'34" east along the east line of the sad SW 1/4 of the SE 1/4 for 1315.60 feet back to the point of beginning; said parcel contains 35.82 acres, more or less. Bearing in this description based on a GPS observation of geodetic North; all together with all improvements thereon and Appurtenances thereunto belonging.

SECTION 2. Except as hereby expressly changed and amended, the aforesaid Comprehensive Zoning District Map and the Land Development Code Ordinance No. 3209, 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, was introduced by Council member _____, seconded by Council member, _____ and adopted by the following vote to-wit:

YEAS:

NAYS:

The President declared the motion carried and the foregoing ordinance adopted and approved, this the _____ day of _____, A.D., 2018.

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

(S E A L)

THE above and foregoing Ordinance having been submitted to and approved by the Mayor, this the _____ day of _____ A.D., 2018.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

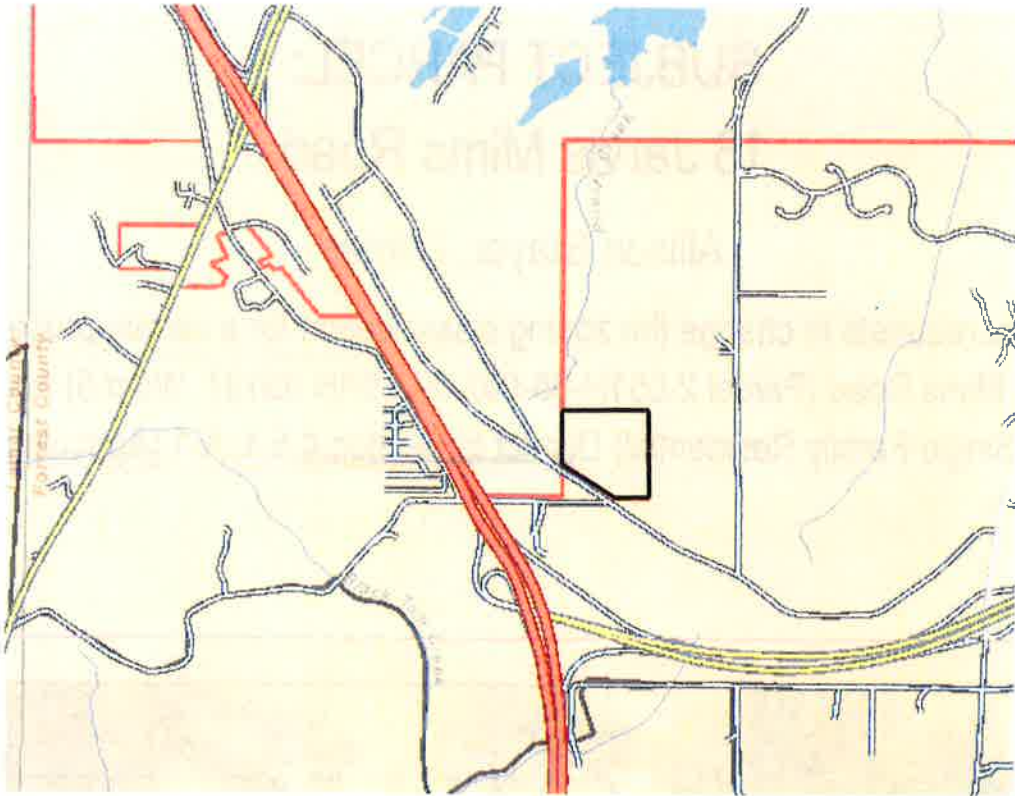
SUBJECT PARCEL: 18 Jervis Mims Road

Allison Stayer, Owner

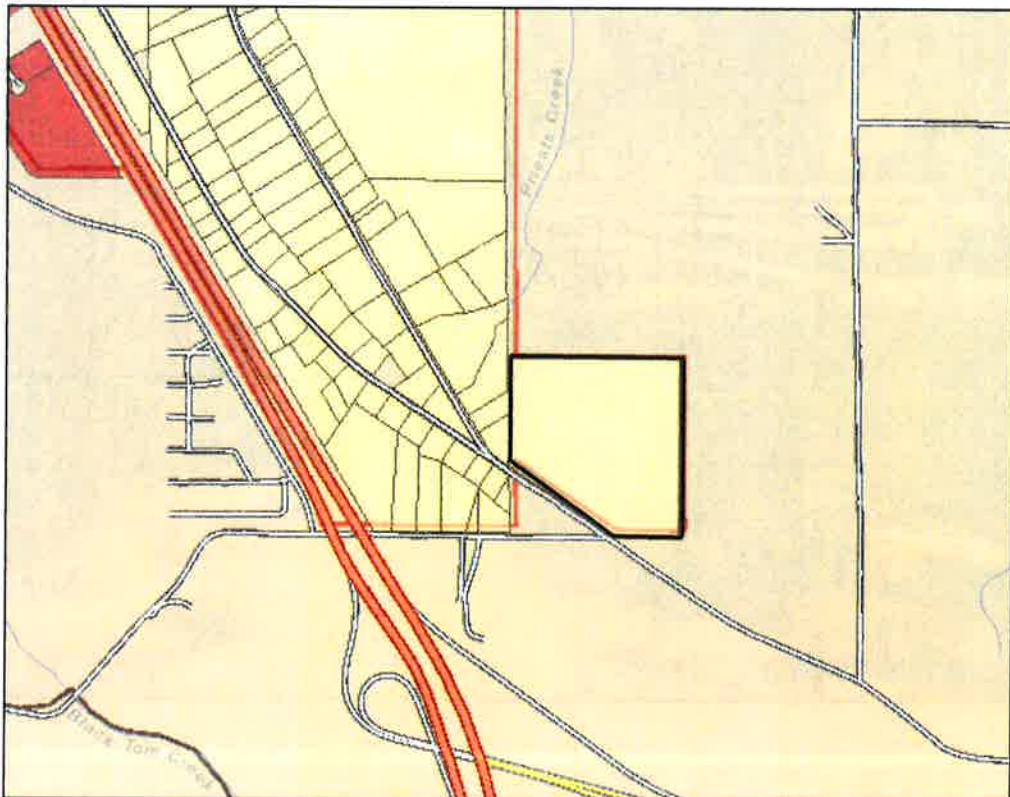
The applicant requests to change the zoning classification for a certain property located at 18 Jervis Mims Road (Parcel 2-051H-05-007.00, PPIN 39197, Ward 5) from Section 4.5.3, R-1A (Single-Family Residential) District to Section 4.5.1, A-1 (Agricultural) District.



Vicinity Map—Ward 5



Zoning—R-1A



Site Aerial



SURROUNDING AREA

Northern Direction: Outside of city limits



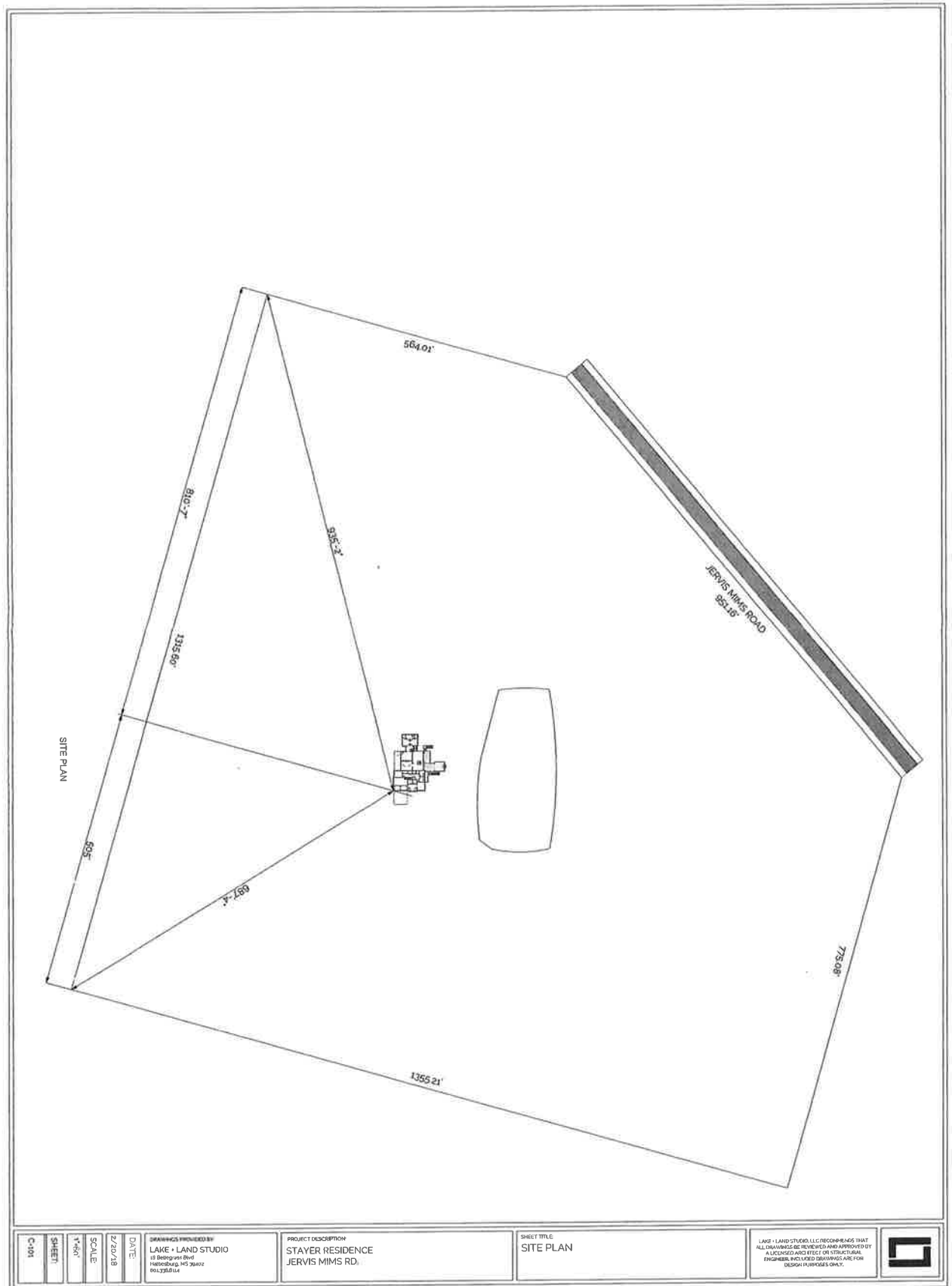
Southern Direction: Outside of city limits / Residential



Eastern Direction: Outside of city limits



Western Direction: R-1A (Single-Family) Residential / Residential



RECEIVED
MAR 01 2018
BY: *[Signature]*



**Planning Commission
Case Fact Sheet**

Property Owner: Allison Stayer

Address of Properties:	Tax Parcels	PPIN:	Ward:
18 Jervis Mims Road	2-051H-05-007.00	39197	5

Request: **Zoning Change**

Purpose of Request: To consider an application to change the zoning classification for a certain property located at 18 Jervis Mims Road (Parcel 2-051H-05-007.00, PPIN 39197, Ward 5) from Section 4.5.3, R-1A (Single-Family Residential) District to Section 4.5.1, A-1 (Agricultural) District.

Applicant Summary: See Attached

Applicable Regulations:

SECTION 4 Zoning Districts Established

4.5.3 R-1A Residential District: The purpose of the R-1A District is to permit single-family residential uses with related recreational, religious and educational facilities. This district is consistent with the Neighborhood Conservation 1 and 2 districts in the Comprehensive Plan. This zoning district encourages protected lower density residential neighborhoods with only compatible supporting institutional uses and open space.

4.5.1 A-1 Agricultural District: The purpose of the A-1 Agricultural District is to permit agricultural uses and low-density residential development. This district is consistent with the Rural Residential/Agricultural District in the Comprehensive Plan. The district is intended to encourage and protect rural uses from urbanization until such is warranted and the appropriate change in district classification is made.

Present Zoning: This parcel is currently zoned R-1A (Single-Family Residential)

Present Use: Undeveloped

Surrounding Zoning and Land Use:
North: Outside of City Limits
South: Outside of City Limits / Residential
East: Outside of City Limits
West: R-1A (Single-Family) Residential / Residential

Most Nearly Bounded By (streets): This parcel is accessible from South and West by Jervis Mims Road. It is bounded on the North by US Highway 11, on the East by Bonhomie Road.

Letters or Concerns stated: The Planning Division Office has not received any letters or other written communications relative to this case as of April 18, 2018

History / Background: This property was zoned R-1A on 7/22/2008 by the City Council due to annexation.
Prior to that zoning designation, R-1C zoning was denied by the Planning Commission on 5/7/2008.
A Planned Residential Development and subdivision of the land was denied by City Council on 8/19/2008

Basis for Approval:

1. There is a mistake in the original zoning.
2. The character of the neighborhood **(has / has not)** changed substantially so that rezoning is clearly justified and there **(is / is not)** a public need for the rezoning
3. Annexation

**MINUTES OF THE
REGULAR MEETING OF THE
HATTIESBURG PLANNING COMMISSION
May 2, 2018**

The Hattiesburg Planning Commission did meet in a regular session on May 2, 2018 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: Amy Hinton, Vice-Chairman
James Hughes
Mark Miller
Rebekah Ray
Paul Sims
Kenneth Waites

Commissioners Absent: Dick Conville, Chairman
Judy Cortis
Sandra Thompson
Jessie Wilson

Also Present: Ginger Maddox Lowrey, AICP, Planning Division Manager
Stephen Guthrie, Planner
Steve Mitchell, Building Official

In Chairman Cornville’s absence Vice-Chairman Hinton presided over the meeting. Vice-Chairman Hinton declared the meeting of the Hattiesburg Planning Commission open and in session at 1:15 P.M.

INVOCATION

Vice-Chairman Hinton held a moment of silence.

AGENDA REVIEW

There came the matter of the May 2018 Agenda. A request was made by Vice-Chairman Hinton for a motion to approve the May 2018 Agenda. A motion was made to approve the May 2018 Agenda by Commissioner Ray and seconded by Commissioner Hughes.

Commissioners voting aye: Amy Hinton, Vice-Chairman
James Hughes
Mark Miller
Rebekah Ray
Paul Sims
Kenneth Waites

Commissioners voting nay: None

MINUTES REVIEW

There came the matter of the April 4, 2018, minutes. A request was made by Vice-Chairman Hinton for a motion to approve the April 4, 2018 minutes. A motion was made by Commissioner Waites to approve the minutes and seconded by Commissioner Ray.

There came the matter to amend the March 7, 2018 minutes. A request was made by Vice-Chairman Hinton for a motion to approve the amended March 7, 2018 minutes. A motion was made by Commissioner Hughes to approve the minutes and seconded by Commission Ray.

Commissioners voting aye: Amy Hinton, Vice-Chairman
James Hughes
Mark Miller
Rebekah Ray
Paul Sims
Kenneth Waites

Commissioners voting nay: None

REPORTS

BUILDING REPORT

There came the matter of the Building Inspection Report. Steve Mitchell provided a building report for April 2018.

PLANNING REPORT

There came the matter of the Planning Report by Ginger Maddox Lowrey, AICP, Planning Division Manager. On April 17, 2018 the City Council reviewed the following Hattiesburg Planning Commission recommendations and voted as follows: The City Council approved the digital billboard by Clint Walker (HPC approval upheld); The City Council held the Mandalay Villas at Greystone Subdivision R-1B zoning denial appeal on April 16, 2018. The City Council denied the rezoning of Mandalay Villas at Greystone Subdivision as R-1B and instead approved the zoning of R-1A, as requested in writing by the applicant as an alternative zoning establishment. The request to rezone 208 N. 38th Ave from B-2 to B-3, denied by the HPC, has been appealed. The public hearing for that appeal has been set for May 21, 2018 at 4:00pm in City Hall before the City Council.

Mrs. Lowrey also informed the Commission of training opportunities for the Planning Commission, tentatively set for July 24 or 25.

CHAIRMAN'S REPORT

There came the matter of the Chairman's Report. No report was submitted

PUBLIC HEARING – PLANNING COMMISSION

Vice-Chairman Hinton declared the Public Hearing for the Planning Commission open at 1:20 P.M. and read the rules and procedures of the hearing.

There came the matter of Item A (Rezoning), filed by Allison Stayer, Owner, as required in the Land Development Code, Ord. No. 3209, to change the zoning classification for a certain property located at 18 Jervis Mims Road (Parcel 2-051H-05-007.00, PPIN 39197, Ward 5) from Section 4.5.3, R-1A (Single-Family Residential) District to Section 4.5.1, A-1

(Agricultural) District.

	Name	Address	City/State
<u>Presented by:</u>	Allison Stayer	3202 Jamestown Rd	Hattiesburg, MS
<u>Proponents:</u>	None		
<u>Opponents:</u>	None		

Vice-Chairman Hinton declared the Public Hearing closed and the Business Meeting open to vote on the request. Commissioner Miller made a motion to approve the request for rezoning because there is a material change in the circumstances and conditions of the neighborhood and area surrounding the petitioned property and there is a public need for the change in question, based on the Comprehensive Plan. The motion was seconded by Commissioner Waites.

Commissioners voting aye: Amy Hinton, Vice-Chairman
James Hughes
Mark Miller
Rebekah Ray
Paul Sims
Kenneth Waites

Commissioners voting nay: None

BUSINESS MEETING

There being no further business, the meeting was adjourned at 1:35 PM. Commissioner Miller made a motion to adjourn the meeting. The motion was seconded at Commissioner Hughes.

Amy Hinton, Vice-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 3230

**AN ORDINANCE CHANGING AND AMENDING THE
COMPREHENSIVE ZONING DISTRICT MAP, ADOPTED AS PART OF THE
LAND DEVELOPMENT CODE ORDINANCE NO. 3209, AS AMENDED,
FOR A CERTAIN PROPERTY LOCATED AT 18 JERVIS MIMS ROAD
(PARCEL 2-051H-05-007.00, PPIN 39197, WARD 5)
FROM SECTION 4.5.3, R-1A (SINGLE-FAMILY RESIDENTIAL) DISTRICT
TO SECTION 4.5.1, A-1 (AGRICULTURAL) DISTRICT.**

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

SECTION 1. That the Comprehensive Zoning District Map, adopted as part of the Comprehensive Zoning Ordinance No. 3209, as amended, of the City of Hattiesburg, Mississippi, be and the same is hereby changed and amended. The Hattiesburg Planning Commission recommended to Approve said change in zoning for the following reasons:

There is a material change in the circumstances and conditions of the neighborhood and area surrounding the petitioned property and there is a public need for the change in question, based on the comprehensive plan

Said properties are described as follows:

A parcel of land located in the SW 1/4 of the SE 1/4 of section 5, Township 3 North, Range 13 West, Forest county, Mississippi, and being more particularly described as follows:
Commence and began at a crimp Top pipe found marking the south east corner of the said SW1/4 of the SE 1/4; Thence run North 88 degrees 57'26' West along the south line of the said SW 1/4 of the SE 1/4 for 564.01 feet to a crop top pipe found on the Northern right of way line of Jervis Mims Road; Thence run North 56° 26'17" west along said Northwestern right of way line for 951.16 feet to a metal pipe found on the west line of this said SW 1/4 of The SE 1/4; thence run north 0° 17'15" west along said west line for 775.08 feet to a metal pipe found marking done

NW corner of the said SW1/4 Of the SE 1/4; thence Run North 87° 48'49" east along the north line of this said SW 1/4 of the SE 1/4 for 1355.21 feet to a Pine not found marking there in a corner of the said SW 1/4 of the SE 1/4; thence run South 0 0° 13'34" east along the east line of the sad SW 1/4 of the SE 1/4 for 1315.60 feet back to the point of beginning; said parcel contains 35.82 acres, more or less. Bearing in this description based on a GPS observation of geodetic North; all together with all improvements thereon and Appurtenances thereunto belonging.

SECTION 2. Except as hereby expressly changed and amended, the aforesaid Comprehensive Zoning District Map and the Land Development Code Ordinance No. 3209, 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, was introduced by Council member Brown, seconded by Council member, Dryden and adopted by the following vote to-wit:

YEAS: George
Delgado
Carroll
Dryden
Brown

NAYS: None

The President declared the motion carried and the foregoing ordinance adopted and approved, this the 22nd day of May, A.D., 2018.

ATTEST:

ADOPTED:


Deputy CLERK OF COUNCIL


PRESIDENT

(S E A L)

THE above and foregoing Ordinance having been submitted to and approved by the Mayor, this the 22nd day of May A.D., 2018.


CITY CLERK


MAYOR



City of Hattiesburg, MS

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

Master

File Number: 2018-471

File ID: 2018-471

Type: Ordinance

Status: Approved

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 05/14/2018

Brief Title: Adopting an ordinance amending the sworn Police Officers and sworn Fire Fighters pay scale exhibits.

Final Action: 05/22/2018

Minute Book Number: MB2018-131

Title:

APPROVE or DENY to Adopt an Ordinance amending Section 2-54(B) of the Code of Ordinances (the City of Hattiesburg's HAVPAY Ordinance), last amended by Ordinance Number 3154, adopted March 17, 2015, to reflect updated pay scale exhibits for sworn Police Officers and Fire Fighters.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-4

Sponsors:

Enactment Date:

Attachments: HAVPAY Ordinance, 2018, Police Department Pay Scale as Adopted 2018, Fire Department Pay Scale as Adopted 2018, ORD#3231, executed HAVPAY Ordinance, 2018

Enactment Number:

Contact:

Meeting Date: 05/22/2018

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	05/22/2018	Approve				Pass
Action Text: A MOTION was made by Council Vice President Dryden and seconded by Council Member George to APPROVE to Adopt an Ordinance (#3231) amending Section 2-54(B) of the Code of Ordinances (the City of Hattiesburg's HAVPAY Ordinance), last amended by Ordinance Number 3154, adopted March 17, 2015, to reflect updated pay scale exhibits for sworn Police Officers and Fire Fighters.							
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 2018-471

Title

APPROVE or DENY to Adopt an Ordinance amending Section 2-54(B) of the Code of Ordinances (the City of Hattiesburg's HAVPAY Ordinance), last amended by Ordinance Number 3154, adopted March 17, 2015, to reflect updated pay scale exhibits for sworn Police Officers and Fire Fighters.

Summary

Adopt an Ordinance amending the City of Hattiesburg's HAVPAY Ordinance (Ordinance 3154), to reflect updated pay scale exhibits for sworn Police Officers and Fire Fighters.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

ORDINANCE NO. _____

AN ORDINANCE ESTABLISHING A CLASSIFICATION COMPENSATION PLAN FOR THE CITY OF HATTIESBURG, MISSISSIPPI, AND REPEALING ORDINANCE NO. 2826, ADOPTED 8-19-03, AMENDED BY ORDINANCE NO. 2562, ADOPTED 8-20-96, AMENDED BY ORDINANCE NO. 2588, ADOPTED 2-18-97, AMENDED BY ORDINANCE NO. 2614, ADOPTED 11-18-97, AMENDED BY ORDINANCE NO. 2739, ADOPTED 11-21-00, AMENDED BY ORDINANCE NO. 2756, ADOPTED 7-17-01, AMENDED BY ORDINANCE NO. 2776, ADOPTED 1-22-02, AMENDED BY ORDINANCE NO. 3017, ADOPTED 10-7-08, AMENDED BY ORDINANCE NO. 3154, ADOPTED 3-17-15 AND ANY OTHER ORDINANCES IN CONFLICT THEREWITH.

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

Section 1: General Purpose

The general purpose of this Ordinance is to establish a classification/compensation plan for the City; to establish the framework of policy-making to guide the implementation of this Ordinance; and to describe executive and legislative responsibility. ,

Section II: Establishment of Classification/Compensation Plan

- A. Position classifications for all positions in the City, based upon similarity of duties performed and responsibilities assumed, have been created so that similar qualifications reasonably may be required for and applied to all positions in the same class. This position classification plan has been prepared by the Human Resources Manager, under the supervision of the Director of Administration, and approved by the Mayor.
 - 1. The Classification Plan shall create job classes, job families and job titles.
 - 2. The organization of work performed in any position shall be the responsibility of the Mayor, or his designee, and position descriptions shall be maintained by Human Resources to reflect assignment of work with qualifications and experience requirements.
- B. A variable compensation plan, known as the Hattiesburg Variable Pay Plan (HAVPAY), is established, as is Career Development for Sworn Policemen and Firemen and, they are attached as Exhibit A-1, Regular Employees; Exhibit A-2, Appointed Officials/Employees; Exhibit B, Career Development for Sworn Officers, as amended by Ordinance Number 3017, adopted October 7, 2008.
 - 1. Initial compensation is accomplished as follows:
 - a. Salary surveys of comparative public and private labor

markets will be conducted to establish a pay grade/salary range for each position.

- b. Survey findings are compared to existing pay and salary ranges for similar positions.

Section III: Annual Adjustments Through Creation, Abolition or Realignment of Positions

Creating or abolishing positions shall be the responsibility of the Mayor. Any adjustments through realignment shall be made through the following process:

- A. Positions to be created:
Any position may be created by the Mayor, but no hiring processes may begin until the salary range has been assigned under the provisions of Section II-B and approved by the Council during any regular or special meeting.
- B. Vacant Positions:
Funds for vacant positions may be reallocated to another position by the Mayor, but the reallocation must first be approved by the Council. Any position that remains vacant for three months will be considered abolished unless the supervisor provides justification and the Council approves an extension; funding for positions that are abolished due to a vacancy of three months will return to the General Fund.
- C. Employee Transfers and Promotions – The City of Hattiesburg encourages personal and/or professional growth and development of employees through internal transfers and promotions. Any employee may request to transfer or be transferred to another position and/or promoted to a position by the Mayor; Council approval is required for any subsequent change in salary.
- D. Position to be abolished:
Any position may be abolished by the Mayor and abandoned. Reallocation of funds for abolished or abandoned positions must first be approved by the Council during any regular or special meeting.
- E. Positions to be reallocated:
Any budgeted position may be reallocated to a different division or department by the Mayor, with Council approval. Any change in the approved pay range shall be approved by the City Council.
- F. Annual adjustments and funding:
Salary surveys shall be conducted by the Human Resources Division periodically at random, and on an as-needed basis for particular positions. The results of these surveys will be delivered to the Mayor, the Council, and appropriate Director s/Chiefs.
- G. Following delivery of the salary survey results to the Mayor, the Council, and appropriate Directors/Chiefs, the Human Resources Division will recommend pay range realignments, where applicable. Upon concurrence by the Mayor, pay range amendments will be presented to the City Council for adoption. If the new ranges are adopted, payroll changes will occur as the availability of funds permit, but not before the first payroll check in October in each fiscal year.
- H. Based upon availability of funds, merit increases may be approved once per fiscal year by the Mayor and with the approval of the Council, based upon a written evaluation of each employee. Evaluations and recommendations for increases, if any, will be submitted to the Mayor annually on the date designated for increases, by the appropriate Director/Chief. At the discretion of the Mayor and with the approval of the Council, increases may be given on an across - the - board basis. Other salary increases may be approved by the Mayor and with the approval of the Council within the approved HAVPAY ranges and within the approved budgets, from time to time as conditions may warrant. The City Council will receive quarterly transaction reports on other salary increases; on all new employees, including their positions, salaries and start dates; and on any new employees that were hired at a rate that exceeds the amount budgeted for that position. The City Council also will receive annual reports on employee salaries during the budget process.

Section IV: Responsibility of the Mayor

The administration of this Ordinance shall be the responsibility of the Mayor and the City Clerk/Director of Administration. A manpower document will be furnished to City Council Members with each proposed or amended budget to be approved by the City Council. The manpower document will include positions by title, cost center, department and dollars budgeted. Amendments to the manpower document will be recommended by Department Directors/Chiefs and approved by the City Clerk/Director of Administration and the Mayor. Dollars will be confirmed by Human Resources (Payroll), and the Director of Administration/City Clerk will advise the Council, as indicated herein.

Section V: Legislative Branch Responsibility

The City Council has established the initial pay ranges for each position title. Other changes and additions may be made from time to time by the Council at any regular or special meetings, as outlined hereinabove or upon the request of the Mayor. The City Council will control this Ordinance by its legislative responsibility in the budget process and by the approval of subsequent changes or additions at adoption of budgets or amended budgets, or at the request of the Mayor.

Section VI: Civil Service Procedure

If any provision of this Ordinance is in conflict with the Civil Service laws and regulations pertaining to certain Policemen and Firemen, or any other municipal employee, the Civil Service laws and rules shall take precedence in such instances over provisions of this Ordinance.

Section VII: Career Development Plans

The Career Development Plans for Sworn Police Officers and Fire Fighters are attached hereto and made a part of this Ordinance as if copied in its entirety herein (Attachment B).

Section VIII: Separability

If any provision of this Ordinance shall be held invalid, the remainder of this Ordinance and the application of such to persons or circumstances other than those to which it is held invalid shall not be affected thereby.

Section IX: That Ordinance 2826, adopted 8-19-03, amended by Ordinance 2562, adopted 8-20-96, amended by Ordinance No. 2588, adopted 2-18-97, amended by Ordinance No. 2614, adopted 11-18-97, amended by Ordinance no. 2739, adopted 11-21-00, amended by Ordinance No. 2756, adopted 7-17-01, amended by Ordinance No. 2776, adopted 1-22-02, amended by Ordinance No. 3154, adopted 3-15-17 and any other ordinances in conflict, be and the same are hereby repealed.

Section X: That this Ordinance shall take effect and be in force from and after passage as provided by law.

The foregoing Ordinance 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 foregoing Ordinance adopted and approved, this the 22nd day of May, A.D., 2018.

(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 22nd day of May, A.D., 2018.

ATTEST:

APPROVED:

DEPUTY CITY CLERK

MAYOR

	<u>Base</u>	<u>Associates</u>	<u>Bachelor</u>	<u>Masters</u>
<u>Police Officer</u>				
1	35,000.00	36,000.00	37,000.00	38,000.00
2	36,500.00	37,500.00	38,500.00	39,500.00
3	38,000.00	39,000.00	40,000.00	41,000.00
4	39,500.00	40,500.00	41,500.00	42,500.00
5	41,000.00	42,000.00	43,000.00	44,000.00
6	42,500.00	43,500.00	44,500.00	45,500.00
7	44,000.00	45,000.00	46,000.00	47,000.00
8	45,500.00	46,500.00	47,500.00	48,500.00
9	47,000.00	48,000.00	49,000.00	50,000.00
10	48,500.00	49,500.00	50,500.00	51,500.00
<u>Detectives</u>				
1	37,000.00	38,000.00	39,000.00	40,000.00
2	38,500.00	39,500.00	40,500.00	41,500.00
3	40,000.00	41,000.00	42,000.00	43,000.00
4	41,500.00	42,500.00	43,500.00	44,500.00
5	43,000.00	44,000.00	45,000.00	46,000.00
6	44,500.00	45,500.00	46,500.00	47,500.00
7	46,000.00	47,000.00	48,000.00	49,000.00
8	47,500.00	48,500.00	49,500.00	50,500.00
9	49,000.00	50,000.00	51,000.00	52,000.00
10	50,500.00	51,500.00	52,500.00	53,500.00
<u>Sergeant Police Officer</u>				
1	50,000.00	51,000.00	52,000.00	53,000.00
2	51,500.00	52,500.00	53,500.00	54,500.00
3	53,000.00	54,000.00	55,000.00	56,000.00
4	54,500.00	55,500.00	56,500.00	57,500.00
5	56,000.00	57,000.00	58,000.00	59,000.00
<u>Lieutenant</u>				
1	57,500.00	58,500.00	59,500.00	60,500.00
2	59,000.00	60,000.00	61,000.00	62,000.00
3	60,500.00	61,500.00	62,500.00	63,500.00
4	62,000.00	63,000.00	64,000.00	65,000.00
5	63,500.00	64,500.00	65,500.00	66,500.00
<u>Captain</u>				
1	65,000.00	66,000.00	67,000.00	68,000.00
2	66,500.00	67,500.00	68,500.00	69,500.00
3	68,000.00	69,000.00	70,000.00	71,000.00
4	69,500.00	70,500.00	71,500.00	72,500.00
5	71,000.00	72,000.00	73,000.00	74,000.00
<u>Major</u>				
1	72,500.00	73,500.00	74,500.00	75,500.00
2	74,000.00	75,000.00	76,000.00	77,000.00
3	75,500.00	76,500.00	77,500.00	78,500.00
4	77,000.00	78,000.00	79,000.00	80,000.00
5	78,500.00	79,500.00	80,500.00	81,500.00
<u>Assistant Chief</u>				
1	80,000.00	81,000.00	82,000.00	83,000.00
2	81,500.00	82,500.00	83,500.00	84,500.00
3	83,000.00	84,000.00	85,000.00	86,000.00
4	84,500.00	85,500.00	86,500.00	87,500.00
5	86,000.00	87,000.00	88,000.00	89,000.00
<u>Chief</u>				
	95,000.00			

	<u>Base</u>	<u>Associates/EMT</u>	<u>Bachelor</u>	<u>Masters</u>
<u>Fire Fighter</u>				
1	30,000.00	31,000.00	32,000.00	33,000.00
2	31,500.00	32,500.00	33,500.00	34,500.00
3	33,000.00	34,000.00	35,000.00	36,000.00
4	34,500.00	35,500.00	36,500.00	37,500.00
5	36,000.00	37,000.00	38,000.00	39,000.00
6	37,500.00	38,500.00	39,500.00	40,500.00
7	39,000.00	40,000.00	41,000.00	42,000.00
8	40,500.00	41,500.00	42,500.00	43,500.00
9	42,000.00	43,000.00	44,000.00	45,000.00
10	43,500.00	44,500.00	45,500.00	46,500.00
11	45,000.00	46,000.00	47,000.00	48,000.00
12	46,500.00	47,500.00	48,500.00	49,500.00
<u>Fire Fighter Relief Driver</u>				
1	33,000.00	34,000.00	35,000.00	36,000.00
2	34,500.00	35,500.00	36,500.00	37,500.00
3	36,000.00	37,000.00	38,000.00	39,000.00
4	37,500.00	38,500.00	39,500.00	40,500.00
5	39,000.00	40,000.00	41,000.00	42,000.00
6	40,500.00	41,500.00	42,500.00	43,500.00
7	42,000.00	43,000.00	44,000.00	45,000.00
8	43,500.00	44,500.00	45,500.00	46,500.00
9	45,000.00	46,000.00	47,000.00	48,000.00
10	46,500.00	47,500.00	48,500.00	49,500.00
11	48,000.00	49,000.00	50,000.00	51,000.00
12	49,500.00	50,500.00	51,500.00	52,500.00
<u>Fire Fighter Engineer</u>				
1	40,000.00	41,000.00	42,000.00	43,000.00
2	41,500.00	42,500.00	43,500.00	44,500.00
3	43,000.00	44,000.00	45,000.00	46,000.00
4	44,500.00	45,500.00	46,500.00	47,500.00
5	46,000.00	47,000.00	48,000.00	49,000.00
6	47,500.00	48,500.00	49,500.00	50,500.00
7	49,000.00	50,000.00	51,000.00	52,000.00

8	50,500.00	51,500.00	52,500.00	53,500.00
9	52,000.00	53,000.00	54,000.00	55,000.00
10	53,500.00	54,500.00	55,500.00	56,500.00
11	55,000.00	56,000.00	57,000.00	58,000.00
12	56,500.00	57,500.00	58,500.00	59,500.00
<u>Fire Fighter Lieutenant</u>				
1	43,000.00	44,000.00	45,000.00	46,000.00
2	44,500.00	45,500.00	46,500.00	47,500.00
3	46,000.00	47,000.00	48,000.00	49,000.00
4	47,500.00	48,500.00	49,500.00	50,500.00
5	49,000.00	50,000.00	51,000.00	52,000.00
6	50,500.00	51,500.00	52,500.00	53,500.00
7	52,000.00	53,000.00	54,000.00	55,000.00
8	53,500.00	54,500.00	55,500.00	56,500.00
9	55,000.00	56,000.00	57,000.00	58,000.00
10	56,500.00	57,500.00	58,500.00	59,500.00
<u>Fire Fighter Captain</u>				
1	47,000.00	48,000.00	49,000.00	50,000.00
2	48,500.00	49,500.00	50,500.00	51,500.00
3	50,000.00	51,000.00	52,000.00	53,000.00
4	51,500.00	52,500.00	53,500.00	54,500.00
5	53,000.00	54,000.00	55,000.00	56,000.00
6	54,500.00	55,500.00	56,500.00	57,500.00
7	56,000.00	57,000.00	58,000.00	59,000.00
8	57,500.00	58,500.00	59,500.00	60,500.00
9	59,000.00	60,000.00	61,000.00	62,000.00
10	60,500.00	61,500.00	62,500.00	63,500.00
<u>Fire Fighter Batallion Chief</u>				
1	60,000.00	61,000.00	62,000.00	63,000.00
2	61,500.00	62,500.00	63,500.00	64,500.00
3	63,000.00	64,000.00	65,000.00	66,000.00
4	64,500.00	65,500.00	66,500.00	67,500.00
5	66,000.00	67,000.00	68,000.00	69,000.00
<u>Fire Fighter Assistant Chief</u>				
1	64,000.00	65,000.00	66,000.00	67,000.00

2	65,500.00	66,500.00	67,500.00	68,500.00
3	67,000.00	68,000.00	69,000.00	70,000.00
4	68,500.00	69,500.00	70,500.00	71,500.00
5	70,000.00	71,000.00	72,000.00	73,000.00
<u>Fire Department Chief</u>	77,000.00			

ORDINANCE NO. 3231

AN ORDINANCE ESTABLISHING A CLASSIFICATION COMPENSATION PLAN FOR THE CITY OF HATTIESBURG, MISSISSIPPI, AND REPEALING ORDINANCE NO. 2826, ADOPTED 8-19-03, AMENDED BY ORDINANCE NO. 2562, ADOPTED 8-20-96, AMENDED BY ORDINANCE NO. 2588, ADOPTED 2-18-97, AMENDED BY ORDINANCE NO. 2614, ADOPTED 11-18-97, AMENDED BY ORDINANCE NO. 2739, ADOPTED 11-21-00, AMENDED BY ORDINANCE NO. 2756, ADOPTED 7-17-01, AMENDED BY ORDINANCE NO. 2776, ADOPTED 1-22-02, AMENDED BY ORDINANCE NO. 3017, ADOPTED 10-7-08, AMENDED BY ORDINANCE NO. 3154, ADOPTED 3-17-15 AND ANY OTHER ORDINANCES IN CONFLICT THEREWITH.

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

Section 1: General Purpose

The general purpose of this Ordinance is to establish a classification/compensation plan for the City; to establish the framework of policy-making to guide the implementation of this Ordinance; and to describe executive and legislative responsibility. ,

Section II: Establishment of Classification/Compensation Plan

- A. Position classifications for all positions in the City, based upon similarity of duties performed and responsibilities assumed, have been created so that similar qualifications reasonably may be required for and applied to all positions in the same class. This position classification plan has been prepared by the Human Resources Manager, under the supervision of the Director of Administration, and approved by the Mayor.
 1. The Classification Plan shall create job classes, job families and job titles.
 2. The organization of work performed in any position shall be the responsibility of the Mayor, or his designee, and position descriptions shall be maintained by Human Resources to reflect assignment of work with qualifications and experience requirements.
- B. A variable compensation plan, known as the Hattiesburg Variable Pay Plan (HAVPAY), is established, as is Career Development for Sworn Policemen and Firemen and, they are attached as Exhibit A-1, Regular Employees; Exhibit A-2, Appointed Officials/Employees; Exhibit B, Career Development for Sworn Officers, as amended by Ordinance Number 3017, adopted October 7, 2008.
 1. Initial compensation is accomplished as follows:
 - a. Salary surveys of comparative public and private labor

markets will be conducted to establish a pay grade/salary range for each position.

- b. Survey findings are compared to existing pay and salary ranges for similar positions.

Section III: Annual Adjustments Through Creation, Abolition or Realignment of Positions

Creating or abolishing positions shall be the responsibility of the Mayor. Any adjustments through realignment shall be made through the following process:

- A. Positions to be created:
Any position may be created by the Mayor, but no hiring processes may begin until the salary range has been assigned under the provisions of Section II-B and approved by the Council during any regular or special meeting.
- B. Vacant Positions:
Funds for vacant positions may be reallocated to another position by the Mayor, but the reallocation must first be approved by the Council. Any position that remains vacant for three months will be considered abolished unless the supervisor provides justification and the Council approves an extension; funding for positions that are abolished due to a vacancy of three months will return to the General Fund.
- C. Employee Transfers and Promotions – The City of Hattiesburg encourages personal and/or professional growth and development of employees through internal transfers and promotions. Any employee may request to transfer or be transferred to another position and/or promoted to a position by the Mayor; Council approval is required for any subsequent change in salary.
- D. Position to be abolished:
Any position may be abolished by the Mayor and abandoned. Reallocation of funds for abolished or abandoned positions must first be approved by the Council during any regular or special meeting.
- E. Positions to be reallocated:
Any budgeted position may be reallocated to a different division or department by the Mayor, with Council approval. Any change in the approved pay range shall be approved by the City Council.
- F. Annual adjustments and funding:
Salary surveys shall be conducted by the Human Resources Division periodically at random, and on an as-needed basis for particular positions. The results of these surveys will be delivered to the Mayor, the Council, and appropriate Director s/Chiefs.
- G. Following delivery of the salary survey results to the Mayor, the Council, and appropriate Directors/Chiefs, the Human Resources Division will recommend pay range realignments, where applicable. Upon concurrence by the Mayor, pay range amendments will be presented to the City Council for adoption. If the new ranges are adopted, payroll changes will occur as the availability of funds permit, but not before the first payroll check in October in each fiscal year.
- H. Based upon availability of funds, merit increases may be approved once per fiscal year by the Mayor and with the approval of the Council, based upon a written evaluation of each employee. Evaluations and recommendations for increases, if any, will be submitted to the Mayor annually on the date designated for increases, by the appropriate Director/Chief. At the discretion of the Mayor and with the approval of the Council, increases may be given on an across - the - board basis. Other salary increases may be approved by the Mayor and with the approval of the Council within the approved HAVPAY ranges and within the approved budgets, from time to time as conditions may warrant. The City Council will receive quarterly transaction reports on other salary increases; on all new employees, including their positions, salaries and start dates; and on any new employees that were hired at a rate that exceeds the amount budgeted for that position. The City Council also will receive annual reports on employee salaries during the budget process.

Section IV: Responsibility of the Mayor

The administration of this Ordinance shall be the responsibility of the Mayor and the City Clerk/Director of Administration. A manpower document will be furnished to City Council Members with each proposed or amended budget to be approved by the City Council. The manpower document will include positions by title, cost center, department and dollars budgeted. Amendments to the manpower document will be recommended by Department Directors/Chiefs and approved by the City Clerk/Director of Administration and the Mayor. Dollars will be confirmed by Human Resources (Payroll), and the Director of Administration/City Clerk will advise the Council, as indicated herein.

Section V: Legislative Branch Responsibility

The City Council has established the initial pay ranges for each position title. Other changes and additions may be made from time to time by the Council at any regular or special meetings, as outlined hereinabove or upon the request of the Mayor. The City Council will control this Ordinance by its legislative responsibility in the budget process and by the approval of subsequent changes or additions at adoption of budgets or amended budgets, or at the request of the Mayor.

Section VI: Civil Service Procedure

If any provision of this Ordinance is in conflict with the Civil Service laws and regulations pertaining to certain Policemen and Firemen, or any other municipal employee, the Civil Service laws and rules shall take precedence in such instances over provisions of this Ordinance.

Section VII: Career Development Plans

The Career Development Plans for Sworn Police Officers and Fire Fighters are attached hereto and made a part of this Ordinance as if copied in its entirety herein (Attachment B).

Section VIII: Separability

If any provision of this Ordinance shall be held invalid, the remainder of this Ordinance and the application of such to persons or circumstances other than those to which it is held invalid shall not be affected thereby.

Section IX: That Ordinance 2826, adopted 8-19-03, amended by Ordinance 2562, adopted 8-20-96, amended by Ordinance No. 2588, adopted 2-18-97, amended by Ordinance No. 2614, adopted 11-18-97, amended by Ordinance no. 2739, adopted 11-21-00, amended by Ordinance No. 2756, adopted 7-17-01, amended by Ordinance No. 2776, adopted 1-22-02, amended by Ordinance No. 3154, adopted 3-15-17 and any other ordinances in conflict, be and the same are hereby repealed.

Section X: That this Ordinance shall take effect and be in force from and after passage as provided by law.

The foregoing Ordinance having been reduced to writing, the same 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 foregoing Ordinance adopted and approved, this the 22nd day of May, A.D., 2018.

(S E A L)

ATTEST:

ADOPTED:

Deputy 
CLERK OF COUNCIL

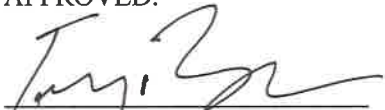

PRESIDENT

THE above foregoing Ordinance having been submitted to and approved by the Mayor, this the 22nd day of May, A.D., 2018.

ATTEST:

APPROVED:


DEPUTY CITY CLERK


MAYOR



City of Hattiesburg, MS

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

Master

File Number: 2018-464

File ID: 2018-464

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester: Chris Price

File Created: 05/14/2018

Brief Title: Adopt a Resolution setting a Public Hearing on unsafe properties on Monday July 2, 2018 in City Council Chambers.

Final Action: 05/22/2018

Minute Book Number: MB2018-131

Title: Adopt a Resolution setting a Public Hearing before City Council at 4 p.m. on Monday, July 2, 2018 in City Council Chambers to determine if certain properties are in such a state of uncleanliness so as to be a menace to the health and safety of the community and providing for notice to owners and authorize publication of the notice hearing.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-5

Sponsors:

Enactment Date:

Attachments: P.H. memo 5.21.18, RES-Set PH, Unsafe Properties, 5.22.18, RES#2018-71, executed RES-Set PH, Unsafe Properties, 5.22.18

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/22/2018	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 2018-464

Title

Adopt a Resolution setting a Public Hearing before City Council at 4 p.m. on Monday, July 2,

2018 in City Council Chambers to determine if certain properties are in such a state of uncleanliness so as to be a menace to the health and safety of the community and providing for notice to owners and authorize publication of the notice hearing.

Summary

Adopt a Resolution setting a Public Hearing on unsafe properties on Monday July 2, 2018 in City Council Chambers.

Budget Information

Expenditure Type

Purchasing Item

Publication Information



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: Mayor and City Council

FROM: Chris Price, Code Enforcement Division Manager

DATE: May 14, 2018

RE: Setting of Public Hearing

I hereby request the setting of a Public Hearing at 4 p.m. on Monday July 2, 2018, to determine if the properties listed below constitute issues of safety and health according to the provisions of MS Code of 1972, Section 21-19-11.

Address	PPIN #	Ward	Violations
1. 804 East 6 th St.	015451	2	AB, DB, OGL, T&L, VS, DM
2. 1104 Franklin St.	024108	2	AB, DB, OGL, US, T&L, VS DM
3. 315 Miller St.	020574	2	DS, OGL, US, T&L, DM
4. 990 Hardy St.	013242	4	OGL, VS
5. 530 Buschman St.	015803	4	DS, OGL, T&L
6. 1326 Pine St.	015216	5	AB, DS, OGL
7. 210 Rosa Ave.	013821	2	OGL, VS
8. 325 Emerson Dr.	022813	4	OGL, T&L, VS
9. 607 Graymont Ave.	024991	2	OGL
10. 3818 Eagle Dr.	014881	1	ES, OGL, T&L, VS
11. 107 E. 7 th St.	014449	2	OGL, T&L
12. 705 Bouie St.	017501	2	DS, OGL, T&L, VS

Trash & Litter=T&L
Vacant Structure=VS
Dangerous Structure=DS
Overgrown Lot=OGL
Open Storage=OS
Protective Treatment=PT
Accessory Structure=AS
Unsafe Structure=US
Abandoned Vehicle=AV
Interior Structure=IS
Exterior Structure=ES
Electrical=EL
Responsibility (Water)=RW
Hazardous Tree=HT
Glazing=GL
PID=Premise Id
X's2=2 Structures
Structure Built in Right of Way= SBROW
Demo=DM

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, Mississippi 39403-1898

Return to:
City of Hattiesburg
City Clerk’s Office
P.O. Box 1898
Hattiesburg, Mississippi 39403-1898

RESOLUTION

WHEREAS, complaint has been made to the City of Hattiesburg, Mississippi, that the following properties to wit:

<u>Address</u>	<u>PPIN #</u>	<u>Ward</u>	<u>Violations</u>
1. 804 East 6 th St.	015451	2	AB, DB, OGL, T&L, VS, DM
2. 1104 Franklin St.	024108	2	AB, DB, OGL, US, T&L, VS DM
3. 315 Miller St.	020574	2	DS, OGL, US, T&L, DM
4. 990 Hardy St.	013242	4	OGL, VS
5. 530 Buschman St.	015803	4	DS, OGL, T&L
6. 1326 Pine St.	015216	5	AB, DS, OGL
7. 210 Rosa Ave.	013821	2	OGL, VS
8. 325 Emerson Dr.	022813	4	OGL, T&L, VS
9. 607 Graymont Ave.	024991	2	OGL, VS
10. 3118 Eagle Dr.	014881	1	ES, OGL, T&L, VS
11. 107 E. 7 th St.	014449	2	OGL, T&L
12. 705 Bouie St.	017501	2	DS, OGL, T&L, VS

are in such a state of uncleanliness so as to be a menace to the health and safety of the community; and

WHEREAS, it is in the public interest that the City Council, on its own motion, hold hearings as provided by Section 21-19-11 of the Mississippi Code of 1972, as annotated and amended, to determine whether or not the above properties are in such a state of uncleanness so as to be a menace to the health and safety of the community.

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Hattiesburg, Mississippi, that the owners of the above-described properties be notified, as provided by law, of a hearing to be held by the City Council in Council Chambers of City Hall in Hattiesburg, Mississippi, at 4:00 p.m. on Monday, July 2, 2018, to determine whether or not the above-described properties are in such a state of uncleanness so as to be a menace to the health and safety of the community.

The above and foregoing Resolution, 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:

ABSENT:

The President thereby declared the motion carried and the resolution adopted, this the 22nd day of May, A.D., 2018.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this the 22nd day of May, A.D., 2018.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

Prepared by:
City of Hattiesburg
Code Enforcement
P.O. Box 1898
Hattiesburg, Mississippi 39403-1898

Return to:
City of Hattiesburg
City Clerk’s Office
P.O. Box 1898
Hattiesburg, Mississippi 39403-1898

RESOLUTION

WHEREAS, complaint has been made to the City of Hattiesburg, Mississippi, that the following properties to wit:

<u>Address</u>	<u>PPIN #</u>	<u>Ward</u>	<u>Violations</u>
1. 804 East 6 th St.	015451	2	AB, DB, OGL, T&L, VS, DM
2. 1104 Franklin St.	024108	2	AB, DB, OGL, US, T&L, VS DM
3. 315 Miller St.	020574	2	DS, OGL, US, T&L, DM
4. 990 Hardy St.	013242	4	OGL, VS
5. 530 Buschman St.	015803	4	DS, OGL, T&L
6. 1326 Pine St.	015216	5	AB, DS, OGL
7. 210 Rosa Ave.	013821	2	OGL, VS
8. 325 Emerson Dr.	022813	4	OGL, T&L, VS
9. 607 Graymont Ave.	024991	2	OGL, VS
10. 3118 Eagle Dr.	014881	1	ES, OGL, T&L, VS
11. 107 E. 7 th St.	014449	2	OGL, T&L
12. 705 Bouie St.	017501	2	DS, OGL, T&L, VS

are in such a state of uncleanness so as to be a menace to the health and safety of the community; and

WHEREAS, it is in the public interest that the City Council, on its own motion, hold hearings as provided by Section 21-19-11 of the Mississippi Code of 1972, as annotated and amended, to determine whether or not the above properties are in such a state of uncleanness so as to be a menace to the health and safety of the community.

NOW, THEREFORE, BE IT RESOLVED by the Council of the City of Hattiesburg, Mississippi, that the owners of the above-described properties be notified, as provided by law, of a hearing to be held by the City Council in Council Chambers of City Hall in Hattiesburg, Mississippi, at 4:00 p.m. on Monday, July 2, 2018, to determine whether or not the above-described properties are in such a state of uncleanness so as to be a menace to the health and safety of the community.

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

YEAS: George
Delgado
Carroll
Dryden
Brown

NAYS: None

ABSENT:

The President thereby declared the motion carried and the resolution adopted, this the 22nd day of May, A.D., 2018.

(SEAL)

ATTEST:

ADOPTED:

Deputy 
CLERK OF COUNCIL


PRESIDENT

The above and foregoing Resolution, having been submitted to and approved by the Mayor, this the 22nd day of May, A.D., 2018.

ATTEST:

APPROVED:


CITY CLERK


MAYOR



City of Hattiesburg, MS

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

Master

File Number: 2018-467

File ID: 2018-467

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 05/14/2018

Brief Title: Adopt a Resolution designating City of Hattiesburg voting delegates for the 2018 MML Election.

Final Action: 05/22/2018

Minute Book Number: MB2018-132

Title:

Adopt a Resolution designating the City of Hattiesburg voting delegates for voting in the 2018 Mississippi Municipal League election.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-6

Sponsors:

Enactment Date:

Attachments: RES-Delegates, 2018 MML Election, RES#2018-72, executed RES-Delegates, 2018 MML Election

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	05/22/2018	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 2018-467

Title

Adopt a Resolution designating the City of Hattiesburg voting delegates for voting in the 2018 Mississippi Municipal League election.

Summary

Adopt a Resolution designating City of Hattiesburg voting delegates for the 2018 MML

Election.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

RESOLUTION

**RESOLUTION APPOINTING
MISSISSIPPI MUNICIPAL LEAGUE
2018 VOTING DELEGATES
FOR THE CITY OF HATTIESBURG**

Whereas, the Mississippi Municipal League amended the bylaws of the association to provide for a ballot election, to be conducted by the officers of the Mississippi Municipal clerks and Collectors Association, to be held each year at the summer convention, to elect a second vice president and to vote on any proposed bylaw changes; and

Whereas, the amended bylaws require the governing authority board(Alderman, City Council, City Commission) to designate in its minutes the voting delegate and one alternate to cast the vote for each member municipality.

NOW, THEREFORE, BE IT RESOLVED BY, THE COUNCIL OF THE CITY OF HATTIESBURG:

In accordance with the bylaws of the Mississippi Municipal League, the voting delegate(s) for 2018 Mississippi Municipal League election to be held at the annual convention on June26- June 27, 2018 are as follows:

Voting Delegate: Toby Barker , Mayor

First Alternate: Carter Carroll , City Council member, Ward 3

That public interest and necessity requiring same, this Resolution shall become effective upon passage.

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, to-wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the resolution adopted, this the 22nd day of May, 2018.

(SEAL)

ATTEST:

ADOPTED

CLERK OF COUNCIL

PRESIDENT

The above and foregoing resolution, having been submitted to and approved by the Mayor, this the 22nd day of May, 2018.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

RESOLUTION

**RESOLUTION APPOINTING
MISSISSIPPI MUNICIPAL LEAGUE
2018 VOTING DELEGATES
FOR THE CITY OF HATTIESBURG**

Whereas, the Mississippi Municipal League amended the bylaws of the association to provide for a ballot election, to be conducted by the officers of the Mississippi Municipal clerks and Collectors Association, to be held each year at the summer convention, to elect a second vice president and to vote on any proposed bylaw changes; and

Whereas, the amended bylaws require the governing authority board(Alderman, City Council, City Commission) to designate in its minutes the voting delegate and one alternate to cast the vote for each member municipality.

NOW, THEREFORE, BE IT RESOLVED BY, THE COUNCIL OF THE CITY OF HATTIESBURG:

In accordance with the bylaws of the Mississippi Municipal League, the voting delegate(s) for 2018 Mississippi Municipal League election to be held at the annual convention on June 26- June 27, 2018 are as follows:

Voting Delegate: Toby Barker , Mayor

First Alternate: Carter Carroll , City Council member, Ward 3

That public interest and necessity requiring same, this Resolution shall become effective upon passage.

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, to-wit:

YEAS:

George
Delgado
Carroll
Dryden
Brown

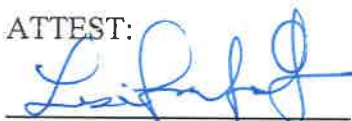
NAYS:

None

The President thereby declared the motion carried and the resolution adopted, this the 22nd day of May, 2018.

(SEAL)

ATTEST:



DEPUTY CLERK OF COUNCIL

ADOPTED:



PRESIDENT

The above and foregoing resolution, having been submitted to and approved by the Mayor, this the 22nd day of May, 2018.

ATTEST:



CITY CLERK

APPROVED:



MAYOR



City of Hattiesburg, MS

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

Master

File Number: 2018-466

File ID: 2018-466

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 05/14/2018

Brief Title: Adopt a Resolution authorizing Requisition No. 20 from the Project Fund Construction Account - 2016 Water/Sewer Bonds.

Final Action: 05/22/2018

Minute Book Number: MB2018-132

Title:

Adopt a Resolution authorizing Requisition No. 20 from the Project Fund Construction Account in connection with a certain loan agreement dated August 18, 2016, by and between the Mississippi Development Bank and the City of Hattiesburg.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-7

Sponsors:

Enactment Date:

Attachments: 2016 Bond Resolution No. 20, RES#2018-73, executed 2016 Bond Resolution No. 20

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/22/2018	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 2018-466

Title

Adopt a Resolution authorizing Requisition No. 20 from the Project Fund Construction Account

in connection with a certain loan agreement dated August 18, 2016, by and between the Mississippi Development Bank and the City of Hattiesburg.

Summary

Adopt a Resolution authorizing Requisition No. 20 from the Project Fund Construction Account - 2016 Water/Sewer Bonds.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

The City Council of the City of Hattiesburg, Mississippi (the “City”) acting for and on behalf of the City, took up for consideration the matter of requesting and authorizing Requisition No. **20** from the Project Fund Construction Account in connection with the loan agreement between the Mississippi Development Bank and the City dated August 18, 2016. After discussion of the subject, Council Member _____ offered and moved for the adoption of the following resolution:

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI (THE “CITY”) AUTHORIZING REQUISITION NO. 20 FROM THE PROJECT FUND CONSTRUCTION ACCOUNT IN CONNECTION WITH THAT CERTAIN LOAN AGREEMENT, DATED AS OF AUGUST 18, 2016, BY AND BETWEEN THE MISSISSIPPI DEVELOPMENT BANK AND THE CITY.

Whereas, on August 18, 2016 the City entered into a loan with the Mississippi Development Bank in an amount not to exceed \$25,000,000 (the “Loan”) pursuant to the terms and conditions of that certain loan agreement, dated as of August 18, 2016, by and between the Mississippi Development Bank and the City (the “Loan Agreement”).

Whereas, the City Council of the City now finds it necessary to approve Requisition No. **20** from the Project Fund Construction Account under the Loan in the total aggregate amount of **\$671,255.64** for the purpose of paying Water & Sewer Projects in connection with the loan as more particularly described in Exhibit A.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI:

SECTION 1. The City Council of the City hereby authorizes and approves Requisition No. **20** from the Project Fund Construction Account under the Loan in the total aggregate amount of **Six Hundred Seventy-One Thousand Two Hundred Fifty-five and 64/100 dollars (\$671,255.64)** for the purpose of paying Water & Sewer Projects in connection with the loan as more particularly described in Exhibit A.

SECTION 2. The City Council hereby directs Regions Bank, as Trustee to disburse funds of Requisition No.**20** in the total aggregate amount of **Six Hundred Seventy-One Thousand Two Hundred Fifty-five and 64/100 dollars (\$671,255.64)**as authorized herein, as more particularly described in Exhibit A.

SECTION 3. The Mayor and City Clerk are hereby authorized and directed for and on behalf of the City to take any and all action as may be required by the City to carry out and give effect to the aforesaid documents authorized pursuant to this Resolution and to execute all papers, documents, certificates and other instruments that may be required for the carrying out of the authority conferred by this Resolution in order to evidence the authority.

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:

ABSENT:

The motion having received the affirmative vote of a majority of the Council members present, the President declared the motion carried and the resolution adopted, on this the **22nd day** of **May**, 2018.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the **22nd day** of **May**, 2018.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

EXHIBIT A

PROJECT FUND CONSTRUCTION ACCOUNT REQUISITION

PROJECT FUND CONSTRUCTION ACCOUNT REQUISITION

RE: \$25,000,000.00 Mississippi Development Bank Taxable Special Obligation Bonds, Series 2016 (Hattiesburg, Mississippi Combined Water and Sewer System Construction Project) (the "Series 2016 Bonds") secured by \$25,000,000.00 Taxable Promissory Note (Hattiesburg, Mississippi Combined Water and Sewer System Construction Project), dated August 18, 2016 (the "Series 2016 Note").

**TO: Regions Bank
400 West Capitol, 7th Floor
Little Rock, AR 72201
ATTN: Corporate Trust Department**

REQUISITION NO.: 20

DATE OF REQUISITION: 5/22/2018

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
1	C B Developers, Inc. 1716 Evelyn Gandy Pkwy., Suite 40 Hattiesburg, MS 39401	93695.7245.51	\$ 371,452.03	Pay App 3	Water Improvements Ph II Period: 03/26/18 - 04/07/18 MB: 2017-340
2	C B Developers, Inc. 1716 Evelyn Gandy Pkwy., Suite 40 Hattiesburg, MS 39401	093695.7245.53	\$ 12,982.50	Pay Est 3	Water Ph IV - Misc. Period: 12/21/17 - 2/19/18 MB: 2017-109
3	C B Developers, Inc. 1716 Evelyn Gandy Pkwy., Suite 40 Hattiesburg, MS 39401	093695.7245.62	\$ 62,981.08	Pay App 4	Water Improvements Ph V Period: 02/26/18 - 03/25/18 MB: 2017-341 & 334
4	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7245.62	\$ 3,667.50	20244	Water Improvements Ph V Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW # 1273-W013
5	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7245.51	\$ 16,402.50	20243	Water Ph II - Palmers Crossing Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW #1273-W007

6	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7220.54	\$	14,500.00	20241	Sewer Improvements Ph V Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW Project# 1273-S005
7	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7220.51	\$	1,137.50	20240	Sewer Improvements Ph XII Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW #1273-S012
8	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	93695.7220.75	\$	2,537.50	20178	CIPP Project Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW #11256
9	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7220.71	\$	4,077.50	20200	Sewer Improvements Phase IX - Buschman & 2nd Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW #1273-S014
10	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7220.72	\$	6,847.50	20222	Sewer Improvements Phase X - Quinn St. Area Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW #1273-S011
11	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7295.70	\$	4,125.00	20223	Water Plant #1 Rehabilitation Period: 03/24/18-4/28/18 MB 2017-81 SDW #1273-W015
12	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7220.72	\$	170,545.03	20250	Sewer Improvements Phase X - Quinn St. Area Period: 04/22/18-05/12/18 MB 2011-4/89-110 SDW #1273-S011

\$	671,255.64
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CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 3, 2018
Project No: 1273-W013.001
Invoice No: 20244

Project Manager Kyle Wallace
Project 1273-W013.001 COMSWIP Water Phase V - I59 Crossing - Construction Phase

Professional Services from March 24, 2018 to April 28, 2018

Phase CM Construction Management

Professional Personnel

	Hours	Rate	Amount	
SR. RESIDENT PROJECT REPRESENTATIVE				
Jackson, Terry	20.00	85.00	1,700.00	
Tingle, William	2.00	95.00	190.00	
GRADUATE ENGINEER				
Riley, Ivy	.50	105.00	52.50	
PROJECT ENGINEER				
Sellers, Bennie	4.50	150.00	675.00	
Wallace, Kyle	6.00	175.00	1,050.00	
Totals	33.00		3,667.50	
Total Labor				3,667.50
		Total this Phase		\$3,667.50
		Total this Invoice		\$3,667.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695. 7245.62

MB 2011-4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

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CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 3, 2018
Project No: 1273-W007
Invoice No: 20243

Project Manager Kyle Wallace

Project 1273-W007 ComSWIP Water Phase II - Palmers Crossing

Professional Services from March 24, 2018 to April 28, 2018

Phase CM Palmer's Crossing - Construction Phase

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Jackson, Terry	87.00	85.00	7,395.00	
Tingle, William	49.50	85.00	4,207.50	
PROJECT ENGINEER				
Sellers, Bennie	9.00	150.00	1,350.00	
Wallace, Kyle	23.00	150.00	3,450.00	
Totals	168.50		16,402.50	
Total Labor				16,402.50
		Total this Phase		\$16,402.50
		Total this Invoice		\$16,402.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695. 7245.51

MTB 2011-4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

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CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 3, 2018
Project No: 1273-S005
Invoice No: 20241

Project Manager Kyle Wallace
Project 1273-S005 ComSWIP Sewer Phase V

Professional Services from March 24, 2018 to April 28, 2018

Phase CM Phase V - Construction Phase Services

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
Jackson, Terry	62.00	85.00	5,270.00
Tingle, William	35.00	95.00	3,325.00
GRADUATE ENGINEER			
Riley, Ivy	1.50	105.00	157.50
CONSTRUCTION OBSERVER			
Riley, Ivy	7.00	105.00	735.00
PROJECT ENGINEER			
Sellers, Bennie	13.00	150.00	1,950.00
Wallace, Kyle	15.50	175.00	2,712.50
Weeks, John	2.00	175.00	350.00
Totals	136.00		14,500.00
Total Labor			14,500.00
Total this Phase			\$14,500.00
Total this Invoice			\$14,500.00

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

1093 695, 7220.54

MB 2012.1/413

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

LR



CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 3, 2018
Project No: 1273-S012
Invoice No: 20240

Project Manager Kyle Wallace

Project 1273-S012 COMSWIP Sewer Improv. Phase XII

Professional Services from March 24, 2018 to April 28, 2018

Professional Personnel

	Hours	Rate	Amount	
PROJECT ENGINEER				
Wallace, Kyle	6.50	175.00	1,137.50	
Totals	6.50		1,137.50	
Total Labor				1,137.50
		Total this Invoice		\$1,137.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695.7220.51
MB 2011-4/89-110



CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 3, 2018
Project No: 11256
Invoice No: 20236

Project Manager Kyle Wallace
Project 11256 CIPP Sewer in Various Locations

Professional Services from March 24, 2018 to April 28, 2018

Phase DD Design Phase Services

Professional Personnel

	Hours	Rate	Amount	
PROJECT ENGINEER				
Wallace, Kyle	8.50	175.00	1,487.50	
Weeks, John	6.00	175.00	1,050.00	
Totals	14.50		2,537.50	
Total Labor				2,537.50
		Total this Phase		\$2,537.50
		Total this Invoice		\$2,537.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695.7220.75

MB 2011-4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

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CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 1, 2018
Project No: 1273-S014
Invoice No: 20200

Project Manager Shea McNease

Project 1273-S014 ComSWIP Sewer Phase IX Bushman & 2nd

Professional Services from March 24, 2018 to April 28, 2018

Phase DD Design Phase Services

Professional Personnel

	Hours	Rate	Amount
ADMINISTRATIVE SERVICES			
Culpepper, Rene	.50		0.00
CADD TECHNICIAN I			
Simmons, Skyler	7.00	90.00	630.00
Sullivan, Richard	2.00	105.00	210.00
FIELD CREW			
Crew, Field	18.50	175.00	3,237.50
Totals	28.00		4,077.50
Total Labor			4,077.50
Total this Phase			\$4,077.50
Total this Invoice			\$4,077.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695.7220.71

MB 2011-4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

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CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 2, 2018
Project No: 1273-S011
Invoice No: 20222

Project Manager John Weeks
Project 1273-S011 ComSWIP Sewer Phase X - Quinn St. Area

Professional Services from March 24, 2018 to April 28, 2018

Professional Personnel

	Hours	Rate	Amount	
CADD TECHNICIAN I				
Simmons, Skyler	17.00	90.00	1,530.00	
Sullivan, Richard	15.00	105.00	1,575.00	
CAD TECHNICIAN II				
Trahan, Beau	27.00	90.00	2,430.00	
ENGINEERING INTERN				
Thomas, Louis	2.50	105.00	262.50	
PROJECT ENGINEER				
Weeks, John	6.00	175.00	1,050.00	
Totals	67.50		6,847.50	
Total Labor				6,847.50
		Total this Invoice		\$6,847.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695.7220.72

MB 2011.4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

CR



CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 2, 2018
Project No: 1273-W015
Invoice No: 20223

Project Manager John Weeks
Project 1273-W015 Water Plant #1 Rehabilitation

Professional Services from March 24, 2018 to April 28, 2018

Phase AS Additional Services

Professional Personnel

	Hours	Rate	Amount	
PROJECT ENGINEER				
Weeks, John	10.00	150.00	1,500.00	
Totals	10.00		1,500.00	
Total Labor				1,500.00
		Total this Phase		\$1,500.00

Phase DD Design Phase Services

Professional Personnel

	Hours	Rate	Amount	
PROJECT ENGINEER				
Connolly, Nicholas	15.00	175.00	2,625.00	
Totals	15.00		2,625.00	
Total Labor				2,625.00
		Total this Phase		\$2,625.00
		Total this Invoice		\$4,125.00

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695.7295.70

MB 2017-81

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

LR



CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 14, 2018
Project No: 1273-S011
Invoice No: 20250

Project Manager John Weeks
Project 1273-S011 ComSWIP Sewer Phase X - Quinn St. Area
Professional Services from April 22, 2018 to May 12, 2018

Construction Cost 2,992,750.30
Fee Percentage 9.00
Total Fee 269,347.53

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	269,347.53	100.00	269,347.53	98,802.50	170,545.03
		Totals		269,347.53	98,802.50	170,545.03
		Total Fee				170,545.03
				Total this Invoice		\$170,545.03

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695, 7220.72
MB 2011-4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com



Engineering Progress

CB Developers

May 7, 2018

City of Hattiesburg
Post Office Box 1898
Hattiesburg MS 39403-1898

Attn: Lamar Rutland, P.E.

**RE: Comprehensive Water Improvements Ph II -
City of Hattiesburg**

Dear Mr. Rutland:

Enclosed please find Pay Estimate No. 3 for the above referenced project in the amount of \$371,452.03.

Should you have any questions and/or comments, please, do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Kyle D. Wallace', is written over a faint, larger blue signature.

Kyle D. Wallace, P.E.
Project Engineer

/aa

cc: Terry Jackson, SDW

093695.1245.51

MB 2017-340

42

Progress Estimate

Contractor's Application

For (contract):		Comprehensive Water Improvements Phase II			Application Number: 3		10-Apr-18			
Application Period:		3/26/2018	TO	4/7/2018	Application Date:					
Pay Item	A	Bid Quantity	Unit Price	Bid Value	C	D	E	F	G	
	Item Description				Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	% (F)	
WATER PIPE ITEMS										
1	4" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	260.0	\$ 25.44	\$ 6,614.40	6	\$ 152.64	\$ 3,977.64	\$ 4,130.28	62%	
2	6" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	280.0	\$ 23.74	\$ 6,647.20	26	\$ 617.24	\$ 2,623.82	\$ 3,241.06	49%	
3	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	590.0	\$ 23.72	\$ 13,994.80	1,320	\$ 31,310.40	\$ -	\$ 31,310.40	224%	
4	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	27000.0	\$ 31.08	\$ 839,160.00	12,920	\$ 401,553.60	\$ 310,745.60	\$ 712,299.20	85%	
5	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED-NO CASING)	1090.0	\$ 66.98	\$ 73,008.20	160	\$ 10,716.80	\$ 4,892.10	\$ 15,608.90	21%	
6	16" 200 PSI, DR9, HDPE (OPEN CUT)(INCL ADAPTER FITTINGS)	780.0	\$ 111.27	\$ 86,790.60	-	\$ -	\$ 45,466.20	\$ 45,466.20	52%	
7	16" 200 PSI, DR9, HDPE (DIRECTION BORE)(INCL ADAPTER FITTINGS)	460.0	\$ 133.85	\$ 61,571.00	177	\$ 23,691.45	\$ 16,496.07	\$ 40,187.52	65%	
CASING ITEMS										
8	18" STEEL CASING, 0.25" WT (OPEN CUT)	20.0	\$ 112.00	\$ 2,240.00	40	\$ 4,480.00	\$ -	\$ 4,480.00	200%	
9	14" STEEL CASING, 0.25" WT (BORED)	40.0	\$ 94.99	\$ 3,799.60	-	\$ -	\$ 955.60	\$ 955.60	25%	
10	18" STEEL CASING, 0.25" WT (BORED)	610.0	\$ 112.44	\$ 68,588.40	80	\$ 8,995.20	\$ 19,429.80	\$ 28,425.00	41%	
11	20" STEEL CASING, 0.375" WT (BORED-RAILROAD)	740.0	\$ 295.72	\$ 218,832.80	-	\$ -	\$ -	\$ -		
CONNECTION ITEMS										
12	CONNECTION: PROPOSED 12" TO EXISTING 12" (STRAIGHT CONNECTION)	2.0	\$ 1,509.99	\$ 3,019.98	-	\$ -	\$ 517.44	\$ 517.44	17%	
13	CONNECTION: PROPOSED 12" TO EXISTING 12" (HOT TAP w/ CONNECTION)	3.0	\$ 6,603.33	\$ 19,809.99	-	\$ -	\$ 8,679.60	\$ 8,679.60	44%	
14	CONNECTION: PROPOSED 12" TO PROPOSED 12" (TEE & OTHER CONNECTION)	5.0	\$ 1,741.31	\$ 8,706.55	-	\$ -	\$ 4,069.10	\$ 4,069.10	47%	
15	CONNECTION: PROPOSED 12" TO PROPOSED 12" & 8" (TEE & OTHER CONNECTION)	1.0	\$ 2,191.77	\$ 2,191.77	-	\$ -	\$ 684.46	\$ 684.46	31%	
16	CONNECTION: PROPOSED 12" TO PROPOSED 8" (TEE & OTHER CONNECTION)	2.0	\$ 1,723.93	\$ 3,447.86	-	\$ -	\$ 684.46	\$ 684.46	20%	
17	CONNECTION: PROPOSED 12" TO PROPOSED 12" & EXISTING	1.0	\$ 3,061.78	\$ 3,061.78	-	\$ -	\$ 684.46	\$ 684.46	22%	
18	CONNECTION: PROPOSED 12" TO PROPOSED 12" & EXISTING	2.0	\$ 2,263.80	\$ 4,527.60	1	\$ 2,263.80	\$ -	\$ 2,263.80	50%	
19	CONNECTION: PROPOSED 12" TO EXISTING 6" (TEE & OTHER CONNECTION)	10.0	\$ 1,878.23	\$ 18,782.30	1	\$ 1,878.23	\$ 2,328.48	\$ 4,206.71	22%	
20	CONNECTION: PROPOSED 12" TO EXISTING 6" & 4" (TEES & OTHER CONNECTION)	1.0	\$ 2,813.19	\$ 2,813.19	-	\$ -	\$ 258.72	\$ 258.72	9%	
21	CONNECTION: PROPOSED 12" TO EXISTING 6" & 4" (CROSS & OTHER CONNECTION)	1.0	\$ 3,093.80	\$ 3,093.80	1	\$ 3,093.80	\$ -	\$ 3,093.80	100%	
22	CONNECTION: PROPOSED 12" TO EXISTING 4" (TEE & OTHER CONNECTION)	12.0	\$ 2,025.74	\$ 24,308.88	4	\$ 8,102.96	\$ 2,069.76	\$ 10,172.72	42%	
TOTALS				\$ 1,475,010.70		\$ 496,856.12	\$ 5424,563.31	\$ 921,419.43		
									\$ 553,591.27	

EJCDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Progress Estimate

Contractor's Application

For contract:	Comprehensive Water Improvements Phase II				Application Number: 3		10-Apr-18					
Application Period:	3/26/2018	TO	4/7/2018	Application Date:								
	A			B		C	D	E	F		G	
Pay Item	Item Description			Bid Quantity	Unit Price	Bid Value	Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	% (F)	Balance to Finish (F)
	Subtotal from Previous Page					\$ 1,475,010.70		\$ 496,856.12	\$424,563.31	\$ 921,419.43		\$ 553,591.27
23	CONNECTION: PROPOSED 8" TO EXISTING 12" (HOT TAP w/ V			1.0	\$ 3,660.35	\$ 3,660.35	1	\$ 3,660.35	\$ -	\$ 3,660.35	100%	\$ -
24	CONNECTION: PROPOSED 8" TO EXISTING 6" (TEE & OTHER F			1.0	\$ 1,702.56	\$ 1,702.56	-	\$ -	\$ -	\$ -		\$ 1,702.56
25	CONNECTION: PROPOSED 8" TO EXISTING 6" & 4" (TEES & OT			1.0	\$ 2,657.87	\$ 2,657.87	2	\$ 5,315.74	\$ -	\$ 5,315.74	200%	\$ (2,657.87)
	VALVE ITEMS											
26	4" GATE VALVE			9.0	\$ 684.95	\$ 6,164.55	9	\$ 6,164.55	\$ -	\$ 6,164.55	100%	\$ -
27	6" GATE VALVE			14.0	\$ 840.19	\$ 11,762.66	2	\$ 1,680.38	\$ 7,231.32	\$ 8,911.70	76%	\$ 2,850.96
28	8" GATE VALVE			4.0	\$ 1,154.21	\$ 4,616.84	6	\$ 6,925.26	\$ -	\$ 6,925.26	150%	\$ (2,308.42)
29	12" GATE VALVE			66.0	\$ 2,036.87	\$ 134,433.42	14	\$ 28,516.18	\$ 79,580.28	\$ 108,096.46	80%	\$ 26,336.96
	FIRE PROTECTION ITEMS											
30	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE			42.0	\$ 3,708.92	\$ 155,774.64	14	\$ 51,924.88	\$ 74,060.28	\$ 125,985.16	81%	\$ 29,789.48
31	6" FIRE SUPPRESSION SYSTEM CONNECTION (INCL. TEE, VALV			1.0	\$ 4,146.85	\$ 4,146.85	-	\$ -	\$ -	\$ -		\$ 4,146.85
	SERVICE ITEMS											
32	RESIDENTIAL SERVICE TAP (ALL SIZES) (INCL. OPEN CUT SERV			99.0	\$ 445.19	\$ 44,073.81	3	\$ 1,335.57	\$ 13,524.48	\$ 14,860.05	34%	\$ 29,213.76
33	COMMERCIAL SERVICE TAP (ALL SIZES) (INCL. OPEN CUT SERV			17.0	\$ 1,085.64	\$ 18,455.88	3	\$ 3,256.92	\$ 7,614.32	\$ 10,871.24	59%	\$ 7,584.64
34	SERVICE TUBING (BORED) (ALL SIZES)			1585.0	\$ 4.13	\$ 6,546.05	-	\$ -	\$ -	\$ -		\$ 6,546.05
35	RESIDENTIAL METER (INCL. METER, METER BOX, CITY FEES, ET			15.0	\$ 550.23	\$ 8,253.45	-	\$ -	\$ -	\$ -		\$ 8,253.45
	REMOVAL ITEMS											
36	REMOVAL OF FIRE HYDRANT AND APPURTENANCES			24.0	\$ 409.36	\$ 9,824.64	-	\$ -	\$ -	\$ -		\$ 9,824.64
37	ABANDONMENT OF EXISTING WATER LINES WITH FLOWABLE			760.0	\$ 7.75	\$ 5,890.00	-	\$ -	\$ -	\$ -		\$ 5,890.00
38	REMOVE AND RESET EXISTING STORM SEWER CULVERTS (ALL			1.0	\$ 4,678.36	\$ 4,678.36	-	\$ -	\$ -	\$ -		\$ 4,678.36
	MISCELLANEOUS CONSTRUCTION ITEMS											
39	SELECT FILL MATERIAL (CLASS 9, GROUP C), LVM FOR GRAVEL			35.0	\$ 21.05	\$ 736.75	46	\$ 968.30	\$ -	\$ 968.30	131%	\$ (231.55)
40	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)			460.0	\$ 181.29	\$ 83,393.40	9	\$ 1,656.99	\$ -	\$ 1,656.99	2%	\$ 81,736.41
41	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)			338.0	\$ 116.96	\$ 39,532.48	24	\$ 2,860.84	\$ -	\$ 2,860.84	7%	\$ 36,671.64
42	CONCRETE CURB AND GUTTER REPAIR (MATCH EXISTING IN K			25.0	\$ 58.48	\$ 1,462.00	-	\$ -	\$ -	\$ -		\$ 1,462.00
	TOTALS					\$ 2,022,777.26		\$ 611,122.08	\$606,573.99	\$ 1,217,696.07		\$ 805,081.19

EICDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Contractor's Application

EJCDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Monthly Totals

	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	TOTAL
		Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
	WATER PIPE ITEMS											
1	4" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	4	2									6
2	6" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	6	20									26
3	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	60	1260									1320
4	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	4560	5380	2980								12920
5	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED-NO CASING)	20		140								160
6	16" 200 PSI, DR9, HOPE (OPEN CUT)(INCL ADAPTER FITTINGS)		80	-80								
7	16" 200 PSI, DR9, HOPE (DIRECTION BORE)(INCL ADAPTER FITTINGS)			177								177
	CASING ITEMS											
8	18" STEEL CASING, 0.25" WT (OPEN CUT)		40									40
9	14" STEEL CASING, 0.25" WT (BORED)											
10	18" STEEL CASING, 0.25" WT (BORED)			80								80
11	20" STEEL CASING, 0.375" WT (BORED-RAILROAD)											
	CONNECTION ITEMS											
12	CONNECTION: PROPOSED 12" TO EXISTING 12" (STRAIGHT CONNECTION w/ FITTINGS)											
13	CONNECTION: PROPOSED 12" TO EXISTING 12" (HOT TAP w/ VALVE ASSEMBLY & OTHER FITTINGS)											
14	CONNECTION: PROPOSED 12" TO PROPOSED 12" (TEE & OTHER FITTINGS)											
15	CONNECTION: PROPOSED 12" TO PROPOSED 12" & 8" (TEE & OTHER FITTINGS)											
16	CONNECTION: PROPOSED 12" TO PROPOSED 8" (TEE & OTHER FITTINGS)											
17	CONNECTION: PROPOSED 12" TO PROPOSED 12" & EXISTING 8" & 6" (TEES & OTHER FITTINGS)											
18	CONNECTION: PROPOSED 12" TO PROPOSED 12" & EXISTING 4" (TEE & OTHER FITTINGS)		1	1								1
19	CONNECTION: PROPOSED 12" TO EXISTING 6" (TEE & OTHER FITTINGS)											1
20	CONNECTION: PROPOSED 12" TO EXISTING 6" & 4" (TEES & OTHER FITTINGS)											
21	CONNECTION: PROPOSED 12" TO EXISTING 6" & 4" (CROSS & OTHER FITTINGS)			1								1
22	CONNECTION: PROPOSED 12" TO EXISTING 4" (TEE & OTHER FITTINGS)	3	1									4

Monthly Totals

	1	2	3	4	5	6	7	8	9	10	TOTAL
	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
23	1										1
24											
25		2									2
26	3	4	2								9
27		1	1								2
28		6	6								6
29	4	6	4								14
30											
31	5	5	4								14
32											
33		3									3
34		3									3
35											
36											
37											
38											
39											
40	32	14									46
41			9.14								9.14
42			24.46								24.46

Monthly Totals

	1	2	3	4	5	6	7	8	9	10	TOTAL
	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
43	24.26	7.72	15.67								47.65
44											
45											
46		0.5									0.5
47		0.5									0.5

Contractor's Application

EJCDC No. C-620 (2002 Edition)

Page 8 of 10

Stored Material Summary

Contractor's Application

For contract: Comprehensive Water Improvements Phase II				Application Number: 3		Application Date: 10-Apr-18			
Application Period: 3/26/2018 TO 4/7/2018									
A	B	C	D	E		F		G	
Pay Item No.	Unit Price	Materials Description	Quantity	Amount (\$)	Quantity	Amount (\$)	Quantity	Amount (\$)	Materials Remaining in Storage (\$) (D + E - F)
Subtotal From Previous Page									
23		CONNECTION: PROPOSED 8" TO EXISTING 12" (HOT TAP w/ VALVE ASSEMBLY & OTHER FITTING)	-	\$ -		\$ -	1	\$ -	\$ -
24		CONNECTION: PROPOSED 8" TO EXISTING 6" (TEE & OTHER FITTINGS)	-	\$ -		\$ -		\$ -	\$ -
25		CONNECTION: PROPOSED 8" TO EXISTING 6" & 4" (TEES & OTHER FITTINGS)	-	\$ -		\$ -	2	\$ -	\$ -
		VALVE ITEMS	-	\$ -		\$ -		\$ -	\$ -
26	\$ 499.88	4" GATE VALVE	-	\$ -	9	\$ 4,498.92	9	\$ 4,498.92	\$ -
27	\$ 602.61	6" GATE VALVE	-	\$ -	14	\$ 8,436.54	2	\$ 1,205.22	\$ 7,231.32
28	\$ 135.08	8" GATE VALVE	-	\$ -	4	\$ 540.32	6	\$ 810.48	\$ -
29	\$ 1,530.39	12" GATE VALVE	-	\$ -	66	\$ 101,005.74	14	\$ 21,425.46	\$ 79,580.28
		FIRE PROTECTION ITEMS	-	\$ -		\$ -		\$ -	\$ -
30	\$ 2,645.01	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, HYDRANT, BRASS TAG, PIPE, & O	-	\$ -	42	\$ 111,090.42	14	\$ 37,030.14	\$ 74,060.28
31		6" FIRE SUPPRESSION SYSTEM CONNECTION (INCL. TEE, VALVE, PIPE, DISCONNECTION OF EXIST	-	\$ -		\$ -		\$ -	\$ -
		SERVICE ITEMS	-	\$ -		\$ -		\$ -	\$ -
32	\$ 140.88	RESIDENTIAL SERVICE TAP (ALL SIZES) (INCL. OPEN CUT SERVICE TUBING, TAPPING SADDLE, COR	-	\$ -	99	\$ 13,947.12	3	\$ 422.64	\$ 13,524.48
33	\$ 543.88	COMMERCIAL SERVICE TAP (ALL SIZES) (INCL. OPEN CUT SERVICE TUBING, TAPPING SADDLE, CO	-	\$ -	17	\$ 9,245.96	3	\$ 1,631.64	\$ 7,614.32
34		SERVICE TUBING (BORED) (ALL SIZES)	-	\$ -		\$ -		\$ -	\$ -
35		RESIDENTIAL METER (INCL. METER, METER BOX, CITY FEES, ETC.)	-	\$ -		\$ -		\$ -	\$ -
		REMOVAL ITEMS	-	\$ -		\$ -		\$ -	\$ -
36		REMOVAL OF FIRE HYDRANT AND APPURTENANCES	-	\$ -		\$ -		\$ -	\$ -
37		ABANDONMENT OF EXISTING WATER LINES WITH FLOWABLE FILL	-	\$ -		\$ -		\$ -	\$ -
38		REMOVE AND RESET EXISTING STORM SEWER CULVERTS (ALL SIZES)	-	\$ -		\$ -		\$ -	\$ -
		MISCELLANEOUS CONSTRUCTION ITEMS	-	\$ -		\$ -		\$ -	\$ -
39		SELECT FILL MATERIAL (CLASS 9, GROUP C), LVM FOR GRAVEL DRIVEWAY REPAIR	-	\$ -		\$ -	46	\$ -	\$ -
40		ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	-	\$ -		\$ -	9	\$ -	\$ -
41		CONCRETE PAVEMENT REPAIR (ALL DEPTHS)	-	\$ -		\$ -	24	\$ -	\$ -
42		CONCRETE CURB AND GUTTER REPAIR (MATCH EXISTING IN KIND)	-	\$ -		\$ -		\$ -	\$ -
TOTALS				\$ 618,819.30		\$ 366,181.70		\$ 389,420.43	\$ 606,573.99

EICDC No. C-620 (2002 Edition)

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Engineering Progress

CB Developers

May 7, 2018

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403

Attn: Lamar Rutland, P.E.

Re: COMSWIP Water Improvements Phase IV
Miscellaneous Water Connections
City of Hattiesburg

Dear Lamar:

Enclosed please find one (1) copy of Pay Estimate No. 3 in the amount of \$12,982.50 for the above referenced project.

Should you have any questions or comments, please do not hesitate to call.

Sincerely,

Ivy Riley
Project Manager

Enclosure (s)

cc: Ivy Riley, Terry Jackson, SDW

093695.7245.53

MB 2017-109

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

Contractor's Final Application For Payment No. 3

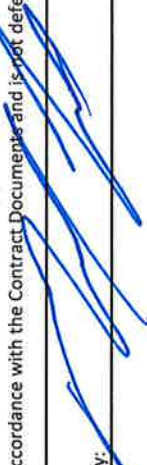
Application Period: Beginning: 12/21/2017 Ending: 2/19/2018		Application Date: 26-Apr-18
To (Owner): City of Hattiesburg	From (Contractor): C. B. Developers, Inc.	Via (Engineer): Shows, Dearman & Waits
Project: Comprehensive Water Improvements-Phase 4	Contract: Contractor's Project No.: 668	Engineer's Project No.:
Owner's Contract No.: Not Applicable		

Change Order Summary

Approved Change Orders			
Number	Additions	Deductions	
SA-1	\$ 38,391.35	\$ 33,508.35	
TOTALS	\$ 38,391.35	\$ 33,508.35	
NET CHANGE BY CHANGE ORDERS	\$	4,883.00	

CONTRACTOR'S CERTIFICATION

The undersigned Contractor certifies that: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By:  Date: 4-30-18

1. ORIGINAL CONTRACT PRICE	\$	271,676.78
2. Net change by Change Orders	\$	4,883.00
3. CURRENT CONTRACT PRICE (LINE 1 + 2)	\$	276,559.78
4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimates)	\$	259,650.08
5. RETAINAGE:		
a. 5.0 % x Work Completed	\$	-
b. 5.0% x Stored Material	\$	-
c. Total Retainage (line 5a + line 5b)	\$	-
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)	\$	259,650.08
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)	\$	246,667.58
8. AMOUNT DUE THIS APPLICATION	\$	12,982.50
9. BALANCE TO FINISH, PLUS RETAINAGE		
(Column G on Progress Estimate + Line 5 above)	\$	16,909.70

Payment of:

\$12,982.50

(Line 8 or other - attach explanation of other amount)

Is recommended by:

(Engineer)

(Date)

Payment of:

\$12,982.50

(Line 8 or other - attach explanation of other amount)

Is approved by:

(Owner)

(Date)

Is approved by:

(Owner)

(Date)

Approved by:

(Funding Agency, if applicable)

(Date)

EJCDC No. C-620 (2002 Edition)
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Progress Estimate

Contractor **3.ractor's**

For (contract):		Comprehensive Water Improvements-Phase 4		8/5/2017	12/20/2017	Application Number:		3	26-Apr-18	
Application Period:		12/21/2017	TO	2/19/2018		Application Date:				
Pay Item	A	Bid Quantity	Unit Price	Bid Value	C	D	E	F	%	
	Item Description				Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	(F)	
1	SITE 1-OLD HIGHWAY 42 BYPASS WATER PIPE ITEMS	580.0	\$ 34.01	\$ 19,725.80	555	\$ 18,875.55		\$ 18,875.55	96%	
2	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 8" WATER PIPE	2.0	\$ 2,412.69	\$ 4,825.38	2	\$ 4,825.38		\$ 4,825.38	100%	
3	8" GATE VALVE	1.0	\$ 1,070.88	\$ 1,070.88	1	\$ 1,070.88		\$ 1,070.88	100%	
4	2" SERVICE TAP	4.0	\$ 725.03	\$ 2,900.12	1	\$ 725.03		\$ 725.03	25%	
5	MISCELLANEOUS CONSTRUCTION ITEMS									
6	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)		\$ 58.75	\$ -		\$ -		\$ -	#DIV/0!	
7	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)		\$ 72.86	\$ -	28.44	\$ 2,072.14		\$ 2,072.14	#DIV/0!	
8	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)		\$ 82.26	\$ -		\$ -		\$ -	#DIV/0!	
9	TEMPORARY EROSION CONTROL	1.0	\$ 3,525.26	\$ 3,525.26	1	\$ 3,525.26		\$ 3,525.26	100%	
10	GRASSING	1.0	\$ 2,056.40	\$ 2,056.40	1	\$ 2,056.40		\$ 2,056.40	100%	
11	MOBILIZATION	1.0	\$ 2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72	100%	
12	MAINTENANCE OF TRAFFIC	1.0	\$ 3,525.26	\$ 3,525.26	1	\$ 3,525.26		\$ 3,525.26	100%	
	10" SDR-11 HDPE (BORED) (CONCRETE, ASPHALT, AND CONCRETE)	1.0	\$ 33,508.35	\$ 33,508.35	1	\$ 33,508.35		\$ 33,508.35	100%	
1	SITE 2-OLD HIGHWAY 42 BYPASS WATER PIPE ITEMS	500.0	\$ 54.62	\$ 27,310.00	485	\$ 26,490.70		\$ 26,490.70	97%	
2	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER PIPE	2.0	\$ 1,205.98	\$ 2,411.96	2	\$ 2,411.96		\$ 2,411.96	100%	
3	12" GATE VALVE	2.0	\$ 1,971.80	\$ 3,943.60	1	\$ 1,971.80		\$ 1,971.80	50%	
4	MISCELLANEOUS CONSTRUCTION ITEMS									
5	DRIVEWAY REPAIR (CLASS 4, GROUP B), LVM	35.0	\$ 55.23	\$ 1,933.05	35	\$ 1,933.05		\$ 1,933.05	100%	
	TRENCH REPAIR, SELECT FILL (CLASS 9, GROUP C), LVM	60.0	\$ 13.51	\$ 810.60	60	\$ 810.60		\$ 810.60	100%	
	TOTALS			\$ 110,484.38		\$ 106,740.08		\$ 106,740.08		

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Progress Estimate

Contractor's

For (contract):		Comprehensive Water Improvements-Phase 4				Application Number: 3			
Application Period:		12/21/2017 TO 2/19/2018		Application Date: 26-Apr-18					
Pay Item	Item Description	Bid Quantity	Unit Price	Bid Value	C	D	E	F	% (F)
					Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	
6	Subtotal from Previous Page			\$ 110,484.38		\$ 106,740.08		\$ 106,740.08	
7	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	30.0	\$ 99.88	\$ 2,996.40	-	\$ -		\$ -	
8	TEMPORARY EROSION CONTROL	1.0	\$ 587.54	\$ 587.54	1	\$ 587.54		\$ 587.54	100%
9	GRASSING	1.0	\$ 381.90	\$ 381.90	1	\$ 381.90		\$ 381.90	100%
10	MOBILIZATION	1.0	\$ 1,762.63	\$ 1,762.63	1	\$ 1,762.63		\$ 1,762.63	100%
11	MAINTENANCE OF TRAFFIC	1.0	\$ 1,762.63	\$ 1,762.63	1	\$ 1,762.63		\$ 1,762.63	100%
12	SITE 3-OLD HIGHWAY 42 BYPASS								
1	WATER PIPE ITEMS								
2	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	240.0	\$ 55.44	\$ 13,305.60	260	\$ 14,414.40		\$ 14,414.40	108%
3	20" STEEL CASING (OPEN CUT)	100.0	\$ 86.55	\$ 8,655.00	100	\$ 8,655.00		\$ 8,655.00	100%
4	CONNECTION ITEMS								
5	CONNECTION: PROPOSED 12" WATER LINE OT EXISTING 12" V	2.0	\$ 2,323.15	\$ 4,646.30	3	\$ 6,969.45		\$ 6,969.45	150%
6	12" GATE VALVE	2.0	\$ 1,971.80	\$ 3,943.60	-	\$ -		\$ -	
7	12" INSERT-A-VALVE	1.0	\$ 15,041.13	\$ 15,041.13	-	\$ -		\$ -	
8	MISCELLANEOUS CONSTRUCTION ITEMS								
9	RIP RAP (SIZE 300)	20.0	\$ 49.94	\$ 998.80	-	\$ -		\$ -	
10	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	30.0	\$ 99.88	\$ 2,996.40	77.50	\$ 7,740.70		\$ 7,740.70	258%
11	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)	10.0	\$ 82.26	\$ 822.60	-	\$ -		\$ -	
12	TEMPORARY EROSION CONTROL	1.0	\$ 587.54	\$ 587.54	1	\$ 587.54		\$ 587.54	100%
1	GRASSING	1.0	\$ 381.90	\$ 381.90	1	\$ 381.90		\$ 381.90	100%
2	MOBILIZATION	1.0	\$ 1,762.63	\$ 1,762.63	1	\$ 1,762.63		\$ 1,762.63	100%
3	MAINTENANCE OF TRAFFIC	1.0	\$ 1,762.63	\$ 1,762.63	1	\$ 1,762.63		\$ 1,762.63	100%
4	SITE 4-WALNUT STREET								
5	WATER PIPE ITEMS								
6	6" 200 PSI, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL	230.0	\$ 36.96	\$ 8,500.80	220	\$ 8,131.20		\$ 8,131.20	96%
7	CONNECTION ITEMS								
8	TOTALS			\$ 181,380.41		\$ 161,640.23		\$ 161,640.23	

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Progress Estimate

Contractor's

For contract:		Comprehensive Water Improvements-Phase 4		Application Number:		3		26-Apr-18	
Application Period:		12/21/2017 TO 2/19/2018		Application Date:					
Pay Item	A	Bid Quantity	Unit Price	Bid Value	C	D	E	F	%
	Item Description				Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	(F)
2	Subtotal from Previous Page			\$ 181,380.41		\$ 161,640.23		\$ 161,640.23	
3	CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 4" WATER VALVE	2.0	\$ 2,277.32	\$ 4,554.64	2	\$ 4,554.64		\$ 4,554.64	100%
4	MISCELLANEOUS CONSTRUCTION ITEMS	2.0	\$ 815.51	\$ 1,631.02	1	\$ 815.51		\$ 815.51	50%
5	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	20.0	\$ 99.88	\$ 1,997.60	30.8	\$ 3,076.30		\$ 3,076.30	#DIV/0!
6	TEMPORARY EROSION CONTROL	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	154%
7	GRASSING	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%
8	MOBILIZATION	1.0	\$ 2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72	100%
9	MAINTENANCE OF TRAFFIC	1.0	\$ 2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72	100%
10	6" X 3/4" SERVICE RECONNECT (CURB, CORP, SADDLE, BOX)	2.0	\$ 472.00	\$ 944.00	5	\$ 2,360.00		\$ 2,360.00	250%
11	3/4" SERVICE TUBING	130.0	\$ 11.98	\$ 1,557.40	135	\$ 1,617.30		\$ 1,617.30	104%
12	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)		\$ 58.75	\$ -	6	\$ 352.50		\$ 352.50	#DIV/0!
	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)		\$ 82.26	\$ -	3	\$ 246.78		\$ 246.78	#DIV/0!
1	SITE 5-KATIE AVENUE		\$ -	\$ -		\$ -		\$ -	#DIV/0!
	WATER PIPE ITEMS		\$ -	\$ -		\$ -		\$ -	#DIV/0!
1	6" 200 PSI, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL CONNECTION ITEMS	230.0	\$ 36.96	\$ 8,500.80	200	\$ 7,392.00		\$ 7,392.00	87%
2	CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 4" WATER VALVE	2.0	\$ 2,042.30	\$ 4,084.60	2	\$ 4,084.60		\$ 4,084.60	#DIV/0!
3	6" GATE VALVE	2.0	\$ 815.51	\$ 1,631.02	1	\$ 815.51		\$ 815.51	50%
4	MISCELLANEOUS CONSTRUCTION ITEMS		\$ -	\$ -		\$ -		\$ -	#DIV/0!
4	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	20.0	\$ 99.88	\$ 1,997.60	33	\$ 3,296.04		\$ 3,296.04	165%
5	TEMPORARY EROSION CONTROL	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%
6	GRASSING	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%
7	MOBILIZATION	1.0	\$ 2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72	100%
8	MAINTENANCE OF TRAFFIC	1.0	\$ 1,762.63	\$ 1,762.63	1	\$ 1,762.63		\$ 1,762.63	100%
	SITE 6-ARLEGE STREET		\$ -	\$ -		\$ -		\$ -	#DIV/0!
	TOTALS		\$ -	\$ 218,859.60		\$ 200,831.92		\$ 200,831.92	

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Progress Estimate

Contractor's

For (contract):		Comprehensive Water Improvements-Phase 4		Application Number:		3		26-Apr-18	
Application Period:		12/21/2017 TO 2/19/2018		Application Date:					
Pay Item	A	Bid Quantity	Unit Price	Bid Value	C	D	E	F	%
	Item Description				Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	(F)
1	Subtotal from Previous Page			\$ 218,859.60		\$ 200,831.92		\$ 200,831.92	
	WATER PIPE ITEMS								
8"	200 PSI, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL CONNECTION ITEMS	230.0	\$ 49.71	\$ 11,433.30	220	\$ 10,936.20		\$ 10,936.20	96%
2	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 6" WATER LINE	2.0	\$ 2,457.11	\$ 4,914.22	2	\$ 4,914.22		\$ 4,914.22	100%
3	8" GATE VALVE	2.0	\$ 1,101.06	\$ 2,202.12	1	\$ 1,101.06		\$ 1,101.06	50%
4	2" SERVICE TAP	1.0	\$ 725.03	\$ 725.03					
	MISCELLANEOUS CONSTRUCTION ITEMS								
5	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	20.0	\$ 99.88	\$ 1,997.60	28.2	\$ 2,816.62		\$ 2,816.62	141%
6	TEMPORARY EROSION CONTROL	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%
7	GRASSING	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%
8	MOBILIZATION	1.0	\$ 2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72	100%
9	MAINTENANCE OF TRAFFIC	1.0	\$ 2,056.40	\$ 2,056.40	1	\$ 2,056.40		\$ 2,056.40	100%
10	6" X 3/4" SERVICE RECONNECT (CURB, CORP, SADDLE, BOX)	2.0	\$ 472.00	\$ 944.00	6	\$ 2,832.00		\$ 2,832.00	300%
11	3/4" SERVICE TUBING	120.0	\$ 11.98	\$ 1,437.60	190	\$ 2,276.20		\$ 2,276.20	158%
	SITE 7-EDWARDS STREET								
	WATER PIPE ITEMS								
8"	200 PSI, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL CONNECTION ITEMS	260.0	\$ 49.55	\$ 12,883.00	240	\$ 11,892.00		\$ 11,892.00	92%
2	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING WATER LINE	2.0	\$ 2,457.11	\$ 4,914.22	2	\$ 4,914.22		\$ 4,914.22	100%
3	8" GATE VALVE	2.0	\$ 1,101.06	\$ 2,202.12	1	\$ 1,101.06		\$ 1,101.06	50%
	MISCELLANEOUS CONSTRUCTION ITEMS								
4	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	20.0	\$ 99.88	\$ 1,997.60	39.9	\$ 3,985.21		\$ 3,985.21	200%
5	TEMPORARY EROSION CONTROL	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%
6	GRASSING	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%
7	MOBILIZATION	1.0	\$ 2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72	100%
	TOTALS			\$ 272,446.97		\$ 255,537.27		\$ 255,537.27	

EJCDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Contractor's

EJCDC No. C-620 (2002 Edition)

Page 6 of 16

Application

G	
Balance to Finish	(B-
F)	
\$ 550.25	
\$ -	
\$ -	
\$ 2,175.09	
\$ -	
\$ (2,672.14)	
\$ -	
\$ -	
\$ -	
\$ -	
\$ -	
\$ -	
\$ -	
\$ 819.30	
\$ -	
\$ 1,971.80	
\$ -	
\$ -	
\$ 3,744.30	

Application

G	
Balance to Finish (F)	(B - F)
\$ 3,744.30	
\$ 2,996.40	
\$ -	
\$ -	
\$ -	
\$ -	
\$ -	
\$ (1,108.80)	
\$ -	
\$ (2,323.15)	
\$ 3,943.60	
\$ 15,041.13	
\$ 998.80	
\$ (4,744.30)	
\$ 822.60	
\$ -	
\$ -	
\$ -	
\$ -	
\$ 369.60	
\$ 19,740.18	

: Application

[illegible]

Application

G	
Balance to Finish (B-F)	
\$ 18,027.68	
\$ 497.10	
\$ 1,101.06	
\$ 725.03	
\$ (819.02)	
\$ (1,888.00)	
\$ (838.60)	
\$ 991.00	
\$ 1,101.06	
\$ (1,987.61)	
\$ 16,909.70	

Application

[illegible]

Monthly Totals

		1	2	3	4	5	6	7	8	9	10	TOTAL
	DESCRIPTION	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
1	SITE 1-OLD HIGHWAY 42 BYPASS WATER PIPE ITEMS	555										555
2	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)											
3	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 8" WATER LINE	2										2
4	8" GATE VALVE	1										1
5	2" SERVICE TAP	1										1
6	MISCELLANEOUS CONSTRUCTION ITEMS											
7	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)											
8	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)		28.44									28.44
9	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)	1										1
10	TEMPORARY EROSION CONTROL	1										1
11	GRASSING	1										1
12	MOBILIZATION	1										1
13	MAINTENANCE OF TRAFFIC	1										1
14	10" SDR-11 HDPE (BORED) (CONCRETE, ASPHALT, AND CONCRETE CURB & GUTTER)	1										1
15	SITE 2-OLD HIGHWAY 42 BYPASS WATER PIPE ITEMS	485										485
16	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)											
17	CONNECTION: PROPOSED 12" WATER LINE OT EXISTING 12" GATE LINE	2										2
18	12" GATE VALVE	1										1
19	MISCELLANEOUS CONSTRUCTION ITEMS											
20	DRIVEWAY REPAIR (CLASS 4, GROUP B), LVM	35										35
21	TRENCH REPAIR, SELECT FILL (CLASS 9, GROUP C), LVM	60										60

Monthly Totals

	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	TOTAL
		Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
6	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)											
7	TEMPORARY EROSION CONTROL	1										1
8	GRASSING	1										1
9	MOBILIZATION	1										1
10	MAINTENANCE OF TRAFFIC	1										1
	SITE 3-OLD HIGHWAY 42 BYPASS											
	WATER PIPE ITEMS											
1	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	260										260
2	20" STEEL CASING (OPEN CUT)	100										100
	CONNECTION ITEMS											
3	CONNECTION: PROPOSED 12" WATER LINE OT EXISTING 12" WATER LINE	3										3
4	12" GATE VALVE											
5	12" INSERT-A-VALVE											
	MISCELLANEOUS CONSTRUCTION ITEMS											
6	RIP RAP (SIZE 300)											
7	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)		77.5									77.5
8	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)											
9	TEMPORARY EROSION CONTROL	1										1
10	GRASSING	1										1
11	MOBILIZATION	1										1
12	MAINTENANCE OF TRAFFIC	1										1
	SITE 4-WALNUT STREET											
	WATER PIPE ITEMS											
1	6" 200 PSI, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL. ADAPTER FITTINGS)	220										220
	CONNECTION ITEMS											

Monthly Totals

	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	TOTAL
		Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
2	CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 4" WATER LINE	2										2
3	6" GATE VALVE	1										1
4	MISCELLANEOUS CONSTRUCTION ITEMS											
5	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)		30.8									30.8
6	TEMPORARY EROSION CONTROL		1									1
7	GRASSING	1										1
8	MOBILIZATION	1										1
9	MAINTENANCE OF TRAFFIC	1										1
10	6" X 3/4" SERVICE RECONNECT (CURB, CORP, SADDLE, BOX)	5										5
11	3/4" SERVICE TUBING	135										135
12	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)		6									6
	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)		3									3
	SITE 5-KATIE AVENUE WATER PIPE ITEMS											
1	6" 200 PSI, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL. ADAPTER FITTINGS)	200										200
	CONNECTION ITEMS											
2	CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 4" WATER LINE	2										2
3	6" GATE VALVE	1										1
4	MISCELLANEOUS CONSTRUCTION ITEMS											
5	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)		33									33
6	TEMPORARY EROSION CONTROL	1										1
7	GRASSING	1										1
8	MOBILIZATION	1										1
	MAINTENANCE OF TRAFFIC	1										1
	SITE 6-ARLEDGE STREET											

Monthly Totals

	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	TOTAL
		Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
1	8" 200 PSI, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL ADAPTER FITTINGS)	220										220
2	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 6" WATER LINE	2										2
3	8" GATE VALVE	1										1
4	2" SERVICE TAP											
5	MISCELLANEOUS CONSTRUCTION ITEMS											
6	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)		28.2									28.2
7	TEMPORARY EROSION CONTROL	1										1
8	GRASSING	1										1
9	MOBILIZATION	1										1
10	MAINTENANCE OF TRAFFIC	1										1
11	6" X 3/4" SERVICE RECONNECT (CURB, CORP, SADDLE, BOX)	6										6
	3/4" SERVICE TUBING	190										190
1	SITE 7-EDWARDS STREET WATER PIPE ITEMS	240										240
2	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING WATER LINE	2										2
3	8" GATE VALVE	1										1
4	MISCELLANEOUS CONSTRUCTION ITEMS											
5	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)		39.9									39.9
6	TEMPORARY EROSION CONTROL	1										1
7	GRASSING	1										1
	MOBILIZATION	1										1

Monthly Totals

	1	2	3	4	5	6	7	8	9	10	TOTAL
	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
8	1										1
	MAINTENANCE OF TRAFFIC										



Engineering Progress

CB Developers

May 7, 2018

City of Hattiesburg
Post Office Box 1898
Hattiesburg MS 39403-1898

Attn: Lamar Rutland, P.E.

**RE: Comprehensive Water Improvements Ph V -
City of Hattiesburg**

Dear Mr. Rutland:

Enclosed please find Pay Estimate No. 4 for the above referenced project in the amount of \$62,981.08.

Should you have any questions and/or comments, please, do not hesitate to contact me.

Sincerely,

Kyle D. Wallace, P.E.
Project Engineer

/aa

cc: C.B. Developers, SDW files

093695.7245.62

MTB 2017-341

LR

Contractor's Application For Payment No. 4

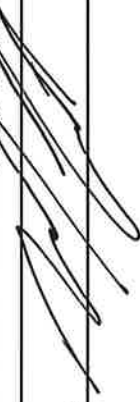
To (Owner): THE CITY OF HATTIESBURG		Application Period: Beginning: 2/26/2018 Ending: 3/25/2018		Application Date: 23-Apr-18	
Project: COMPREHENSIVE WATER IMPROVEMENTS PHASE 5		From (Contractor): C.B. DEVELOPERS, INC.		Via (Engineer): SHOWS, DEARMAN & WAITS, INC.	
Owner's Contract No.: Not Applicable		Contract:		Engineer's Project No.:	

Change Order Summary

Approved Change Orders			
Number	Additions	Deductions	
TOTALS	\$ -	\$ -	-
NET CHANGE BY CHANGE ORDERS	\$		-

CONTRACTOR'S CERTIFICATION

The undersigned Contractor certifies that: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: 	Date: 4-25-18
---	---------------

1. ORIGINAL CONTRACT PRICE \$ 1,143,728.04
2. Net change by Change Orders \$ -
3. CURRENT CONTRACT PRICE (LINE 1 + 2) \$ 1,143,728.04
4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimates) \$ 980,920.35
5. RETAINAGE:
 - a. 5.0 % x Work Completed \$ 47,941.20
 - b. 5.0% x Stored Material \$ 1,104.81
 - c. Total Retainage (line 5a + line 5b) \$ 49,046.02
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c) \$ 931,874.33
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application) \$ 868,893.25
8. AMOUNT DUE THIS APPLICATION \$ 62,981.08
9. BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above) \$ 211,853.71

Payment of:

\$62,981.08
(Line 8 or other - attach explanation of other amount)

Is recommended by:

(Engineer) (Date)

Payment of:

\$62,981.08
(Line 8 or other - attach explanation of other amount)

Is approved by:

(Owner) (Date)

Is approved by:

(Owner) (Date)

Approved by:

(Funding Agency, if applicable) (Date)

Progress Estimate

Contractor's Application

For (contract):	COMPREHENSIVE WATER IMPROVEMENTS PHASE 5				1/26/2018		2/25/2018		3/19/2018		4		23-Apr-18	
Application Period:	2/26/2018		TO 3/25/2018		Application Num		4		Application Date:		23-Apr-18			
Pay Item	A		Bid Quantity	Unit Price	Bid Value	C	D	E	F	% (F)	G			
	Item Description					Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)		Balance to Finish (F)			
Site 1-US 49 N & Blackwell Blvd														
WATER PIPE ITEMS														
1	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)		1240.0	\$ 21.61	\$ 26,796.40	1,240	\$ 26,796.40	\$0.00	\$ 26,796.40	100%	\$ -			
2	8" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)		160.0	\$ 43.45	\$ 6,952.00	260	\$ 11,297.00	\$0.00	\$ 11,297.00	163%	\$ (4,345.00)			
3	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)		4390.0	\$ 31.38	\$ 137,758.20	4,870	\$ 152,820.60	\$0.00	\$ 152,820.60	111%	\$ (15,062.40)			
4	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASIN		380.0	\$ 67.39	\$ 25,608.20	460	\$ 30,999.40	\$0.00	\$ 30,999.40	121%	\$ (5,391.20)			
5	16" HDPE (DR9)(OPEN CUT)(INCL. ADAPTER FITTINGS)		60.0	\$ 113.22	\$ 6,793.20	-	\$ -	\$0.00	\$ -	0%	\$ 6,793.20			
6	16" HDPE (DR9)(BORED)(NO CASING)(INCL. ADAPTER FITTING		860.0	\$ 124.87	\$ 107,388.20	-	\$ -	\$0.00	\$ -	0%	\$ 107,388.20			
6a	22" HDPE (DR13.5) CASING (BORED)		260.0	\$ 148.77	\$ 38,680.20	-	\$ -	\$0.00	\$ -	0%	\$ 38,680.20			
7	24" STEEL CASING, 0.375"WT (OPEN CUT)		40.0	\$ 85.80	\$ 3,432.00	40	\$ 3,432.00	\$0.00	\$ 3,432.00	100%	\$ -			
8	24" STEEL CASING, 0.250"WT (BORED)		400.0	\$ 160.72	\$ 64,288.00	500	\$ 80,360.00	\$0.00	\$ 80,360.00	125%	\$ (16,072.00)			
9	10" HDPE (DR9)(BORED)(NO CASING)(INCL. ADAPTER FITTING		180.0	\$ 63.10	\$ 11,358.00	180	\$ 11,358.00	\$0.00	\$ 11,358.00	100%	\$ -			
CONNECTION ITEMS														
10	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" V		2.0	\$ 1,381.44	\$ 2,762.88	2	\$ 2,762.88	\$0.00	\$ 2,762.88	100%	\$ -			
11	CONNECTION: PROPOSED 8" DUCTILE ITORN WATER RLNE TO		1.0	\$ 2,915.08	\$ 2,915.08	1	\$ 2,915.08	\$0.00	\$ 2,915.08	100%	\$ -			
12	CONNECTION: PROPOSED 8" WATER LINE TO PROPOSED 8" W		1.0	\$ 1,416.56	\$ 1,416.56	1	\$ 1,416.56	\$0.00	\$ 1,416.56	100%	\$ -			
	VAVLE AND HYDRANT ITEMS		0.0	\$ -	\$ -	-	\$ -	\$0.00	\$ -	#DIV/0!	\$ -			
13	8" GATE VALVE		6.0	\$ 1,204.39	\$ 7,226.34	5	\$ 6,021.95	\$0.00	\$ 6,021.95	83%	\$ 1,204.39			
14	12" GATE VALVE		4.0	\$ 2,119.85	\$ 8,479.40	3	\$ 6,359.55	\$0.00	\$ 6,359.55	75%	\$ 2,119.85			
15	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE		10.0	\$ 3,907.84	\$ 39,078.40	11	\$ 42,986.24	\$0.00	\$ 42,986.24	110%	\$ (3,907.84)			
MISCELLANEOUS CONSTRUCTION ITEMS														
16	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)		15.0	\$ 58.54	\$ 878.10	-	\$ -	\$0.00	\$ -	0%	\$ 878.10			
17	LOOSE RIP RAP, SIZE 100		20.0	\$ 60.88	\$ 1,217.60	-	\$ -	\$0.00	\$ -	0%	\$ 1,217.60			
18	TEMPORARY EROSION CONTROL		1.0	\$ 585.35	\$ 585.36	1	\$ 585.36	\$0.00	\$ 585.36	100%	\$ -			
19	GRASSING		1.0	\$ 3,512.14	\$ 3,512.14	1	\$ 3,512.14	\$0.00	\$ 3,512.14	100%	\$ -			
TOTALS					\$ 497,126.26		\$ 383,623.16	\$0.00	\$ 383,623.16		\$ 113,503.10			

EICDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Progress Estimate

Contractor's Application

For (contract):		COMPREHENSIVE WATER IMPROVEMENTS PHASE 5		Application Number:		4	
Application Period:		2/26/2018 TO 3/25/2018		Application Date:		23-Apr-18	
Pay Item	A	B	C	D	E	F	G
	Item Description	Bid Value	Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	Balance to Finish (F)
20	MOBILIZATION	\$ 497,126.26	1.0	\$ 11,707.13	\$ 0.00	\$ 383,623.16	\$ 113,503.10
21	MAINTENANCE OF TRAFFIC	\$ 11,707.13	1.0	\$ 9,951.06	\$ -	\$ 11,707.13	\$ -
1	SITE 8"10-COMMERCE DRIVE, I-59, AND THORNHILL DRIVE	\$ 9,951.06	1.0	\$ 9,951.06	\$ -	\$ 9,951.06	\$ -
	WATER PIPE ITEMS						
1	6" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	\$ 1,295.40	60.0	\$ 1,295.40	\$ -	\$ 1,295.40	\$ -
2	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	\$ 1,118.50	50.0	\$ 1,118.50	\$ -	\$ 1,118.50	\$ -
3	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	\$ 100,912.50	2990.0	\$ 33,750.00	\$ -	\$ 1,901.45	\$ (782.95)
4	16" HDPE (DR9)(OPEN CUT)(INCL. ADAPTER FITTINGS)	\$ 28,800.20	380.0	\$ 75.79	\$ -	\$ 102,768.75	\$ (1,856.25)
5	24" STEEL CASING, 0.250"WT (BORED)	\$ 54,529.20	340.0	\$ 160.38	\$ -	\$ 25,768.60	\$ 3,031.60
	CONNECTION ITEMS						
6	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE	\$ 6,918.92	2.0	\$ 3,459.46	\$ -	\$ 3,459.46	\$ 3,459.46
7	CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 6" WATER LINE	\$ 1,459.88	1.0	\$ 1,459.88	\$ -	\$ 1,459.88	\$ -
8	CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 6" WATER LINE	\$ 3,768.53	1.0	\$ 3,768.53	\$ -	\$ -	\$ 3,768.53
9	CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 8" WATER LINE	\$ 1,503.20	1.0	\$ 1,503.20	\$ -	\$ 1,503.20	\$ -
10	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 8" WATER LINE	\$ 4,179.45	1.0	\$ 4,179.45	\$ -	\$ 8,358.90	\$ (4,179.45)
11	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" WATER LINE	\$ 3,378.68	1.0	\$ 3,378.68	\$ -	\$ -	\$ 3,378.68
	VALVE AND HYDRANT ITEMS						
12	12" GATE VALVE	\$ 8,480.64	4.0	\$ 2,120.16	\$ -	\$ 2,120.16	\$ 6,360.48
13	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE)	\$ 23,381.28	6.0	\$ 3,896.88	\$ -	\$ 11,690.64	\$ 11,690.64
	MISCELLANEOUS CONSTRUCTION ITEMS						
14	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	\$ 5,499.90	54.0	\$ 101.15	\$ -	\$ -	\$ 5,499.90
15	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)	\$ 4,975.90	85.0	\$ 58.54	\$ -	\$ -	\$ 4,975.90
16	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)	\$ 5,121.25	125.0	\$ 40.57	\$ -	\$ -	\$ 5,121.25
17	CONCRETE SIDEWALK REPAIR (ALL DEPTHS)	\$ 204.85	5.0	\$ 40.57	\$ -	\$ -	\$ 204.85
18	TEMPORARY EROSION CONTROL	\$ 585.36	1.0	\$ 585.36	\$ -	\$ 585.36	\$ -
	TOTALS	\$ 774,898.09		\$ 620,722.35	\$ 50.00	\$ 620,722.35	\$ 154,175.74

EJCDC No. C-620 (2002 Edition)

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Progress Estimate

Contractor's Application

For (contract):		COMPREHENSIVE WATER IMPROVEMENTS PHASE 5		Application Number: 4		23-Apr-18	
Application Period:		2/26/2018 TO 3/25/2018		Application Date:			
Pay Item	A	B	C	D	E	F	G
	Item Description	Bid Value	Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	Balance to Finish (F)
19	GRASSING	\$ 774,898.09	1.0	\$ 3,512.14	\$ 0.00	\$ 620,722.35	\$ 154,175.74
20	MOBILIZATION	\$ 3,512.14	1.0	\$ 8,194.99	\$ -	\$ -	\$ 3,512.14
21	MAINTENANCE OF TRAFFIC	\$ 8,194.99	1.0	\$ 5,853.57	\$ -	\$ 8,194.99	\$ -
	SITE 11-US HWY 98 @WESTOVER DRIVE	\$ 5,853.57	1	\$ -	\$ -	\$ 5,853.57	\$ -
	WATER PIPE ITEMS						
1	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	\$ 4,968.80	80.0	\$ 62.11	\$ -	\$ 4,347.70	\$ 621.10
2	16" HDPE (DR9)(BORED)(NO CASING)(INCL ADAPTER FITTINGS	\$ 22,843.80	180.0	\$ 126.51	\$ -	\$ 22,843.80	\$ -
3	24" STEEL CASING, 0.250"WT (BORED)	\$ 25,694.40	140.0	\$ 160.59	\$ 606.40	\$ 23,089.00	\$ 2,605.40
	CONNECTION ITEMS						
4	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" W	\$ 1,654.22	1.0	\$ 1,654.22	\$ -	\$ 1,654.22	\$ -
5	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" V	\$ 3,459.46	1.0	\$ 3,459.46	\$ -	\$ 3,459.46	\$ -
	VALVE AND HYDRANT ITEMS						
6	12" GATE VALVE	\$ 4,240.32	2.0	\$ 2,120.16	\$ -	\$ -	\$ 4,240.32
	MISCELLANEOUS CONSTRUCTION ITEMS						
7	TEMPORARY EROSION CONTROL	\$ 585.36	1.0	\$ 585.36	\$ -	\$ 585.36	\$ -
8	GRASSING	\$ 585.36	1.0	\$ 585.36	\$ -	\$ -	\$ 585.36
9	MOBILIZATION	\$ 585.36	1.0	\$ 585.36	\$ -	\$ 585.36	\$ -
10	MAINTENANCE OF TRAFFIC	\$ 585.36	1.0	\$ 585.36	\$ -	\$ 585.36	\$ -
	SITE 12-LINCOLN ROAD AND OAK GROVE ROAD						
	WATER PIPE ITEMS						
1	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	\$ 32,132.80	1520.0	\$ 21.14	\$ -	\$ 31,400.20	\$ 732.60
2	8" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING	\$ 23,463.00	540.0	\$ 43.45	\$ 1,170.00	\$ 17,982.00	\$ 5,481.00
3	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	\$ 86,223.36	2472.0	\$ 34.88	\$ 2,340.00	\$ 78,302.34	\$ 7,921.02
4	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASIN	\$ 23,586.50	350.0	\$ 67.39	\$ 12,379.14	\$ 34,368.90	\$ (10,782.40)
5	10" HDPE (DR9)(BORED)(NO CASING)(INCL ADAPTER FITTING	\$ 16,420.80	240.0	\$ 68.42	\$ -	\$ 31,131.10	\$ (14,710.30)
	TOTALS	\$ 1,039,487.69		\$ 868,610.17	\$ 16,495.54	\$ 885,105.71	\$ 154,381.98

EICDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Progress Estimate

Contractor's Application

For (contract):		COMPREHENSIVE WATER IMPROVEMENTS PHASE 5				Application Number: 4					
Application Period:		2/26/2018 TO 3/25/2018		Application Date: 23-Apr-18							
		A		B		C	D	E	F		G
Pay Item		Item Description	Bid Quantity	Unit Price	Bid Value	Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	% (F)	Balance to Finish (B - F)
6		Subtotal from Previous Page			\$ 1,039,487.69			\$16,495.54	\$ 885,105.71		\$ 154,381.98
		16" HDPE (DR9)(BORED)(NO CASING)(INCL. ADAPTER FITTING CONNECTION ITEMS	150.0	\$ 159.67	\$ 23,950.50	160	\$ 25,547.20	\$ -	\$ 25,547.20	107%	\$ (1,596.70)
7		CONNECTION: PROPOSED 8" WATER LINE TO PROPOSED 12" VALVE	1.0	\$ 1,667.10	\$ 1,667.10	1	\$ 1,667.10	\$ -	\$ 1,667.10	100%	\$ -
8		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" VALVE	1.0	\$ 2,243.09	\$ 2,243.09	1	\$ 2,243.09	\$ -	\$ 2,243.09	100%	\$ -
9		CONNECTION: PROPOSED 12" X 12" (TEE) VALVE AND HYDRANT ITEMS	1.0	\$ 2,234.89	\$ 2,234.89	1	\$ 2,234.89	\$ -	\$ 2,234.89	100%	\$ -
10		8" GATE VALVE	3.0	\$ 1,204.66	\$ 3,613.98	1	\$ 1,204.66	\$ 1,487.38	\$ 2,692.04	74%	\$ 921.94
11		12" GATE VALVE	6.0	\$ 2,120.16	\$ 12,720.96	5	\$ 10,600.80	\$ 1,352.01	\$ 11,952.81	94%	\$ 768.15
12		3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, MISCELLANEOUS CONSTRUCTION ITEMS	10.0	\$ 3,790.77	\$ 37,907.70	8	\$ 30,326.16	\$ 2,761.36	\$ 33,087.52	87%	\$ 4,820.18
13		TEMPORARY EROSION CONTROL	1.0	\$ 4,682.85	\$ 4,682.85	1	\$ 4,682.85	\$ -	\$ 4,682.85	100%	\$ -
14		GRASSING	1.0	\$ 3,512.14	\$ 3,512.14	-	\$ -	\$ -	\$ -	0%	\$ 3,512.14
15		MOBILIZATION	1.0	\$ 5,853.57	\$ 5,853.57	1	\$ 5,853.57	\$ -	\$ 5,853.57	100%	\$ -
16		MAINTENANCE OF TRAFFIC	1.0	\$ 5,853.57	\$ 5,853.57	1	\$ 5,853.57	\$ -	\$ 5,853.57	100%	\$ -
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Monthly Totals

		1	2	3	4	5	6	7	8	9	10	TOTAL
	DESCRIPTION	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
	Site 1-US 49 N & Blackwell Blvd											
	WATER PIPE ITEMS											
1	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	1240										1240
2	8" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)	260										260
3		4870										4870
4	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)	460										460
5	16" HDPE (DR9)(OPEN CUT)(INCL. ADAPTER FITTINGS)											0
6	16" HDPE (DR9)(BORED)(NO CASING)(INCL. ADAPTER FITTINGS)											0
6a	22" HDPE (DR13.5) CASING (BORED)	40										40
7	24" STEEL CASING, 0.375"WT (OPEN CUT)	500										500
8	24" STEEL CASING, 0.250"WT (BORED)	180										180
9	10" HDPE (DR9)(BORED)(NO CASING)(INCL. ADAPTER FITTINGS)											
	CONNECTION ITEMS											
10	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (STRAIGHT)	2										2
11	CONNECTION: PROPOSED 8" DUCTILE IRON WATER LINE TO PROPOSED 12" HDPE WATER LINE	1										1
12	CONNECTION: PROPOSED 8" WATER LINE TO PROPOSED 8" WATER LINE (TEE)	1										1
	VALVE AND HYDRANT ITEMS											
13	8" GATE VALVE	5										5
14	12" GATE VALVE	3										3
15	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, HYDRANT, BRASS TAG, PIPE)	11										11
	MISCELLANEOUS CONSTRUCTION ITEMS											
16	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)											0
17	LOOSE RIP RAP, SIZE 100											0
18	TEMPORARY EROSION CONTROL	1										1
19	GRASSING	0	1									1

Monthly Totals

		1	2	3	4	5	6	7	8	9	10	TOTAL
	DESCRIPTION	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
20	MOBILIZATION	1										1
21	MAINTENANCE OF TRAFFIC	1										1
	SITE 8-10-COMMERCE DRIVE, I-59, AND THORNHILL DRIVE											
	WATER PIPE ITEMS											
1	6" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)		60									60
2	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)		85									85
3	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	1560	1485									3045
4	16" HDPE (DR9)(OPEN CUT)(INCL. ADAPTER FITTINGS)		340									340
5	24" STEEL CASING, 0.250"WT (BORED)		340									340
	CONNECTION ITEMS											
6	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (HOT TAP)		1									1
7	CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 6" WATER LINE (TEE)		1									1
8	CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 6" WATER LINE (HOT TAP)											0
9	CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 8" WATER LINE (TEE)		1									1
10	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 8" WATER LINE (HOT TAP)		2									2
11	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" WATER LINE (HOT TAP)											0
	VALVE AND HYDRANT ITEMS											
12	12" GATE VALVE		1									1
13	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, HYDRANT, BRASS TAG, PIPE)	1	2									3
	MISCELLANEOUS CONSTRUCTION ITEMS											
14	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)											0
15	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)											0
16	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)											0
	CONCRETE SIDEWALK REPAIR (ALL DEPTHS)											
18	TEMPORARY EROSION CONTROL				1							1

Monthly Totals

	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	TOTAL
19	GRASSING											0
20	MOBILIZATION	0.5	0.5									1
21	MAINTENANCE OF TRAFFIC		1									1
	SITE 11-US HWY 98 @WESTOVER DRIVE											
	WATER PIPE ITEMS											
1	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)		70									70
2	16" HDPE (DR9)(BORED)(NO CASING)(INCL ADAPTER FITTINGS)		180									180
3	24" STEEL CASING, 0.250"WT (BORED)		140									140
	CONNECTION ITEMS											
4	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" WATER LINE (STRAIGHT REDUCER)		1									1
5	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (HOT TAP)		1									1
	VALVE AND HYDRANT ITEMS											
6	12" GATE VALVE											0
	MISCELLANEOUS CONSTRUCTION ITEMS											
7	TEMPORARY EROSION CONTROL				1							1
8	GRASSING											0
9	MOBILIZATION		0.5	0.5								1
10	MAINTENANCE OF TRAFFIC		0.5	0.5								1
	SITE 12-LINCOLN ROAD AND OAK GROVE ROAD											
	WATER PIPE ITEMS											
1	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)			120	1310							1430
2	8" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)			60	300							360
3	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)		1080	810	0							1890
4	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)		240	270								510
5	10" HDPE (DR9)(BORED)(NO CASING)(INCL ADAPTER FITTINGS)				455							455

Monthly Totals

	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	TOTAL
		Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
6	16" HDPE (DRD)(BORED)(NO CASING)(INCL. ADAPTER FITTINGS)			160								160
7	CONNECTION: PROPOSED 8" WATER LINE TO PROPOSED 12" WATER LINE (STRAIGHT)			1								1
8	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (STRAIGHT)		1									1
9	CONNECTION: PROPOSED 12" X 12" (TEE)			1								1
10	VALVE AND HYDRANT ITEMS											
11	8" GATE VALVE				1							1
12	12" GATE VALVE			5								5
13	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, HYDRANT, BRASS TAG, PIPE, & OTHER FITTING)		1	4	3							8
14	MISCELLANEOUS CONSTRUCTION ITEMS											
15	TEMPORARY EROSION CONTROL				1							1
16	GRASSING		0.5		0.5							0
17	MOBILIZATION		0.5		0.5							0
18	MAINTENANCE OF TRAFFIC											0
19												0
20												0
21												0
22												0
23												0
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Stored Material Summary

3's Application

COMPREHENSIVE WATER IMPROVEMENTS PHASE 5				2/25/2018		3/19/2018		4	
Application Period: 2/26/2018 TO 3/25/2018				Application Date: 23-Apr-18					
A	B	C	D		E		F		G
Pay Item No.	Unit Price	Materials Description	Stored Previously		Stored this Month		Incorporated in Work		Materials Remaining in Storage (\$)(D + E - F)
			Quantity	Amount (\$)	Quantity	Amount (\$)	Quantity	Amount (\$)	
Site 1-US 49 N & Blackwell Blvd									
WATER PIPE ITEMS									
1		8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	-	\$	0	\$	1,240	\$	\$
2		8" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)	-	\$	0	\$	260	\$	\$
3		12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	-	\$	0	\$	4,870	\$	\$
4		12" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)	-	\$	0	\$	460	\$	\$
5		16" HDPE (DR9)(OPEN CUT)(INCL. ADAPTER FITTINGS)	-	\$	0	\$	0	\$	\$
6		16" HDPE (DR9)(BORED)(NO CASING)(INCL. ADAPTER FITTINGS)	-	\$	0	\$	0	\$	\$
6a		22" HDPE (DR13.5) CASING (BORED)	-	\$	0	\$	0	\$	\$
7		24" STEEL CASING, 0.375"WT (OPEN CUT)	-	\$	0	\$	40	\$	\$
8		24" STEEL CASING, 0.250"WT (BORED)	-	\$	0	\$	500	\$	\$
9		10" HDPE (DR9)(BORED)(NO CASING)(INCL. ADAPTER FITTINGS)	-	\$	0	\$	180	\$	\$
CONNECTION ITEMS									
10		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (STRAIGHT)	-	\$	0	\$	2	\$	\$
11		CONNECTION: PROPOSED 8" DUCTILE ITORN WATE RLNE TO PROPOSED 12" HDPE WATER LINE	-	\$	0	\$	1	\$	\$
12		CONNECTION: PROPOSED 8" WATER LINE TO PROPOSED 8" WATER LINE (TEE)	-	\$	0	\$	1	\$	\$
VAVLE AND HYDRANT ITEMS									
13		8" GATE VALVE	-	\$	0	\$	5	\$	\$
14		12" GATE VALVE	-	\$	0	\$	3	\$	\$
15		3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, HYDRANT, BRASS TAG, PIPE, & OTHER)	-	\$	0	\$	11	\$	\$
MISCELLANEOUS CONSTRUCTION ITEMS									
16		CONCRETE PAVEMENT REPAIR (ALL DEPTHS)	-	\$	0	\$	0	\$	\$
17		LOOSE RIP RAP, SIZE 100	-	\$	0	\$	0	\$	\$
18		TEMPORARY EROSION CONTROL	-	\$	0	\$	1	\$	\$
19		GRASSING	-	\$	0	\$	1	\$	\$
			\$	-		\$	-	\$	\$0.00
TOTALS									

EJCDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Stored Material Summary

Contractor's Application

For (contract):				COMPREHENSIVE WATER IMPROVEMENTS PHASE 5				Application Number: 4			
Application Period:				2/26/2018		TO 3/25/2018		Application Date: 23-Apr-18			
A	B	C	D	E		F		G			
Pay Item No.	Unit Price	Materials Description	Stored Previously		Stored this Month		Incorporated in Work		Materials Remaining in Storage (\$)(D + E - F)		
			Quantity	Amount (\$)	Quantity	Amount (\$)	Quantity	Amount (\$)			
		Subtotal From Previous Page							\$0.00		
20		MOBILIZATION									
21		MAINTENANCE OF TRAFFIC									
		SITE 8"-10-COMMERCE DRIVE, I-59, AND THORNHILL DRIVE									
		WATER PIPE ITEMS									
1	\$ 10.33	6" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	60	\$ 619.80	0	\$ -	60	\$ 619.80	\$ -		
2	\$ 13.00	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	50	\$ 650.00	0	\$ -	85	\$ 1,105.00	\$ -		
3	\$ 21.27	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	2,990	\$ 63,597.30	0	\$ -	3,045	\$ 64,767.15	\$ -		
4		16" HDPE (DR9)(OPEN CUT)(INCL. ADAPTER FITTINGS)	-	\$ -	0	\$ -	340	\$ -	\$ -		
5	\$ 30.32	24" STEEL CASING, 0.250"WT (BORED)	340	\$ 10,308.80	0	\$ -	340	\$ 10,308.80	\$ -		
		CONNECTION ITEMS									
6		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (HOT TAP)	-	\$ -	0	\$ -	1	\$ -	\$ -		
7		CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 6" WATER LINE (TEE)	-	\$ -	0	\$ -	1	\$ -	\$ -		
8		CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 6" WATER LINE (HOT TAP)	-	\$ -	0	\$ -	0	\$ -	\$ -		
9		CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 8" WATER LINE (TEE)	-	\$ -	0	\$ -	1	\$ -	\$ -		
10		CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 8" WATER LINE (HOT TAP)	-	\$ -	0	\$ -	2	\$ -	\$ -		
11		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" WATER LINE (HOT TAP)	-	\$ -	0	\$ -	0	\$ -	\$ -		
		VALVE AND HYDRANT ITEMS									
12		12" GATE VALVE	-	\$ -	0	\$ -	1	\$ -	\$ -		
13		3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, HYDRANT, BRASS TAG, PIPE, & O	-	\$ -	0	\$ -	3	\$ -	\$ -		
		MISCELLANEOUS CONSTRUCTION ITEMS									
14		ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	-	\$ -	0	\$ -	0	\$ -	\$ -		
15		CONCRETE PAVEMENT REPAIR (ALL DEPTHS)	-	\$ -	0	\$ -	0	\$ -	\$ -		
16		CONCRETE CURB & GUTTER REPAIR (ALL TYPES)	-	\$ -	0	\$ -	0	\$ -	\$ -		
17		CONCRETE SIDEWALK REPAIR (ALL DEPTHS)	-	\$ -	0	\$ -	0	\$ -	\$ -		
18		TEMPORARY EROSION CONTROL	-	\$ -	0	\$ -	1	\$ -	\$ -		
		TOTALS		\$ 75,175.90		\$ -		\$ 76,800.75	\$0.00		

EJCDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Stored Material Summary

Contractor's Application

For (contract):				COMPREHENSIVE WATER IMPROVEMENTS PHASE 5				Application Number: 4			
Application Period:				2/26/2018 TO 3/25/2018				Application Date: 23-Apr-18			
A	B	C	D	E		F		G			
Pay / Item No.	Unit Price	Materials Description	Stored Previously		Stored this Month		Incorporated in Work		Materials Remaining in Storage (\$ (D + E - F))		
			Quantity	Amount (\$)	Quantity	Amount (\$)	Quantity	Amount (\$)			
19		GRASSING		\$ 75,175.90		\$ -		\$ 76,800.75	\$0.00		
20		MOBILIZATION	-	\$ -	0	\$ -	0	\$ -	\$ -		
21		MAINTENANCE OF TRAFFIC	-	\$ -	0	\$ -	1	\$ -	\$ -		
			-	\$ -	0	\$ -	1	\$ -	\$ -		
1		SITE 11-US HWY 98 @WESTOVER DRIVE									
		WATER PIPE ITEMS									
1		12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	-	\$ -	0	\$ -	70	\$ -	\$ -		
2		16" HDPE (DR9)(BORED)(NO CASING)(INCL ADAPTER FITTINGS)	-	\$ -	0	\$ -	180	\$ -	\$ -		
3	\$ 30.32	24" STEEL CASING, 0.250"WT (BORED)	160	\$ 4,851.20	0	\$ -	140	\$ 4,244.80	\$ 606.40		
		CONNECTION ITEMS									
4		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" WATER LINE (STRAIGHT REDUCER)	-	\$ -	0	\$ -	1	\$ -	\$ -		
5		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (HOT TAP)	-	\$ -	0	\$ -	1	\$ -	\$ -		
		VALVE AND HYDRANT ITEMS									
6		12" GATE VALVE	-	\$ -	0	\$ -	0	\$ -	\$ -		
		MISCELLANEOUS CONSTRUCTION ITEMS									
7		TEMPORARY EROSION CONTROL	-	\$ -	0	\$ -	1	\$ -	\$ -		
8		GRASSING	-	\$ -	0	\$ -	0	\$ -	\$ -		
9		MOBILIZATION	-	\$ -	0	\$ -	1	\$ -	\$ -		
10		MAINTENANCE OF TRAFFIC	-	\$ -	0	\$ -	1	\$ -	\$ -		
		SITE 12-LINCOLN ROAD AND OAK GROVE ROAD									
		WATER PIPE ITEMS									
1	\$ 13.00	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	1,520	\$ 19,760.00	0	\$ -	1,430	\$ 18,590.00	\$ 1,170.00		
2	\$ 13.00	IRON WATER PIPE (BORED)(NO CASING)	540	\$ 7,020.00	0	\$ -	360	\$ 4,680.00	\$ 2,340.00		
3	\$ 21.27	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	2,472	\$ 52,579.44	0	\$ -	1,890	\$ 40,200.30	\$ 12,379.14		
4	\$ 21.27	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)	350	\$ 7,444.50	0	\$ -	510	\$ 10,847.70	\$ -		
5	\$ 20.16	10" HDPE (DR9)(BORED)(NO CASING)(INCL ADAPTER FITTINGS)	200	\$ 4,032.00	0	\$ -	455	\$ 9,172.80	\$ -		
				\$ 170,863.04		\$ -		\$ 164,536.35	\$ 16,495.54		

E/CDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Hattiesburg, Mississippi does hereby certify to Regions Bank, as trustee in respect to the referenced Bonds (the Trustee”):

- (1) The amounts herein requisitioned to be paid to the above-designated payees are for the items or services hereinabove described.
- (2) The items or services listed above for which payment is proposed to be made hereunder have not formed the basis for any payment heretofore made from the Series 2016 Project Fund Construction Account.
- (3) Each of the items was reasonable and necessary in connection with the “Construction Project” being financed pursuant to the Loan Agreement dated as of August 18, 2016 (the “Loan Agreement”).
- (4) The payment herein authorized and approved is a proper charge against the Series 2016 Project Fund Construction Account as provided for in Section 3 of the Loan Agreement.
- (5) The invoices or statements from the contractor, vendor or other payee or other document supporting the amounts requisitioned herein are on file with the City.

CITY OF HATTIESBURG, MISSISSIPPI

By: _____
Title: Mayor or City Clerk
(Authorized City Representative)

As Approved by:

Regions Commercial Equipment Finance, LLC
As Purchaser

Authorized Officer

The City Council of the City of Hattiesburg, Mississippi (the "City") acting for and on behalf of the City, took up for consideration the matter of requesting and authorizing Requisition No. 20 from the Project Fund Construction Account in connection with the loan agreement between the Mississippi Development Bank and the City dated August 18, 2016. After discussion of the subject, Council Member George offered and moved for the adoption of the following resolution:

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI (THE "CITY") AUTHORIZING REQUISITION NO. 20 FROM THE PROJECT FUND CONSTRUCTION ACCOUNT IN CONNECTION WITH THAT CERTAIN LOAN AGREEMENT, DATED AS OF AUGUST 18, 2016, BY AND BETWEEN THE MISSISSIPPI DEVELOPMENT BANK AND THE CITY.

Whereas, on August 18, 2016 the City entered into a loan with the Mississippi Development Bank in an amount not to exceed \$25,000,000 (the "Loan") pursuant to the terms and conditions of that certain loan agreement, dated as of August 18, 2016, by and between the Mississippi Development Bank and the City (the "Loan Agreement").

Whereas, the City Council of the City now finds it necessary to approve Requisition No. 20 from the Project Fund Construction Account under the Loan in the total aggregate amount of **\$671,255.64** for the purpose of paying Water & Sewer Projects in connection with the loan as more particularly described in Exhibit A.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HATTIESBURG, MISSISSIPPI:

SECTION 1. The City Council of the City hereby authorizes and approves Requisition No. 20 from the Project Fund Construction Account under the Loan in the total aggregate amount of **Six Hundred Seventy-One Thousand Two Hundred Fifty-five and 64/100 dollars (\$671,255.64)** for the purpose of paying Water & Sewer Projects in connection with the loan as more particularly described in Exhibit A.

SECTION 2. The City Council hereby directs Regions Bank, as Trustee to disburse funds of Requisition No.20 in the total aggregate amount of **Six Hundred Seventy-One Thousand Two Hundred Fifty-five and 64/100 dollars (\$671,255.64)** as authorized herein, as more particularly described in Exhibit A.

SECTION 3. The Mayor and City Clerk are hereby authorized and directed for and on behalf of the City to take any and all action as may be required by the City to carry out and give effect to the aforesaid documents authorized pursuant to this Resolution and to execute all papers, documents, certificates and other instruments that may be required for the carrying out of the authority conferred by this Resolution in order to evidence the authority.

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

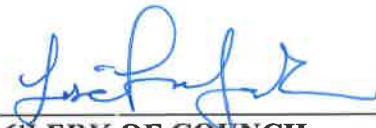
NAYS: None

ABSENT:

The motion having received the affirmative vote of a majority of the Council members present, the President declared the motion carried and the resolution adopted, on this the **22nd day of May, 2018.**

(SEAL)

ATTEST:

Deputy 
CLERK OF COUNCIL

ADOPTED:


PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the **22nd day of May, 2018.**

ATTEST:


CITY CLERK

APPROVED:


MAYOR

EXHIBIT A

PROJECT FUND CONSTRUCTION ACCOUNT REQUISITION

PROJECT FUND CONSTRUCTION ACCOUNT REQUISITION

RE: \$25,000,000.00 Mississippi Development Bank Taxable Special Obligation Bonds, Series 2016 (Hattiesburg, Mississippi Combined Water and Sewer System Construction Project) (the "Series 2016 Bonds") secured by \$25,000,000.00 Taxable Promissory Note (Hattiesburg, Mississippi Combined Water and Sewer System Construction Project), dated August 18, 2016 (the "Series 2016 Note").

TO: Regions Bank
400 West Capitol, 7th Floor
Little Rock, AR 72201
ATTN: Corporate Trust Department

REQUISITION NO.: 20

DATE OF REQUISITION: 5/22/2018

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
1	C B Developers, Inc. 1716 Evelyn Gandy Pkwy., Suite 40 Hattiesburg, MS 39401	93695.7245.51	\$ 371,452.03	Pay App 3	Water Improvements Ph II Period: 03/26/18 - 04/07/18 MB: 2017-340
2	C B Developers, Inc. 1716 Evelyn Gandy Pkwy., Suite 40 Hattiesburg, MS 39401	093695.7245.53	\$ 12,982.50	Pay Est 3	Water Ph IV - Misc. Period: 12/21/17 - 2/19/18 MB: 2017-109
3	C B Developers, Inc. 1716 Evelyn Gandy Pkwy., Suite 40 Hattiesburg, MS 39401	093695.7245.62	\$ 62,981.08	Pay App 4	Water Improvements Ph V Period: 02/26/18 - 03/25/18 MB: 2017-341 & 334
4	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7245.62	\$ 3,667.50	20244	Water Improvements Ph V Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW # 1273-W013
5	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7245.51	\$ 16,402.50	20243	Water Ph II - Palmers Crossing Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW #1273-W007

6	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7220.54	\$	14,500.00	20241	Sewer Improvements Ph V Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW Project# 1273-S005
7	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7220.51	\$	1,137.50	20240	Sewer Improvements Ph XII Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW #1273-S012
8	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	93695.7220.75	\$	2,537.50	20178	CIPP Project Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW #11256
9	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7220.71	\$	4,077.50	20200	Sewer Improvements Phase IX - Buschman & 2nd Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW #1273-S014
10	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7220.72	\$	6,847.50	20222	Sewer Improvements Phase X - Quinn St. Area Period: 03/24/18-4/28/18 MB 2011-4/89-110 SDW #1273-S011
11	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7295.70	\$	4,125.00	20223	Water Plant #1 Rehabilitation Period: 03/24/18-4/28/18 MB 2017-81 SDW #1273-W015
12	Shows, Dearman, & Waits, Inc. 301 Second Ave Hattiesburg, MS 39401	093695.7220.72	\$	170,545.03	20250	Sewer Improvements Phase X - Quinn St. Area Period: 04/22/18-05/12/18 MB 2011-4/89-110 SDW #1273-S011

\$ 671,255.64



CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 3, 2018
Project No: 1273-W013.001
Invoice No: 20244

Project Manager Kyle Wallace

Project 1273-W013.001 COMSWIP Water Phase V - I59 Crossing - Construction Phase

Professional Services from March 24, 2018 to April 28, 2018

Phase CM Construction Management

Professional Personnel

	Hours	Rate	Amount
SR. RESIDENT PROJECT REPRESENTATIVE			
Jackson, Terry	20.00	85.00	1,700.00
Tingle, William	2.00	95.00	190.00
GRADUATE ENGINEER			
Riley, Ivy	.50	105.00	52.50
PROJECT ENGINEER			
Sellers, Bennie	4.50	150.00	675.00
Wallace, Kyle	6.00	175.00	1,050.00
Totals	33.00		3,667.50
Total Labor			3,667.50
		Total this Phase	\$3,667.50
		Total this Invoice	\$3,667.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695. 7245.62

MB 2011-4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

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CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 3, 2018
Project No: 1273-W007
Invoice No: 20243

Project Manager Kyle Wallace

Project 1273-W007 ComSWIP Water Phase II - Palmers Crossing

Professional Services from March 24, 2018 to April 28, 2018

Phase CM Palmer's Crossing - Construction Phase

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Jackson, Terry	87.00	85.00	7,395.00	
Tingle, William	49.50	85.00	4,207.50	
PROJECT ENGINEER				
Sellers, Bennie	9.00	150.00	1,350.00	
Wallace, Kyle	23.00	150.00	3,450.00	
Totals	168.50		16,402.50	
Total Labor				16,402.50
		Total this Phase		\$16,402.50
		Total this Invoice		\$16,402.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695. 7245.51
MTB 2011-4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

LR



CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 3, 2018
Project No: 1273-S005
Invoice No: 20241

Project Manager Kyle Wallace

Project 1273-S005 ComSWIP Sewer Phase V

Professional Services from March 24, 2018 to April 28, 2018

Phase CM Phase V - Construction Phase Services

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Jackson, Terry	62.00	85.00	5,270.00	
Tingle, William	35.00	95.00	3,325.00	
GRADUATE ENGINEER				
Riley, Ivy	1.50	105.00	157.50	
CONSTRUCTION OBSERVER				
Riley, Ivy	7.00	105.00	735.00	
PROJECT ENGINEER				
Sellers, Bennie	13.00	150.00	1,950.00	
Wallace, Kyle	15.50	175.00	2,712.50	
Weeks, John	2.00	175.00	350.00	
Totals	136.00		14,500.00	
Total Labor				14,500.00
		Total this Phase		\$14,500.00
		Total this Invoice		\$14,500.00

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093 695 7220.54

MB 2012.1/413

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

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CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 3, 2018
Project No: 1273-S012
Invoice No: 20240

Project Manager Kyle Wallace

Project 1273-S012 COMSWIP Sewer Improv. Phase XII

Professional Services from March 24, 2018 to April 28, 2018

Professional Personnel

	Hours	Rate	Amount	
PROJECT ENGINEER				
Wallace, Kyle	6.50	175.00	1,137.50	
Totals	6.50		1,137.50	
Total Labor				1,137.50
		Total this Invoice		\$1,137.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695.7220.51

MB 2011-4/89-110



CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 3, 2018
Project No: 11256
Invoice No: 20236

Project Manager Kyle Wallace
Project 11256 CIPP Sewer In Various Locations
Professional Services from March 24, 2018 to April 28, 2018

Phase DD Design Phase Services
Professional Personnel

	Hours	Rate	Amount	
PROJECT ENGINEER				
Wallace, Kyle	8.50	175.00	1,487.50	
Weeks, John	6.00	175.00	1,050.00	
Totals	14.50		2,537.50	
Total Labor				2,537.50
		Total this Phase		\$2,537.50
		Total this Invoice		\$2,537.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695.7220.75

MB 2011-4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

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CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 1, 2018
Project No: 1273-S014
Invoice No: 20200

Project Manager Shea McNease

Project 1273-S014 ComSWIP Sewer Phase IX Bushman & 2nd

Professional Services from March 24, 2018 to April 28, 2018

Phase DD Design Phase Services
Professional Personnel

	Hours	Rate	Amount	
ADMINISTRATIVE SERVICES				
Culpepper, Rene	.50		0.00	
CADD TECHNICIAN I				
Simmons, Skyler	7.00	90.00	630.00	
Sullivan, Richard	2.00	105.00	210.00	
FIELD CREW				
Crew, Field	18.50	175.00	3,237.50	
Totals	28.00		4,077.50	
Total Labor				4,077.50
		Total this Phase		\$4,077.50
		Total this Invoice		\$4,077.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695.7220.71

MB 2011-4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

LR



CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 2, 2018
Project No: 1273-S011
Invoice No: 20222

Project Manager John Weeks

Project 1273-S011 ComSWIP Sewer Phase X - Quinn St. Area

Professional Services from March 24, 2018 to April 28, 2018

Professional Personnel

	Hours	Rate	Amount	
CADD TECHNICIAN I				
Simmons, Skyler	17.00	90.00	1,530.00	
Sullivan, Richard	15.00	105.00	1,575.00	
CAD TECHNICIAN II				
Trahan, Beau	27.00	90.00	2,430.00	
ENGINEERING INTERN				
Thomas, Louis	2.50	105.00	262.50	
PROJECT ENGINEER				
Weeks, John	6.00	175.00	1,050.00	
Totals	67.50		6,847.50	
Total Labor				6,847.50
		Total this Invoice		\$6,847.50

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695.7220.72

MB 2011.4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

CR



CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 2, 2018
Project No: 1273-W015
Invoice No: 20223

Project Manager John Weeks
Project 1273-W015 Water Plant #1 Rehabilitation

Professional Services from March 24, 2018 to April 28, 2018

Phase AS Additional Services

Professional Personnel

	Hours	Rate	Amount	
PROJECT ENGINEER				
Weeks, John	10.00	150.00	1,500.00	
Totals	10.00		1,500.00	
Total Labor				1,500.00
Total this Phase				\$1,500.00

Phase DD Design Phase Services
Professional Personnel

	Hours	Rate	Amount	
PROJECT ENGINEER				
Connolly, Nicholas	15.00	175.00	2,625.00	
Totals	15.00		2,625.00	
Total Labor				2,625.00
Total this Phase				\$2,625.00
Total this Invoice				\$4,125.00

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695.7295.70

MB 2017-81

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

LR



CITY OF HATTIESBURG
P. O. BOX 1898
HATTIESBURG, MS 39403-1898

May 14, 2018
Project No: 1273-S011
Invoice No: 20250

Project Manager John Weeks
Project 1273-S011 ComSWIP Sewer Phase X - Quinn St. Area
Professional Services from April 22, 2018 to May 12, 2018

Construction Cost 2,992,750.30
Fee Percentage 9.00
Total Fee 269,347.53

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	269,347.53	100.00	269,347.53	98,802.50	170,545.03
		Totals		269,347.53	98,802.50	170,545.03
		Total Fee				170,545.03
				Total this Invoice		\$170,545.03

Please make checks payable to Shows, Dearman and Waits, Inc. Thank you.

093695.7220.72
MTB 2011-4/89-110

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com



Engineering Progress

CB Developers

May 7, 2018

City of Hattiesburg
Post Office Box 1898
Hattiesburg MS 39403-1898

Attn: Lamar Rutland, P.E.

**RE: Comprehensive Water Improvements Ph II -
City of Hattiesburg**

Dear Mr. Rutland:

Enclosed please find Pay Estimate No. 3 for the above referenced project in the amount of \$371,452.03.

Should you have any questions and/or comments, please, do not hesitate to contact me.

Sincerely,

Kyle D. Wallace, P.E.
Project Engineer

/aa

cc: Terry Jackson, SDW

093695.7245.51

MB 2017-340

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3

To (Owner):		Application Period:		Application Date:	
City of Hattiesburg, Mississippi		Beginning: 3/26/2018		Ending: 4/7/2018	
Project:		From (Contractor):		Via (Engineer):	
Comprehensive Water Improvements Phase II		C.B. Developers, Inc.		Shows, Dearman & Waits Inc.	
Owner's Contract No.:		Contract:			
Not Applicable		Contractor's Project No.:		Engineer's Project No.:	

1. ORIGINAL CONTRACT PRICE	\$	2,054,414.75
2. Net change by Change Orders	\$	-
3. CURRENT CONTRACT PRICE (LINE 1 + 2)	\$	2,054,414.75
4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimates)	\$	1,226,330.59
5. RETAINAGE:		
a. 5.0 % x Work Completed	\$	30,987.83
b. 5.0% x Stored Material	\$	30,328.70
c. Total Retainage (line 5a + line 5b)	\$	61,316.53
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)	\$	1,165,014.06
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)	\$	793,562.03
8. AMOUNT DUE THIS APPLICATION	\$	371,452.03
9. BALANCE TO FINISH, PLUS RETAINAGE		
(Column G on Progress Estimate + Line 5 above)	\$	889,400.69

Approved Change Orders		
Number	Additions	Deductions
TOTALS	\$	\$
NET CHANGE BY CHANGE ORDERS		
		\$

CONTRACTOR'S CERTIFICATION

The undersigned Contractor certifies that: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By:  Date: 4-23-18

EJCDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Progress Estimate

Contractor's Application

For (contract):		Comprehensive Water Improvements Phase II			Application Number: 3					
Application Period:		3/26/2018 TO 4/7/2018			Application Date: 10-Apr-18					
Pay Item	A	Bid Quantity	Unit Price	B	C	D	E	F	%	G
	Item Description			Bid Value	Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	(F)	Balance to Finish (F)
WATER PIPE ITEMS										
1	4" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	260.0	\$ 25.44	\$ 6,614.40	6	\$ 152.64	\$ 3,977.64	\$ 4,130.28	62%	\$ 2,484.12
2	6" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	280.0	\$ 23.74	\$ 6,647.20	26	\$ 617.24	\$ 2,623.82	\$ 3,241.06	49%	\$ 3,406.14
3	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	590.0	\$ 23.72	\$ 13,994.80	1,320	\$ 31,310.40	\$ -	\$ 31,310.40	224%	\$ (17,315.60)
4	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	27000.0	\$ 31.08	\$ 839,160.00	12,920	\$ 401,553.60	\$ 310,745.60	\$ 712,299.20	85%	\$ 126,860.80
5	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED-NO CASING)	1090.0	\$ 66.98	\$ 73,008.20	160	\$ 10,716.80	\$ 4,892.10	\$ 15,608.90	21%	\$ 57,399.30
6	16" 200 PSI, DR9, HDPE (OPEN CUT)(INCL ADAPTER FITTINGS)	780.0	\$ 111.27	\$ 86,790.60	-	\$ -	\$ 45,466.20	\$ 45,466.20	52%	\$ 41,324.40
7	16" 200 PSI, DR9, HDPE (DIRECTION BORE)(INCL ADAPTER FITTINGS)	460.0	\$ 133.85	\$ 61,571.00	177	\$ 23,691.45	\$ 16,496.07	\$ 40,187.52	65%	\$ 21,383.48
CASING ITEMS										
8	18" STEEL CASING, 0.25" WT (OPEN CUT)	20.0	\$ 112.00	\$ 2,240.00	40	\$ 4,480.00	\$ -	\$ 4,480.00	200%	\$ (2,240.00)
9	14" STEEL CASING, 0.25" WT (BORED)	40.0	\$ 94.99	\$ 3,799.60	-	\$ -	\$ 955.60	\$ 955.60	25%	\$ 2,844.00
10	18" STEEL CASING, 0.25" WT (BORED)	610.0	\$ 112.44	\$ 68,588.40	80	\$ 8,995.20	\$ 19,429.80	\$ 28,425.00	41%	\$ 40,163.40
11	20" STEEL CASING, 0.375" WT (BORED-RAILROAD)	740.0	\$ 295.72	\$ 218,832.80	-	\$ -	\$ -	\$ -		\$ 218,832.80
CONNECTION ITEMS										
12	CONNECTION: PROPOSED 12" TO EXISTING 12" (STRAIGHT COUPLER)	2.0	\$ 1,509.99	\$ 3,019.98	-	\$ -	\$ 517.44	\$ 517.44	17%	\$ 2,502.54
13	CONNECTION: PROPOSED 12" TO EXISTING 12" (HOT TAP w/ BRANCH)	3.0	\$ 6,603.33	\$ 19,809.99	-	\$ -	\$ 8,679.60	\$ 8,679.60	44%	\$ 11,130.39
14	CONNECTION: PROPOSED 12" TO PROPOSED 12" (TEE & OTHER)	5.0	\$ 1,741.31	\$ 8,706.55	-	\$ -	\$ 4,069.10	\$ 4,069.10	47%	\$ 4,637.45
15	CONNECTION: PROPOSED 12" TO PROPOSED 12" & 8" (TEE & OTHER)	1.0	\$ 2,191.77	\$ 2,191.77	-	\$ -	\$ 684.46	\$ 684.46	31%	\$ 1,507.31
16	CONNECTION: PROPOSED 12" TO PROPOSED 8" (TEE & OTHER)	2.0	\$ 1,723.93	\$ 3,447.86	-	\$ -	\$ 684.46	\$ 684.46	20%	\$ 2,763.40
17	CONNECTION: PROPOSED 12" TO PROPOSED 12" & EXISTING 12"	1.0	\$ 3,061.78	\$ 3,061.78	-	\$ -	\$ 684.46	\$ 684.46	22%	\$ 2,377.32
18	CONNECTION: PROPOSED 12" TO PROPOSED 12" & EXISTING 12"	2.0	\$ 2,263.80	\$ 4,527.60	1	\$ 2,263.80	\$ -	\$ 2,263.80	50%	\$ 2,263.80
19	CONNECTION: PROPOSED 12" TO EXISTING 6" (TEE & OTHER)	10.0	\$ 1,878.23	\$ 18,782.30	1	\$ 1,878.23	\$ 2,328.48	\$ 4,206.71	22%	\$ 14,575.59
20	CONNECTION: PROPOSED 12" TO EXISTING 6" & 4" (TEES & OTHER)	1.0	\$ 2,813.19	\$ 2,813.19	-	\$ -	\$ 258.72	\$ 258.72	9%	\$ 2,554.47
21	CONNECTION: PROPOSED 12" TO EXISTING 6" & 4" (CROSS & OTHER)	1.0	\$ 3,093.80	\$ 3,093.80	1	\$ 3,093.80	\$ -	\$ 3,093.80	100%	\$ -
22	CONNECTION: PROPOSED 12" TO EXISTING 4" (TEE & OTHER)	12.0	\$ 2,025.74	\$ 24,308.88	4	\$ 8,102.96	\$ 2,069.76	\$ 10,172.72	42%	\$ 14,136.16
TOTALS				\$ 1,475,010.70		\$ 496,856.12	\$ 924,563.31	\$ 921,419.43		\$ 553,591.27

EXDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Progress Estimate

Contractor's Application

For (contract):		Comprehensive Water Improvements Phase II			Application Number:			3		
Application Period:		3/26/2018 TO 4/7/2018		Application Date:			10-Apr-18			
Pay Item	A	Bid Quantity	Unit Price	B	C	D	E	F	G	
	Item Description			Bid Value	Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	% (F)	
	Subtotal from Previous Page			\$ 1,475,010.70		\$ 496,856.12	\$424,563.31	\$ 921,419.43		
23	CONNECTION: PROPOSED 8" TO EXISTING 12" (HOT TAP w/ V	1.0	\$ 3,660.35	\$ 3,680.35	1	\$ 3,660.35	\$ -	\$ 3,660.35	100%	
24	CONNECTION: PROPOSED 8" TO EXISTING 6" (TEE & OTHER F	1.0	\$ 1,702.56	\$ 1,702.56	-	\$ -	\$ -	\$ -		
25	CONNECTION: PROPOSED 8" TO EXISTING 6" & 4" (TEES & OT	1.0	\$ 2,657.87	\$ 2,657.87	2	\$ 5,315.74	\$ -	\$ 5,315.74	200%	
	VALVE ITEMS									
26	4" GATE VALVE	9.0	\$ 684.95	\$ 6,164.55	9	\$ 6,164.55	\$ -	\$ 6,164.55	100%	
27	6" GATE VALVE	14.0	\$ 840.19	\$ 11,762.66	2	\$ 1,680.38	\$ 7,231.32	\$ 8,911.70	76%	
28	8" GATE VALVE	4.0	\$ 1,154.21	\$ 4,616.84	6	\$ 6,925.26	\$ -	\$ 6,925.26	150%	
29	12" GATE VALVE	66.0	\$ 2,036.87	\$ 134,433.42	14	\$ 28,516.18	\$ 79,580.28	\$ 108,096.46	80%	
	FIRE PROTECTION ITEMS									
30	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE	42.0	\$ 3,708.92	\$ 155,774.64	14	\$ 51,924.88	\$ 74,060.28	\$ 125,985.16	81%	
31	6" FIRE SUPPRESSION SYSTEM CONNECTION (INCL. TEE, VALVE	1.0	\$ 4,146.85	\$ 4,146.85	-	\$ -	\$ -	\$ -		
	SERVICE ITEMS									
32	RESIDENTIAL SERVICE TAP (ALL SIZES) (INCL. OPEN CUT SERV	99.0	\$ 445.19	\$ 44,073.81	3	\$ 1,335.57	\$ 13,524.48	\$ 14,860.05	34%	
33	COMMERCIAL SERVICE TAP (ALL SIZES) (INCL. OPEN CUT SERV	17.0	\$ 1,085.64	\$ 18,455.88	3	\$ 3,256.92	\$ 7,614.32	\$ 10,871.24	59%	
34	SERVICE TUBING (BORED) (ALL SIZES)	1585.0	\$ 4.13	\$ 6,546.05	-	\$ -	\$ -	\$ -		
35	RESIDENTIAL METER (INCL. METER, METER BOX, CITY FEES, ET	15.0	\$ 550.23	\$ 8,253.45	-	\$ -	\$ -	\$ -		
	REMOVAL ITEMS									
36	REMOVAL OF FIRE HYDRANT AND APPURTENANCES	24.0	\$ 409.36	\$ 9,824.64	-	\$ -	\$ -	\$ -		
37	ABANDONMENT OF EXISTING WATER LINES WITH FLOWABLE	760.0	\$ 7.75	\$ 5,890.00	-	\$ -	\$ -	\$ -		
38	REMOVE AND RESET EXISTING STORM SEWER CULVERTS (ALL	1.0	\$ 4,678.36	\$ 4,678.36	-	\$ -	\$ -	\$ -		
	MISCELLANEOUS CONSTRUCTION ITEMS									
39	SELECT FILL MATERIAL (CLASS 9, GROUP C), LVM FOR GRAVEL	35.0	\$ 21.05	\$ 736.75	46	\$ 968.30	\$ -	\$ 968.30	131%	
40	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	460.0	\$ 181.29	\$ 83,393.40	9	\$ 1,656.99	\$ -	\$ 1,656.99	2%	
41	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)	338.0	\$ 116.96	\$ 39,532.48	24	\$ 2,860.84	\$ -	\$ 2,860.84	7%	
42	CONCRETE CURB AND GUTTER REPAIR (MATCH EXISTING IN K	25.0	\$ 58.48	\$ 1,462.00	-	\$ -	\$ -	\$ -		
	TOTALS			\$ 2,022,777.26		\$ 611,122.08	\$606,573.99	\$ 1,217,696.07		
									</	

EICDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Contractor's Application

EJCDC No. C-620 (2012 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Monthly Totals

	1	2	3	4	5	6	7	8	9	10	TOTAL
	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
	DESCRIPTION										
	WATER PIPE ITEMS										
1	4	2									6
2	6	20									26
3	60	1260									1320
4	4560	5380	2980								12920
5	20		140								160
6		80	-80								177
7			177								
	CASING ITEMS										
8		40									40
9											
10			80								80
11											
	CONNECTION ITEMS										
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22	3	1	1								4

Monthly Totals

	1	2	3	4	5	6	7	8	9	10	TOTAL
	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
23	1										1
24											
25		2									2
26	3	4	2								9
27		1	1								2
28		6	6								6
29	4	6	4								14
30	5	5	4								14
31											
32		3									3
33		3									3
34											
35											
36											
37											
38											
39	32	14									46
40			9.14								9.14
41			24.46								24.46
42											

Monthly Totals

	1	2	3	4	5	6	7	8	9	10	TOTAL
	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
43	24.26	7.72	15.67								47.65
44											
45		0.5									0.5
46		0.5									0.5
47											

Contractor's Application

EJCDC No. C-620 (2002 Edition)

Page 8 of 10

Stored Material Summary

Contractor's Application

Comprehensive Water Improvements Phase II						Application Number: 3		
Application Period: 3/26/2018 TO 4/7/2018		Application Date:		10-Apr-18				
A	B	C	D		E	F	G	
Pay Item No.	Unit Price	Materials Description	Stored Previously		Stored this Month		Incorporated in Work	
			Quantity	Amount (\$)	Quantity	Amount (\$)		Quantity
		Subtotal From Previous Page		618819.3		117416.68	322395.93	424563.31
23		CONNECTION: PROPOSED 8" TO EXISTING 12" (HOT TAP w/ VALVE ASSEMBLY & OTHER FITTING	-	\$	-	\$	1	\$
24		CONNECTION: PROPOSED 8" TO EXISTING 6" (TEE & OTHER FITTINGS)	-	\$	-	\$	-	\$
25		CONNECTION: PROPOSED 8" TO EXISTING 6" & 4" (TEES & OTHER FITTINGS)	-	\$	-	\$	2	\$
		VALVE ITEMS	-	\$	-	\$	-	\$
26	\$ 499.88	4" GATE VALVE	-	\$	9	\$ 4,498.92	9	\$ 4,498.92
27	\$ 602.61	6" GATE VALVE	-	\$	14	\$ 8,436.54	2	\$ 1,205.22
28	\$ 135.08	8" GATE VALVE	-	\$	4	\$ 540.32	6	\$ 810.48
29	\$ 1,530.39	12" GATE VALVE	-	\$	66	\$ 101,005.74	14	\$ 21,425.46
		FIRE PROTECTION ITEMS	-	\$	-	\$	-	\$
30	\$ 2,645.01	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, HYDRANT, BRASS TAG, PIPE, & O	-	\$	42	\$ 111,090.42	14	\$ 37,030.14
31		6" FIRE SUPPRESSION SYSTEM CONNECTION (INCL. TEE, VALVE, PIPE, DISCONNECTION OF EXIST	-	\$	-	\$	-	\$
		SERVICE ITEMS	-	\$	-	\$	-	\$
32	\$ 140.88	RESIDENTIAL SERVICE TAP (ALL SIZES) (INCL. OPEN CUT SERVICE TUBING, TAPPING SADDLE, COR	-	\$	99	\$ 13,947.12	3	\$ 422.64
33	\$ 543.88	COMMERCIAL SERVICE TAP (ALL SIZES) (INCL. OPEN CUT SERVICE TUBING, TAPPING SADDLE, CO	-	\$	17	\$ 9,245.96	3	\$ 1,631.64
34		SERVICE TUBING (BORED) (ALL SIZES)	-	\$	-	\$	-	\$
35		RESIDENTIAL METER (INCL. METER, METER BOX, CITY FEES, ETC.)	-	\$	-	\$	-	\$
		REMOVAL ITEMS	-	\$	-	\$	-	\$
36		REMOVAL OF FIRE HYDRANT AND APPURTENANCES	-	\$	-	\$	-	\$
37		ABANDONMENT OF EXISTING WATER LINES WITH FLOWABLE FILL	-	\$	-	\$	-	\$
38		REMOVE AND RESET EXISTING STORM SEWER CULVERTS (ALL SIZES)	-	\$	-	\$	-	\$
		MISCELLANEOUS CONSTRUCTION ITEMS	-	\$	-	\$	-	\$
39		SELECT FILL MATERIAL (CLASS 9, GROUP C), LVM FOR GRAVEL DRIVEWAY REPAIR	-	\$	-	\$	46	\$
40		ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	-	\$	-	\$	9	\$
41		CONCRETE PAVEMENT REPAIR (ALL DEPTHS)	-	\$	-	\$	24	\$
42		CONCRETE CURB AND GUTTER REPAIR (MATCH EXISTING IN KIND)	-	\$	-	\$	-	\$
		TOTALS		\$ 618,819.30		\$ 366,181.70		\$ 389,420.43
								\$ 906,573.99

EJCDC No. C-620 (2002 Edition)

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Engineering Progress

CB Developers

May 7, 2018

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403

Attn: Lamar Rutland, P.E.

Re: COMSWIP Water Improvements Phase IV
Miscellaneous Water Connections
City of Hattiesburg

Dear Lamar:

Enclosed please find one (1) copy of Pay Estimate No. 3 in the amount of \$12,982.50 for the above referenced project.

Should you have any questions or comments, please do not hesitate to call.

Sincerely,

Ivy Riley
Project Manager

Enclosure (s)

cc: Ivy Riley, Terry Jackson, SDW

093695.7245.53

MB 2017-109

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

3

	Application Period: Beginning: 12/21/2017 Ending: 2/19/2018	Application Date: 26-Apr-18
To (Owner): City of Hattiesburg	From (Contractor): C. B. Developers, Inc.	Via (Engineer): Shows, Dearman & Waits
Project: Comprehensive Water Improvements-Phase 4	Contract:	
Owner's Contract No.: Not Applicable	Contractor's Project No.: 668	Engineer's Project No.:

1. ORIGINAL CONTRACT PRICE	\$	271,676.78
2. Net change by Change Orders	\$	4,883.00
3. CURRENT CONTRACT PRICE (LINE 1 + 2)	\$	276,559.78
4. TOTAL COMPLETED AND STORED TO DATE (Column F on Progress Estimates)	\$	259,650.08
5. RETAINAGE:		
a. 5.0 % x Work Completed	\$	-
b. 5.0% x Stored Material	\$	-
c. Total Retainage (line 5a + line 5b)	\$	-
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c)	\$	259,650.08
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)	\$	246,667.58
8. AMOUNT DUE THIS APPLICATION	\$	12,982.50
9. BALANCE TO FINISH, PLUS RETAINAGE		
(Column G on Progress Estimate + Line 5 above)		\$
		16,909.70

Change Order Summary			
Approved Change Orders			
Number	Additions	Deductions	
SA-1	\$ 38,391.35	\$ 33,508.35	
TOTALS	\$ 38,391.35	\$ 33,508.35	
NET CHANGE BY CHANGE ORDERS		\$	4,883.00

CONTRACTOR'S CERTIFICATION

The undersigned Contractor certifies that: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: _____ Date: 4-30-18

EJCDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Page 1 of 16

Progress Estimate

Contractor

3.ractor's

For (contract):		Comprehensive Water Improvements-Phase 4		8/5/2017	12/20/2017	Application Number:		26-Apr-18
Application Period:		12/21/2017	TO	2/29/2018		Application Date:		
Pay Item	A	Bid Quantity	Unit Price	Bid Value	C	D	E	F
	Item Description				Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)
1	SITE 1-OLD HIGHWAY 42 BYPASS WATER PIPE ITEMS	580.0	\$ 34.01	\$ 19,725.80	555	\$ 18,875.55		\$ 18,875.55
2	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 8" WA	2.0	\$ 2,412.69	\$ 4,825.38	2	\$ 4,825.38		\$ 4,825.38
3	8" GATE VALVE	1.0	\$ 1,070.88	\$ 1,070.88	1	\$ 1,070.88		\$ 1,070.88
4	2" SERVICE TAP	4.0	\$ 725.03	\$ 2,900.12	1	\$ 725.03		\$ 725.03
5	MISCELLANEOUS CONSTRUCTION ITEMS							
6	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)		\$ 58.75	\$		\$		\$
7	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)		\$ 72.86	\$	28.44	\$ 2,072.14		\$ 2,072.14
8	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)		\$ 82.26	\$		\$		\$
9	TEMPORARY EROSION CONTROL	1.0	\$ 3,525.26	\$ 3,525.26	1	\$ 3,525.26		\$ 3,525.26
10	GRASSING	1.0	\$ 2,056.40	\$ 2,056.40	1	\$ 2,056.40		\$ 2,056.40
11	MOBILIZATION	1.0	\$ 2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72
12	MAINTENANCE OF TRAFFIC	1.0	\$ 3,525.26	\$ 3,525.26	1	\$ 3,525.26		\$ 3,525.26
	10" SDR-11 HDPE (BORED) (CONCRETE, ASPHALT, AND CONCR	1.0	\$ 33,508.35	\$ 33,508.35	1	\$ 33,508.35		\$ 33,508.35
1	SITE 2-OLD HIGHWAY 42 BYPASS WATER PIPE ITEMS	500.0	\$ 54.62	\$ 27,310.00	485	\$ 26,490.70		\$ 26,490.70
2	CONNECTION: PROPOSED 12" WATER LINE OT EXISTING 12" G	2.0	\$ 1,205.98	\$ 2,411.96	2	\$ 2,411.96		\$ 2,411.96
3	12" GATE VALVE	2.0	\$ 1,971.80	\$ 3,943.60	1	\$ 1,971.80		\$ 1,971.80
4	MISCELLANEOUS CONSTRUCTION ITEMS							
5	DRIVEWAY REPAIR (CLASS 4, GROUP B), LVM	35.0	\$ 55.23	\$ 1,933.05	35	\$ 1,933.05		\$ 1,933.05
	TRENCH REPAIR, SELECT FILL (CLASS 9, GROUP C), LVM	60.0	\$ 13.51	\$ 810.60	60	\$ 810.60		\$ 810.60
	TOTALS			\$ 110,484.38		\$ 106,740.08		\$ 106,740.08

EJCDC No. C-620 (2002 Edition)

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Progress Estimate

Contractor's

For (contract):		Comprehensive Water Improvements-Phase 4				Application Number: 3			
Application Period:		12/21/2017 TO 2/19/2018		Application Date: 26-Apr-18					
Pay Item	A	Bid Quantity	Unit Price	Bid Value	C	D	E	F	%
	Item Description				Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	(F)
Subtotal from Previous Page									
6	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	30.0	\$ 99.88	\$ 2,996.40	-	\$ 106,740.08		\$ 106,740.08	
7	TEMPORARY EROSION CONTROL	1.0	\$ 587.54	\$ 587.54	1	\$ 587.54		\$ 587.54	100%
8	GRASSING	1.0	\$ 381.90	\$ 381.90	1	\$ 381.90		\$ 381.90	100%
9	MOBILIZATION	1.0	\$ 1,762.63	\$ 1,762.63	1	\$ 1,762.63		\$ 1,762.63	100%
10	MAINTENANCE OF TRAFFIC	1.0	\$ 1,762.63	\$ 1,762.63	1	\$ 1,762.63		\$ 1,762.63	100%
SITE 3-OLD HIGHWAY 42 BYPASS									
WATER PIPE ITEMS									
1	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	240.0	\$ 55.44	\$ 13,305.60	260	\$ 14,414.40		\$ 14,414.40	108%
2	20" STEEL CASING (OPEN CUT)	100.0	\$ 86.55	\$ 8,655.00	100	\$ 8,655.00		\$ 8,655.00	100%
CONNECTION ITEMS									
3	CONNECTION: PROPOSED 12" WATER LINE OT EXISTING 12" V	2.0	\$ 2,323.15	\$ 4,646.30	3	\$ 6,969.45		\$ 6,969.45	150%
4	12" GATE VALVE	2.0	\$ 1,971.80	\$ 3,943.60	-	\$ -		\$ -	
5	12" INSERT-A-VALVE	1.0	\$ 15,041.13	\$ 15,041.13	-	\$ -		\$ -	
MISCELLANEOUS CONSTRUCTION ITEMS									
6	RIP RAP (SIZE 300)	20.0	\$ 49.94	\$ 998.80	-	\$ -		\$ -	
7	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	30.0	\$ 99.88	\$ 2,996.40	77.50	\$ 7,740.70		\$ 7,740.70	258%
8	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)	10.0	\$ 82.26	\$ 822.60	-	\$ -		\$ -	
9	TEMPORARY EROSION CONTROL	1.0	\$ 587.54	\$ 587.54	1	\$ 587.54		\$ 587.54	100%
10	GRASSING	1.0	\$ 381.90	\$ 381.90	1	\$ 381.90		\$ 381.90	100%
11	MOBILIZATION	1.0	\$ 1,762.63	\$ 1,762.63	1	\$ 1,762.63		\$ 1,762.63	100%
12	MAINTENANCE OF TRAFFIC	1.0	\$ 1,762.63	\$ 1,762.63	1	\$ 1,762.63		\$ 1,762.63	100%
SITE 4-WALNUT STREET									
WATER PIPE ITEMS									
1	6" 200 PSI, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL	230.0	\$ 36.96	\$ 8,500.80	220	\$ 8,131.20		\$ 8,131.20	96%
CONNECTION ITEMS									
TOTALS						\$ 161,640.23		\$ 161,640.23	

EXDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Progress Estimate

Contractor's

For contract:		Comprehensive Water Improvements-Phase 4			Application Number:		3		26-Apr-18	
Application Period:		12/21/2017 TO 2/19/2018			Application Date:					
Pay Item	A Item Description	Bid Quantity	Unit Price	Bid Value	C Estimated Quantity Installed	D Value	E Materials Stored (not in C)	F Total Completed and Stored to Date (D + E)	% (F)	
2	Subtotal from Previous Page									
3	CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 4" W/A 6" GATE VALVE	2.0 \$	2,277.32	\$ 181,380.41	2	\$ 4,554.64		\$ 161,640.23	100%	
4	MISCELLANEOUS CONSTRUCTION ITEMS	2.0 \$	815.51	\$ 1,631.02	1	\$ 815.51		\$ 815.51	50%	
5	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)								#DIV/0!	
6	TEMPORARY EROSION CONTROL	20.0 \$	99.88	\$ 1,997.60	30.8	\$ 3,076.30		\$ 3,076.30	154%	
7	GRASSING	1.0 \$	1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%	
8	MOBILIZATION	1.0 \$	1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%	
9	MAINTENANCE OF TRAFFIC	1.0 \$	2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72	100%	
10	6" X 3/4" SERVICE RECONNECT (CURB, CORP, SADDLE, BOX)	1.0 \$	2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72	100%	
11	3/4" SERVICE TUBING	2.0 \$	472.00	\$ 944.00	5	\$ 2,360.00		\$ 2,360.00	250%	
12	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)	130.0 \$	11.98	\$ 1,557.40	135	\$ 1,617.30		\$ 1,617.30	104%	
	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)		58.75	\$ -	6	\$ 352.50		\$ 352.50	#DIV/0!	
	SITE 5-KATIE AVENUE		82.26	\$ -	3	\$ 246.78		\$ 246.78	#DIV/0!	
1	WATER PIPE ITEMS								#DIV/0!	
2	6" 200 PSI, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL CONNECTION ITEMS	230.0 \$	36.96	\$ 8,500.80	200	\$ 7,392.00		\$ 7,392.00	87%	
3	CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 4" W/A 6" GATE VALVE	2.0 \$	2,042.30	\$ 4,084.60	2	\$ 4,084.60		\$ 4,084.60	100%	
4	MISCELLANEOUS CONSTRUCTION ITEMS	2.0 \$	815.51	\$ 1,631.02	1	\$ 815.51		\$ 815.51	50%	
5	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)								#DIV/0!	
6	TEMPORARY EROSION CONTROL	20.0 \$	99.88	\$ 1,997.60	33	\$ 3,296.04		\$ 3,296.04	165%	
7	GRASSING	1.0 \$	1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%	
8	MOBILIZATION	1.0 \$	1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%	
	MAINTENANCE OF TRAFFIC	1.0 \$	2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72	100%	
	SITE C-ARLEIDGE STREET	1.0 \$	1,762.63	\$ 1,762.63	1	\$ 1,762.63		\$ 1,762.63	100%	
	TOTALS			\$ 218,859.60		\$ 200,831.92		\$ 200,831.92	#DIV/0!	

ECDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Progress Estimate

Contractor's

For contract:		Comprehensive Water Improvements-Phase 4			Application Number: 3		26-Apr-18		
Application Period:		12/21/2017 TO 2/19/2018		Application Date:					
Pay Item	A Item Description	Bid Quantity	Unit Price	Bid Value	C Estimated Quantity Installed	D Value	E Materials Stored (not in C)	F Total Completed and Stored to Date (D + E)	% (F)
1	Subtotal from Previous Page			\$ 218,859.60		\$ 200,831.92		\$ 200,831.92	
	WATER PIPE ITEMS			\$ -		\$ -		\$ -	
2	8" 200 PSI, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL CONNECTION ITEMS	230.0	\$ 49.71	\$ 11,433.30	220	\$ 10,936.20		\$ 10,936.20	96%
3	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 6" WATER LINE	2.0	\$ 2,457.11	\$ 4,914.22	2	\$ 4,914.22		\$ 4,914.22	100%
4	8" GATE VALVE	2.0	\$ 1,101.06	\$ 2,202.12	1	\$ 1,101.06		\$ 1,101.06	50%
	2" SERVICE TAP	1.0	\$ 725.03	\$ 725.03		\$ -		\$ -	
	MISCELLANEOUS CONSTRUCTION ITEMS			\$ -		\$ -		\$ -	
5	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	20.0	\$ 99.88	\$ 1,997.60	28.2	\$ 2,816.62		\$ 2,816.62	141%
6	TEMPORARY EROSION CONTROL	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%
7	GRASSING	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%
8	MOBILIZATION	1.0	\$ 2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72	100%
9	MAINTENANCE OF TRAFFIC	1.0	\$ 2,056.40	\$ 2,056.40	1	\$ 2,056.40		\$ 2,056.40	100%
10	6" X 3/4" SERVICE RECONNECT (CURB, CORP, SADDLE, BOX)	2.0	\$ 472.00	\$ 944.00	6	\$ 2,832.00		\$ 2,832.00	300%
11	3/4" SERVICE TUBING	120.0	\$ 11.98	\$ 1,437.60	190	\$ 2,276.20		\$ 2,276.20	158%
	SITE 7-EDWARDS STREET			\$ -		\$ -		\$ -	
	WATER PIPE ITEMS			\$ -		\$ -		\$ -	
1	8" 200 PSI, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL CONNECTION ITEMS	260.0	\$ 49.55	\$ 12,883.00	240	\$ 11,892.00		\$ 11,892.00	92%
2	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING WATER LINE	2.0	\$ 2,457.11	\$ 4,914.22	2	\$ 4,914.22		\$ 4,914.22	100%
3	8" GATE VALVE	2.0	\$ 1,101.06	\$ 2,202.12	1	\$ 1,101.06		\$ 1,101.06	50%
	MISCELLANEOUS CONSTRUCTION ITEMS			\$ -		\$ -		\$ -	
4	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	20.0	\$ 99.88	\$ 1,997.60	39.9	\$ 3,985.21		\$ 3,985.21	200%
5	TEMPORARY EROSION CONTROL	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%
6	GRASSING	1.0	\$ 1.18	\$ 1.18	1	\$ 1.18		\$ 1.18	100%
7	MOBILIZATION	1.0	\$ 2,937.72	\$ 2,937.72	1	\$ 2,937.72		\$ 2,937.72	100%
	TOTALS			\$ 272,446.97		\$ 255,537.27		\$ 255,537.27	

EMDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Progress Estimate

Contractor's

For (contract):		Comprehensive Water Improvements-Phase 4			Application Number: 3					
Application Period:		12/21/2017 TO 2/19/2018		Application Date: 26-Apr-18						
Pay Item	A	Bid Quantity	Unit Price	B	C	D	E	F	%	
	Item Description			Bid Value	Estimated Quantity	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	(F)	
B	Subtotal from Previous Page MAINTENANCE OF TRAFFIC	1.0	\$ 4,112.81	\$ 272,446.97	1	\$ 255,537.27		\$ 255,537.27	100%	
			\$	\$ 4,112.81		\$ 4,112.81		\$ 4,112.81	#DIV/0!	
			\$	\$		\$		\$	\$	#DIV/0!
			\$	\$		\$		\$	\$	#DIV/0!
			\$	\$		\$		\$	\$	#DIV/0!
			\$	\$		\$		\$	\$	#DIV/0!
			\$	\$		\$		\$	\$	#DIV/0!
			\$	\$		\$		\$	\$	#DIV/0!
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			\$	\$		\$		\$	\$	#DIV/0!
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			\$	\$		\$		\$	\$	#DIV/0!
			\$	\$		\$		\$	\$	#DIV/0!
			\$	\$		\$		\$	\$	#DIV/0!
			\$	\$		\$		\$	\$	#DIV/0!
		TOTALS				\$ 276,559.78		\$ 259,650.08		\$ 259,650.08

Application

G	
Balance to Finish	(B - F)
\$ 850.25	
\$ -	
\$ -	
\$ 2,175.09	
\$ -	
\$ (2,072.14)	
\$ -	
\$ -	
\$ -	
\$ -	
\$ -	
\$ -	
\$ -	
\$ 819.30	
\$ -	
\$ 1,571.80	
\$ -	
\$ -	
\$ 3,744.30	

Application

G	
Balance to Finish (B - F)	
\$ 19,740.18	
\$ 815.51	
\$ (1,078.70)	
\$	
\$	
\$	
\$	
\$	
\$ (1,416.00)	
\$ (58.90)	
\$ (352.50)	
\$ (246.78)	
\$	
\$ 1,108.80	
\$	
\$	
\$ 815.51	
\$ (1,298.44)	
\$	
\$	
\$	
\$	
\$	
\$	
\$ 18,027.68	

: Application

G	
Balance to Finish	(B - F)
\$ 18,027.68	
\$ 497.10	
\$ -	
\$ 1,101.06	
\$ 725.03	
\$ -	
\$ (819.02)	
\$ -	
\$ -	
\$ -	
\$ -	
\$ (1,888.00)	
\$ (838.60)	
\$ -	
\$ 991.00	
\$ -	
\$ -	
\$ 1,101.06	
\$ (1,987.61)	
\$ -	
\$ -	
\$ -	
\$ 16,909.70	

[illegible]

Monthly Totals

	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	TOTAL
		Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
1	SITE 1-OLD HIGHWAY 42 BYPASS WATER PIPE ITEMS	555										555
2	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)											
3	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 8" WATER LINE	2										2
4	8" GATE VALVE	1										1
5	2" SERVICE TAP	1										1
6	MISCELLANEOUS CONSTRUCTION ITEMS											
7	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)											
8	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)		28.44									28.44
9	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)	1										1
10	TEMPORARY EROSION CONTROL	1										1
11	GRASSING	1										1
12	MOBILIZATION	1										1
13	MAINTENANCE OF TRAFFIC	1										1
14	10" SDR-11 HDPE (BORED) (CONCRETE, ASPHALT, AND CONCRETE CURB & GUTTER)	1										1
15	SITE 2-OLD HIGHWAY 42 BYPASS WATER PIPE ITEMS	485										485
16	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)											
17	CONNECTION: PROPOSED 12" WATER LINE OT EXISTING 12" GATE LINE	2										2
18	12" GATE VALVE	1										1
19	MISCELLANEOUS CONSTRUCTION ITEMS											
20	DRIVEWAY REPAIR (CLASS 4, GROUP B), LVM	35										35
21	TRENCH REPAIR, SELECT FILL (CLASS 9, GROUP C), LVM	60										60

Monthly Totals

		1	2	3	4	5	6	7	8	9	10	TOTAL
	DESCRIPTION	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
6	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)											
7	TEMPORARY EROSION CONTROL	1										1
8	GRASSING	1										1
9	MOBILIZATION	1										1
10	MAINTENANCE OF TRAFFIC	1										1
	SITE 3-OLD HIGHWAY 42 BYPASS											
	WATER PIPE ITEMS											
1	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	260										260
2	20" STEEL CASING (OPEN CUT)	100										100
	CONNECTION ITEMS											
3	CONNECTION: PROPOSED 12" WATER LINE OT EXISTING 12" WATER LINE	3										3
4	12" GATE VALVE											
5	12" INSERT-A-VALVE											
	MISCELLANEOUS CONSTRUCTION ITEMS											
6	RIP RAP (SIZE 300)											
7	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)		77.5									77.5
8	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)											
9	TEMPORARY EROSION CONTROL	1										1
10	GRASSING	1										1
11	MOBILIZATION	1										1
12	MAINTENANCE OF TRAFFIC	1										1
	SITE 4-WALNUT STREET											
	WATER PIPE ITEMS											
	6" 200 PS, DR-9, HDPE WATER PIPE (DIRECTIONAL BORE)(INCL. ADAPTER FITTINGS)	220										220
	CONNECTION ITEMS											

Monthly Totals

	DESCRIPTION										TOTAL
	1	2	3	4	5	6	7	8	9	10	Estimated Quantity Installed
2	2										2
3	1										1
4											30.8
5		30.8									1
6		1									1
7	1										1
8	1										1
9	1										1
10	5										5
11	135										135
12											6
		6									3
1	200										200
2	2										2
3	1										1
4											33
5	1										1
6	1										1
7	1										1
8	1										1

Monthly Totals

	1	2	3	4	5	6	7	8	9	10	TOTAL
	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
	DESCRIPTION										
	WATER PIPE ITEMS										
1	220										220
	CONNECTION ITEMS										
2	2										2
3	1										1
4											
	MISCELLANEOUS CONSTRUCTION ITEMS										
5											28.2
6	1	28.2									1
7	1										1
8	1										1
9	1										1
10	6										6
11	190										190
	SITE 7-EDWARDS STREET										
	WATER PIPE ITEMS										
1	240										240
	CONNECTION ITEMS										
2	2										2
3	1										1
	MISCELLANEOUS CONSTRUCTION ITEMS										
4											39.9
5	1	39.9									1
6	1										1
7	1										1

Monthly Totals

	1	2	3	4	5	6	7	8	9	10	TOTAL
	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
8	1										1
	MAINTENANCE OF TRAFFIC										



Engineering Progress

CB Developers

May 7, 2018

City of Hattiesburg
Post Office Box 1898
Hattiesburg MS 39403-1898

Attn: Lamar Rutland, P.E.

RE: Comprehensive Water Improvements Ph V -
City of Hattiesburg

Dear Mr. Rutland:

Enclosed please find Pay Estimate No. 4 for the above referenced project in the amount of \$62,981.08.

Should you have any questions and/or comments, please, do not hesitate to contact me.

Sincerely,

Kyle D. Wallace, P.E.
Project Engineer

/aa

cc: C.B. Developers, SDW files

093695.7245.62

MTB 2017-341

LR

Progress Estimate

Contractor's Application

For Contract: COMPREHENSIVE WATER IMPROVEMENTS PHASE 5		1/26/2018	2/25/2018		3/19/2018		Application Num: 4		23-Apr-18	
Application Period: 2/26/2018 TO 3/25/2018		Application Date:								
Pay Item	A Item Description	Bid Quantity	Unit Price	B	C	D	E	F	%	G
				Bid Value	Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	(F)	Balance to Finish (F)
Site 1-US 49 N & Blackwell Blvd										
WATER PIPE ITEMS										
1	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	1240.0	\$ 21.61	\$ 26,796.40	1,240	\$ 26,796.40	\$ 0.00	\$ 26,796.40	100%	\$ -
2	8" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING	150.0	\$ 43.45	\$ 6,952.00	260	\$ 11,297.00	\$ 0.00	\$ 11,297.00	163%	\$ (4,345.00)
3	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	4390.0	\$ 31.38	\$ 137,758.20	4,870	\$ 152,820.60	\$ 0.00	\$ 152,820.60	111%	\$ (15,062.40)
4	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASIN	380.0	\$ 67.39	\$ 25,608.20	460	\$ 30,999.40	\$ 0.00	\$ 30,999.40	121%	\$ (5,391.20)
5	16" HDPE (DR9)(OPEN CUT)(INCL. ADAPTER FITTINGS)	60.0	\$ 113.72	\$ 6,793.20	-	\$ -	\$ 0.00	\$ -	0%	\$ 6,793.20
6	16" HDPE (DR9)(BORED)(NO CASING)(INCL. ADAPTER FITTING	880.0	\$ 124.87	\$ 107,388.20	-	\$ -	\$ 0.00	\$ -	0%	\$ 107,388.20
6a	22" HDPE (DR13.5) CASING (BORED)	260.0	\$ 148.77	\$ 38,680.20	-	\$ -	\$ 0.00	\$ -	0%	\$ 38,680.20
7	24" STEEL CASING, 0.375" WT (OPEN CUT)	40.0	\$ 85.80	\$ 3,432.00	40	\$ 3,432.00	\$ 0.00	\$ 3,432.00	100%	\$ -
8	24" STEEL CASING, 0.250" WT (BORED)	400.0	\$ 160.72	\$ 64,288.00	500	\$ 80,360.00	\$ 0.00	\$ 80,360.00	125%	\$ (16,072.00)
9	10" HDPE (DR9)(BORED)(NO CASING)(INCL. ADAPTER FITTING	180.0	\$ 63.10	\$ 11,358.00	180	\$ 11,358.00	\$ 0.00	\$ 11,358.00	100%	\$ -
CONNECTION ITEMS										
10	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" W	2.0	\$ 1,381.44	\$ 2,762.88	2	\$ 2,762.88	\$ 0.00	\$ 2,762.88	100%	\$ -
11	CONNECTION: PROPOSED 8" DUCTILE IORN WATER RLNE TO	1.0	\$ 2,915.08	\$ 2,915.08	1	\$ 2,915.08	\$ 0.00	\$ 2,915.08	100%	\$ -
12	CONNECTION: PROPOSED 8" WATER LINE TO PROPOSED 8" W	1.0	\$ 1,416.56	\$ 1,416.56	1	\$ 1,416.56	\$ 0.00	\$ 1,416.56	100%	\$ -
	VAILE AND HYDRANT ITEMS	0.0	\$ -	\$ -	-	\$ -	\$ 0.00	\$ -	#DIV/0!	\$ -
13	8" GATE VALVE	6.0	\$ 1,204.39	\$ 7,226.34	5	\$ 6,021.95	\$ 0.00	\$ 6,021.95	83%	\$ 1,204.39
14	12" GATE VALVE	4.0	\$ 2,119.85	\$ 8,479.40	3	\$ 6,359.55	\$ 0.00	\$ 6,359.55	75%	\$ 2,119.85
15	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE	10.0	\$ 3,907.84	\$ 39,078.40	11	\$ 42,986.24	\$ 0.00	\$ 42,986.24	110%	\$ (3,907.84)
MISCELLANEOUS CONSTRUCTION ITEMS										
16	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)	15.0	\$ 58.54	\$ 878.10	-	\$ -	\$ 0.00	\$ -	0%	\$ 878.10
17	LOOSE RIP RAP, SIZE 100	20.0	\$ 60.88	\$ 1,217.60	-	\$ -	\$ 0.00	\$ -	0%	\$ 1,217.60
18	TEMPORARY EROSION CONTROL	1.0	\$ 585.36	\$ 585.36	1	\$ 585.36	\$ 0.00	\$ 585.36	100%	\$ -
19	GRASSING	1.0	\$ 3,512.14	\$ 3,512.14	1	\$ 3,512.14	\$ 0.00	\$ 3,512.14	100%	\$ -
TOTALS				\$ 497,126.26		\$ 383,623.16	\$ 0.00	\$ 383,623.16		\$ 113,503.10

EJCDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Progress Estimate

Contractor's Application

For (contract):		COMPREHENSIVE WATER IMPROVEMENTS PHASE 5			Application Number:		4			
Application Period:		2/26/2018 TO 3/25/2018			Application Date:		23-Apr-18			
Pay Item	A Item Description	Bid Quantity	Unit Price	B Bid Value	C Estimated Quantity Installed	D Value	E Materials Stored (not in C)	F Total Completed and Stored to Date (D + E)	% (F)	G Balance to Finish (F)
	Subtotal from Previous Page			\$ 497,126.26		\$ 383,623.16	\$0.00	\$ 383,623.16		\$ 113,503.10
20	MOBILIZATION	1.0	\$ 11,707.13	\$ 11,707.13	1	\$ 11,707.13	\$ -	\$ 11,707.13	100%	\$ -
21	MAINTENANCE OF TRAFFIC	1.0	\$ 9,951.06	\$ 9,951.06	1	\$ 9,951.06	\$ -	\$ 9,951.06	100%	\$ -
	SITE 8"-10-COMMERCE DRIVE, I-59, AND THORNHILL DRIVE WATER PIPE ITEMS									
1	6" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	60.0	\$ 21.59	\$ 1,295.40	60	\$ 1,295.40	\$ -	\$ 1,295.40	100%	\$ -
2	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	50.0	\$ 22.37	\$ 1,118.50	85	\$ 1,901.45	\$ -	\$ 1,901.45	170%	\$ (782.95)
3	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	2990.0	\$ 33.75	\$ 100,912.50	3,045	\$ 102,768.75	\$ -	\$ 102,768.75	102%	\$ (1,856.25)
4	16" HDPE (DR9)(OPEN CUT)(INCL. ADAPTER FITTINGS)	380.0	\$ 75.79	\$ 28,800.20	340	\$ 25,768.60	\$ -	\$ 25,768.60	89%	\$ 3,031.60
5	24" STEEL CASING, 0.250" WT (BORED)	340.0	\$ 160.38	\$ 54,529.20	340	\$ 54,529.20	\$ -	\$ 54,529.20	100%	\$ -
	CONNECTION ITEMS									
6	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE	2.0	\$ 3,459.46	\$ 6,918.92	1	\$ 3,459.46	\$ -	\$ 3,459.46	50%	\$ 3,459.46
7	CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 6" WATER LINE	1.0	\$ 1,459.88	\$ 1,459.88	1	\$ 1,459.88	\$ -	\$ 1,459.88	100%	\$ -
8	CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 6" WATER LINE	1.0	\$ 3,768.53	\$ 3,768.53	-	\$ -	\$ -	\$ -	0%	\$ 3,768.53
9	CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 8" WATER LINE	1.0	\$ 1,503.20	\$ 1,503.20	1	\$ 1,503.20	\$ -	\$ 1,503.20	100%	\$ -
10	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 8" WATER LINE	1.0	\$ 4,179.45	\$ 4,179.45	2	\$ 8,358.90	\$ -	\$ 8,358.90	200%	\$ (4,179.45)
11	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" WATER LINE AND HYDRANT ITEMS	1.0	\$ 3,378.68	\$ 3,378.68	-	\$ -	\$ -	\$ -	0%	\$ 3,378.68
12	12" GATE VALVE	4.0	\$ 2,120.16	\$ 8,480.64	1	\$ 2,120.16	\$ -	\$ 2,120.16	25%	\$ 6,360.48
13	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE)	6.0	\$ 3,896.68	\$ 23,381.28	3	\$ 11,690.64	\$ -	\$ 11,690.64	50%	\$ 11,690.64
	MISCELLANEOUS CONSTRUCTION ITEMS									
14	ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	54.0	\$ 101.65	\$ 5,499.90	-	\$ -	\$ -	\$ -	0%	\$ 5,499.90
15	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)	85.0	\$ 58.54	\$ 4,975.90	-	\$ -	\$ -	\$ -	0%	\$ 4,975.90
16	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)	125.0	\$ 40.57	\$ 5,121.25	-	\$ -	\$ -	\$ -	0%	\$ 5,121.25
17	CONCRETE SIDEWALK REPAIR (ALL DEPTHS)	5.0	\$ 40.57	\$ 204.85	-	\$ -	\$ -	\$ -	0%	\$ 204.85
18	TEMPORARY EROSION CONTROL	1.0	\$ 585.36	\$ 585.36	1	\$ 585.36	\$ -	\$ 585.36	100%	\$ -
	TOTALS			\$ 774,898.09		\$ 620,722.35	\$0.00	\$ 620,722.35		\$ 154,175.74

E/CDC No. C-620 (2002 Edition)

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Progress Estimate

Contractor's Application

For contract:		COMPREHENSIVE WATER IMPROVEMENTS PHASE 5			Application Number: 4		23-Apr-18	
Application Period:		2/16/2018 TO 3/25/2018			Application Date:			
Pay Item	A	B	C	D	E	F	G	
	Item Description	Bid Value	Estimated Quantity Installed	Value	Materials Stored (not in C)	Total Completed and Stored to Date (D + E)	Balance to Finish (F)	
		Unit Price	Bid Quantity				% (F)	
	Subtotal from Previous Page			\$ 620,722.35	\$0.00	\$ 620,722.35		
19	GRASSING	\$ 3,512.14	1.0	\$ 3,512.14	\$ -	\$ -	0%	
20	MOBILIZATION	\$ 8,194.99	1.0	\$ 8,194.99	\$ -	\$ 8,194.99	100%	
21	MAINTENANCE OF TRAFFIC	\$ 5,853.57	1.0	\$ 5,853.57	\$ -	\$ 5,853.57	100%	
	SITE 11-US HWY 98 @WESTOVER DRIVE							
	WATER PIPE ITEMS							
1	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	\$ 62.11	80.0	\$ 4,968.80	\$ -	\$ 4,347.70	88%	
2	16" HDPE (DR9)(BORED)(NO CASING)(INCL ADAPTER FITTINGS	\$ 126.51	180.0	\$ 22,843.80	\$ -	\$ 22,843.80	100%	
3	24" STEEL CASING, 0.250"WT (BORED)	\$ 160.59	160.0	\$ 25,694.40	\$ 606.40	\$ 23,089.00	90%	
	CONNECTION ITEMS							
4	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" W	\$ 1,654.22	1.0	\$ 1,654.22	\$ -	\$ 1,654.22	100%	
5	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" V	\$ 3,459.46	1.0	\$ 3,459.46	\$ -	\$ 3,459.46	100%	
	VALVE AND HYDRANT ITEMS							
6	12" GATE VALVE	\$ 2,120.16	2.0	\$ 4,240.32	\$ -	\$ -	0%	
	MISCELLANEOUS CONSTRUCTION ITEMS							
7	TEMPORARY EROSION CONTROL	\$ 585.36	1.0	\$ 585.36	\$ -	\$ 585.36	100%	
8	GRASSING	\$ 585.36	1.0	\$ 585.36	\$ -	\$ -	0%	
9	MOBILIZATION	\$ 585.36	1.0	\$ 585.36	\$ -	\$ 585.36	100%	
10	MAINTENANCE OF TRAFFIC	\$ 585.36	1.0	\$ 585.36	\$ -	\$ 585.36	100%	
	SITE 12-LINCOLN ROAD AND OAK GROVE ROAD							
	WATER PIPE ITEMS							
1	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	\$ 21.14	1520.0	\$ 32,132.80	\$ 1,170.00	\$ 31,400.20	98%	
2	8" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING	\$ 43.45	540.0	\$ 23,463.00	\$ 2,340.00	\$ 17,982.00	77%	
3	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	\$ 34.88	2472.0	\$ 86,223.36	\$ 12,379.14	\$ 78,302.34	91%	
4	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASIN	\$ 67.39	350.0	\$ 23,586.50	\$ -	\$ 34,368.90	146%	
5	10" HDPE (DR9)(BORED)(NO CASING)(INCL ADAPTER FITTING	\$ 58.42	240.0	\$ 16,420.80	\$ -	\$ 31,131.10	190%	
	TOTALS	\$ 1,039,487.69		\$ 868,610.17	\$ 16,495.54	\$ 885,105.71		
							\$ 154,381.98	

EDDC No. C-620 (2002 Edition)

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Contractor's Application

EJCDC No. C-520 (2002 Edition)
 Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Monthly Totals

[illegible]

Monthly Totals

	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	TOTAL
20	MOBILIZATION	1										1
21	MAINTENANCE OF TRAFFIC	1										1
	SITE 8" 10-COMMERCE DRIVE, I-58, AND THORNHILL DRIVE											
	WATER PIPE ITEMS											
1	6" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)		60									60
2	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)		85									85
3	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	1560	1485									3045
4	16" HDPE (DR9)(OPEN CUT)(INCL. ADAPTER FITTINGS)		340									340
5	24" STEEL CASING, 0.250" WT (BORED)		340									340
	CONNECTION ITEMS											
6	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (HOT TAP)		1									1
7	CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 6" WATER LINE (TEE)		1									1
8	CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 6" WATER LINE (HOT TAP)											0
9	CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 8" WATER LINE (TEE)		1									1
10	CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 8" WATER LINE (HOT TAP)		2									2
11	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" WATER LINE (HOT TAP)											0
	VALVE AND HYDRANT ITEMS											
12	12" GATE VALVE		1									1
13	3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, HYDRANT, BRASS TAG, PIPE)	1	2									3
	MISCELLANEOUS CONSTRUCTION ITEMS											
14	ASFHALT PAVEMENT REPAIR (ALL DEPTHS)											0
15	CONCRETE PAVEMENT REPAIR (ALL DEPTHS)											0
16	CONCRETE CURB & GUTTER REPAIR (ALL TYPES)											0
	CONCRETE SIDEWALK REPAIR (ALL DEPTHS)											
18	TEMPORARY EROSION CONTROL				1							1

Monthly Totals

	1	2	3	4	5	6	7	8	9	10	TOTAL
	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed	Estimated Quantity Installed
19	GRASSING										0
20	MOBILIZATION	0.5	0.5								1
21	MAINTENANCE OF TRAFFIC		1								1
	SITE 11-101 HWY 50 @WINSTOWER DRIVE										
	WATER PIPE ITEMS										
1	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)		70								70
2	16" HDPE (DRS)(BORED)(NO CASING)(INCL ADAPTER FITTINGS)		180								180
3	24" STEEL CASING, 0.250PWT (BORED)		140								140
	CORRECTION ITEMS										
4	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" WATER LINE (STRAIGHT REDUCER)		1								1
5	CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (HOT TAP)		1								1
	VALVE AND HYDRANT ITEMS										
6	12" GATE VALVE										0
	MISCELLANEOUS CONSTRUCTION ITEMS										
7	TEMPORARY EROSION CONTROL			1							1
8	GRASSING										0
9	MOBILIZATION		0.5	0.5							1
10	MAINTENANCE OF TRAFFIC		0.5	0.5							1
	SITE 12-LINCOLN ROAD AND OAK GROVE ROAD										
	WATER PIPE ITEMS										
1	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)			120	1310						1430
2	8" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)			60	300						360
3	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)		1080	810	0						1890
4	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)		240	270							510
5	10" HDPE (DRS)(BORED)(NO CASING)(INCL ADAPTER FITTINGS)				455						455

Monthly Totals

[illegible]

Stored Material Summary

3's Application

COMPREHENSIVE WATER IMPROVEMENT'S PHASE 5				1/26/2018		2/25/2018		3/19/2018		4	
Application Period: 2/26/2018 TO 3/25/2018				2/25/2018		2/25/2018		Application Date: 23-Apr-18			
A	B	C	D	E		F		G			
Pay Item No.	Unit Price	Materials Description	Stored Previously		Stored this Month		Incorporated in Work		Materials Remaining in Storage (\$ (D + E - F))		
			Quantity	Amount (\$)	Quantity	Amount (\$)	Quantity	Amount (\$)			
Site 1-JS 49 N & Blackwell Blvd											
WATER PIPE ITEMS											
1		8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	-	\$	0	\$	1,240	\$	\$		
2		8" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)	-	\$	0	\$	260	\$	\$		
3		12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	-	\$	0	\$	4,870	\$	\$		
4		12" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)	-	\$	0	\$	460	\$	\$		
5		16" HDPE (DR9)(OPEN CUT)(INCL. ADAPTER FITTINGS)	-	\$	0	\$	0	\$	\$		
6		16" HDPE (DR9)(BORED)(NO CASING)(INCL. ADAPTER FITTINGS)	-	\$	0	\$	0	\$	\$		
6a		22" HDPE (DR13.5) CASING (BORED)	-	\$	0	\$	0	\$	\$		
7		24" STEEL CASING, 0.375"WT (OPEN CUT)	-	\$	0	\$	40	\$	\$		
8		24" STEEL CASING, 0.250"WT (BORED)	-	\$	0	\$	500	\$	\$		
9		10" HDPE (DR9)(BORED)(NO CASING)(INCL. ADAPTER FITTINGS)	-	\$	0	\$	180	\$	\$		
CONNECTION ITEMS											
10		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (STRAIGHT)	-	\$	0	\$	2	\$	\$		
11		CONNECTION: PROPOSED 8" DUCTILE ITORN WATE RLNE TO PROPOSED 12" HDPE WATER LINE	-	\$	0	\$	1	\$	\$		
12		CONNECTION: PROPOSED 8" WATER LINE TO PROPOSED 8" WATER LINE (TEE)	-	\$	0	\$	1	\$	\$		
VALVE AND HYDRANT ITEMS											
13		8" GATE VALVE	-	\$	0	\$	5	\$	\$		
14		12" GATE VALVE	-	\$	0	\$	3	\$	\$		
15		3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, HYDRANT, BRASS TAG, PIPE, & O	-	\$	0	\$	11	\$	\$		
MISCELLANEOUS CONSTRUCTION ITEMS											
16		CONCRETE PAVEMENT REPAIR (ALL DEPTHS)	-	\$	0	\$	0	\$	\$		
17		LOOSE RIP RAP, SIZE 100	-	\$	0	\$	0	\$	\$		
18		TEMPORARY EROSION CONTROL	-	\$	0	\$	1	\$	\$		
19		GRASSING	-	\$	0	\$	1	\$	\$		
			TOTALS		\$ -		\$ -		\$0.00		

EJCDC No. C-620 (2002 Edition)

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Stored Material Summary

Contractor's Application

For (contract):				COMPREHENSIVE WATER IMPROVEMENTS PHASE 5				Application Number: 4			
Application Period:				2/26/2018		TO 3/25/2018		Application Date: 23-Apr-18			
A	B	C	D	E		F		G			
Pay Item No.	Unit Price	Materials Description	Stored Previously		Stored this Month		Incorporated in Work		Materials Remaining in Storage (\$)(D + E - F)		
			Quantity	Amount (\$)	Quantity	Amount (\$)	Quantity	Amount (\$)			
20		MOBILIZATION		\$ -		\$ -		\$ -	\$0.00		
21		MAINTENANCE OF TRAFFIC		\$ -	0	\$ -	1	\$ -			
		SITE 8"-10-COMMERCE DRIVE, I-59, AND THORNHILL DRIVE		\$ -	0	\$ -	1	\$ -			
		WATER PIPE ITEMS									
1	\$ 10.33	6" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	60	\$ 619.80	0	\$ -	60	\$ 619.80	\$ -		
2	\$ 13.00	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	50	\$ 650.00	0	\$ -	85	\$ 1,105.00	\$ -		
3	\$ 21.27	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	2,990	\$ 63,597.30	0	\$ -	3,045	\$ 64,767.15	\$ -		
4		16" HDPE (DR9)(OPEN CUT)(INCL. ADAPTER FITTINGS)	-	\$ -	0	\$ -	340	\$ -	\$ -		
5	\$ 30.32	24" STEEL CASING, 0.250"WT (BORED)	340	\$ 10,308.80	0	\$ -	340	\$ 10,308.80	\$ -		
		CONNECTION ITEMS									
6		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (HOT TAP)	-	\$ -	0	\$ -	1	\$ -	\$ -		
7		CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 6" WATER LINE (TEE)	-	\$ -	0	\$ -	1	\$ -	\$ -		
8		CONNECTION: PROPOSED 6" WATER LINE TO EXISTING 6" WATER LINE (HOT TAP)	-	\$ -	0	\$ -	0	\$ -	\$ -		
9		CONNECTION: PROPOSED 12" WATER LINE TO PROPOSED 8" WATER LINE (TEE)	-	\$ -	0	\$ -	1	\$ -	\$ -		
10		CONNECTION: PROPOSED 8" WATER LINE TO EXISTING 8" WATER LINE (HOT TAP)	-	\$ -	0	\$ -	2	\$ -	\$ -		
11		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" WATER LINE (HOT TAP)	-	\$ -	0	\$ -	0	\$ -	\$ -		
		VALVE AND HYDRANT ITEMS									
12		12" GATE VALVE	-	\$ -	0	\$ -	1	\$ -	\$ -		
13		3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, HYDRANT, BRASS TAG, PIPE, & ORIFICE)	-	\$ -	0	\$ -	3	\$ -	\$ -		
		MISCELLANEOUS CONSTRUCTION ITEMS									
14		ASPHALT PAVEMENT REPAIR (ALL DEPTHS)	-	\$ -	0	\$ -	0	\$ -	\$ -		
15		CONCRETE PAVEMENT REPAIR (ALL DEPTHS)	-	\$ -	0	\$ -	0	\$ -	\$ -		
16		CONCRETE CURB & GUTTER REPAIR (ALL TYPES)	-	\$ -	0	\$ -	0	\$ -	\$ -		
17		CONCRETE SIDEWALK REPAIR (ALL DEPTHS)	-	\$ -	0	\$ -	0	\$ -	\$ -		
18		TEMPORARY EROSION CONTROL	-	\$ -	0	\$ -	1	\$ -	\$ -		
		TOTALS		\$ 75,175.90		\$ -		\$ 76,800.75	\$0.00		

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Stored Material Summary

Contractor's Application

For (contract):			COMPREHENSIVE WATER IMPROVEMENTS PHASE 5			Application Number: 4			
Application Period:			2/26/2018 TO 3/25/2018		Application Date: 23-Apr-18				
A	B	C	D		E		F		G
Pay Item No.	Unit Price	Materials Description	Stored Previously		Stored this Month		Incorporated in Work		Materials Remaining in Storage (\$)(D + E - F)
			Quantity	Amount (\$)	Quantity	Amount (\$)	Quantity	Amount (\$)	
19		GRASSING		\$ 75,175.90		\$ -		\$ 76,800.75	\$0.00
20		MOBILIZATION		\$ -	0	\$ -	0	\$ -	\$ -
21		MAINTENANCE OF TRAFFIC		\$ -	0	\$ -	1	\$ -	\$ -
				\$ -	0	\$ -	1	\$ -	\$ -
		SITE 11-US HWY 98 @WESTOVER DRIVE							
		WATER PIPE ITEMS							
1		12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)		\$ -	0	\$ -	70	\$ -	\$ -
2		16" HDPE (DR9)(BORED)(NO CASING)(INCL ADAPTER FITTINGS)		\$ -	0	\$ -	180	\$ -	\$ -
3	\$ 30.32	24" STEEL CASING, 0.250"WT (BORED)	160	\$ 4,851.20	0	\$ -	140	\$ 4,244.80	\$ 606.40
		CONNECTION ITEMS							
4		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 8" WATER LINE (STRAIGHT REDUCER)		\$ -	0	\$ -	1	\$ -	\$ -
5		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (HOT TAP)		\$ -	0	\$ -	1	\$ -	\$ -
		VALVE AND HYDRANT ITEMS							
6		12" GATE VALVE		\$ -	0	\$ -	0	\$ -	\$ -
		MISCELLANEOUS CONSTRUCTION ITEMS							
7		TEMPORARY EROSION CONTROL		\$ -	0	\$ -	1	\$ -	\$ -
8		GRASSING		\$ -	0	\$ -	0	\$ -	\$ -
9		MOBILIZATION		\$ -	0	\$ -	1	\$ -	\$ -
10		MAINTENANCE OF TRAFFIC		\$ -	0	\$ -	1	\$ -	\$ -
		SITE 12-LINCOLN ROAD AND OAK GROVE ROAD							
		WATER PIPE ITEMS							
1	\$ 13.00	8" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	1,520	\$ 19,760.00	0	\$ -	1,430	\$ 18,590.00	\$ 1,170.00
2	\$ 13.00	IRON WATER PIPE (BORED)(NO CASING)	540	\$ 7,020.00	0	\$ -	360	\$ 4,680.00	\$ 2,340.00
3	\$ 21.27	12" CLASS 350 DUCTILE IRON WATER PIPE (OPEN CUT)	2,472	\$ 52,579.44	0	\$ -	1,890	\$ 40,200.30	\$ 12,379.14
4	\$ 21.27	12" CLASS 350 DUCTILE IRON WATER PIPE (BORED)(NO CASING)	350	\$ 7,444.50	0	\$ -	510	\$ 10,847.70	\$ 510
5	\$ 20.16	10" HDPE (DR9)(BORED)(NO CASING)(INCL ADAPTER FITTINGS)	200	\$ 4,032.00	0	\$ -	455	\$ 9,172.80	\$ -
		TOTALS		\$ 170,863.04		\$ -		\$ 164,536.35	\$16,495.54

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Stored Material Summary

Contractor's Application

For (contract):				COMPREHENSIVE WATER IMPROVEMENTS PHASE 5				Application Number: 4			
Application Period:				2/26/2018		TO 3/25/2018		Application Date: 23-Apr-18			
A	B	C	D		E		F		G		
Pay Item No.	Unit Price	Materials Description	Stored Previously		Stored this Month		Incorporated in Work		Materials Remaining in Storage (\$)(D + E - F)		
			Quantity	Amount (\$)	Quantity	Amount (\$)	Quantity	Amount (\$)			
6		Subtotal From Previous Page	-	\$ 170,863.04	0	\$ -	160	\$ 164,536.35	\$16,495.54		
7		CONNECTION ITEMS									
8		CONNECTION: PROPOSED 8" WATER LINE TO PROPOSED 12" WATER LINE (STRAIGHT)	-	\$ -	0	\$ -	1	\$ -	\$ -		
9		CONNECTION: PROPOSED 12" WATER LINE TO EXISTING 12" WATER LINE (STRAIGHT)	-	\$ -	0	\$ -	1	\$ -	\$ -		
		CONNECTION: PROPOSED 12" X 12" X 12" (TEE)	-	\$ -	0	\$ -	1	\$ -	\$ -		
10	\$ 743.69	VALVE AND HYDRANT ITEMS									
11	\$ 1,352.01	8" GATE VALVE	3	\$ 2,231.07	0	\$ -	1	\$ 743.69	\$ 1,487.38		
12	\$ 1,380.68	12" GATE VALVE	6	\$ 8,112.06	0	\$ -	5	\$ 6,760.05	\$ 1,352.01		
		3 WAY FIRE HYDRANT w/ APPURTENANCES (INCL. TEE, VALVE, HYDRANT, BRASS TAG, PIPE, & OTHER)	10	\$ 13,806.80	0	\$ -	8	\$ 11,045.44	\$ 2,761.36		
13		MISCELLANEOUS CONSTRUCTION ITEMS									
14		TEMPORARY EROSION CONTROL	-	\$ -	0	\$ -	1	\$ -	\$ -		
15		GRASSING	-	\$ -	0	\$ -	1	\$ -	\$ -		
16		MOBILIZATION	-	\$ -	0	\$ -	1	\$ -	\$ -		
		MANITENANCE OF TRAFFIC	-	\$ -	0	\$ -	0	\$ -	\$ -		
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E/CDC No. C-620 (2002 Edition)

Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Hattiesburg, Mississippi does hereby certify to Regions Bank, as trustee in respect to the referenced Bonds (the Trustee”):

- (1) The amounts herein requisitioned to be paid to the above-designated payees are for the items or services hereinabove described.
- (2) The items or services listed above for which payment is proposed to be made hereunder have not formed the basis for any payment heretofore made from the Series 2016 Project Fund Construction Account.
- (3) Each of the items was reasonable and necessary in connection with the “Construction Project” being financed pursuant to the Loan Agreement dated as of August 18, 2016 (the “Loan Agreement”).
- (4) The payment herein authorized and approved is a proper charge against the Series 2016 Project Fund Construction Account as provided for in Section 3 of the Loan Agreement.
- (5) The invoices or statements from the contractor, vendor or other payee or other document supporting the amounts requisitioned herein are on file with the City.

CITY OF HATTIESBURG, MISSISSIPPI

By:

Title:


Mayor or City Clerk
(Authorized City Representative)

As Approved by:

Regions Commercial Equipment Finance, LLC
As Purchaser

Authorized Officer



City of Hattiesburg, MS

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

Master

File Number: 2018-457

File ID: 2018-457

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 05/14/2018

Brief Title: Authorize Mayor to execute in duplicate Agreement
for Sewer Treatment with Westhaven Subdivision.

Final Action: 05/22/2018

Minute Book Number: MB2018-132

Title:

Authorize Mayor to execute Agreement in duplicate for Sewer Treatment with
Westhaven Subdivision.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-8

Sponsors:

Enactment Date:

Attachments: Sewer Agreement-Westhaven, Aerial for City, Color
Aerial for City, Legal Description, ORD#3167,
executed ORD-Sewer Rates, 9-14-15, executed
Sewer Agreement-Westhaven

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/22/2018	Authorize				Pass
Action Text: A MOTION was made by Council Vice President Dryden and seconded by Council Member George to Authorize Mayor to execute Agreement in duplicate for Sewer Treatment with Westhaven Subdivision.							
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 2018-457

Title

Authorize Mayor to execute Agreement in duplicate for Sewer Treatment with Westhaven Subdivision.

Summary

Authorize Mayor to execute Agreement in duplicate for Sewer Treatment with Westhaven Subdivision.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

AGREEMENT for SEWER TREATMENT

THIS AGREEMENT, entered into on the day and date hereinafter provided by and between the CITY OF HATTIESBURG, MISSISSIPPI, a municipal corporation hereinafter referred to as "Hattiesburg" or "the City," and **Westhaven Subdivision**, hereinafter referred to as "Utility Company" for the purpose of setting forth the terms, conditions and covenants under and consistent with which Hattiesburg will receive Domestic Wastewater flow from Utility Company into Hattiesburg's wastewater collection system and treatment facility, and to provide for payment of Hattiesburg's conveyance and treatment charges.

ARTICLE I

Definitions

Section 1.01. DEFINITIONS OF TERMS. Terms and expressions used in this Agreement, including the preamble hereof, shall have the meaning set forth in this Article:

- (a) "*Calendar year*" means the twelve (12) month period beginning January 1 of each year.
- (b) "*Connection*" means one unit or one single occupied dwelling per building (e.g., duplex with two dwellings has two connections, and a building with ten individual units has ten connections).
- (c) "*Domestic wastewater*" means liquid and water-carried waste discharge from sanitary conveniences of dwellings, business buildings, institutions and the like, as distinct from wastes in industrial waste.
- (d) "*Exceedance*" means excess flow based on allowable capacity.
- (e) "*Hattiesburg*" means the City of Hattiesburg, Mississippi, a municipal corporation.
- (f) "*Industrial waste*" means the liquid and water born wastes from industrial processes as distinct from wastes in Domestic Wastewater.
- (g) "*Month*" means calendar month.

- (h) "*Operation and maintenance expense*" means the current expense paid or accrued in the operation, maintenance, and ordinary repair of the wastewater treatment facility and wastewater collection system of Hattiesburg (including, but not limited to the North and South lagoons) and shall include, without limitation on the generality of the foregoing, capital expenditures, indebtedness, insurance premiums and administrative expenses of Hattiesburg and such other reasonable and necessary current expenses relating to the wastewater treatment facility and wastewater collection system, as defined in paragraph B of Chapter 21, Section 30, of Hattiesburg's Code of Ordinances (Ordinance No. 3167, as adopted by the City Council on Sept. 14, 2015), a copy of which is attached hereto and made a part hereof, and as shall be in accordance with sound accounting practices.
- (i) "*Person*" means and includes the state of Mississippi, a public agency as defined herein, or any municipal entity, town, or political subdivision of any governmental agency of the State of Mississippi or the United States of America, or any individual, co-partnership, association, firm, trust, State, or any other entity whatsoever.
- (j) "*Point of entry*" means the point at which wastewater enters Hattiesburg's wastewater collection system.
- (k) "*Wastewater*" means Domestic Wastewater.
- (l) "*Wastewater collection system*" means the array of wastewater pipes, manholes, and pump stations which function to transport wastewater from service sources to a wastewater treatment facility.
- (m) "*Wastewater treatment facility*" means the facility of Hattiesburg for treatment and disposal of wastewater, situated in Forrest County, Mississippi, as such facility now exists and as it may be hereinafter improved, enlarged, and/or expanded by Hattiesburg.

ARTICLE II

Scope of the Agreement

Section 2.01. RESPONSIBILITIES OF THE PARTIES.

- 1) Hattiesburg agrees to accept and treat all volumes of wastewater delivered by and from the Utility Company.

- 2) Upon final completion of the construction of any needed improvements, Utility Company would own, operate, and maintain that portion of the System which lies upstream of the point of wastewater entry to the Municipality.
- 3) Upon final completion of the construction of any needed improvements, Hattiesburg would own, operate, and maintain that portion of the sewer system at the point of wastewater entry to the Municipality and the downstream lines connecting thereto, not including the metering station, which will be owned, operated, and maintained by Utility Company, as provided in Section 3.05, below.

Section 2.02. EXISTING FACILITIES. Utility Company will provide to the City the total number of existing individual connections which are connected to Utility Company's system and facilities as of the date this Agreement is entered into and executed by the Parties to this Agreement – City and Utility Company. The system inspection required under section 2.03 is to be performed at the time of the execution and signing of this Agreement if possible, but not in any case more than six (6) months thereafter. The Utility Company's total number of existing connections shall be provided to the City in the form of a written report signed by a licensed, professional engineer. It is agreed by the parties that the existing facilities have sufficient capacity for the proper transport and treatment of the proposed wastewater to be received by Hattiesburg. If, however, a transmission line, an interceptor, or other directly affected facilities of Hattiesburg should become inadequate, in the opinion of the City Engineer of Hattiesburg, to properly transport or treat the flow of wastewater from the Utility Company, then upon fifteen (15) days' written notification from the Hattiesburg, Utility Company shall refrain from further increasing the flow of wastewater into Hattiesburg's system and, if necessary, shall take reasonable and appropriate steps to reduce such flow to a level deemed appropriate by the City Engineer of Hattiesburg. Hattiesburg will then promptly proceed to repair, replace, or enlarge its facilities such that Utility Company may, upon completion of the repairs, resume full and unrestricted flow to Hattiesburg. Failure of Utility Company to respond to such notice within fifteen (15) days shall be grounds for immediate suspension of service by Hattiesburg until it responds to the notice.

Section 2.03. SYSTEM INSPECTION. An initial system inspection – including a determination of the total number of Utility Company's connections – is required to be performed at the time of the execution and signing of this Agreement if possible, but not in any case more than six (6) months thereafter. The Utility Company's total number of existing connections will be in writing and signed by a professional engineer. Thereafter, Utility Company will perform an inspection of its existing system and facilities every five (5) years, unless requested more frequently by the City, and report to Hattiesburg in writing the number of its total connections. This report shall be approved and signed by a licensed, professional engineer.

Section 2.04. REPAIR OR REPLACEMENT OF FACILITIES. If a transmission line, an interceptor, or other facility transporting the wastewater flow from Utility Company, in the opinion of the Hattiesburg City Engineer, required repair or replacement, Utility Company will participate in the cost of such improvement by paying a proportionate share to construct such improvements. Upon proper and timely notice, Utility Company will pay to Hattiesburg a sum of money equal to the product of the cost of the improvement times the percentage of flow contributed to the improved segment or facility by Utility Company during the preceding fiscal year. Utility Company's cost share previously described will be due within thirty (30) days of the award of the construction contract for such improvements. Utility Company shall participate in, and concur with, the design and construction practices of the changes or improvements to the facilities that require cost participation by Utility Company.

Section 2.05. CAPACITY ANALYSIS. The City will establish the capacity of the collection system downstream of Utility Company and communicate the capacity in writing to Utility Company which is hereby incorporated into this contract as if fully set forth, herein. The City has the discretion to bill the expense of such capacity studies directly to Utility Company. The Utility Company shall operate and maintain the sewer collection system of the Utility Company such that Infiltration and Inflow are minimized. The Utility Company agrees to diligently pursue reductions in Inflow and Infiltration within the wastewater collection and transmission system operated and maintained by the Utility Company, as well as any parties contributing waste water to the Utility Company's system. The Utility Company will comply with all sanitary sewer overflow rules set forth by the MDEQ, the EPA, and any other governmental body having legal authority to set standards sewer collection and transmission systems of similar size and character

Section 2.06. EXCEEDANCE OF CAPACITY. In the event Utility Company is in exceedance of capacity, Hattiesburg will issue a notice of violation for any and all violations of capacity, and the City may within its discretion terminate this Agreement for noncompliance and material breach under Article VII and/or require the Utility Company to provide a proposed, corrective action plan to be approved by Hattiesburg which will include an infiltration and inflow study (NASCO standards) and a detailed plan of corrective action the Utility Company will take, including the manner of corrective action, the deadline by which the corrective action will be completed, and the cost of the corrective action.

ARTICLE III

Discharge of Wastewater, Title, and Metering

Section 3.01. DISCHARGE. Utility Company shall have permission to discharge Domestic Wastewater into Hattiesburg's wastewater collection system from Utility Company's certificated sewer service area, as described by legal description and aerial plot in attached exhibit(s). The number of service connections shall be limited to the proposed number of lots and/or units indicated in the attached exhibit.

Section 3.02. POINT OF ENTRY. Utility Company shall discharge its Domestic Wastewater through a municipally maintained point or points of entry designated by Hattiesburg. Hattiesburg hereby designates the following as the Point of Entry, to which Utility Company agrees:

ML Section 3.03. CONVEYANCE TO POINT OF ENTRY. It shall be the sole responsibility of Utility Company, including any liability incurred in connection therewith, to convey such wastewater to the Point of Entry, as specifically defined and agreed to in Section 2.02, through Utility Company's disposal system to Hattiesburg's wastewater collection system. Utility Company shall have sole construction and maintenance responsibility for the sewer pipe and facilities running and existing between Utility Company's certificated sewer service area, as defined in attached exhibit(s), and the Point of Entry, as specifically defined and agreed to in Section 2.02. Hattiesburg reserves the right to inspect Utility Company's disposal system for irregularities that could result in inadmissible discharges into Hattiesburg's system including inflow/infiltration, grease, and industrial waste. Hattiesburg shall have no maintenance responsibilities for Utility Company's sewer pipe and facilities. Hattiesburg shall be responsible for maintenance only at the Point of Entry, as defined in Section 2.02. *ML*

Section 3.04. TITLE TO WASTEWATER AND RESPONSIBILITY THEREFORE. Title to wastewater discharged hereunder shall remain in Utility Company until Point of Entry and, upon passing through Point of Entry, title thereto and all effluent therefrom shall pass to Hattiesburg. Utility Company agrees to save and hold harmless the City of Hattiesburg from all claims, demands, and causes of action which may be asserted by any person on account of the reception, transportation, delivery, and disposal of Domestic Wastewater while title thereto remains in or passes to Utility Company. Provided, however, that any administrative, non-routine, emergency, or other specific charge or assessment against Hattiesburg resulting from the operation of Utility Company's disposal system shall be deemed an expense of and charged to Utility Company regardless of whether title to the Domestic Wastewater giving rise to any such charge against Hattiesburg has vested in Hattiesburg; such charge shall be payable by Utility Company upon presentation of adequate cost and responsibility. Utility Company shall be advised of and have the right to contest any charge or assessment made by any charging agency. Nothing herein is intended or should be construed to indemnify or hold harmless either party for such party's own

negligence. This covenant is not made for the benefit of any third party. Hattiesburg takes responsibility as between the parties hereto for the proper reception and ultimate treatment and disposal of such wastewater received by it at Point of Entry; provided, however, that the wastewater meets applicable Federal and State standards and restrictions.

The parties understand and agree that the sewer pipe and facilities running and existing between Utility Company's certificated sewer service area, as defined in attached exhibit(s), and the Point of Entry, as defined in Section 2.02, is the exclusive property of Utility Company and neither Hattiesburg nor any third party shall have any right whatsoever to connect or tie into such pipe or facilities, nor any duty to maintain such pipe or facilities.

Section 3.05. METERING. At Point of Entry into Hattiesburg's wastewater collection system, the necessary equipment and device of standard type for measuring properly all of Utility Company's Domestic Wastewater shall be installed, operated and maintained by Utility Company. Such meter shall be an automatic meter reading (AMR) meter specified by the City to be compatible with the City's automated system and shall be the property of Utility Company. Hattiesburg and Utility Company shall have access to such metering equipment at all reasonable times for inspection and examination. Meters shall be calibrated annually at the end of the calendar year with certified calibration report submitted to the City for verification. If for any reason a meter is out of service or out for repair, or if, upon any test, accuracy of any meter is found to be inaccurate by ten percent (10%) or more, plus or minus, of the flow, registration thereof shall be corrected for a period of time extending back to the time when such inaccuracy began, if such a time is ascertainable, and if such a time is not ascertainable, then for a period extending back one-half (1/2) of the time elapsed since the date of the last calibration, but in no event further back than a period of six (6) months. The out of service or malfunctioning meter shall be repaired by the Utility Company within four weeks of detection of malfunction.

Section 4.06. UNIT OF MEASUREMENT. The unit of measurement for wastewater delivery hereunder shall be one thousand (1,000) gallons, U.S. Standard Liquid Measure.

ARTICLE IV

Comprehensive Sewer Use Provisions

Section 4.01. ADMISSIBLE DISCHARGES. Utility Company agrees that wastewater discharge from its system into Hattiesburg's wastewater collection system shall be of such quality that:

- (a) Effluent thereof shall not be in violation of and shall fully comply with Chapter 21, Section 24, of Hattiesburg's Code of Ordinances (Ordinance No. 3167, as adopted by the City Council on Sept. 14, 2015), a copy of which is attached hereto and made a part hereof; and
- (b) Effluent thereof meets the then current standards of the State Department of Environmental Quality and the United States Environmental Protection Agency and any other governmental body having a legal authority to set standards for such effluent, including those within any Order, Judgment, or Decree of any United States District Court or Mississippi Commission on Environmental Quality; and
- (c) Hattiesburg's wastewater treatment facility or wastewater collection system lines are not damaged to the extent to cause unnecessary repairs or replacement or increased operation and maintenance expenses.
- (d) Stormwater inflow or infiltration in any appreciable amount is not introduced into the effluent stream.

Section 4.02. COMPREHENSIVE SEWER USE PROVISIONS. Utility Company shall adopt, maintain and impose upon its users such rules and regulations as are necessary to ensure compliance with Section 3.01 to the same extent as would be imposed by Chapter 21 of Hattiesburg's Code of Ordinances (Ordinance No. 3167, as adopted by the City Council on Sept. 14, 2015), a copy of which is attached hereto and made a part hereof, if such a user were located within the jurisdiction of Hattiesburg.

Section 4.03. INDUSTRIAL WASTE. Utility Company shall not allow the discharge of any industrial waste into its sewer system without written consent of Hattiesburg. Before any such consent may be given, the industry shall file with Hattiesburg a statement showing the average analysis of the industrial waste it wishes to discharge. No consent for the discharge of industrial waste will be given by Hattiesburg if such waste does not pass through an inspection manhole located so as to be accessible at all times to inspectors of Hattiesburg and Utility Company. Utility Company shall ensure that its collection system is protected from illicit third party discharging, including industrial or septic tank discharges. If inspection indicates that damage may be resulting from the discharge, Utility Company shall be responsible to Hattiesburg for any such damages, payable immediately upon determination of the amount involved by the parties.

Section 4.04. TESTING. Utility Company shall allow Hattiesburg access to its system at any accessible point for purposes of taking samples of Utility Company's wastewater for analysis to ensure compliance with ARTICLE III of this agreement. The results of such analysis will be made available to Utility Company at its request.

ARTICLE V

Payments, Structure Limitations, and Annual Adjustments

Section 5.01 INITIATION FEE. If Utility Company does not already have a physical connection established to transmit effluent into City's facilities, the Utility Company will pay to the City of Hattiesburg a sum of \$10,000.00 upon execution of this Agreement for establishing a new connection between the City and Utility Company.

Section 5.02 CONNECTION FEES. Utility Company shall pay to the City of Hattiesburg a connection fee in the amount of three hundred dollars (\$300.00) per new individual customer connection to Utility Company, and said fee will be paid before said connection is connected to Utility Company's sewer collection line. For the purposes of this Section, a "new" connection is a connection established after this Agreement is entered into and executed by the Parties – City and Utility Company – and not counting existing connections under Section 2.02 of this Agreement.

Section 5.03 RATE. Utility Company shall pay to Hattiesburg for conveyance and treatment of its wastewater a rate per thousand gallons equal to double the current sewer rate set by Ordinance of the Mayor and Council of the City of Hattiesburg for those rate-payers within the corporate limits of the City of Hattiesburg. Rates will be adjusted annually in accordance with any rate changes that the City of Hattiesburg may impose on its customer base.

Section 5.04 CASH DEPOSIT OR PAYMENT BONDS. It is hereby agreed that upon entry into and signature of this Agreement, Utility Company will either submit to Hattiesburg a cash deposit, or post a payment bond through an approved surety company, which shall at a minimum be an amount equal to one year's worth of estimated payments made to Hattiesburg by the Utility Company. The cash deposit or bond will be based on the average flow and at the rate as agreed to in this Agreement, unless the City provides notice in writing of another, specific deposit or bond amount. The purpose of such deposits or payment bonds is in the event of triggering Section 5.05, below. The Utility Company will continue to pay Hattiesburg for ongoing sewer treatment following ninety (90) days of Utility Company's failure to make payments and during the time in which Utility Company provides an alternative method of sewer treatment following disconnection from the City of Hattiesburg's treatment facilities, unless the City provides notice in writing of another, specific time period.

Section 5.05 LATE PAYMENTS. Utility Company agrees that the invoice is due to be paid in full, within seven (7) days of receipt. If full payment is not made within thirty (30) days,

Hattiesburg will provide Utility Company written notice providing Utility Company fifteen (15) days within which Utility Company may come into compliance, or that otherwise, Hattiesburg may choose to seek all legal remedies available under the law to recover the outstanding debt to the City. Failure to make payment beyond ninety (90) days will result in the City's exercise of discretion to pursue any and all legal remedies available under the law against the Utility Company, including calling the Payment Bond provided for in Section 5.04, above, and seeking judicial intervention to disconnect Utility Company from the City of Hattiesburg's treatment facilities, which may require Utility Company to construct its own treatment facilities within a reasonable time, during which time Utility Company will continue to pay the City of Hattiesburg for sewer treatment until disconnected, such payments to be made within seven (7) days of receipt of invoice. If continued payment is not made to Utility Company, Hattiesburg may either utilize the cash deposit or call the Payment Bond provided for in Section 5.04, above, for the purposes of satisfying the Utility Company's continuing payments for ongoing sewer treatment. It is hereby specifically agreed that such available legal remedies referenced herein may also in the discretion of the City of Hattiesburg include utilizing the cash deposit and/or calling the Utility Company's Payment Bond. Utility Company's failure to make a timely payment shall entitle the City, either by this Agreement or through judicial action, to require bond be increased to a sufficient amount to make estimated payments for the length of time needed or required for the Utility Company to provide an alternative method of sewer treatment and to be disconnected from the City of Hattiesburg's treatment facilities, unless the City provides notice in writing of another, specific time period. The City retains the option to terminate this Agreement for noncompliance and material breach under Article VII.

ARTICLE VI

Effective Date, Term of Agreement, and Miss. Public Service Commission Approval

Section 6.01. EFFECTIVE DATE. This agreement shall become effective as of the **22nd day of May, 2018**, and as of that date this Agreement shall constitute the sole and only Agreement between Hattiesburg and Utility Company as to matters contained herein.

Section 6.02. TERM OF AGREEMENT. This Agreement shall be in force and effect from the **22nd day of May, 2018**, and shall continue in effect from year to year unless either party hereto shall give not less than six (6) months' notice in writing to the other that this Agreement shall no longer be in force and effect; however, in no instance shall this Agreement terminate earlier than the end of any calendar year.

Section 6.03. CERTIFICATION. Utility Company will be certified with the State of Mississippi Public Service Commission (MPSC) as a sewer utility for **Westhaven** **Subdivision**/Development in **Lamar County** (MPSC I.D. No. _____). Subject to the approval of the MPSC, Utility Company will further have the authority to effect the application and collection of rates and other charges for sewer service to its customers located within its certificated area, consistent with the MPSC's response to an Application to Approve this Agreement and Related Tariff to be filed with the MPSC after execution of this Agreement by both parties with proper authority. Utility Company will maintain its Certificate (attached as an exhibit hereto), Tariffs, and will continue to collect all approved customer service fees. All fees due to the City of Hattiesburg will be paid by Utility Company on a monthly basis. The fees due to the City of Hattiesburg will be based on the flow meter reading, as provided in Section 2.05 as stated above.

ARTICLE VII

Miscellaneous Provisions

Section 7.01. FORCE MAJEURE. In case by reason of "Force Majeure," either party hereto shall be rendered unable wholly or in part to carry out its obligations under this agreement, then if such party shall give notice and full particulars of such "Force Majeure" in writing to the other party within a reasonable time after occurrence of the event or cause relied on, the obligation of the party giving such notice, so far as it is affected by "Force Majeure," shall be suspended during the continuance of the inability then claimed, but for no longer period, and any such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

Section 7.02. BREACH. This Agreement may be terminated by either party for a material breach of the Agreement by the other party. In the event of termination under this provision, the party terminating shall give written notice by mail to the other party and termination shall be effective on the date specified, but no earlier than ninety (90) days from the date such written notice is received by the other party. In the event this Agreement is breached because Utility Company is in exceedance of capacity, under Section 2.06 of this Agreement, Hattiesburg will issue a notice of violation for any and all violations of capacity, and the City may within its discretion terminate this Agreement for noncompliance and material breach under Article VII and/or require the Utility Company to provide a proposed, corrective action plan to be approved by Hattiesburg which will include an infiltration and inflow study (NASCO standards) and a detailed plan of corrective action the Utility Company will take, including the manner of corrective action, the deadline by which the corrective action will be completed, and the cost of the corrective action. In case of termination, all obligations that are still executory on

both sides are discharged as of the effective date of the termination. However, rights based on prior breach or prior performance, the indemnification provisions, and the records retention provisions shall survive.

Section 7.03. GOVERNING LAW AND VENUE. This Agreement shall be construed under and in accordance with the laws of the State of Mississippi, and venue for any action at law or in equity shall be a court of competent jurisdiction in Forest County or Lamar County, Mississippi.

Section 7.04. WAIVER. No waiver or failure to insist on performance of a term or condition of this agreement shall be construed as a waiver of the term or condition absent a writing clearly stating that the condition is being waived. A written waiver shall be applicable only for the period or time stated and shall not be construed as a waiver of indefinite duration.

Section 7.05. SEVERABILITY. If any provision of this Agreement is held to be invalid, unenforceable, or unlawful by a court or tribunal of competent jurisdiction, then said provision will not operate to invalidate any other, remaining portion of this Agreement, which shall continue in force and effect but for said provision and shall be construed accordingly.

Section 7.06. HEADINGS. The headings used in this Agreement have been included solely for ease of reference and shall not be considered in the interpretation or construction of this Agreement.

Section 7.07. AUTHORITY TO CONTRACT AND EXECUTE. Each individual executing and signing this Agreement warrants and represents that he/she has been authorized to execute the Agreement on behalf of the parties to this Agreement.

Section 7.08. AMENDMENTS AND MODIFICATION. This Agreement may not be modified or amended absent the execution of a written instrument, signed by duly authorized officials and/or representatives of Utility Company and the City Council of Hattiesburg. amendments and modification to the agreement shall be effective as of the date set forth in the amendment or modification and shall not be retroactive

Section 7.09. NOTICE. Notices required or provided pursuant to the provisions of this Agreement shall be in writing and served either by personal delivery, mail, or fax to the parties as follows:

For Hattiesburg: Lamar Rutland

For Utility Company: Michael Long or Michael Villarreal

Section 7.10. FURTHER ASSURANCES. The parties agree that each shall and will, upon reasonable request of the other, make, do, execute, or cause to be made, done, or executed, all such further and other lawful acts, deeds things, devices, and assurances whatsoever for the better or more perfect and absolute performance of the terms and conditions of the Agreement for the treatment of Utility Company's wastewater.

WITNESS THE SIGNATURES of the parties on duplicate originals, on this the ____ day of _____, A.D. _____

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

City Clerk

By: _____
MAYOR: Toby Barker

ATTEST:

 4-24-2018
Witness:

By: 
Managing Member:

140507 / M 59902 Y

THIS DOCUMENT HAS AN ARTIFICIAL WATERMARK PRINTED ON THE BACK. THE FRONT OF THE DOCUMENT



BancorpSouth

OFFICIAL CHECK

HAS A MICRO-FINE SERRATED LINE. IN THE ABSENCE OF THESE FEATURES WILL INDICATE A COPY

0501002731

ISSUED BY: MONEYGRAM PAYMENT SYSTEMS, INC.
P.O. BOX 9476, MINNEAPOLIS, MN 55480
DRAWEE: BOKF, VA
EUFALU A, OK 49-55/1031

DATE APRIL 18, 2018

PAY ***\$10,000 DOLS 00 CTS***

\$10,000.00

TO
THE
ORDER
OF
CITY OF HATTIESBURG

NAME OF REMITTER WESTHAVEN DEVELOPMENTS

DRAWER: BANCORPSOUTH

BY
AUTHORIZED SIGNATURE

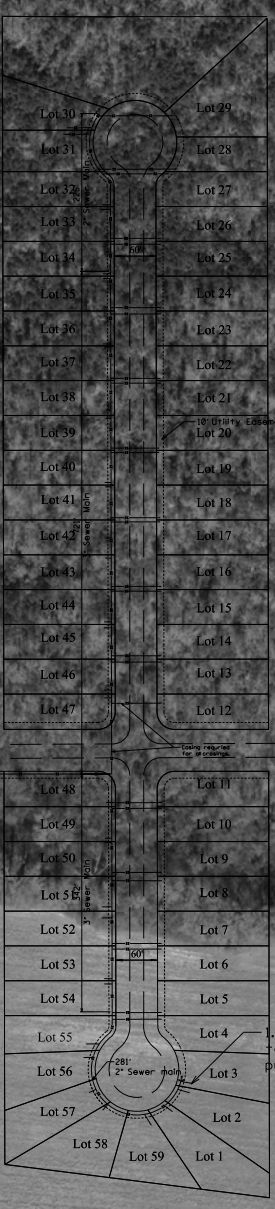
MP



Follow ROW on Oak Grove Road to
ROW on Old HWY 11. Connect to
Manhole with elevation of 486.25.

1.25' 2" Sewer Main

1.25' Connection
to 1hp Grinder
pump (typ)





255/319

FILED

2017 DEC 12 AM 8 43

WAYNE SMITH
CHANCERY CLERK

Prepared by:
Joseph M. Gianola, Jr. (MSB# 101972)
Luckett Land Title, Inc.
63 98 Place Blvd.
Hattiesburg, MS 39402
(601) 450-0065

Return to:
Luckett Land Title, Inc.
63 98 Place Blvd.
Hattiesburg, MS 39402
(601) 450-0065
File #17-02231

INDEXING INSTRUCTIONS: NW ¼ of SE ¼ and S ½ of SW ¼ of NE ¼ of Section 21, Township 4
North, Range 14 West, Lamar County, Mississippi

STATE OF MISSISSIPPI

COUNTY OF LAMAR

WARRANTY DEED

FOR AND IN CONSIDERATION of the sum of Ten and No/100 Dollars (\$10.00), cash in hand paid, and other good and valuable consideration, the receipt, adequacy and sufficiency of all of which is hereby irrevocably acknowledged and confessed, the Grantor,

PAMELA SHAE BYRD BARNES
167 Grange Road
Prentiss, Mississippi 39474
(601) 408-2259

does hereby grant, bargain, sell, convey and warrant unto the Grantee,

WESTHAVEN DEVELOPMENTS, LLC
a Mississippi limited liability company
P.O. Box 16044
Hattiesburg, MS 39404
(601) 467-2148

the following described real property lying and being situated in Lamar County, Mississippi, and being more particularly described as follows, to-wit:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE APART HEREOF

Grantor hereby reserves any and all oil, gas and other minerals in, on and under the real property described above.

This conveyance and the warranty hereof is subject to any and all prior and outstanding leases, exceptions, reservation and/or conveyances of oil, gas and/or other minerals and any geothermal energy resources lying in, on and under the above described real property.

This conveyance and the warranty hereof is subject to any environmental condition existing upon the subject property which would cause said property to be in violation of any State and/or Federal Environmental Protection Act.

This conveyance and the warranty hereof is subject to any and all other easements and rights-of-way, whether of record or of use, which affect the real property hereby conveyed.

This conveyance and the warranty hereof is subject to any and all Covenants and Restrictions of record.

IT IS AGREED and understood that the taxes for the current year will be paid in full by the Grantor(s).

WITNESS MY SIGNATURE on the date of my respective acknowledgement.

Pamela Shae Byrd Barnes
PAMELA SHAE BYRD BARNES, GRANTOR

STATE OF MISSISSIPPI

COUNTY OF LAMAR

THIS DAY personally came and appeared before me, the undersigned authority in and for the jurisdiction aforesaid, PAMELA SHAE BYRD BARNES, who acknowledged that she signed and delivered the above and foregoing WARRANTY DEED on the day and year herein shown as her free and voluntary act and deed.

GIVEN UNDER MY HAND AND OFFICIAL SEAL OF OFFICE, this the 8th day of December, 2017

[Signature]
NOTARY PUBLIC

My Commission Expires:

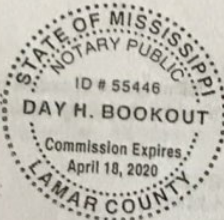


Exhibit "A"

A parcel of land located in part of the NW 1/4 of the SE 1/4, and part of the S 1/2 of the SW 1/4 of the NE 1/4, of Section 21, Township 4 North, Range 14 West, Lamar County, Mississippi, having bearings referenced to a GPS Observation, Geodetic North, and being more particularly described as follows:

Commence at a found iron pin marking the SW Corner of Westhaven Subdivision, Phase I, as filed in the Lamar County Chancery Clerks Office; thence run N00°07'24"W along the west line of said Westhaven Subdivision, Phase I, for 272.15 feet to a set iron pin and the POINT OF BEGINNING; thence continue N00°07'24"W along the west line of said Westhaven Subdivision, Phase I, for 1693.69 feet to a found iron pin marking the NW Corner of said Westhaven Subdivision, Phase I, said point is also the SE Corner of the property described as Parcel One in Deed Book 14-B, Page 181; thence run N89°22'12"W along the south line of said property described as Parcel One in Deed Book 14-B, Page 181, for 108.97 feet to a found iron pin marking the SW Corner thereof; thence run N89°50'14"W along the south line of the property described in Deed Book 14-B, Page 177, for 108.85 to a found iron pin marking the SW Corner thereof; thence run N89°34'32"W along the south line of the property described in Deed Book 8-F, Page 347, for 109.02 feet to a found iron pin marking the SW Corner thereof; thence run N89°32'08"W along the south line of the property described in Deed Book 8-G, Page 065, for 53.18 feet to a set iron pin; thence leaving the south line of said property described in Deed Book 8-G, Page 065 run S00°07'24"E for 1648.60 feet to a set iron pin; thence run S82°49'37"E for 383.10 feet back to the POINT OF BEGINNING.
Said parcel of land contains 14.579 acres more or less.



CERTIFICATE OF FILING AND RECORDING
STATE OF MISSISSIPPI
LAMAR COUNTY

Wayne Smith, Chancery Clerk

LD Book 26-J Page 319

Indexed ☒ Recorded ☒ Abstracted ☐
Sharon Herrin D.C.

ORDINANCE NO. 3167

OF THE

CITY OF HATTIESBURG, MISSISSIPPI

AN ORDINANCE REPEALING CHAPTER 21, ORDINANCE NUMBER 997 OF THE CODE OF ORDINANCES, AND ALL SUBSEQUENT AMENDMENTS THERETO, AND REPLACE WITH ORDINANCE NUMBER _____, ESTABLISHING UNIFORM RATES FOR SEWER COLLECTION AND DISPOSAL

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

SECTION 1. That Section 21, being Ordinance Number 997 of the Code of Ordinances adopted August 10, 1944, and all subsequent amendments thereto, be repealed, and replaced to read as follows, to-wit:

Chapter 21

SEWAGE DISPOSAL

Art. I. Sewage Disposal, secs. 21-1 --- 21-19

Art. II. Use of Public and Private Sewers and Drains, secs. 21-20 --- 21-29

Article III. User Charges and Industrial Waste Surcharges, secs. 21-30 --- 21-33

Article IV. Flow of Municipal Solid Waste, secs. 21-34 --- 21-39

Article V. Discharge Waste to City Facilities by Portable Haulers, secs. 21-40 --- 21-49

Article I. Sewage Disposal*

Sec. 21-1. Occupied premises required to have method for sewage disposal.

Each residence, place of business or place of congregation in the city where people reside, are employed or congregate shall be provided with a sanitary method for the disposal of human excreta. It shall be the duty of the property owner to provide said sanitary method. It shall be the duty of the builder or construction agent in the building of any construction to provide for the adequate sanitary method provided herein along with the corresponding duties placed on other parties by this article. (Ord. 1419, sec. 2, 2-6-62; Ord. 1356, sec. 1, 3-4-59; Ord. 997, sec. 1, 8-10-44)

**Cross reference--Use of public and private sewers and drains, Ch. 21, Art. II.*

Sec. 21-2. Connection with sewerage system required; charges therefore and service rate established.

A. Property along line of sewerage system. All property owners owning property as designated in sec. 21-1, and which is located on streets, avenues or alleys where a line of the sanitary sewerage system is located, shall have installed one or more sanitary water closets connected with said sewerage system; provided there is sufficient fall to provide gravity flow from said property to said sewerage system.

B. Property within three hundred feet of sewerage line. All property owners owning property as designated in sec. 21-1, and which is located on streets, avenues or alleys where a line of the sanitary sewerage system is not located, but which is within a distance of three hundred (300) feet from a street, avenue or alley where a line of the sanitary sewerage system is located, shall have installed one or more sanitary water closets connected with the said sewerage system; provided there is sufficient fall from said property to said sewerage system, and right-of-way can be secured.

C. Charge for tap or connection. A charge or fee shall be paid to the collection office of the water department of the City of Hattiesburg for each connection or tap to any municipal sanitary sewer main before such connection or tap is made as follows:

- 1. Sewer tap \$1500.00
- 2. Clean-out of existing connection \$ 300.00

D. Monthly rate for service. The following schedule of rates is hereby ascertained, found and declared to be reasonable and the same are established as the rates to be charged for sanitary sewer service per month:

- 1. Effective October 1, 2013, all residential customers shall be charged for sanitary sewer service at a monthly rate, excluding any surcharge, of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be eleven dollars and three cents (\$11.03) per month.

Effective September 1, 2014, all residential customers shall be charged for sanitary sewer service at a monthly rate, excluding any surcharge, of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be twelve dollars and thirteen cents (\$12.13) per month.

Effective September 1, 2015, all residential customers shall be charged for sanitary sewer service at a monthly rate, excluding any surcharge, of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be thirteen dollars and thirty four cents (\$13.34) per month.

Effective September 1, 2016, all residential customers shall be charged for sanitary sewer service at a monthly rate, excluding any surcharge, of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be fourteen dollars and one cent (\$14.01) per month.

- 2. Effective October 1, 2013, all nonresidential water users including motels, apartments and house trailers, shall be charged for sanitary sewer service at a monthly rate of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be eleven dollars and three cents (\$11.03) per month.

Effective September 1, 2014, all nonresidential water users including motels, apartments and house trailers, shall be charged for sanitary sewer service at a monthly rate of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be twelve dollars and thirteen cents (\$12.13) per month.

Effective September 1, 2015, all nonresidential water users including motels, apartments and house trailers, shall be charged for sanitary sewer service at a monthly rate of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be thirteen dollars and thirty four cents (\$13.34) per month.

Effective September 1, 2016, all nonresidential water users including motels, apartments and house trailers, shall be charged for sanitary sewer service at a monthly rate of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be fourteen dollars and one cent (\$14.01) per month.

- 2. Any individual, corporation, partnership, sole proprietorship or other legal entity owning water wells or other contractual customers and customers outside the corporate limits, shall be charged for sanitary sewer service at a monthly rate to be set by the Mayor and Council of the City of Hattiesburg.
- 3. Any individual, corporation, partnership, sole proprietorship or other legal entity with a meter size 2 inches or larger that can provide documented evidence that the amount of sanitary sewer flow delivered to the City is substantially less than the metered water flow upon which the billing amount is based can make a formal request to the Engineering Department to have its monthly charge for sewer service be based upon metered or measured sanitary sewer flow. The Engineering Department will then set up a time period, for no less than one month, to flow monitor the customers effluent sanitary sewer flow. The flow monitoring will be set up at the cost of the customer making the request. If sufficient data is provided to determine, in fact, the customer flows 90 percent of its water or less to the sewer effluent the entity will be charged a percentage of its water flow for sewer based on the data gathered.

The City reserves the right to verify the customer's effluent flow on a yearly basis and make adjustments accordingly.

Sec. 21-3. Privies, etc. ---When permitted; as specified by health department.

All property owners owning property as designated in sec. 21-1, but which does not come within the provision of sec. 21-2, shall have installed a properly constructed pit privy, or other private sewerage disposal system constructed according to the plans and specifications of the Mississippi State Board of Health. (Ord. 1419, sec. 5, 2-6-62; Ord. 1356, sec. 4, 3-4-59; Ord. 997, sec. 4, 8-10-44)

Sec. 21-4. Same--Construction.

The devices described in sec. 21-3 shall have the following specifications:

A. Pit Privy:

Is not allowed within the City Limits

B. Septic Tanks:

1. A watertight receptacle for the reception of liquid household waste and the retention of solids contained therein, which shall be provided with both an inlet and an outlet pipe.
2. Septic tanks shall be of a type and size approved by the state board of health, and the overflow from a septic tank shall be disposed of according to the rules and regulations of the state board of health relating thereto.

C. Other Toilet Devices:

1. Other sanitary toilet devices hereinbefore referred to shall mean chemical toilets, dry earth closets, or such other toilet devices as shall be approved by the county health department. (Ord. 997, sec. 5, 8-10-44)

Sec. 21-6. Clogging sewers with debris.

It shall be unlawful for any person to place or cause to be placed in any sewer or in any accessory or connection to a sewer any swill, garbage, sweepings, ashes, sand, clay, cotton, wool, rags, cloth, rubbish or any other solid matter or substance that may not be promptly dissolved by the sewerage, or that may form deposits or obstructions in the sewers, or in any of their accessories, fixtures or connections. (Ord. 923, sec. 11, 7-13-39)

Sec. 21-7. Rain and waste water from business premises to be discharged into storm sewers.

It shall be the duty of the owners of all businesses, houses, hotels, restaurants and other buildings now or hereafter erected in the business district of the city to turn the rain water from the roofs, and all other waste water of such buildings, into the city storm sewers, wherever possible, by connecting the roofs, and other waste water pipes, with such sewers by down pipes and other pipes of sufficient size and number to carry all rain water falling on such roofs and waste water into the storm sewers. (Ord. 1234, secs. 1---2, 8-13-53)

Sec. 21-8. Toilet devices to be maintained in sanitary condition.

A. Occupancy of premises prohibited. It shall be unlawful for any person to live in, rent or occupy any building or residence that is not provided with sanitary facilities and a sanitary method of excreta disposal as described in this article.

B. Duty of occupant. It shall be the duty of the occupants of each premises to see that the water closet, privy or other toilet device shall be kept in a sanitary condition at all times, and it shall be unlawful for anyone to abuse or misuse said property. (Ord. 1419, secs. 6--7, 2-6-62; Ord. 997, sec. 7, 8-10-44)

Sec. 21-9. Alteration of existing excreta disposal device require approval of health department.

Any property owner intending to alter or install a method of excreta disposal on any property shall apply to the county health department for a permit for such alteration or installation, and the county health department shall cause an inspection to be made of the property to determine which one of the methods of excreta disposal as hereinbefore described, shall be employed and shall issue to the property owner a permit for the alteration

or installation, stating therein the method of excreta disposal to be employed, and it shall be the duty of the owner to comply with the provisions of the permit. (Ord. 997, sec. 8, 8-10-44)

Sec. 21-10. Premises to be connected to extension of sewer lines.

Whenever new lines or extensions of the sewerage system are installed all property owners owning property as designated in sec. 21-1, and which property is so located as to become subject to the provisions of sec. 21-2, shall comply with the provisions of sec. 21-2 of this article. (Ord. 1419, sec. 8, 2-6-62; Ord. 1356, sec. 5, 3-4-59; Ord. 997, sec. 9, 8-10-44)

Sec. 21-11. Lessee prohibited from leasing premise without sanitary closets.

It shall be unlawful for any owner, landlord or agent to rent to any tenant any dwelling house or any other building without closets in good condition where closets are used. (Ord. 569, sec. 5, 2-11-18)

Sec. 21-12. Approved sanitary devices required for disposal.

It shall be unlawful for any person within the city to throw out, deposit or any other way dispose of human excreta other than into a sanitary water closet, , a properly constructed septic tank, or other sanitary toilet device approved by the State Board of Health. (Ord. 1419, sec. 1, 2-6-62)

Sec. 21-13. Penalty for violation of certain sections.

Any person, firm or corporation, their agents or assigns violating any of the terms of this article shall, upon conviction, be fined in a sum not to exceed five hundred dollars (\$500.00), or imprisoned for not more than ninety (90) days or both fine and imprisonment, and each day's continuance of any violation shall be a separate offense and be punishable as such. (Ord. 1419, sec. 9, 2-6-62)

Secs. 21-14 --- 21-19. Reserved.

Article II. Use of Public and Private Sewer and Drains*

Sec. 21-20. Purpose.

This article regulates the use of public and private sewers and drains, private sewage disposal, the installation and connection of building sewers, and the discharge of waters and wastes into the public sewer system: and providing penalties for violations thereof; in the City of Hattiesburg, Mississippi (Ord. 1837, entro, 1-8-75)

Sec. 21-21. Definitions.

Unless the context specifically indicates otherwise, the meaning of terms used in this chapter shall be as follows:

Approving authority shall mean the Director of Water and Sewer of the City of Hattiesburg or his duly authorized deputy, agent or representative.

BOD (denoting biochemical oxygen demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at twenty (20) degrees, expressed in milligrams per liter.

Building sewer shall mean the extension from the building drain to the public sewer or other place of disposal.

City shall mean the City of Hattiesburg, Mississippi.

COD (chemical oxygen demand) shall mean the quantity of oxygen utilized in the chemical oxidation of oxidizable material in a sample, under standard laboratory procedure, expressed in milligrams per liter (mg/l).

Combined sewer shall mean a sewer receiving both surface runoff and sewage.

Garbage shall mean solid wastes from the domestic and commercial preparation, cooking, and dispensing of food, and from the handling, storage, and sale of produce.

Hearing board shall mean the governing authorities.

Industrial wastes shall mean the liquid wastes from industrial manufacturing processes, trade, or business as distinct from sanitary sewage.

Natural outlet shall mean any outlet into a watercourse, pond, ditch, lake, or other body or surface of ground water.

Person shall mean any individual, firm, company, association, society, corporation, or group.

pH shall mean the common logarithm of the reciprocal of the hydrogen ion concentration in grams per liter of solution.

Properly Shredded Garbage shall mean the wastes from the preparation, cooking, and dispensing of food that have been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half inch in dimension.

Public sewer shall mean a sewer in which all owners of abutting properties have equal rights and is controlled by public authority.

Regulatory agency shall mean the Mississippi Air and Water Pollution Control Commission.

Sanitary sewer shall mean the sewer which carries sewage and to which storm, surface, and ground waters are not intentionally admitted.

Service charge shall mean the basic assessment levied on all users of the public sewer system whose wastes do not exceed in strength the concentration values established as

**Cross reference--Sewage disposal, sec. 21-1 et seq.*

representative of normal sewage.

Sewage shall mean a combination of the water-carried wastes from residences, business buildings, institutions, and industrial establishments, together with such ground, surface and storm waters as may be present.

Sewage treatment facility shall mean any arrangement of devices and structures used for treating sewage.

Sewage works shall mean all facilities for collecting, pumping, treating, and disposing of sewage.

Sewer shall mean a pipe or conduit for carrying sewage.

Shall is mandatory; **may** is permissive.

Slug shall mean any discharge of water, sewage, or industrial waste which, in concentration of any given constituent or in quantity of flow, exceeds for any period of duration longer than fifteen (15) minutes more than five (5) times the average twenty-four-hour concentration or flows during normal operation.

Standard methods shall mean the examination and analytical procedures set forth in the most recent addition of "Standard Methods for the Examination of Water, Sewage, and Industrial Wastes," published jointly by the American Public Health Association, the American Waterworks Association and the Water Pollution Control Federation.

Storm drain (sometimes termed storm sewer) shall mean a sewer which carries storm and surface waters and drainage, but excludes sewage and industrial wastes, other than unpolluted cooling water.

Surcharge shall mean the assessment in addition to the service charge which is levied on those persons whose wastes are greater in strength than the concentration values established as a representative of normal sewage.

Suspended solids shall mean solids that either float on the surface of, or in suspension in water, sewage, or other liquids and which are removable by laboratory filtering.

Watercourse shall mean a channel in which a flow of water occurs, either continuously or intermittently. (Ord. 2546, sec. 1, 2-20-96; Ord. 1837, sec. 1, 1-8-75)

Sec. 21-22. Use of public sewers required.

A. It shall be unlawful for any person to place, deposit, or permit to be deposited in any unsanitary manner on public or private property within the City of Hattiesburg, or in any area under the jurisdiction of said city, any human or animal excrement, garbage or other objectionable waste.

B. It shall be unlawful to discharge to any natural outlet within the City of Hattiesburg, or in any area under the jurisdiction of said city, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this ordinance.

C. Except as hereinafter provided, it shall be unlawful to construct or maintain any privy, privy vault septic tank, cesspool, or other facility intended or used for the disposal of sewage.

D. The owner of all houses, buildings, or properties used for human occupancy, employment, recreation, or other purposes, situated within the City of Hattiesburg and abutting on any street, alley, or right-of-way in which there is now located or may in the future be located a public sanitary or combined sewer of the City of Hattiesburg, is hereby required at his expense to install suitable toilet facilities therein, and to connect such facilities directly with the proper public sewer in accordance with the provisions of this ordinance, within ninety (90) days after date of official notice to do so, provided that said public sewer is within one hundred (100) feet of the property line. (Ord. 1837, sec. 2, 1-8-75)

Sec. 21-23. Private sewage disposal.

A. Where a public sanitary or combined sewer is not available under the provisions of sec. 21-22 (D) the building sewer shall be connected to a private sewage disposal system complying with the provisions of this section.

B. Before commencement of construction of a private sewage disposal system the owner shall first obtain a written permit signed by the approving authority. The application for such permit shall be made on a form furnished by the City of Hattiesburg, which the applicant shall supplement by any plans, specifications, and other information as is deemed necessary by the approving authority. A permit and inspection fee of six dollars (\$6.00) shall be paid to the City of Hattiesburg at the time the application is filed.

C. A permit for a private sewage disposal system shall not become effective until the installation is completed to the satisfaction of the approving authority. He shall be allowed to inspect the work at any stage of construction and, in any event, the applicant for the permit shall notify the approving authority when the work is ready for final inspection, and before any underground portions are covered. The inspection shall be made within twenty-four (24) hours of the receipt of notice by the approving authority.

D. The type, capacities, location, and layout of a private sewage disposal system shall comply with all recommendations of the Mississippi Air and Water Pollution Control Commission or the Mississippi State Board of Health, whichever applies. No septic tank or cesspool shall be permitted to discharge to any natural outlet.

E. At such time as a public sewer becomes available to a property served by a private sewage disposal system, as provided in sec. 21-23 (D) a direct connection shall be made to the public sewer in compliance with this ordinance, and any septic tanks, cesspools, and similar private sewage disposal facilities shall be abandoned and filled with suitable material.

F. The owner shall operate and maintain the private sewage disposal facilities in a

Cross reference--Privies, septic tanks, etc. secs. 21-3 and 21-4.

sanitary manner at all times, at no expense to the City of Hattiesburg.

G. No statement contained in this section shall be construed to interfere with any additional requirements that may be imposed by the health officer.

H. When a public sewer becomes available, the building sewer shall be connected to said sewer within ninety (90) days and the private sewage disposal system shall be cleaned of sludge and filled with clean bank-run gravel or dirt. (Ord. 1837, sec. 3, 1-8-75)

Sec. 21-24. Use of the public sewers.

A. No person shall discharge or cause to be discharged any stormwater, surface water,

groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process waters to any sanitary sewer.

B. Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as combined sewers or storm sewers, or to a natural outlet approved by the approving authority. Industrial cooling water or unpolluted waters may be discharged, on approval of the approving authority, to a storm sewer, combined sewer, or natural outlet.

C. No person shall discharge or cause to be discharged the following described substances, materials, waters, or wastes if it appears likely in the opinion of the approving authority that such wastes can harm either the sewers, sewage treatment process, or equipment, have an adverse effect on the receiving stream, or can otherwise endanger life, public property, or constitute a nuisance. In forming his opinion as to the acceptability of these wastes, the approving authority will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment system, degree of treat ability of wastes in the sewage treatment facility, and other pertinent factors. The substances prohibited are:

1. Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas;
2. Any waters or wastes containing toxic and/or poisonous solids, liquids, or gases that inhibit or interfere with the biological treatment process;
3. Any liquid or vapor having a temperature higher than one-hundred and fifty (150) degrees Fahrenheit;
4. Any liquid wastes containing solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works such as, but not limited to ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair and fleshing, entrails, paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders;
5. Any waters or wastes having a pH lower than 5.5 or higher than 9.5, or having any other corrosive property capable of causing damage or hazard to structures, equipment, and personnel of the sewage works;
6. Any waters or wastes containing fats, wax, grease, or oils, whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between thirty-two (32) and ninety (90) degrees Fahrenheit;
7. Any waters or wastes containing free or emulsified oil and grease when, in the opinion of the approving authority, it appears probable that such wastes:
 - (a) Can deposit oil or grease in the sewer lines in such manner as to clog the sewers or impede the flow.
 - (b) Are not amenable to biological oxidation and will, therefore, pass to the receiving stream without being affected by normal sewage treatment processes,
 - (c) Can overload the sewage treatment facility's grease handling equipment.
 - (d) Can have deleterious effects on the sewage treatment process due to excessive quantities or concentrations;
8. Any waters or wastes exerting biochemical oxygen demand (BOD) greater than two hundred forty (240) mg/l;
9. Any waters or wastes exerting a chemical oxygen demand (COD) greater than four hundred (400) mg/l;
10. Any waters or wastes having a suspended solids concentration in excess of three hundred (300) mg/l;
11. Any radioactive wastes or isotopes of long half-life (over one hundred (100) days) without special permit. The radioactive isotopes Iodine-131 and

- Phosphorus-32 used at hospitals are not prohibited if properly diluted at the source;
12. Any waters or wastes exerting an excessive chlorine requirement;
 13. Any garbage that has not been properly shredded. The installation and operation of any garbage grinder shall be subject to the review and approval of the approving authority;
 14. Any waters or wastes exerting or causing excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions);
 15. Any waters or wastes containing phenol or other taste or odor-producing substances in such concentrations as to affect the taste and odor of the receiving stream after passage through the sewage treatment process;
 16. Any water or wastes containing metals or salts of the metals, in solution or suspension, in concentrations exceeding the following, the analytical results being expressed in terms of the indicated elements:

Element	Concentration (mg/l)
Antimony	0.1
Arsenic	0.05
Barium	3.0
Beryllium	1.0
Bismuth	1.0
Boron	0.5
Cadmium	0.2
Calcium	8,000.0
Chromium (Hexavalent)	1.0
Chromium (Trivalent)	1.0
Total chromium	2.0
Cobalt	0.2
Iron	5.0
Lead	0.1
Magnesium	2,000.0
Manganese	1.0
Mercury	0.1
Molybdenum	0.2
Nickel	0.5
Potassium	12,000.0
Rhenium	0.5
Selenium	0.1
Silver	1.0
Sodium	8,000.0
Strontium	0.5
Tellurium	0.5
Tin	1.0
Zinc	1.0

17. Any water or wastes containing cyanides or cyano-genic compounds capable of liberating hydrocyanic acid gas or acidification in excess of one mg/l as CN in the discharged waters or wastes;
18. Any water or wastes which attack or corrode sewers and sewage disposal equipment;
19. Any waters or wastes which are not amenable to treatment or reduction by the waste water treatment process employed, or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving stream.

D. If any waters or wastes are discharged, or are proposed to be discharged to the public sewers, which waters contain the substances or possess the characteristics enumerated in sec. 21-24 (C), and which in the judgment of the approving authority may have a deleterious effect upon the sewage works, processes, equipment, or receiving waters or which otherwise create a hazard to life or constitute a public nuisance, the approving authority may:

1. Reject the wastes,
2. Require pretreatment to an acceptable condition for discharge to the public sewers,
3. Require control over the quantities and rates of discharge, and/or
4. Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes or sewer charges under the provisions of sec. 21-24 (I).

If the approving authority permits the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the approving authority, and subject to the requirements of all applicable codes, ordinances, and laws.

E. Grease, oil, sand interceptors, flow equalization and pretreatment facilities shall be maintained continuously and satisfactorily at the owner's expense and shall be subject to periodic inspection by the approving authority. The owner shall maintain suitable monthly operating records and shall submit to the approving authority each monthly summary report of the character of the influent and effluent as the latter may prescribe.

F. When required by the approving authority, the owner of any property serviced by a city sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the city sewer to facilitate observation, sampling, and measurement of the wastes. Such manhole, when required, shall be accessibly and safely located, and shall be constructed in accordance with plans approved by the approving authority. The manhole shall be installed by the owner at his expense, and shall be maintained by him so as to be safe and accessible at all times. Plans for such manholes for the installation of control and related equipment must be approved by the approving authority before construction is begun.

G. All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in this ordinance shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater," published by the American Public Health Association, and shall be determined at the control manhole provided, or upon suitable samples taken at said control manhole. In the event that no special manhole has been required, samples shall be taken at a final discharge point inside the industry or the nearest downstream manhole in the public sewer. Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards to life, limb, and property. The particular analysis involved will determine whether a twenty-four-hour composite of all outfalls of a premises is appropriate or whether a grab sample or samples should be taken. Normally, but not always, BOD and suspended solids analyses are obtained from twenty-four-hour composite of all outfalls, whereas pH's are determined from periodic grab samples.

H. Until an adequate analysis of a representative sample of the customer's waste has been obtained, the approving authority may, for the purposes of this ordinance, make a determination of the character and concentration of the waste by using data based on analysis of similar processes or data for this type of business that is available from the water pollution control commission or the United States Department of the Interior, or from industry-recognized authoritative sources.

I. No statement contained in this section shall be construed as preventing any special agreement or arrangement between the city and any user or group of users. (Ord. 1837, sec. 4, 1-8-75)

Sec. 21-25. Protection from damage.

No unauthorized person shall maliciously willfully, or negligently break, damage, destroy, uncover, deface, or tamper with any structure, appurtenance, or equipment which is a part of the sewage works. Any person violating this provision shall be subject to immediate arrest under charge of disorderly conduct. (Ord. 1837, sec. 5, 1-8-75)

Sec. 21-26. Powers and authority of inspectors.

A. The approving authority and other duly authorized employees of the City of Hattiesburg bearing proper credentials and identifications shall be permitted to enter all properties for the purposes of inspection, observation, measurement, sampling, and testing in accordance with the provisions of this ordinance. The approving authority or his representative shall have no authority to inquire into any processes including metallurgical, chemical, oil,

refining, ceramic, paper, or other industries beyond that point having a direct bearing on the kind and source of discharge to the sewers or waterways or facilities for waste treatment.

B. While performing the necessary work on private properties referred to in sec. 21-26 (A), above, the approving authority or duly authorized employees of the city shall observe all safety rules applicable to the premises established by the company and the company shall be held harmless for injury or death to the City of Hattiesburg's employees, and the city shall indemnify the company against loss or damage to its property by city employees and against liability claims and demands for personal injury or property damage asserted against the company and growing out of the gauging and sampling operation, except as such may be caused by negligence or failure of the company to maintain safe conditions as required in sec. 21-24 (F).

C. The approving authority and other duly authorized employees of the city bearing proper credentials and identification shall be permitted to enter all private properties through which the City of Hattiesburg holds a duly negotiated easement for the purposes of, but not limited to, inspection, observation, measurement, sampling, repair, and maintenance of any portion of the sewage works lying within said easement. All entry and subsequent work, if any, on said easement, shall be done in full accordance with the terms of the duly negotiated easement pertaining to the private property involved. (Ord. 1837, sec. 6, 1-8-75)

Sec. 21-27. Penalties.

A. Any person found to be violating any provision of this article shall be served by the City of Hattiesburg with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.

B. Any person who shall continue any violation beyond the time limit provided for in sec. 21-27 (A), shall be guilty of misdemeanor, and on conviction thereof shall be fined in the amount not exceeding three hundred dollars (\$300.00) for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

C. Any person violating any of the provisions of this article shall become liable to the City of Hattiesburg for any expense, loss, or damage occasioned the city by reason of such violation. (Ord. 1837, sec. 7, 1-8-75)

Sec. 21-28. Sewer ordinance amendment.

A. This article (the sewer ordinance) shall be amended by the City of Hattiesburg as necessary to accord with local conditions and technical progress.

B. This article (the sewer ordinance) shall be reviewed at least every five (5) years or at any time that the approving authority feels changes of any part of this article are needed. (Ord. 1837, sec. 8, 1-8-75)

Sec. 21-29. Hearing board.

The hearing board shall consist of the governing authorities of the City of Hattiesburg, Mississippi, and shall arbitrate differences between the approving authority and sewer users on matters concerning interpretation and execution of the provisions of this article by the approving authority. (Ord. No. 1837, sec. 9, 1-8-75)

Article III. User Charges and Industrial Waste Surcharges*

Sec. 21-30. User Charge

A. User charge shall be the charge levied on all users, including, but not limited to, persons, firms, corporations of governmental entities that discharge, cause or permit the discharge of sewage into the public sewage system.

B. The user charge shall reflect the costs of operation and maintenance (including replacement) of the public sewage works, including but not limited to the following costs:

- 1) The cost of operation of the system, including depreciation;
- 2) Maintenance of the system facilities as it presently exist;

- 3) The cost of upgrading the system's facilities as may be required or desirable;
- 4) All planning and engineering costs associated with the system;
- 5) Retirement of all indebtedness now existing or as may be incurred in the future;
- 6) The cost of provision of such reserve capacity as may be determined to be necessary or desirable for the proper operation of the system;
- 7) The cost of establishing and/or maintenance of such reserves as may be necessary or desirable for the continued operation of the system;
- 8) The cost of collection of fees and charges necessary or desirable for the operation of the system;
- 9) All overhead associated with the operation of the system;
- 10) All costs of any action required by the State of Mississippi or United States Government for the continued operation of the system;
- 11) All depreciation related to operation and maintenance of the system;
- 12) Any other direct or indirect cost may become necessary or desirable for the continued operation and maintenance of the system

C. Each user shall pay its proportionate share of operation and maintenance (including replacement) costs based on volume of flow.

D. The Chief Financial Officer, of Water and Sewer Director or the Director of Engineering shall review not less often than every two years the sewage contribution of users, the total costs of operation and maintenance (including replacement) of the sewage system, and the user charge system. Recommendations revising the user charge, if necessary shall be made to accomplish the following:

- (1) Maintain the proportionate distribution of operation and maintenance costs among users as provided herein.
- (2) Generate sufficient revenue to pay retirement of existing debt included herein, repayment of any State Revolving Fund Loans, and the total operation and maintenance costs necessary for the proper operation and maintenance (including replacement) of the sewage system,

E. Cost of transportation and treatment of all flow to the sewage system not directly attributable to users (i.e., infiltration/inflow) shall be distributed to all users of the sewage system based upon the volume of flow of the users.

F. Each user shall be notified, at least annually, in conjunction with a regular bill, of the rate and that portion of the user charge which is attributable to operation and maintenance of the sewage system. This information is to be placed on water and sewer bill annually. (Ord.2546, sec. 2, 2-20-96)

Sec. 21-31. SEWER RATE SCHEDULE

The following sewer rate schedule shall apply to each user of the sewage system.

Effective October 1, 2013, this schedule includes the user charge as established herein and the charge for debt service and recovery of other costs, each based on volume of flow.

<u>Debt Service</u>	<u>Total O & M</u>	<u>Total</u>
Initial Increment \$1.10/1000 gal	\$2.22/1000 gal	\$3.32/1000 gal
Second Increment \$.91/1000 gal	\$1.84/1000 gal	\$2.75/1000 gal

Note: Contractual sewer revenues (not based directly upon water volume) are attributed to debt service and O&M at 33% and 67%, respectively, based upon actual revenues collected.

Effective September 1, 2014, this schedule includes the user charge as established herein and the charge for debt service and recovery of other costs, each based on volume of

flow.

<u>Debt Service</u>	<u>Total O & M</u>	<u>Total</u>
Initial Increment \$1.20/1000 gal	\$2.45/1000 gal	\$3.65/1000 gal
Second Increment \$1.00/1000 gal	\$2.03/1000 gal	\$3.03/1000 gal

Note: Contractual sewer revenues (not based directly upon water volume) are attributed to debt service and O&M at 33% and 67%, respectively, based upon actual revenues collected.

Effective September 1, 2015, this schedule includes the user charge as established herein and the charge for debt service and recovery of other costs, each based on volume of flow.

<u>Debt Service</u>	<u>Total O & M</u>	<u>Total</u>
Initial Increment \$1.33/1000 gal	\$2.69/1000 gal	\$4.02/1000 gal
Second Increment \$1.00/1000 gal	\$2.23/1000 gal	\$3.33/1000 gal

Note: Contractual sewer revenues (not based directly upon water volume) are attributed to debt service and O&M at 33% and 67%, respectively, based upon actual revenues collected.

Any individual, corporation, partnership, sole proprietorship or other legal entity owning water wells or other contractual customers shall be charged for sanitary sewer service at a monthly rate to be set by the Mayor and Council of the City of Hattiesburg. Customers outside the corporate limits shall have a separate contract and shall be charged two times the monthly rate charged for sanitary sewer customers inside the corporate limits except for existing agreements prior to the date of this ordinance (Ord. 3077,sec. 1 10-4-11)

Effective September 1, 2016, this schedule includes the user charge as established herein and the charge for debt service and recovery of other costs, each based on volume of flow.

<u>Debt Service</u>	<u>Total O & M</u>	<u>Total</u>
Initial Increment \$1.39/1000 gal	\$2.83/1000 gal	\$4.22/1000 gal
Second Increment \$1.15/1000 gal	\$2.35/1000 gal	\$3.50/1000 gal

Note: Contractual sewer revenues (not based directly upon water volume) are attributed to debt service and O&M at 33% and 67%, respectively, based upon actual revenues collected. (Ord. 3109, sec.1 8-6-13; Ord. 3077, sec.1, 10-4-11; Ord. 3012, sec. 1, 9-02-08; Ord. 2892, sec.1, 12-6-05; Ord. 2683, sec. 1, 3-16-99)

Sec. 21-32. INDUSTRIAL WASTE SURCHARGE

A. In the event that a user discharges industrial waste to the sewage works having an average Biochemical Oxygen Demand (BOD) content in excess of 240 mg/l, and/or an average Suspended Solids (SS) content in excess of 300 mg/l, and/or an average Total Kjeldahl Nitrogen (TKN) content in excess of 30 mg/l, and/or an average grease content in excess of 100 mg/l, said industrial user shall pay a surcharge based upon the excess strength of their discharges. BOD, SS, and TKN may be increased by written approval of Director of Water and Sewer for limited periods of time if not in conflict with any pretreatment permits or other state or federal requirements.

B. Industrial user shall be defined as any non-governmental/ nonresidential user of the public sewage works which discharges more than the equivalent of 25,000 gallons per day (GPD) of sewage and which is identified in the Standard Industrial Classification Manual, 1972, Office of Management and Budget, as amended and supplemented under one of the following divisions:

- Division A - Agriculture, Forestry, and Fishing
- Division B - Mining
- Division D - Manufacturing

Division E - Transportation, Communication, Electric, Gas, and Sanitary Service
Division I - Services

C. Any non-governmental user of the sewage works shall also be considered an industrial user if such user discharges to the Public Sewage system sewage which contains toxic pollutants, which, either singly or by interaction with other wastes, contaminates the sludge of any municipal systems; causes injuries; interfaces with any sewage treatment process; constitutes a hazard to humans or animals; creates a public nuisance; or creates any hazard in or adversely affects the waters receiving any discharge from the sewage works.

D. The costs of treatment of each pound of BOD, SS, TKN and grease removed by the sewage system shall be reviewed at the end of each fiscal year and appropriate surcharge rates applied to the sewage billing. These rates shall be in effect until the next annual rate review. These charges will be calculated by the Water and Sewer Director or the Director of Engineering, and said charges forwarded to the Water and Sewer Billing Office for appropriate billing.(Ord. 2817, sec. 1, 5-30-2003; Ord., 2546, sec.4, 2-20-96)

Sec. 21-33. METHOD OF BILLING SURCHARGE

1. The industrial waste surcharge shall be based on the following formula, with the total applied to the monthly bill of affected users:

$$\frac{\{A(E-240) + B(F-300) + C(G-30) + D(H-150)\} \times 8.34}{1000} \times I \times J = \text{Surcharge payment (\$Mo)}$$

Where:

1. Surcharge Rate for BOD, in \$/Pound.
2. Surcharge Rate for SS, in \$/Pound.
3. Surcharge Rate for TKN, in \$/Pound.
4. Surcharge Rate for Grease, in \$/Pound.
5. Industrial User's BOD Concentration, in mg/l.
6. Industrial User's SS Concentration, in mg/l.
7. Industrial User's TKN Concentration, in mg/l.
8. Industrial User's Grease Concentration, in mg/l.
9. Industrial User's Flow to Sewage Works, in 1000 gallons/day.
10. Number of Days in Month

2. No reduction in sewage service charges, fees, or taxes shall be permitted because of the fact that certain industrial wastes discharged to the sewage works contain less than 240 mg/l of BOD, 300 mg/l of SS, 30 mg/l of TKN or less than 150 mg/l of grease.(Ord.2546, sec.5,2-20-96)

Article IV. Flow of Municipal Solid Waste

Sec. 21-34. Definitions – Solid Waste.

Municipal Solid Waste shall mean any non- hazardous solid waste resulting from the operation of residential, commercial, governmental, industrial or institutional establishments, except oil field exploration and production waste and sewage sludge.

Person shall mean a person as defined in sec17-17-3 of the Mississippi Code of 1972. (Ord. 2802, sec.2, 11-7-02; Ord. 2794, sec. 2, 7-16-02)

Sec. 21-35. Solid Waste.

All municipal solid waste generated within the geographic boundaries of the City of Hattiesburg, Mississippi, that is placed in the waste stream shall be transported to, stored and managed at the Pine Belt Regional Solid Waste Management Authority's landfill in Perry County, Mississippi, or at a transfer station owned by the Pine Belt Regional Solid Waste Management Authority. (Ord. 2802, sec. 2, 11-7-02; Ord. 2794, sec. 2, 7-16-02)

Sec. 21-36. Penalties – Solid Waste.

It shall be unlawful for any person to violate any provision of this ordinance. Such violation shall be a misdemeanor and shall be punishable by a fine or not more than one thousand dollars (\$1,000.00), or imprisonment for a term not exceeding ninety (90) days or both such fine and imprisonment at the direction of the municipal judge. If a violation is continuing, each day's violation be deemed a separate offense. (Ord. 2802, sec. 2, 11-7-02; Ord. 2794, sec. 7-16-02)

Sec. 21-37 –39 Reserved.

Article V. Discharge Waste to City Facilities by Portable Haulers

Sec. 21-40. Discharge Waste to City Facilities by Portable Haulers

A. Discharge Limits and Conditions

Portable waste haulers shall not discharge waste to the City facilities without written permission from the Director of Water and Sewer. No discharge to any City facility or any facility that discharges to the City is permitted except at the City's designated area. All wastewater pumpers shall have a valid City of Hattiesburg Domestic Wastewater Discharge Permit renewed annually. All discharges are subject to random testing to determine the chemical and/or bacteriological content of the discharge. Only domestic wastewater discharge is allowed. The discharge of fats, oils, or grease (F.O.G.), industrial wastewater, unusually high strength wastewater, hazardous waste or commercial wastewater into any City facility, collection system or any other system that is treated by the City is prohibited. (Ord. 3094, 10/2/12)

B. Insurance

All portable waste haulers shall provide the City's Water and Sewer Department with current valid certification, licensing, or permit as issued by the Mississippi State Board of Health, Mississippi Department Environmental Quality, and/or other federal, state, or county agency authorizing the pumping or hauling of domestic wastewater. Each hauler shall be insured for at least \$1,000,000 of combined single limit vehicle liability insurance. The insurance coverage shall cover all work performed by the wastewater hauler while transporting and discharging wastewater and shall include, but not be limited, to liability arising out of disposal of any hazardous waste, spilled material on public property, and fines, penalties, assessments, and/or damages, or any other costs incurred or imposed by the City as a result of the hauler's activities. (Ord. 3094, 10/2/12)

C. Discharge Area

The designated portable haulers' discharge area shall be secured at all times. No discharge is allowed without designated City personnel present during discharge. A minimum of 30 minutes notice to the Water and Sewer Department Office is required prior to arrival at the discharge area. Portable waste discharge is allowed only from 9:00 a.m. to 2:00 p.m., Monday through Friday. Portable waste discharge is prohibited on Official Holidays of the City of Hattiesburg. (Ord 3094, 10/2/12)

D. Certification of Contents

All haulers shall provide as a minimum for each load prior to discharging the following:

- Name of Company performing service;
- Date and time service performed;
- Unique vehicle/tank identifying information performing service;
- Name of driver delivering waste;
- Address of person or site for services performed;(Ord. 3094, 10/2/12)
- Type facility pumped (Septic Tank, Pump Chamber, ATS, Lift Station, Holding Tank, Portable Toilet, Grease Trap, Grease Interceptor, Sand Separator, Oil Separator, etc.) at each site;
- Volume in gallons pumped at each site;

- Certification that each load is fully compliant with the City's Sewage Disposal Ordinance and contains no prohibited or hazardous materials as defined in 40 CFR 261 or other;
- Signature of driver

E. Right of Refusal

The City shall have the right to refuse to accept the discharge of any hauled waste if in the opinion of the observing City personnel the waste does not meet the conditions under which the permit was granted. Discharge may be refused if in opinion of the observing City personnel that the waste could cause operational or maintenance problems to City's facility, are detrimental to the health of City employees or cause violations to the City's NPDES Permit or other City, State or Federal laws and regulations.

F. Payment for Discharging

Wastewater haulers shall pay an annual licensing fee of \$100, and in addition, thereto, such wastewater hauler shall pay a dumping fee for each load discharged. The fee for wastewater dumping shall be \$30 for each load less than 1000 gallons, \$40 for each load of 1000 gallons and \$10 per additional 1,000 gallons. All haulers shall provide certification for each tank's volume capacity. Fees shall be based on the tank's available capacity regardless of how full the tank is at time of discharge. Each hauler shall provide the City with valid road privilege information for each truck. Each hauler shall provide the City with unique identification numbers permanently applied for each tank.

G. Penalties/Fines/Damages

Any unauthorized discharge at the City's treatment facilities, the City's collection system or any other system that is treated by the City shall be result in the hauler prohibited from all future discharging into the City's system. The violation shall also be a misdemeanor punishable by a \$1000 fine and/or up to 60 days in jail per violation. The violator shall also be liable for all costs associated with the unauthorized discharge. Any discharge of waste in excess of the limits as described in other sections of the City's Chapter 21 Sewage Disposal Ordinance shall be a misdemeanor punishable by a \$1000 fine per violation. The violator shall also be liable for all costs associated with the unauthorized discharge.

H. Liability

The wastewater hauler shall assume all liability for any injuries or damages caused and/or incurred while on the City's property and hold the City harmless for such.(Ord. 3094)

Sec. 21-41. Grease Control

Purpose

The purpose of this ordinance is to control discharges of fats, oils or grease (F.O.G.), waste food and sand into the public sewerage collection or treatment system. FOG, waste food and sand interfere with the operation of the sewerage system and cause blockages in the system lines, NPDES violations and penalties and environmental damages. The discharge of fats, oils or grease (F.O.G.) into any City facility is prohibited. This ordinance establishes regulations for the sizing, installation, maintenance and operation of FOG, waste food and sand interceptors.

Definitions

- Black Water** - Waste water from sanitary fixtures such as toilets and urinals.
- Gray Water** - All wastewater other than "Black Water" as defined in this section of the Ordinance.
- Grease** - A waste material composed primarily from fats and oil of animal and vegetable origins. The terms fats, oil and grease as used in the ordinance shall be deemed as Grease by definition. Grease does not include petroleum-based products.
- Bulk Service Kitchen** - A facility that prepares bulk quantities of food, such as hospitals, schools or caterers.

- E. **Common Grease Interceptor** - A device that receives grease waste from more than one facility having different operators or types of operators.
- F. **Food Courts** - Areas in which multiple food preparation establishments having different owners may be sharing seating space and/or plumbing facilities.
- G. **Food Service Facility (FSF)** - Any facility whose operations include cutting, cooking, baking, preparing or serving food or which disposes of food related waste.
- H. **Garbage Grinder** - A device that chops, shreds or grinds up solid or semisolid waste materials into smaller portions for discharge into the sanitary sewer collection system.
- I. **Grease Interceptor** - A large tank or device designed and constructed to separate, trap and hold grease substances from the sewage discharge from a facility and to prevent them from entering the sanitary sewer collection system. Grease interceptors shall be located outside of food service facilities.
- J. **Grease Trap** - A small Grease Interceptor located inside a facility and typically mounted under sink. A container designed and constructed to separate, trap and hold fats, oil and grease that is placed under or near sinks or other facilities to prevent the discharge of these waste substances into the sanitary sewer collection system.
- K. **Hauler** - An individual or company who transfers waste from the site of a customer/waste producer/waste generator to an approved disposal or treatment facility.
- L. **Single Service Restaurant** - A restaurant or food service facility that serves meals only on throwaway plates, dishes and utensils.
- M. **Standard Restaurant** - A restaurant or food service facility that serves meals on plates, dishes and utensils that are washed and reused.
- N. **Multi-family Dwelling** - A classification of housing where multiple separate housing units for inhabitants are contained within one building or several buildings within one complex (apartments, duplexes, townhouses, condominiums, dorms, etc.).(Ord. 3094, 10/2/12)

Sec. 21-42. General Criteria

- A. **Installation Requirements for New Facilities.** All proposed or newly remodeled food service facilities or multi-family dwellings shall be required to install an approved, properly operated and maintained grease interceptor. No indoor grease traps will be acceptable.
- B. **Phased Implementation for Existing Facilities.** All existing food service facilities or multi-family dwellings shall conduct their operations in such a manner that grease originating at the facility is captured on the user's premises and then disposed of properly.
 - 1. The City will inspect each facility periodically or as necessary to assure that each facility is complying with the City's Sewage Disposal Ordinance.
 - 2. The City will identify and target "grease problem areas" in the wastewater collection system through maintenance records and emergency call outs for grease related sewer problems. All food service facilities and multi-family dwellings upstream of the identified areas will be subject to inspection.
 - 3. Following inspections, notifications will be sent to the inspected facilities contributing to the grease problem. The facility shall then submit to the City a plan to the City outlining measures to be implemented by the facility to become compliant. A follow-up inspection will be conducted to verify compliance with the Ordinance.
- C. **Prohibited Discharges.** Black water from food service facilities shall not be discharged into the grease interceptor unless specifically approved, in writing by the City. Multi-family dwelling black water discharge into grease interceptors is acceptable.
- D. **Floor Drains.** Only floor drains which discharge or have the potential to discharge grease shall be connected to the grease interceptor.

- E. **Garbage Grinders and Dishwashers.** It is recommended that solid food waste be disposed of through normal solid waste/garbage disposal procedures. The use of garbage grinders that discharge into the sanitary sewer is discouraged and shall be connected to the interceptors used.
- F. **Location.** A grease interceptor shall be installed and connected so that it is easily accessible for inspection, cleaning and removal of the intercepted grease at any time. Grease interceptors shall be installed outside of the building it serves. Location of grease interceptors shall be approved by the City. The preferred location is on the outside of an outside wall and upstream from the black water drain line.(Ord.3094)

Sec. 21-43. Design Criteria

- A. **Construction of Grease Interceptor.** Grease interceptors shall be constructed in accordance with City standards. A minimum of two compartments with a separation baffle and inlet and outlet fittings designed for grease retention are components. All interceptors are subject to written approval of the City.
- B. **Access.** All interceptors shall be constructed in a location outside the building they serve in such a manner that they are accessible for maintenance and inspection at all times. Two manholes shall be provided on each interceptor for access. The access shall be a minimum of one inch above the surrounding grade and shall consist of a cast iron frame and cover.
- C. **Load Bearing Capacity.** If the interceptor is located in an area subject to traffic or other loads, it shall be designed to have adequate load bearing capacity.
- D. **Inlet and Outlet Piping.** One inlet and outlet tee shall be provided for each grease interceptor. Wastewater shall enter the grease interceptor only through the inlet tee.
- E. **Grease Interceptor Sizing.** The required minimum size of an interceptor shall be determined by the City with no interceptor being less than 500 gallons. If the calculated required capacity is in excess of 1500 gallons, multiple units may be used in series.
- F. **Upgrades or Changes.** Changes or upgrades proposed to be made to any existing or new facility that affects grease discharge shall be reported to the City.(Ord. 3094, 10/2/12)

Sec. 21-44. Grease Interceptor Maintenance.

- A. **Cleaning and Pumping.** The user shall bear all expenses to maintain the grease interceptor. Grease interceptor maintenance shall include the removal of all contents including floating matter, wastewater and sludge. No waste shall be disposed of back into the interceptor it was removed from or any other interceptor. The interceptor shall be pumped out completely at each cleaning. A depth of solids measurement equal to or greater than one fourth of the interceptor's depth shall be considered to be in non-compliance.
- B. **Cleaning and Pumping Frequency.** The minimum frequency for pumping out of grease interceptors shall be monthly. Request to extend the cleaning schedule must be supported by maintenance records.
- C. **Disposal of Interceptor Waste.** Waste removed from interceptors shall be disposed of at a facility licensed to receive and process such waste. No waste removed from an interceptor shall be returned to any portion of the sanitary collection system.
- D. **Additives.** Any additive such as enzymes and bacteria introduced into the grease interceptor or buildings discharge line for the purpose of treating grease and/or sludge shall be reported on the user's maintenance record. The use of additives does not relieve the user from performing the maintenance requirements set forth herein.
- E. **Records.** A written record shall be maintained by each facility required to have a grease interceptor which confirms and tracks the pumping, hauling and disposal of waste collected from each interceptor. The user is required to utilize licensed disposal service providers. The user shall keep a copy of the service manifest from the hauler. The Log shall contain the date, time, disposal service provider, volume pumped, signature of user authorizing pumping, signature of service provider and disposal site. The Log shall be maintained for the previous two-year period. The Log shall be readily available for inspection by the City.(Ord. 3094, 10/2/12)

Sec. 21-45. Enforcement.

The enforcement of this Ordinance shall be by the administrative authority of the City of

Hattiesburg. Any user found to be in violation of the requirements of this Ordinance is subject to corrective action by the City which may include but not be limited to the following:

- A. **Notice of Violation.** Any user found to be in violation shall be issued a written notice detailing the infraction. The user shall submit a plan for the satisfactory correction of the deficiency within 14 days of the date of the notice.
- B. **Suspension of Service.** Water and wastewater services may be suspended to a user when deemed necessary by the City to prevent an actual or imminent discharge which:
 - 1. may present in the opinion of the City an endangerment to the public or environment;
 - 2. causes sanitary sewer overflows as a result of stoppages or requires excessive maintenance to be performed on the sanitary sewer system to prevent stoppages;
 - 3. causes a violation to any condition of the City's NPDES permits.

Any user notified of a suspension of water and sewer service shall immediately cease or eliminate discharge. If the user fails to voluntarily comply, the City may immediately terminate water and sewer service. Water and sewer services may be reinstated to the user when all conditions causing the suspension have been eliminated corrected and the reconnection fee has been paid. The user shall submit a statement to the City detailing the cause of the incident and state the action taken to prevent future occurrences. The statement shall be submitted within 14 days of the violation.

- C. **Administrative Penalty.** Any user determined to have violated any provision of this Ordinance may be assessed an administrative penalty not to exceed \$1000 per violation per day. Assessments may be added to the user's water and sewer account.
- D. **Request for Hearing and Appeal.** Any user subjected to a penalty, order or directive of the City of Hattiesburg issued under the provisions of this program is entitled to a hearing before the City Council. Such appeal or hearing shall be requested in writing within ten days of the issuance of the penalty, order or directive. The requested hearing shall be held in a timely manner and the affected user shall have the opportunity to be heard. The City shall issue a written response to the user requesting the hearing.(Ord. 3094, 10/2/12)

Sec. 21-46 – 21-49. Reserved.

The foregoing ordinance having been reduced to writing was introduced by Council member Carroll, seconded by Council member Naylor and was adopted by the following vote, to wit:

Yeas: Bradley
Carroll
Dryden
Naylor

Nays: None

Absent: Delgado

The president hereby declared the motion carried and the Ordinance adopted and approved on this the 14th day of September A.D., 2015.

(SEAL)

ATTEST:

ADOPTED:


CLERK OF COUNCIL


PRESIDENT

The above and foregoing Ordinance having been submitted to and approved by the Mayor this the 14th day of September, A.D., 2015.

ATTEST:

APPROVED:


CITY CLERK


MAYOR

AGREEMENT for SEWER TREATMENT

THIS AGREEMENT, entered into on the day and date hereinafter provided by and between the CITY OF HATTIESBURG, MISSISSIPPI, a municipal corporation hereinafter referred to as "Hattiesburg" or "the City," and **Westhaven Subdivision**, hereinafter referred to as "Utility Company" for the purpose of setting forth the terms, conditions and covenants under and consistent with which Hattiesburg will receive Domestic Wastewater flow from Utility Company into Hattiesburg's wastewater collection system and treatment facility, and to provide for payment of Hattiesburg's conveyance and treatment charges.

ARTICLE I

Definitions

Section 1.01. DEFINITIONS OF TERMS. Terms and expressions used in this Agreement, including the preamble hereof, shall have the meaning set forth in this Article:

- (a) "*Calendar year*" means the twelve (12) month period beginning January 1 of each year.
- (b) "*Connection*" means one unit or one single occupied dwelling per building (e.g., duplex with two dwellings has two connections, and a building with ten individual units has ten connections).
- (c) "*Domestic wastewater*" means liquid and water-carried waste discharge from sanitary conveniences of dwellings, business buildings, institutions and the like, as distinct from wastes in industrial waste.
- (d) "*Exceedance*" means excess flow based on allowable capacity.
- (e) "*Hattiesburg*" means the City of Hattiesburg, Mississippi, a municipal corporation.
- (f) "*Industrial waste*" means the liquid and water born wastes from industrial processes as distinct from wastes in Domestic Wastewater.
- (g) "*Month*" means calendar month.

- (h) “*Operation and maintenance expense*” means the current expense paid or accrued in the operation, maintenance, and ordinary repair of the wastewater treatment facility and wastewater collection system of Hattiesburg (including, but not limited to the North and South lagoons) and shall include, without limitation on the generality of the foregoing, capital expenditures, indebtedness, insurance premiums and administrative expenses of Hattiesburg and such other reasonable and necessary current expenses relating to the wastewater treatment facility and wastewater collection system, as defined in paragraph B of Chapter 21, Section 30, of Hattiesburg’s Code of Ordinances (Ordinance No. 3167, as adopted by the City Council on Sept. 14, 2015), a copy of which is attached hereto and made a part hereof, and as shall be in accordance with sound accounting practices.
- (i) “*Person*” means and includes the state of Mississippi, a public agency as defined herein, or any municipal entity, town, or political subdivision of any governmental agency of the State of Mississippi or the United States of America, or any individual, co-partnership, association, firm, trust, State, or any other entity whatsoever.
- (j) “*Point of entry*” means the point at which wastewater enters Hattiesburg’s wastewater collection system.
- (k) “*Wastewater*” means Domestic Wastewater.
- (l) “*Wastewater collection system*” means the array of wastewater pipes, manholes, and pump stations which function to transport wastewater from service sources to a wastewater treatment facility.
- (m) “*Wastewater treatment facility*” means the facility of Hattiesburg for treatment and disposal of wastewater, situated in Forrest County, Mississippi, as such facility now exists and as it may be hereinafter improved, enlarged, and/or expanded by Hattiesburg.

ARTICLE II

Scope of the Agreement

Section 2.01. RESPONSIBILITIES OF THE PARTIES.

- 1) Hattiesburg agrees to accept and treat all volumes of wastewater delivered by and from the Utility Company.

- 2) Upon final completion of the construction of any needed improvements, Utility Company would own, operate, and maintain that portion of the System which lies upstream of the point of wastewater entry to the Municipality.
- 3) Upon final completion of the construction of any needed improvements, Hattiesburg would own, operate, and maintain that portion of the sewer system at the point of wastewater entry to the Municipality and the downstream lines connecting thereto, not including the metering station, which will be owned, operated, and maintained by Utility Company, as provided in Section 3.05, below.

Section 2.02. EXISTING FACILITIES. Utility Company will provide to the City the total number of existing individual connections which are connected to Utility Company's system and facilities as of the date this Agreement is entered into and executed by the Parties to this Agreement – City and Utility Company. The system inspection required under section 2.03 is to be performed at the time of the execution and signing of this Agreement if possible, but not in any case more than six (6) months thereafter. The Utility Company's total number of existing connections shall be provided to the City in the form of a written report signed by a licensed, professional engineer. It is agreed by the parties that the existing facilities have sufficient capacity for the proper transport and treatment of the proposed wastewater to be received by Hattiesburg. If, however, a transmission line, an interceptor, or other directly affected facilities of Hattiesburg should become inadequate, in the opinion of the City Engineer of Hattiesburg, to properly transport or treat the flow of wastewater from the Utility Company, then upon fifteen (15) days' written notification from the Hattiesburg, Utility Company shall refrain from further increasing the flow of wastewater into Hattiesburg's system and, if necessary, shall take reasonable and appropriate steps to reduce such flow to a level deemed appropriate by the City Engineer of Hattiesburg. Hattiesburg will then promptly proceed to repair, replace, or enlarge its facilities such that Utility Company may, upon completion of the repairs, resume full and unrestricted flow to Hattiesburg. Failure of Utility Company to respond to such notice within fifteen (15) days shall be grounds for immediate suspension of service by Hattiesburg until it responds to the notice.

Section 2.03. SYSTEM INSPECTION. An initial system inspection – including a determination of the total number of Utility Company's connections – is required to be performed at the time of the execution and signing of this Agreement if possible, but not in any case more than six (6) months thereafter. The Utility Company's total number of existing connections will be in writing and signed by a professional engineer. Thereafter, Utility Company will perform an inspection of its existing system and facilities every five (5) years, unless requested more frequently by the City, and report to Hattiesburg in writing the number of its total connections. This report shall be approved and signed by a licensed, professional engineer.

Section 2.04. REPAIR OR REPLACEMENT OF FACILITIES. If a transmission line, an interceptor, or other facility transporting the wastewater flow from Utility Company, in the opinion of the Hattiesburg City Engineer, required repair or replacement, Utility Company will participate in the cost of such improvement by paying a proportionate share to construct such improvements. Upon proper and timely notice, Utility Company will pay to Hattiesburg a sum of money equal to the product of the cost of the improvement times the percentage of flow contributed to the improved segment or facility by Utility Company during the preceding fiscal year. Utility Company's cost share previously described will be due within thirty (30) days of the award of the construction contract for such improvements. Utility Company shall participate in, and concur with, the design and construction practices of the changes or improvements to the facilities that require cost participation by Utility Company.

Section 2.05. CAPACITY ANALYSIS. The City will establish the capacity of the collection system downstream of Utility Company and communicate the capacity in writing to Utility Company which is hereby incorporated into this contract as if fully set forth, herein. The City has the discretion to bill the expense of such capacity studies directly to Utility Company. The Utility Company shall operate and maintain the sewer collection system of the Utility Company such that Infiltration and Inflow are minimized. The Utility Company agrees to diligently pursue reductions in Inflow and Infiltration within the wastewater collection and transmission system operated and maintained by the Utility Company, as well as any parties contributing waste water to the Utility Company's system. The Utility Company will comply with all sanitary sewer overflow rules set forth by the MDEQ, the EPA, and any other governmental body having legal authority to set standards sewer collection and transmission systems of similar size and character

Section 2.06. EXCEEDANCE OF CAPACITY. In the event Utility Company is in exceedance of capacity, Hattiesburg will issue a notice of violation for any and all violations of capacity, and the City may within its discretion terminate this Agreement for noncompliance and material breach under Article VII and/or require the Utility Company to provide a proposed, corrective action plan to be approved by Hattiesburg which will include an infiltration and inflow study (NASCO standards) and a detailed plan of corrective action the Utility Company will take, including the manner of corrective action, the deadline by which the corrective action will be completed, and the cost of the corrective action.

ARTICLE III

Discharge of Wastewater, Title, and Metering

Section 3.01. DISCHARGE. Utility Company shall have permission to discharge Domestic Wastewater into Hattiesburg's wastewater collection system from Utility Company's certificated sewer service area, as described by legal description and aerial plot in attached exhibit(s). The number of service connections shall be limited to the proposed number of lots and/or units indicated in the attached exhibit.

Section 3.02. POINT OF ENTRY. Utility Company shall discharge its Domestic Wastewater through a municipally maintained point or points of entry designated by Hattiesburg. Hattiesburg hereby designates the following as the Point of Entry, to which Utility Company agrees:

ML Section 3.03. CONVEYANCE TO POINT OF ENTRY. It shall be the sole responsibility of Utility Company, including any liability incurred in connection therewith, to convey such wastewater to the Point of Entry, as specifically defined and agreed to in Section 2.02, through Utility Company's disposal system to Hattiesburg's wastewater collection system. Utility Company shall have sole construction and maintenance responsibility for the sewer pipe and facilities running and existing between Utility Company's certificated sewer service area, as defined in attached exhibit(s), and the Point of Entry, as specifically defined and agreed to in Section 2.02. Hattiesburg reserves the right to inspect Utility Company's disposal system for irregularities that could result in inadmissible discharges into Hattiesburg's system including inflow/infiltration, grease, and industrial waste. Hattiesburg shall have no maintenance responsibilities for Utility Company's sewer pipe and facilities. Hattiesburg shall be responsible for maintenance only at the Point of Entry, as defined in Section 2.02. *ML*

Section 3.04. TITLE TO WASTEWATER AND RESPONSIBILITY THEREFORE. Title to wastewater discharged hereunder shall remain in Utility Company until Point of Entry and, upon passing through Point of Entry, title thereto and all effluent therefrom shall pass to Hattiesburg. Utility Company agrees to save and hold harmless the City of Hattiesburg from all claims, demands, and causes of action which may be asserted by any person on account of the reception, transportation, delivery, and disposal of Domestic Wastewater while title thereto remains in or passes to Utility Company. Provided, however, that any administrative, non-routine, emergency, or other specific charge or assessment against Hattiesburg resulting from the operation of Utility Company's disposal system shall be deemed an expense of and charged to Utility Company regardless of whether title to the Domestic Wastewater giving rise to any such charge against Hattiesburg has vested in Hattiesburg; such charge shall be payable by Utility Company upon presentation of adequate cost and responsibility. Utility Company shall be advised of and have the right to contest any charge or assessment made by any charging agency. Nothing herein is intended or should be construed to indemnify or hold harmless either party for such party's own

negligence. This covenant is not made for the benefit of any third party. Hattiesburg takes responsibility as between the parties hereto for the proper reception and ultimate treatment and disposal of such wastewater received by it at Point of Entry; provided, however, that the wastewater meets applicable Federal and State standards and restrictions.

The parties understand and agree that the sewer pipe and facilities running and existing between Utility Company's certificated sewer service area, as defined in attached exhibit(s), and the Point of Entry, as defined in Section 2.02, is the exclusive property of Utility Company and neither Hattiesburg nor any third party shall have any right whatsoever to connect or tie into such pipe or facilities, nor any duty to maintain such pipe or facilities.

Section 3.05. METERING. At Point of Entry into Hattiesburg's wastewater collection system, the necessary equipment and device of standard type for measuring properly all of Utility Company's Domestic Wastewater shall be installed, operated and maintained by Utility Company. Such meter shall be an automatic meter reading (AMR) meter specified by the City to be compatible with the City's automated system and shall be the property of Utility Company. Hattiesburg and Utility Company shall have access to such metering equipment at all reasonable times for inspection and examination. Meters shall be calibrated annually at the end of the calendar year with certified calibration report submitted to the City for verification. If for any reason a meter is out of service or out for repair, or if, upon any test, accuracy of any meter is found to be inaccurate by ten percent (10%) or more, plus or minus, of the flow, registration thereof shall be corrected for a period of time extending back to the time when such inaccuracy began, if such a time is ascertainable, and if such a time is not ascertainable, then for a period extending back one-half (1/2) of the time elapsed since the date of the last calibration, but in no event further back than a period of six (6) months. The out of service or malfunctioning meter shall be repaired by the Utility Company within four weeks of detection of malfunction.

Section 4.06. UNIT OF MEASUREMENT. The unit of measurement for wastewater delivery hereunder shall be one thousand (1,000) gallons, U.S. Standard Liquid Measure.

ARTICLE IV

Comprehensive Sewer Use Provisions

Section 4.01. ADMISSIBLE DISCHARGES. Utility Company agrees that wastewater discharge from its system into Hattiesburg's wastewater collection system shall be of such quality that:

- (a) Effluent thereof shall not be in violation of and shall fully comply with Chapter 21, Section 24, of Hattiesburg's Code of Ordinances (Ordinance No. 3167, as adopted by the City Council on Sept. 14, 2015), a copy of which is attached hereto and made a part hereof; and
- (b) Effluent thereof meets the then current standards of the State Department of Environmental Quality and the United States Environmental Protection Agency and any other governmental body having a legal authority to set standards for such effluent, including those within any Order, Judgment, or Decree of any United States District Court or Mississippi Commission on Environmental Quality; and
- (c) Hattiesburg's wastewater treatment facility or wastewater collection system lines are not damaged to the extent to cause unnecessary repairs or replacement or increased operation and maintenance expenses.
- (d) Stormwater inflow or infiltration in any appreciable amount is not introduced into the effluent stream.

Section 4.02. COMPREHENSIVE SEWER USE PROVISIONS. Utility Company shall adopt, maintain and impose upon its users such rules and regulations as are necessary to ensure compliance with Section 3.01 to the same extent as would be imposed by Chapter 21 of Hattiesburg's Code of Ordinances (Ordinance No. 3167, as adopted by the City Council on Sept. 14, 2015), a copy of which is attached hereto and made a part hereof, if such a user were located within the jurisdiction of Hattiesburg.

Section 4.03. INDUSTRIAL WASTE. Utility Company shall not allow the discharge of any industrial waste into its sewer system without written consent of Hattiesburg. Before any such consent may be given, the industry shall file with Hattiesburg a statement showing the average analysis of the industrial waste it wishes to discharge. No consent for the discharge of industrial waste will be given by Hattiesburg if such waste does not pass through an inspection manhole located so as to be accessible at all times to inspectors of Hattiesburg and Utility Company. Utility Company shall ensure that its collection system is protected from illicit third party discharging, including industrial or septic tank discharges. If inspection indicates that damage may be resulting from the discharge, Utility Company shall be responsible to Hattiesburg for any such damages, payable immediately upon determination of the amount involved by the parties.

Section 4.04. TESTING. Utility Company shall allow Hattiesburg access to its system at any accessible point for purposes of taking samples of Utility Company's wastewater for analysis to ensure compliance with ARTICLE III of this agreement. The results of such analysis will be made available to Utility Company at its request.

ARTICLE V

Payments, Structure Limitations, and Annual Adjustments

Section 5.01 INITIATION FEE. If Utility Company does not already have a physical connection established to transmit effluent into City's facilities, the Utility Company will pay to the City of Hattiesburg a sum of \$10,000.00 upon execution of this Agreement for establishing a new connection between the City and Utility Company.

Section 5.02 CONNECTION FEES. Utility Company shall pay to the City of Hattiesburg a connection fee in the amount of three hundred dollars (\$300.00) per new individual customer connection to Utility Company, and said fee will be paid before said connection is connected to Utility Company's sewer collection line. For the purposes of this Section, a "new" connection is a connection established after this Agreement is entered into and executed by the Parties – City and Utility Company – and not counting existing connections under Section 2.02 of this Agreement.

Section 5.03 RATE. Utility Company shall pay to Hattiesburg for conveyance and treatment of its wastewater a rate per thousand gallons equal to double the current sewer rate set by Ordinance of the Mayor and Council of the City of Hattiesburg for those rate-payers within the corporate limits of the City of Hattiesburg. Rates will be adjusted annually in accordance with any rate changes that the City of Hattiesburg may impose on its customer base.

Section 5.04 CASH DEPOSIT OR PAYMENT BONDS. It is hereby agreed that upon entry into and signature of this Agreement, Utility Company will either submit to Hattiesburg a cash deposit, or post a payment bond through an approved surety company, which shall at a minimum be an amount equal to one year's worth of estimated payments made to Hattiesburg by the Utility Company. The cash deposit or bond will be based on the average flow and at the rate as agreed to in this Agreement, unless the City provides notice in writing of another, specific deposit or bond amount. The purpose of such deposits or payment bonds is in the event of triggering Section 5.05, below. The Utility Company will continue to pay Hattiesburg for ongoing sewer treatment following ninety (90) days of Utility Company's failure to make payments and during the time in which Utility Company provides an alternative method of sewer treatment following disconnection from the City of Hattiesburg's treatment facilities, unless the City provides notice in writing of another, specific time period.

Section 5.05 LATE PAYMENTS. Utility Company agrees that the invoice is due to be paid in full, within seven (7) days of receipt. If full payment is not made within thirty (30) days,

Hattiesburg will provide Utility Company written notice providing Utility Company fifteen (15) days within which Utility Company may come into compliance, or that otherwise, Hattiesburg may choose to seek all legal remedies available under the law to recover the outstanding debt to the City. Failure to make payment beyond ninety (90) days will result in the City's exercise of discretion to pursue any and all legal remedies available under the law against the Utility Company, including calling the Payment Bond provided for in Section 5.04, above, and seeking judicial intervention to disconnect Utility Company from the City of Hattiesburg's treatment facilities, which may require Utility Company to construct its own treatment facilities within a reasonable time, during which time Utility Company will continue to pay the City of Hattiesburg for sewer treatment until disconnected, such payments to be made within seven (7) days of receipt of invoice. If continued payment is not made to Utility Company, Hattiesburg may either utilize the cash deposit or call the Payment Bond provided for in Section 5.04, above, for the purposes of satisfying the Utility Company's continuing payments for ongoing sewer treatment. It is hereby specifically agreed that such available legal remedies referenced herein may also in the discretion of the City of Hattiesburg include utilizing the cash deposit and/or calling the Utility Company's Payment Bond. Utility Company's failure to make a timely payment shall entitle the City, either by this Agreement or through judicial action, to require bond be increased to a sufficient amount to make estimated payments for the length of time needed or required for the Utility Company to provide an alternative method of sewer treatment and to be disconnected from the City of Hattiesburg's treatment facilities, unless the City provides notice in writing of another, specific time period. The City retains the option to terminate this Agreement for noncompliance and material breach under Article VII.

ARTICLE VI

Effective Date, Term of Agreement, and Miss. Public Service Commission Approval

Section 6.01. EFFECTIVE DATE. This agreement shall become effective as of the **22nd day of May, 2018**, and as of that date this Agreement shall constitute the sole and only Agreement between Hattiesburg and Utility Company as to matters contained herein.

Section 6.02. TERM OF AGREEMENT. This Agreement shall be in force and effect from the **22nd day of May, 2018**, and shall continue in effect from year to year unless either party hereto shall give not less than six (6) months' notice in writing to the other that this Agreement shall no longer be in force and effect; however, in no instance shall this Agreement terminate earlier than the end of any calendar year.

Section 6.03. CERTIFICATION. Utility Company will be certified with the State of Mississippi Public Service Commission (MPSC) as a sewer utility for **Westhaven Subdivision**/Development in **Lamar County** (MPSC I.D. No. _____). Subject to the approval of the MPSC, Utility Company will further have the authority to effect the application and collection of rates and other charges for sewer service to its customers located within its certificated area, consistent with the MPSC's response to an Application to Approve this Agreement and Related Tariff to be filed with the MPSC after execution of this Agreement by both parties with proper authority. Utility Company will maintain its Certificate (attached as an exhibit hereto), Tariffs, and will continue to collect all approved customer service fees. All fees due to the City of Hattiesburg will be paid by Utility Company on a monthly basis. The fees due to the City of Hattiesburg will be based on the flow meter reading, as provided in Section 2.05 as stated above.

ARTICLE VII

Miscellaneous Provisions

Section 7.01. FORCE MAJEURE. In case by reason of "Force Majeure," either party hereto shall be rendered unable wholly or in part to carry out its obligations under this agreement, then if such party shall give notice and full particulars of such "Force Majeure" in writing to the other party within a reasonable time after occurrence of the event or cause relied on, the obligation of the party giving such notice, so far as it is affected by "Force Majeure," shall be suspended during the continuance of the inability then claimed, but for no longer period, and any such party shall endeavor to remove or overcome such inability with all reasonable dispatch.

Section 7.02. BREACH. This Agreement may be terminated by either party for a material breach of the Agreement by the other party. In the event of termination under this provision, the party terminating shall give written notice by mail to the other party and termination shall be effective on the date specified, but no earlier than ninety (90) days from the date such written notice is received by the other party. In the event this Agreement is breached because Utility Company is in exceedance of capacity, under Section 2.06 of this Agreement, Hattiesburg will issue a notice of violation for any and all violations of capacity, and the City may within its discretion terminate this Agreement for noncompliance and material breach under Article VII and/or require the Utility Company to provide a proposed, corrective action plan to be approved by Hattiesburg which will include an infiltration and inflow study (NASCO standards) and a detailed plan of corrective action the Utility Company will take, including the manner of corrective action, the deadline by which the corrective action will be completed, and the cost of the corrective action. In case of termination, all obligations that are still executory on

both sides are discharged as of the effective date of the termination. However, rights based on prior breach or prior performance, the indemnification provisions, and the records retention provisions shall survive.

Section 7.03. GOVERNING LAW AND VENUE. This Agreement shall be construed under and in accordance with the laws of the State of Mississippi, and venue for any action at law or in equity shall be a court of competent jurisdiction in Forest County or Lamar County, Mississippi.

Section 7.04. WAIVER. No waiver or failure to insist on performance of a term or condition of this agreement shall be construed as a waiver of the term or condition absent a writing clearly stating that the condition is being waived. A written waiver shall be applicable only for the period or time stated and shall not be construed as a waiver of indefinite duration.

Section 7.05. SEVERABILITY. If any provision of this Agreement is held to be invalid, unenforceable, or unlawful by a court or tribunal of competent jurisdiction, then said provision will not operate to invalidate any other, remaining portion of this Agreement, which shall continue in force and effect but for said provision and shall be construed accordingly.

Section 7.06. HEADINGS. The headings used in this Agreement have been included solely for ease of reference and shall not be considered in the interpretation or construction of this Agreement.

Section 7.07. AUTHORITY TO CONTRACT AND EXECUTE. Each individual executing and signing this Agreement warrants and represents that he/she has been authorized to execute the Agreement on behalf of the parties to this Agreement.

Section 7.08. AMENDMENTS AND MODIFICATION. This Agreement may not be modified or amended absent the execution of a written instrument, signed by duly authorized officials and/or representatives of Utility Company and the City Council of Hattiesburg. amendments and modification to the agreement shall be effective as of the date set forth in the amendment or modification and shall not be retroactive

Section 7.09. NOTICE. Notices required or provided pursuant to the provisions of this Agreement shall be in writing and served either by personal delivery, mail, or fax to the parties as follows:

For Hattiesburg: Lamar Rutland

For Utility Company: Michael Long or Michael Villarreal

Section 7.10. FURTHER ASSURANCES. The parties agree that each shall and will, upon reasonable request of the other, make, do, execute, or cause to be made, done, or executed, all such further and other lawful acts, deeds things, devices, and assurances whatsoever for the better or more perfect and absolute performance of the terms and conditions of the Agreement for the treatment of Utility Company's wastewater.

WITNESS THE SIGNATURES of the parties on duplicate originals, on this the 22nd day of May, A.D. 2018

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI


City Clerk

By: 
MAYOR: Toby Barker

ATTEST:


Witness:

By: 
Managing Member:

THIS DOCUMENT HAS AN ARTIFICIAL WATERMARK PRINTED ON THE BACK. THE FRONT OF THE DOCUMENT

OFFICIAL CHECK

HAS A MICRO-PRINT SIGNATURE LINE. ABSENCE OF THESE FEATURES WILL INDICATE A COPY.

140507 / M 59902-Y



BancorpSouth

0501002731

ISSUED BY: MONEYGRAM PAYMENT SYSTEMS, INC.
P.O. BOX 9476, MINNEAPOLIS, MN 55480
DRAWEE: BOKF, NA
EUFULA, OK

49-55/1031

DATE APRIL 18, 2018

PAY

\$10,000 DOLS 00 CTS

\$10,000.00

TO
THE
ORDER
OF

CITY OF HATTIESBURG

NAME OF REMITTER

WESTHAVEN DEVELOPMENTS

DRAWER: BANCORPSOUTH

BY

AUTHORIZED SIGNATURE

MP

255/ 319

FILED

2017 DEC 12 AM 8 43

WAYNE SMITH
CHANCERY CLERK

Prepared by:
Joseph M. Giannola, Jr. (MSB# 101972)
Lockett Land Title, Inc.
63 98 Place Blvd.
Hattiesburg, MS 39402
(601) 450-0963

Return to:
Lockett Land Title, Inc.
63 98 Place Blvd.
Hattiesburg, MS 39402
(601) 450-0963
File #17-02231

INDEXING INSTRUCTIONS: NW 1/4 of SE 1/4 and S 1/2 of SW 1/4 of NE 1/4 of Section 21, Township 4 North, Range 14 West, Lamar County, Mississippi

STATE OF MISSISSIPPI

COUNTY OF LAMAR

WARRANTY DEED

FOR AND IN CONSIDERATION of the sum of Ten and No/100 Dollars (\$10.00), cash in hand paid, and other good and valuable consideration, the receipt, adequacy and sufficiency of all of which is hereby irrevocably acknowledged and confessed, the Grantor,

PAMELA SHAE BYRD BARNES
167 Grange Road
Prentiss, Mississippi 39474
(601) 408-2259

does hereby grant, bargain, sell, convey and warrant unto the Grantee,

WESTHAVEN DEVELOPMENTS, LLC
a Mississippi limited liability company
P.O. Box 16044
Hattiesburg, MS 39404
(601) 467-2148

the following described real property lying and being situated in Lamar County, Mississippi, and being more particularly described as follows, to-wit:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE APART HEREOF

Grantor hereby reserves any and all oil, gas and other minerals in, on and under the real property described above.

This conveyance and the warranty hereof is subject to any and all prior and outstanding leases, exceptions, reservation and/or conveyances of oil, gas and/or other minerals and any geothermal energy resources lying in, on and under the above described real property.

This conveyance and the warranty hereof is subject to any environmental condition existing upon the subject property which would cause said property to be in violation of any State and/or Federal Environmental Protection Act.

This conveyance and the warranty hereof is subject to any and all other easements and rights-of-way, whether of record or of use, which affect the real property hereby conveyed.

This conveyance and the warranty hereof is subject to any and all Covenants and Restrictions of record.

IT IS AGREED and understood that the taxes for the current year will be paid in full by the Grantor(s).

WITNESS MY SIGNATURE on the date of my respective acknowledgement.

Pamela Shae Byrd Barnes
PAMELA SHAE BYRD BARNES, GRANTOR

STATE OF MISSISSIPPI

COUNTY OF LAMAR

THIS DAY personally came and appeared before me, the undersigned authority in and for the jurisdiction aforesaid, PAMELA SHAE BYRD BARNES, who acknowledged that she signed and delivered the above and foregoing WARRANTY DEED on the day and year herein shown as her free and voluntary act and deed.

GIVEN UNDER MY HAND AND OFFICIAL SEAL OF OFFICE, this the 8th day of December, 2017

My Commission Expires:



[Signature]
NOTARY PUBLIC

Exhibit "A"

A parcel of land located in part of the NW 1/4 of the SE 1/4, and part of the S 1/2 of the SW 1/4 of the NE 1/4, of Section 21, Township 4 North, Range 14 West, Lamar County, Mississippi, having bearings referenced to a GPS Observation, Geodetic North, and being more particularly described as follows:

Commence at a found iron pin marking the SW Corner of Westhaven Subdivision, Phase I, as filed in the Lamar County Chancery Clerks Office; thence run N00°07'24"W along the west line of said Westhaven Subdivision, Phase I, for 272.15 feet to a set iron pin and the POINT OF BEGINNING; thence continue N00°07'24"W along the west line of said Westhaven Subdivision, Phase I, for 1693.69 feet to a found iron pin marking the NW Corner of said Westhaven Subdivision, Phase I, said point is also the SE Corner of the property described as Parcel One in Deed Book 14-B, Page 181; thence run N89°22'12"W along the south line of said property described as Parcel One in Deed Book 14-B, Page 181, for 108.97 feet to a found iron pin marking the SW Corner thereof; thence run N89°50'14"W along the south line of the property described in Deed Book 14-B, Page 177, for 108.85 to a found iron pin marking the SW Corner thereof; thence run N89°34'32"W along the south line of the property described in Deed Book 8-F, Page 347, for 109.02 feet to a found iron pin marking the SW Corner thereof; thence run N89°32'08"W along the south line of the property described in Deed Book 8-G, Page 065, for 53.18 feet to a set iron pin; thence leaving the south line of said property described in Deed Book 8-G, Page 065 run S00°07'24"E for 1648.60 feet to a set iron pin; thence run S82°49'37"E for 383.10 feet back to the POINT OF BEGINNING.
Said parcel of land contains 14.579 acres more or less.



CERTIFICATE OF FILING AND RECORDING
STATE OF MISSISSIPPI
LAMAR COUNTY

Wayne Smith, Chancery Clerk

LD Book 26-J Page 319

Indexed ☒ Recorded ☒ Abstracted ☒
Sharon Hermin D.C.



ORDINANCE NO. 3167

OF THE

CITY OF HATTIESBURG, MISSISSIPPI

AN ORDINANCE REPEALING CHAPTER 21, ORDINANCE NUMBER 997 OF THE CODE OF ORDINANCES, AND ALL SUBSEQUENT AMENDMENTS THERETO, AND REPLACE WITH ORDINANCE NUMBER _____, ESTABLISHING UNIFORM RATES FOR SEWER COLLECTION AND DISPOSAL

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

SECTION 1. That Section 21, being Ordinance Number 997 of the Code of Ordinances adopted August 10, 1944, and all subsequent amendments thereto, be repealed, and replaced to read as follows, to-wit:

Chapter 21

SEWAGE DISPOSAL

- Art. I. Sewage Disposal, secs. 21-1 --- 21-19
Art. II. Use of Public and Private Sewers and Drains, secs. 21-20 --- 21-29
Article III. User Charges and Industrial Waste Surcharges, secs. 21-30 --- 21-33
Article IV. Flow of Municipal Solid Waste, secs. 21-34 --- 21-39
Article V. Discharge Waste to City Facilities by Portable Haulers, secs. 21-40 --- 21-49

Article I. Sewage Disposal*

Sec. 21-1. Occupied premises required to have method for sewage disposal.

Each residence, place of business or place of congregation in the city where people reside, are employed or congregate shall be provided with a sanitary method for the disposal of human excreta. It shall be the duty of the property owner to provide said sanitary method. It shall be the duty of the builder or construction agent in the building of any construction to provide for the adequate sanitary method provided herein along with the corresponding duties placed on other parties by this article. (Ord. 1419, sec. 2, 2-6-62; Ord. 1356, sec. 1, 3-4-59; Ord. 997, sec. 1, 8-10-44)

**Cross reference--Use of public and private sewers and drains, Ch. 21, Art. II.*

Sec. 21-2. Connection with sewerage system required; charges therefore and service rate established.

A. Property along line of sewerage system. All property owners owning property as designated in sec. 21-1, and which is located on streets, avenues or alleys where a line of the sanitary sewerage system is located, shall have installed one or more sanitary water closets connected with said sewerage system; provided there is sufficient fall to provide gravity flow from said property to said sewerage system.

B. Property within three hundred feet of sewerage line. All property owners owning property as designated in sec. 21-1, and which is located on streets, avenues or alleys where a line of the sanitary sewerage system is not located, but which is within a distance of three hundred (300) feet from a street, avenue or alley where a line of the sanitary sewerage system is located, shall have installed one or more sanitary water closets connected with the said sewerage system; provided there is sufficient fall from said property to said sewerage system, and right-of-way can be secured.

C. Charge for tap or connection. A charge or fee shall be paid to the collection office of the water department of the City of Hattiesburg for each connection or tap to any municipal sanitary sewer main before such connection or tap is made as follows:

1. Sewer tap \$1500.00
2. Clean-out of existing connection \$ 300.00

D. Monthly rate for service. The following schedule of rates is hereby ascertained, found and declared to be reasonable and the same are established as the rates to be charged for sanitary sewer service per month:

1. Effective October 1, 2013, all residential customers shall be charged for sanitary sewer service at a monthly rate, excluding any surcharge, of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be eleven dollars and three cents (\$11.03) per month.

Effective September 1, 2014, all residential customers shall be charged for sanitary sewer service at a monthly rate, excluding any surcharge, of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be twelve dollars and thirteen cents (\$12.13) per month.

Effective September 1, 2015, all residential customers shall be charged for sanitary sewer service at a monthly rate, excluding any surcharge, of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be thirteen dollars and thirty four cents (\$13.34) per month.

Effective September 1, 2016, all residential customers shall be charged for sanitary sewer service at a monthly rate, excluding any surcharge, of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be fourteen dollars and one cent (\$14.01) per month.

2. Effective October 1, 2013, all nonresidential water users including motels, apartments and house trailers, shall be charged for sanitary sewer service at a monthly rate of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be eleven dollars and three cents (\$11.03) per month.

Effective September 1, 2014, all nonresidential water users including motels, apartments and house trailers, shall be charged for sanitary sewer service at a monthly rate of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be twelve dollars and thirteen cents (\$12.13) per month.

Effective September 1, 2015, all nonresidential water users including motels, apartments and house trailers, shall be charged for sanitary sewer service at a monthly rate of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be thirteen dollars and thirty four cents (\$13.34) per month.

Effective September 1, 2016, all nonresidential water users including motels, apartments and house trailers, shall be charged for sanitary sewer service at a monthly rate of one hundred percent (100%) of their monthly water charge, with the minimum sanitary sewer charge to be fourteen dollars and one cent (\$14.01) per month.

2. Any individual, corporation, partnership, sole proprietorship or other legal entity owning water wells or other contractual customers and customers outside the corporate limits, shall be charged for sanitary sewer service at a monthly rate to be set by the Mayor and Council of the City of Hattiesburg.
3. Any individual, corporation, partnership, sole proprietorship or other legal entity with a meter size 2 inches or larger that can provide documented evidence that the amount of sanitary sewer flow delivered to the City is substantially less than the metered water flow upon which the billing amount is based can make a formal request to the Engineering Department to have its monthly charge for sewer service be based upon metered or measured sanitary sewer flow. The Engineering Department will then set up a time period, for no less than one month, to flow monitor the customers effluent sanitary sewer flow. The flow monitoring will be set up at the cost of the customer making the request. If sufficient data is provided to determine, in fact, the customer flows 90 percent of its water or less to the sewer effluent the entity will be charged a percentage of its water flow for sewer based on the data gathered.

The City reserves the right to verify the customer's effluent flow on a yearly basis and make adjustments accordingly.

Sec. 21-3. Privies, etc. ---When permitted; as specified by health department.

All property owners owning property as designated in sec. 21-1, but which does not come within the provision of sec. 21-2, shall have installed a properly constructed pit privy, or other private sewerage disposal system constructed according to the plans and specifications of the Mississippi State Board of Health. (Ord. 1419, sec. 5, 2-6-62; Ord. 1356, sec. 4, 3-4-59; Ord. 997, sec. 4, 8-10-44)

Sec. 21-4. Same--Construction.

The devices described in sec. 21-3 shall have the following specifications:

A. Pit Privy:

Is not allowed within the City Limits

B. Septic Tanks:

1. A watertight receptacle for the reception of liquid household waste and the retention of solids contained therein, which shall be provided with both an inlet and an outlet pipe.
2. Septic tanks shall be of a type and size approved by the state board of health, and the overflow from a septic tank shall be disposed of according to the rules and regulations of the state board of health relating thereto.

C. Other Toilet Devices:

1. Other sanitary toilet devices hereinbefore referred to shall mean chemical toilets, dry earth closets, or such other toilet devices as shall be approved by the county health department. (Ord. 997, sec. 5, 8-10-44)

Sec. 21-6. Clogging sewers with debris.

It shall be unlawful for any person to place or cause to be placed in any sewer or in any accessory or connection to a sewer any swill, garbage, sweepings, ashes, sand, clay, cotton, wool, rags, cloth, rubbish or any other solid matter or substance that may not be promptly dissolved by the sewerage, or that may form deposits or obstructions in the sewers, or in any of their accessories, fixtures or connections. (Ord. 923, sec. 11, 7-13-39)

Sec. 21-7. Rain and waste water from business premises to be discharged into storm sewers.

It shall be the duty of the owners of all businesses, houses, hotels, restaurants and other buildings now or hereafter erected in the business district of the city to turn the rain water from the roofs, and all other waste water of such buildings, into the city storm sewers, wherever possible, by connecting the roofs, and other waste water pipes, with such sewers by down pipes and other pipes of sufficient size and number to carry all rain water falling on such roofs and waste water into the storm sewers. (Ord. 1234, secs. 1---2, 8-13-53)

Sec. 21-8. Toilet devices to be maintained in sanitary condition.

A. Occupancy of premises prohibited. It shall be unlawful for any person to live in, rent or occupy any building or residence that is not provided with sanitary facilities and a sanitary method of excreta disposal as described in this article.

B. Duty of occupant. It shall be the duty of the occupants of each premises to see that the water closet, privy or other toilet device shall be kept in a sanitary condition at all times, and it shall be unlawful for anyone to abuse or misuse said property. (Ord. 1419, secs. 6--7, 2-6-62; Ord. 997, sec. 7, 8-10-44)

Sec. 21-9. Alteration of existing excreta disposal device require approval of health department.

Any property owner intending to alter or install a method of excreta disposal on any property shall apply to the county health department for a permit for such alteration or installation, and the county health department shall cause an inspection to be made of the property to determine which one of the methods of excreta disposal as hereinbefore described, shall be employed and shall issue to the property owner a permit for the alteration

or installation, stating therein the method of excreta disposal to be employed, and it shall be the duty of the owner to comply with the provisions of the permit. (Ord. 997, sec. 8, 8-10-44)

Sec. 21-10. Premises to be connected to extension of sewer lines.

Whenever new lines or extensions of the sewerage system are installed all property owners owning property as designated in sec. 21-1, and which property is so located as to become subject to the provisions of sec. 21-2, shall comply with the provisions of sec. 21-2 of this article. (Ord. 1419, sec. 8, 2-6-62; Ord. 1356, sec. 5, 3-4-59; Ord. 997, sec. 9, 8-10-44)

Sec. 21-11. Lessee prohibited from leasing premise without sanitary closets.

It shall be unlawful for any owner, landlord or agent to rent to any tenant any dwelling house or any other building without closets in good condition where closets are used. (Ord. 569, sec. 5, 2-11-18)

Sec. 21-12. Approved sanitary devices required for disposal.

It shall be unlawful for any person within the city to throw out, deposit or any other way dispose of human excreta other than into a sanitary water closet, , a properly constructed septic tank, or other sanitary toilet device approved by the State Board of Health. (Ord. 1419, sec. 1, 2-6-62)

Sec. 21-13. Penalty for violation of certain sections.

Any person, firm or corporation, their agents or assigns violating any of the terms of this article shall, upon conviction, be fined in a sum not to exceed five hundred dollars (\$500.00), or imprisoned for not more than ninety (90) days or both fine and imprisonment, and each day's continuance of any violation shall be a separate offense and be punishable as such. (Ord. 1419, sec. 9, 2-6-62)

Secs. 21-14 --- 21-19. Reserved.

Article II. Use of Public and Private Sewer and Drains*

Sec. 21-20. Purpose.

This article regulates the use of public and private sewers and drains, private sewage disposal, the installation and connection of building sewers, and the discharge of waters and wastes into the public sewer system: and providing penalties for violations thereof; in the City of Hattiesburg, Mississippi (Ord. 1837, entro, 1-8-75)

Sec. 21-21. Definitions.

Unless the context specifically indicates otherwise, the meaning of terms used in this chapter shall be as follows:

Approving authority shall mean the Director of Water and Sewer of the City of Hattiesburg or his duly authorized deputy, agent or representative.

BOD (denoting biochemical oxygen demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at twenty (20) degrees, expressed in milligrams per liter.

Building sewer shall mean the extension from the building drain to the public sewer or other place of disposal.

City shall mean the City of Hattiesburg, Mississippi.

COD (chemical oxygen demand) shall mean the quantity of oxygen utilized in the chemical oxidation of oxidizable material in a sample, under standard laboratory procedure, expressed in milligrams per liter (mg/l).

Combined sewer shall mean a sewer receiving both surface runoff and sewage.

Garbage shall mean solid wastes from the domestic and commercial preparation, cooking, and dispensing of food, and from the handling, storage, and sale of produce.

Hearing board shall mean the governing authorities.

Industrial wastes shall mean the liquid wastes from industrial manufacturing processes, trade, or business as distinct from sanitary sewage.

Natural outlet shall mean any outlet into a watercourse, pond, ditch, lake, or other body or surface of ground water.

Person shall mean any individual, firm, company, association, society, corporation, or group.

pH shall mean the common logarithm of the reciprocal of the hydrogen ion concentration in grams per liter of solution.

Properly Shredded Garbage shall mean the wastes from the preparation, cooking, and dispensing of food that have been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half inch in dimension.

Public sewer shall mean a sewer in which all owners of abutting properties have equal rights and is controlled by public authority.

Regulatory agency shall mean the Mississippi Air and Water Pollution Control Commission.

Sanitary sewer shall mean the sewer which carries sewage and to which storm, surface, and ground waters are not intentionally admitted.

Service charge shall mean the basic assessment levied on all users of the public sewer system whose wastes do not exceed in strength the concentration values established as

**Cross reference--Sewage disposal, sec. 21-1 et seq.*

representative of normal sewage.

Sewage shall mean a combination of the water-carried wastes from residences, business buildings, institutions, and industrial establishments, together with such ground, surface and storm waters as may be present.

Sewage treatment facility shall mean any arrangement of devices and structures used for treating sewage.

Sewage works shall mean all facilities for collecting, pumping, treating, and disposing of sewage.

Sewer shall mean a pipe or conduit for carrying sewage.

Shall is mandatory; **may** is permissive.

Slug shall mean any discharge of water, sewage, or industrial waste which, in concentration of any given constituent or in quantity of flow, exceeds for any period of duration longer than fifteen (15) minutes more than five (5) times the average twenty-four-hour concentration or flows during normal operation.

Standard methods shall mean the examination and analytical procedures set forth in the most recent addition of "Standard Methods for the Examination of Water, Sewage, and Industrial Wastes," published jointly by the American Public Health Association, the American Waterworks Association and the Water Pollution Control Federation.

Storm drain (sometimes termed storm sewer) shall mean a sewer which carries storm and surface waters and drainage, but excludes sewage and industrial wastes, other than unpolluted cooling water.

Surcharge shall mean the assessment in addition to the service charge which is levied on those persons whose wastes are greater in strength than the concentration values established as a representative of normal sewage.

Suspended solids shall mean solids that either float on the surface of, or in suspension in water, sewage, or other liquids and which are removable by laboratory filtering.

Watercourse shall mean a channel in which a flow of water occurs, either continuously or intermittently. (Ord. 2546, sec. 1, 2-20-96; Ord. 1837, sec. 1, 1-8-75)

Sec. 21-22. Use of public sewers required.

A. It shall be unlawful for any person to place, deposit, or permit to be deposited in any unsanitary manner on public or private property within the City of Hattiesburg, or in any area under the jurisdiction of said city, any human or animal excrement, garbage or other objectionable waste.

B. It shall be unlawful to discharge to any natural outlet within the City of Hattiesburg, or in any area under the jurisdiction of said city, any sewage or other polluted waters, except where suitable treatment has been provided in accordance with subsequent provisions of this ordinance.

C. Except as hereinafter provided, it shall be unlawful to construct or maintain any privy, privy vault septic tank, cesspool, or other facility intended or used for the disposal of sewage.

D. The owner of all houses, buildings, or properties used for human occupancy, employment, recreation, or other purposes, situated within the City of Hattiesburg and abutting on any street, alley, or right-of-way in which there is now located or may in the future be located a public sanitary or combined sewer of the City of Hattiesburg, is hereby required at his expense to install suitable toilet facilities therein, and to connect such facilities directly with the proper public sewer in accordance with the provisions of this ordinance, within ninety (90) days after date of official notice to do so, provided that said public sewer is within one hundred (100) feet of the property line. (Ord. 1837, sec. 2, 1-8-75)

Sec. 21-23. Private sewage disposal.

A. Where a public sanitary or combined sewer is not available under the provisions of sec. 21-22 (D) the building sewer shall be connected to a private sewage disposal system complying with the provisions of this section.

B. Before commencement of construction of a private sewage disposal system the owner shall first obtain a written permit signed by the approving authority. The application for such permit shall be made on a form furnished by the City of Hattiesburg, which the applicant shall supplement by any plans, specifications, and other information as is deemed necessary by the approving authority. A permit and inspection fee of six dollars (\$6.00) shall be paid to the City of Hattiesburg at the time the application is filed.

C. A permit for a private sewage disposal system shall not become effective until the installation is completed to the satisfaction of the approving authority. He shall be allowed to inspect the work at any stage of construction and, in any event, the applicant for the permit shall notify the approving authority when the work is ready for final inspection, and before any underground portions are covered. The inspection shall be made within twenty-four (24) hours of the receipt of notice by the approving authority.

D. The type, capacities, location, and layout of a private sewage disposal system shall comply with all recommendations of the Mississippi Air and Water Pollution Control Commission or the Mississippi State Board of Health, whichever applies. No septic tank or cesspool shall be permitted to discharge to any natural outlet.

E. At such time as a public sewer becomes available to a property served by a private sewage disposal system, as provided in sec. 21-23 (D) a direct connection shall be made to the public sewer in compliance with this ordinance, and any septic tanks, cesspools, and similar private sewage disposal facilities shall be abandoned and filled with suitable material.

F. The owner shall operate and maintain the private sewage disposal facilities in a

Cross reference--Privies, septic tanks, etc. secs. 21-3 and 21-4.

sanitary manner at all times, at no expense to the City of Hattiesburg.

G. No statement contained in this section shall be construed to interfere with any additional requirements that may be imposed by the health officer.

H. When a public sewer becomes available, the building sewer shall be connected to said sewer within ninety (90) days and the private sewage disposal system shall be cleaned of sludge and filled with clean bank-run gravel or dirt. (Ord. 1837, sec. 3, 1-8-75)

Sec. 21-24. Use of the public sewers.

A. No person shall discharge or cause to be discharged any stormwater, surface water,

groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, or unpolluted industrial process waters to any sanitary sewer.

B. Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as combined sewers or storm sewers, or to a natural outlet approved by the approving authority. Industrial cooling water or unpolluted waters may be discharged, on approval of the approving authority, to a storm sewer, combined sewer, or natural outlet.

C. No person shall discharge or cause to be discharged the following described substances, materials, waters, or wastes if it appears likely in the opinion of the approving authority that such wastes can harm either the sewers, sewage treatment process, or equipment, have an adverse effect on the receiving stream, or can otherwise endanger life, public property, or constitute a nuisance. In forming his opinion as to the acceptability of these wastes, the approving authority will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment system, degree of treat ability of wastes in the sewage treatment facility, and other pertinent factors. The substances prohibited are:

1. Any gasoline, benzene, naphtha, fuel oil, or other flammable or explosive liquid, solid, or gas;
2. Any waters or wastes containing toxic and/or poisonous solids, liquids, or gases that inhibit or interfere with the biological treatment process;
3. Any liquid or vapor having a temperature higher than one-hundred and fifty (150) degrees Fahrenheit;
4. Any liquid wastes containing solid or viscous substances in quantities or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of the sewage works such as, but not limited to ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair and fleshing, entrails, paper dishes, cups, milk containers, etc., either whole or ground by garbage grinders;
5. Any waters or wastes having a pH lower than 5.5 or higher than 9.5, or having any other corrosive property capable of causing damage or hazard to structures, equipment, and personnel of the sewage works;
6. Any waters or wastes containing fats, wax, grease, or oils, whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between thirty-two (32) and ninety (90) degrees Fahrenheit;
7. Any waters or wastes containing free or emulsified oil and grease when, in the opinion of the approving authority, it appears probable that such wastes:
 - (a) Can deposit oil or grease in the sewer lines in such manner as to clog the sewers or impede the flow.
 - (b) Are not amenable to biological oxidation and will, therefore, pass to the receiving stream without being affected by normal sewage treatment processes,
 - (c) Can overload the sewage treatment facility's grease handling equipment.
 - (d) Can have deleterious effects on the sewage treatment process due to excessive quantities or concentrations;
8. Any waters or wastes exerting biochemical oxygen demand (BOD) greater than two hundred forty (240) mg/l;
9. Any waters or wastes exerting a chemical oxygen demand (COD) greater than four hundred (400) mg/l;
10. Any waters or wastes having a suspended solids concentration in excess of three hundred (300) mg/l;
11. Any radioactive wastes or isotopes of long half-life (over one hundred (100) days) without special permit. The radioactive isotopes Iodine-131 and

Phosphorus-32 used at hospitals are not prohibited if properly diluted at the source;

12. Any waters or wastes exerting an excessive chlorine requirement;
13. Any garbage that has not been properly shredded. The installation and operation of any garbage grinder shall be subject to the review and approval of the approving authority;
14. Any waters or wastes exerting or causing excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions);
15. Any waters or wastes containing phenol or other taste or odor-producing substances in such concentrations as to affect the taste and odor of the receiving stream after passage through the sewage treatment process;
16. Any water or wastes containing metals or salts of the metals, in solution or suspension, in concentrations exceeding the following, the analytical results being expressed in terms of the indicated elements:

Element	Concentration (mg/l)
Antimony	0.1
Arsenic	0.05
Barium	3.0
Beryllium	1.0
Bismuth	1.0
Boron	0.5
Cadmium	0.2
Calcium	8,000.0
Chromium (Hexavalent)	1.0
Chromium (Trivalent)	1.0
Total chromium	2.0
Cobalt	0.2
Iron	5.0
Lead	0.1
Magnesium	2,000.0
Manganese	1.0
Mercury	0.1
Molybdenum	0.2
Nickel	0.5
Potassium	12,000.0
Rhenium	0.5
Selenium	0.1
Silver	1.0
Sodium	8,000.0
Strontium	0.5
Tellurium	0.5
Tin	1.0
Zinc	1.0

17. Any water or wastes containing cyanides or cyano-genic compounds capable of liberating hydrocyanic acid gas or acidification in excess of one mg/l as CN in the discharged waters or wastes;
18. Any water or wastes which attack or corrode sewers and sewage disposal equipment;
19. Any waters or wastes which are not amenable to treatment or reduction by the waste water treatment process employed, or are amenable to treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving stream.

D. If any waters or wastes are discharged, or are proposed to be discharged to the public sewers, which waters contain the substances or possess the characteristics enumerated in sec. 21-24 (C), and which in the judgment of the approving authority may have a deleterious effect upon the sewage works, processes, equipment, or receiving waters or which otherwise create a hazard to life or constitute a public nuisance, the approving authority may:

1. Reject the wastes,
2. Require pretreatment to an acceptable condition for discharge to the public sewers,
3. Require control over the quantities and rates of discharge, and/or
4. Require payment to cover the added cost of handling and treating the wastes not covered by existing taxes or sewer charges under the provisions of sec. 21-24 (I).

If the approving authority permits the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the approving authority, and subject to the requirements of all applicable codes, ordinances, and laws.

E. Grease, oil, sand interceptors, flow equalization and pretreatment facilities shall be maintained continuously and satisfactorily at the owner's expense and shall be subject to periodic inspection by the approving authority. The owner shall maintain suitable monthly operating records and shall submit to the approving authority each monthly summary report of the character of the influent and effluent as the latter may prescribe.

F. When required by the approving authority, the owner of any property serviced by a city sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the city sewer to facilitate observation, sampling, and measurement of the wastes. Such manhole, when required, shall be accessibly and safely located, and shall be constructed in accordance with plans approved by the approving authority. The manhole shall be installed by the owner at his expense, and shall be maintained by him so as to be safe and accessible at all times. Plans for such manholes for the installation of control and related equipment must be approved by the approving authority before construction is begun.

G. All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in this ordinance shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater," published by the American Public Health Association, and shall be determined at the control manhole provided, or upon suitable samples taken at said control manhole. In the event that no special manhole has been required, samples shall be taken at a final discharge point inside the industry or the nearest downstream manhole in the public sewer. Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards to life, limb, and property. The particular analysis involved will determine whether a twenty-four-hour composite of all outfalls of a premises is appropriate or whether a grab sample or samples should be taken. Normally, but not always, BOD and suspended solids analyses are obtained from twenty-four-hour composite of all outfalls, whereas pH's are determined from periodic grab samples.

H. Until an adequate analysis of a representative sample of the customer's waste has been obtained, the approving authority may, for the purposes of this ordinance, make a determination of the character and concentration of the waste by using data based on analysis of similar processes or data for this type of business that is available from the water pollution control commission or the United States Department of the Interior, or from industry-recognized authoritative sources.

I. No statement contained in this section shall be construed as preventing any special agreement or arrangement between the city and any user or group of users. (Ord. 1837, sec. 4, 1-8-75)

Sec. 21-25. Protection from damage.

No unauthorized person shall maliciously willfully, or negligently break, damage, destroy, uncover, deface, or tamper with any structure, appurtenance, or equipment which is a part of the sewage works. Any person violating this provision shall be subject to immediate arrest under charge of disorderly conduct. (Ord. 1837, sec. 5, 1-8-75)

Sec. 21-26. Powers and authority of inspectors.

A. The approving authority and other duly authorized employees of the City of Hattiesburg bearing proper credentials and identifications shall be permitted to enter all properties for the purposes of inspection, observation, measurement, sampling, and testing in accordance with the provisions of this ordinance. The approving authority or his representative shall have no authority to inquire into any processes including metallurgical, chemical, oil,

refining, ceramic, paper, or other industries beyond that point having a direct bearing on the kind and source of discharge to the sewers or waterways or facilities for waste treatment.

B. While performing the necessary work on private properties referred to in sec. 21-26 (A), above, the approving authority or duly authorized employees of the city shall observe all safety rules applicable to the premises established by the company and the company shall be held harmless for injury or death to the City of Hattiesburg's employees, and the city shall indemnify the company against loss or damage to its property by city employees and against liability claims and demands for personal injury or property damage asserted against the company and growing out of the gauging and sampling operation, except as such may be caused by negligence or failure of the company to maintain safe conditions as required in sec. 21-24 (F).

C. The approving authority and other duly authorized employees of the city bearing proper credentials and identification shall be permitted to enter all private properties through which the City of Hattiesburg holds a duly negotiated easement for the purposes of, but not limited to, inspection, observation, measurement, sampling, repair, and maintenance of any portion of the sewage works lying within said easement. All entry and subsequent work, if any, on said easement, shall be done in full accordance with the terms of the duly negotiated easement pertaining to the private property involved. (Ord. 1837, sec. 6, 1-8-75)

Sec. 21-27. Penalties.

A. Any person found to be violating any provision of this article shall be served by the City of Hattiesburg with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.

B. Any person who shall continue any violation beyond the time limit provided for in sec. 21-27 (A), shall be guilty of misdemeanor, and on conviction thereof shall be fined in the amount not exceeding three hundred dollars (\$300.00) for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

C. Any person violating any of the provisions of this article shall become liable to the City of Hattiesburg for any expense, loss, or damage occasioned the city by reason of such violation. (Ord. 1837, sec. 7, 1-8-75)

Sec. 21-28. Sewer ordinance amendment.

A. This article (the sewer ordinance) shall be amended by the City of Hattiesburg as necessary to accord with local conditions and technical progress.

B. This article (the sewer ordinance) shall be reviewed at least every five (5) years or at any time that the approving authority feels changes of any part of this article are needed. (Ord. 1837, sec. 8, 1-8-75)

Sec. 21-29. Hearing board.

The hearing board shall consist of the governing authorities of the City of Hattiesburg, Mississippi, and shall arbitrate differences between the approving authority and sewer users on matters concerning interpretation and execution of the provisions of this article by the approving authority. (Ord. No. 1837, sec. 9, 1-8-75)

Article III. User Charges and Industrial Waste Surcharges*

Sec. 21-30. User Charge

A. User charge shall be the charge levied on all users, including, but not limited to, persons, firms, corporations of governmental entities that discharge, cause or permit the discharge of sewage into the public sewage system.

B. The user charge shall reflect the costs of operation and maintenance (including replacement) of the public sewage works, including but not limited to the following costs:

- 1) The cost of operation of the system, including depreciation;
- 2) Maintenance of the system facilities as it presently exist;

- 3) The cost of upgrading the system's facilities as may be required or desirable;
- 4) All planning and engineering costs associated with the system;
- 5) Retirement of all indebtedness now existing or as may be incurred in the future;
- 6) The cost of provision of such reserve capacity as may be determined to be necessary or desirable for the proper operation of the system;
- 7) The cost of establishing and/or maintenance of such reserves as may be necessary or desirable for the continued operation of the system;
- 8) The cost of collection of fees and charges necessary or desirable for the operation of the system;
- 9) All overhead associated with the operation of the system;
- 10) All costs of any action required by the State of Mississippi or United States Government for the continued operation of the system;
- 11) All depreciation related to operation and maintenance of the system;
- 12) Any other direct or indirect cost may become necessary or desirable for the continued operation and maintenance of the system

C. Each user shall pay its proportionate share of operation and maintenance (including replacement) costs based on volume of flow.

D. The Chief Financial Officer, of Water and Sewer Director or the Director of Engineering shall review not less often than every two years the sewage contribution of users, the total costs of operation and maintenance (including replacement) of the sewage system, and the user charge system. Recommendations revising the user charge, if necessary shall be made to accomplish the following:

- (1) Maintain the proportionate distribution of operation and maintenance costs among users as provided herein.
- (2) Generate sufficient revenue to pay retirement of existing debt included herein, repayment of any State Revolving Fund Loans, and the total operation and maintenance costs necessary for the proper operation and maintenance (including replacement) of the sewage system,

E. Cost of transportation and treatment of all flow to the sewage system not directly attributable to users (i.e., infiltration/inflow) shall be distributed to all users of the sewage system based upon the volume of flow of the users.

F. Each user shall be notified, at least annually, in conjunction with a regular bill, of the rate and that portion of the user charge which is attributable to operation and maintenance of the sewage system. This information is to be placed on water and sewer bill annually. (Ord.2546, sec. 2, 2-20-96)

Sec. 21-31. SEWER RATE SCHEDULE

The following sewer rate schedule shall apply to each user of the sewage system.

Effective October 1, 2013, this schedule includes the user charge as established herein and the charge for debt service and recovery of other costs, each based on volume of flow.

<u>Debt Service</u>	<u>Total O & M</u>	<u>Total</u>
Initial Increment \$1.10/1000 gal	\$2.22/1000 gal	\$3.32/1000 gal
Second Increment \$.91/1000 gal	\$1.84/1000 gal	\$2.75/1000 gal

Note: Contractual sewer revenues (not based directly upon water volume) are attributed to debt service and O&M at 33% and 67%, respectively, based upon actual revenues collected.

Effective September 1, 2014, this schedule includes the user charge as established herein and the charge for debt service and recovery of other costs, each based on volume of

flow.

<u>Debt Service</u>	<u>Total O & M</u>	<u>Total</u>
Initial Increment \$1.20/1000 gal	\$2.45/1000 gal	\$3.65/1000 gal
Second Increment \$1.00/1000 gal	\$2.03/1000 gal	\$3.03/1000 gal

Note: Contractual sewer revenues (not based directly upon water volume) are attributed to debt service and O&M at 33% and 67%, respectively, based upon actual revenues collected.

Effective September 1, 2015, this schedule includes the user charge as established herein and the charge for debt service and recovery of other costs, each based on volume of flow.

<u>Debt Service</u>	<u>Total O & M</u>	<u>Total</u>
Initial Increment \$1.33/1000 gal	\$2.69/1000 gal	\$4.02/1000 gal
Second Increment \$1.00/1000 gal	\$2.23/1000 gal	\$3.33/1000 gal

Note: Contractual sewer revenues (not based directly upon water volume) are attributed to debt service and O&M at 33% and 67%, respectively, based upon actual revenues collected.

Any individual, corporation, partnership, sole proprietorship or other legal entity owning water wells or other contractual customers shall be charged for sanitary sewer service at a monthly rate to be set by the Mayor and Council of the City of Hattiesburg. Customers outside the corporate limits shall have a separate contract and shall be charged two times the monthly rate charged for sanitary sewer customers inside the corporate limits except for existing agreements prior to the date of this ordinance (Ord. 3077, sec. 1 10-4-11)

Effective September 1, 2016, this schedule includes the user charge as established herein and the charge for debt service and recovery of other costs, each based on volume of flow.

<u>Debt Service</u>	<u>Total O & M</u>	<u>Total</u>
Initial Increment \$1.39/1000 gal	\$2.83/1000 gal	\$4.22/1000 gal
Second Increment \$1.15/1000 gal	\$2.35/1000 gal	\$3.50/1000 gal

Note: Contractual sewer revenues (not based directly upon water volume) are attributed to debt service and O&M at 33% and 67%, respectively, based upon actual revenues collected. (Ord. 3109, sec.1 8-6-13; Ord. 3077, sec.1, 10-4-11; Ord. 3012, sec. 1, 9-02-08; Ord. 2892, sec.1, 12-6-05; Ord. 2683, sec. 1, 3-16-99)

Sec. 21-32. INDUSTRIAL WASTE SURCHARGE

A. In the event that a user discharges industrial waste to the sewage works having an average Biochemical Oxygen Demand (BOD) content in excess of 240 mg/l, and/or an average Suspended Solids (SS) content in excess of 300 mg/l, and/or an average Total Kjeldahl Nitrogen (TKN) content in excess of 30 mg/l, and/or an average grease content in excess of 100 mg/l, said industrial user shall pay a surcharge based upon the excess strength of their discharges. BOD, SS, and TKN may be increased by written approval of Director of Water and Sewer for limited periods of time if not in conflict with any pretreatment permits or other state or federal requirements.

B. Industrial user shall be defined as any non-governmental/ nonresidential user of the public sewage works which discharges more than the equivalent of 25,000 gallons per day (GPD) of sewage and which is identified in the Standard Industrial Classification Manual, 1972, Office of Management and Budget, as amended and supplemented under one of the following divisions:

Division A - Agriculture, Forestry, and Fishing
Division B - Mining
Division D - Manufacturing

Division E - Transportation, Communication, Electric, Gas, and Sanitary Service
Division I - Services

C. Any non-governmental user of the sewage works shall also be considered an industrial user if such user discharges to the Public Sewage system sewage which contains toxic pollutants, which, either singly or by interaction with other wastes, contaminates the sludge of any municipal systems; causes injuries; interfaces with any sewage treatment process; constitutes a hazard to humans or animals; creates a public nuisance; or creates any hazard in or adversely affects the waters receiving any discharge from the sewage works.

D. The costs of treatment of each pound of BOD, SS, TKN and grease removed by the sewage system shall be reviewed at the end of each fiscal year and appropriate surcharge rates applied to the sewage billing. These rates shall be in effect until the next annual rate review. These charges will be calculated by the Water and Sewer Director or the Director of Engineering, and said charges forwarded to the Water and Sewer Billing Office for appropriate billing.(Ord. 2817, sec. 1, 5-30-2003; Ord., 2546, sec.4, 2-20-96)

Sec. 21-33. METHOD OF BILLING SURCHARGE

1. The industrial waste surcharge shall be based on the following formula, with the total applied to the monthly bill of affected users:

$$\frac{\{A(E-240) + B(F-300) + C(G-30) + D(H-150)\}8.34}{1000 \text{ payment } (\$/\text{Mo})} \times I \times J = \text{Surcharge}$$

Where:

1. Surcharge Rate for BOD, in \$/Pound.
2. Surcharge Rate for SS, in \$/Pound.
3. Surcharge Rate for TKN, in \$/Pound.
4. Surcharge Rate for Grease, in \$/Pound.
5. Industrial User's BOD Concentration, in mg/l.
6. Industrial User's SS Concentration, in mg/l.
7. Industrial User's TKN Concentration, in mg/l.
8. Industrial User's Grease Concentration, in mg/l.
9. Industrial User's Flow to Sewage Works, in 1000 gallons/day.
10. Number of Days in Month

2. No reduction in sewage service charges, fees, or taxes shall be permitted because of the fact that certain industrial wastes discharged to the sewage works contain less than 240 mg/l of BOD, 300 mg/l of SS, 30 mg/l of TKN or less than 150 mg/l of grease.(Ord.2546, sec.5,2-20-96)

Article IV. Flow of Municipal Solid Waste

Sec. 21-34. Definitions – Solid Waste.

Municipal Solid Waste shall mean any non- hazardous solid waste resulting from the operation of residential, commercial, governmental, industrial or institutional establishments, except oil field exploration and production waste and sewage sludge.

Person shall mean a person as defined in sec17-17-3 of the Mississippi Code of 1972. (Ord. 2802, sec.2, 11-7-02; Ord. 2794, sec. 2, 7-16-02)

Sec. 21-35. Solid Waste.

All municipal solid waste generated within the geographic boundaries of the City of Hattiesburg, Mississippi, that is placed in the waste stream shall be transported to, stored and managed at the Pine Belt Regional Solid Waste Management Authority's landfill in Perry County, Mississippi, or at a transfer station owned by the Pine Belt Regional Solid Waste Management Authority. (Ord. 2802, sec. 2, 11-7-02; Ord. 2794, sec. 2, 7-16-02)

Sec. 21-36. Penalties – Solid Waste.

It shall be unlawful for any person to violate any provision of this ordinance. Such violation shall be a misdemeanor and shall be punishable by a fine or not more than one thousand dollars (\$1,000.00), or imprisonment for a term not exceeding ninety (90) days or both such fine and imprisonment at the direction of the municipal judge. If a violation is continuing, each day's violation be deemed a separate offense. (Ord. 2802, sec. 2, 11-7-02; Ord. 2794, sec. 7-16-02)

Sec. 21-37 –39 Reserved.

Article V. Discharge Waste to City Facilities by Portable Haulers

Sec. 21-40. Discharge Waste to City Facilities by Portable Haulers

A. Discharge Limits and Conditions

Portable waste haulers shall not discharge waste to the City facilities without written permission from the Director of Water and Sewer. No discharge to any City facility or any facility that discharges to the City is permitted except at the City's designated area. All wastewater pumpers shall have a valid City of Hattiesburg Domestic Wastewater Discharge Permit renewed annually. All discharges are subject to random testing to determine the chemical and/or bacteriological content of the discharge. Only domestic wastewater discharge is allowed. The discharge of fats, oils, or grease (F.O.G.), industrial wastewater, unusually high strength wastewater, hazardous waste or commercial wastewater into any City facility, collection system or any other system that is treated by the City is prohibited. (Ord. 3094, 10/2/12)

B. Insurance

All portable waste haulers shall provide the City's Water and Sewer Department with current valid certification, licensing, or permit as issued by the Mississippi State Board of Health, Mississippi Department Environmental Quality, and/or other federal, state, or county agency authorizing the pumping or hauling of domestic wastewater. Each hauler shall be insured for at least \$1,000,000 of combined single limit vehicle liability insurance. The insurance coverage shall cover all work performed by the wastewater hauler while transporting and discharging wastewater and shall include, but not be limited, to liability arising out of disposal of any hazardous waste, spilled material on public property, and fines, penalties, assessments, and/or damages, or any other costs incurred or imposed by the City as a result of the hauler's activities. (Ord. 3094, 10/2/12)

C. Discharge Area

The designated portable haulers' discharge area shall be secured at all times. No discharge is allowed without designated City personnel present during discharge. A minimum of 30 minutes notice to the Water and Sewer Department Office is required prior to arrival at the discharge area. Portable waste discharge is allowed only from 9:00 a.m. to 2:00 p.m., Monday through Friday. Portable waste discharge is prohibited on Official Holidays of the City of Hattiesburg. (Ord 3094, 10/2/12)

D. Certification of Contents

All haulers shall provide as a minimum for each load prior to discharging the following:

- Name of Company performing service;
- Date and time service performed;
- Unique vehicle/tank identifying information performing service;
- Name of driver delivering waste;
- Address of person or site for services performed;(Ord. 3094, 10/2/12)
- Type facility pumped (Septic Tank, Pump Chamber, ATS, Lift Station, Holding Tank, Portable Toilet, Grease Trap, Grease Interceptor, Sand Separator, Oil Separator, etc.) at each site;
- Volume in gallons pumped at each site;

- Certification that each load is fully compliant with the City's Sewage Disposal Ordinance and contains no prohibited or hazardous materials as defined in 40 CFR 261 or other;
- Signature of driver

E. Right of Refusal

The City shall have the right to refuse to accept the discharge of any hauled waste if in the opinion of the observing City personnel the waste does not meet the conditions under which the permit was granted. Discharge may be refused if in opinion of the observing City personnel that the waste could cause operational or maintenance problems to City's facility, are detrimental to the health of City employees or cause violations to the City's NPDES Permit or other City, State or Federal laws and regulations.

F. Payment for Discharging

Wastewater haulers shall pay an annual licensing fee of \$100, and in addition, thereto, such wastewater hauler shall pay a dumping fee for each load discharged. The fee for wastewater dumping shall be \$30 for each load less than 1000 gallons, \$40 for each load of 1000 gallons and \$10 per additional 1,000 gallons. All haulers shall provide certification for each tank's volume capacity. Fees shall be based on the tank's available capacity regardless of how full the tank is at time of discharge. Each hauler shall provide the City with valid road privilege information for each truck. Each hauler shall provide the City with unique identification numbers permanently applied for each tank.

G. Penalties/Fines/Damages

Any unauthorized discharge at the City's treatment facilities, the City's collection system or any other system that is treated by the City shall be result in the hauler prohibited from all future discharging into the City's system. The violation shall also be a misdemeanor punishable by a \$1000 fine and/or up to 60 days in jail per violation. The violator shall also be liable for all costs associated with the unauthorized discharge. Any discharge of waste in excess of the limits as described in other sections of the City's Chapter 21 Sewage Disposal Ordinance shall be a misdemeanor punishable by a \$1000 fine per violation. The violator shall also be liable for all costs associated with the unauthorized discharge.

H. Liability

The wastewater hauler shall assume all liability for any injuries or damages caused and/or incurred while on the City's property and hold the City harmless for such.(Ord. 3094)

Sec. 21-41. Grease Control

Purpose

The purpose of this ordinance is to control discharges of fats, oils or grease (F.O.G.), waste food and sand into the public sewerage collection or treatment system. FOG, waste food and sand interfere with the operation of the sewerage system and cause blockages in the system lines, NPDES violations and penalties and environmental damages. The discharge of fats, oils or grease (F.O.G.) into any City facility is prohibited. This ordinance establishes regulations for the sizing, installation, maintenance and operation of FOG, waste food and sand interceptors.

Definitions

- Black Water** - Waste water from sanitary fixtures such as toilets and urinals.
- Gray Water** - All wastewater other than "Black Water" as defined in this section of the Ordinance.
- Grease** - A waste material composed primarily from fats and oil of animal and vegetable origins. The terms fats, oil and grease as used in the ordinance shall be deemed as Grease by definition. Grease does not include petroleum-based products.
- Bulk Service Kitchen** - A facility that prepares bulk quantities of food, such as hospitals, schools or caterers.

- E. **Common Grease Interceptor** - A device that receives grease waste from more than one facility having different operators or types of operators.
- F. **Food Courts** - Areas in which multiple food preparation establishments having different owners may be sharing seating space and/or plumbing facilities.
- G. **Food Service Facility (FSF)** - Any facility whose operations include cutting, cooking, baking, preparing or serving food or which disposes of food related waste.
- H. **Garbage Grinder** - A device that chops, shreds or grinds up solid or semisolid waste materials into smaller portions for discharge into the sanitary sewer collection system.
- I. **Grease Interceptor** - A large tank or device designed and constructed to separate, trap and hold grease substances from the sewage discharge from a facility and to prevent them from entering the sanitary sewer collection system. Grease interceptors shall be located outside of food service facilities.
- J. **Grease Trap** - A small Grease Interceptor located inside a facility and typically mounted under sink. A container designed and constructed to separate, trap and hold fats, oil and grease that is placed under or near sinks or other facilities to prevent the discharge of these waste substances into the sanitary sewer collection system.
- K. **Hauler** - An individual or company who transfers waste from the site of a customer/waste producer/waste generator to an approved disposal or treatment facility.
- L. **Single Service Restaurant** - A restaurant or food service facility that serves meals only on throwaway plates, dishes and utensils.
- M. **Standard Restaurant** - A restaurant or food service facility that serves meals on plates, dishes and utensils that are washed and reused.
- N. **Multi-family Dwelling** - A classification of housing where multiple separate housing units for inhabitants are contained within one building or several buildings within one complex (apartments, duplexes, townhouses, condominiums, dorms, etc.).(Ord. 3094, 10/2/12)

Sec. 21-42. General Criteria

- A. **Installation Requirements for New Facilities.** All proposed or newly remodeled food service facilities or multi-family dwellings shall be required to install an approved, properly operated and maintained grease interceptor. No indoor grease traps will be acceptable.
- B. **Phased Implementation for Existing Facilities.** All existing food service facilities or multi-family dwellings shall conduct their operations in such a manner that grease originating at the facility is captured on the user's premises and then disposed of properly.
 - 1. The City will inspect each facility periodically or as necessary to assure that each facility is complying with the City's Sewage Disposal Ordinance.
 - 2. The City will identify and target "grease problem areas" in the wastewater collection system through maintenance records and emergency call outs for grease related sewer problems. All food service facilities and multi-family dwellings upstream of the identified areas will be subject to inspection.
 - 3. Following inspections, notifications will be sent to the inspected facilities contributing to the grease problem. The facility shall then submit to the City a plan to the City outlining measures to be implemented by the facility to become compliant. A follow-up inspection will be conducted to verify compliance with the Ordinance.
- C. **Prohibited Discharges.** Black water from food service facilities shall not be discharged into the grease interceptor unless specifically approved, in writing by the City. Multi-family dwelling black water discharge into grease interceptors is acceptable.
- D. **Floor Drains.** Only floor drains which discharge or have the potential to discharge grease shall be connected to the grease interceptor.

- E. **Garbage Grinders and Dishwashers.** It is recommended that solid food waste be disposed of through normal solid waste/garbage disposal procedures. The use of garbage grinders that discharge into the sanitary sewer is discouraged and shall be connected to the interceptors used.
- F. **Location.** A grease interceptor shall be installed and connected so that it is easily accessible for inspection, cleaning and removal of the intercepted grease at any time. Grease interceptors shall be installed outside of the building it serves. Location of grease interceptors shall be approved by the City. The preferred location is on the outside of an outside wall and upstream from the black water drain line.(Ord.3094)

Sec. 21-43. Design Criteria

- A. **Construction of Grease Interceptor.** Grease interceptors shall be constructed in accordance with City standards. A minimum of two compartments with a separation baffle and inlet and outlet fittings designed for grease retention are components. All interceptors are subject to written approval of the City.
- B. **Access.** All interceptors shall be constructed in a location outside the building they serve in such a manner that they are accessible for maintenance and inspection at all times. Two manholes shall be provided on each interceptor for access. The access shall be a minimum of one inch above the surrounding grade and shall consist of a cast iron frame and cover.
- C. **Load Bearing Capacity.** If the interceptor is located in an area subject to traffic or other loads, it shall be designed to have adequate load bearing capacity.
- D. **Inlet and Outlet Piping.** One inlet and outlet tee shall be provided for each grease interceptor. Wastewater shall enter the grease interceptor only through the inlet tee.
- E. **Grease Interceptor Sizing.** The required minimum size of an interceptor shall be determined by the City with no interceptor being less than 500 gallons. If the calculated required capacity is in excess of 1500 gallons, multiple units may be used in series.
- F. **Upgrades or Changes.** Changes or upgrades proposed to be made to any existing or new facility that affects grease discharge shall be reported to the City.(Ord. 3094, 10/2/12)

Sec. 21-44. Grease Interceptor Maintenance.

- A. **Cleaning and Pumping.** The user shall bear all expenses to maintain the grease interceptor. Grease interceptor maintenance shall include the removal of all contents including floating matter, wastewater and sludge. No waste shall be disposed of back into the interceptor it was removed from or any other interceptor. The interceptor shall be pumped out completely at each cleaning. A depth of solids measurement equal to or greater than one fourth of the interceptor's depth shall be considered to be in non-compliance.
- B. **Cleaning and Pumping Frequency.** The minimum frequency for pumping out of grease interceptors shall be monthly. Request to extend the cleaning schedule must be supported by maintenance records.
- C. **Disposal of Interceptor Waste.** Waste removed from interceptors shall be disposed of at a facility licensed to receive and process such waste. No waste removed from an interceptor shall be returned to any portion of the sanitary collection system.
- D. **Additives.** Any additive such as enzymes and bacteria introduced into the grease interceptor or buildings discharge line for the purpose of treating grease and/or sludge shall be reported on the user's maintenance record. The use of additives does not relieve the user from performing the maintenance requirements set forth herein.
- E. **Records.** A written record shall be maintained by each facility required to have a grease interceptor which confirms and tracks the pumping, hauling and disposal of waste collected from each interceptor. The user is required to utilize licensed disposal service providers. The user shall keep a copy of the service manifest from the hauler. The Log shall contain the date, time, disposal service provider, volume pumped, signature of user authorizing pumping, signature of service provider and disposal site. The Log shall be maintained for the previous two-year period. The Log shall be readily available for inspection by the City.(Ord. 3094, 10/2/12)

Sec. 21-45. Enforcement.

The enforcement of this Ordinance shall be by the administrative authority of the City of

Hattiesburg. Any user found to be in violation of the requirements of this Ordinance is subject to corrective action by the City which may include but not be limited to the following:

- A. **Notice of Violation.** Any user found to be in violation shall be issued a written notice detailing the infraction. The user shall submit a plan for the satisfactory correction of the deficiency within 14 days of the date of the notice.
- B. **Suspension of Service.** Water and wastewater services may be suspended to a user when deemed necessary by the City to prevent an actual or imminent discharge which:
 - 1. may present in the opinion of the City an endangerment to the public or environment;
 - 2. causes sanitary sewer overflows as a result of stoppages or requires excessive maintenance to be performed on the sanitary sewer system to prevent stoppages;
 - 3. causes a violation to any condition of the City's NPDES permits.

Any user notified of a suspension of water and sewer service shall immediately cease or eliminate discharge. If the user fails to voluntarily comply, the City may immediately terminate water and sewer service. Water and sewer services may be reinstated to the user when all conditions causing the suspension have been eliminated corrected and the reconnection fee has been paid. The user shall submit a statement to the City detailing the cause of the incident and state the action taken to prevent future occurrences. The statement shall be submitted within 14 days of the violation.

- C. **Administrative Penalty.** Any user determined to have violated any provision of this Ordinance may be assessed an administrative penalty not to exceed \$1000 per violation per day. Assessments may be added to the user's water and sewer account.
- D. **Request for Hearing and Appeal.** Any user subjected to a penalty, order or directive of the City of Hattiesburg issued under the provisions of this program is entitled to a hearing before the City Council. Such appeal or hearing shall be requested in writing within ten days of the issuance of the penalty, order or directive. The requested hearing shall be held in a timely manner and the affected user shall have the opportunity to be heard. The City shall issue a written response to the user requesting the hearing.(Ord. 3094, 10/2/12)

Sec. 21-46 – 21-49. Reserved.

The foregoing ordinance having been reduced to writing was introduced by Council member Carroll, seconded by Council member Naylor and was adopted by the following vote, to wit:

Yeas: Bradley
Carroll
Dryden
Naylor

Nays: None

Absent: Delgado

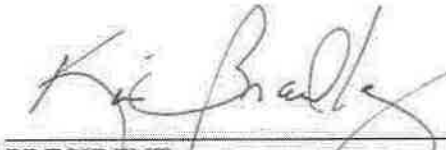
The president hereby declared the motion carried and the Ordinance adopted and approved on this the 14th day of September A.D., 2015.

(SEAL)

ATTEST:

ADOPTED:


CLERK OF COUNCIL

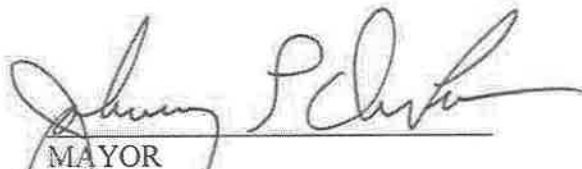

PRESIDENT

The above and foregoing Ordinance having been submitted to and approved by the Mayor this the 14th day of September, A.D., 2015.

ATTEST:

APPROVED:


CITY CLERK


MAYOR



City of Hattiesburg, MS

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

Master

File Number: 2018-470

File ID: 2018-470

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 05/14/2018

Brief Title: Authorize Mayor to execute agreement with Michael J. Villarreal.

Final Action: 05/22/2018

Minute Book Number: MB2018-132

Title:

Authorize Mayor to execute agreement in duplicate with Michael J. Villarreal for the donation of property required for the 38th Avenue Sidewalk project in return for certain considerations from the city as detailed in the agreement; Authorize City Clerk to record Warranty Deed with Forrest County.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-9

Sponsors:

Enactment Date:

Attachments: Villarreal-513, Villareal Agreement with deeds-signed by owner, executed Villareal Agreement with deeds-signed by owner, Fully executed Villareal Agreement with deeds-signed by owner

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/22/2018	Authorize				Pass
Action Text: A MOTION was made by Council Member George and seconded by Council Vice President Dryden to Authorize Mayor to execute agreement in duplicate with Michael J. Villarreal for the donation of property required for the 38th Avenue Sidewalk project in return for certain considerations from the city as detailed in the agreement; Authorize City Clerk to record Warranty Deed with Forrest County.							
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 2018-470

Title

Authorize Mayor to execute agreement in duplicate with Michael J. Villarreal for the donation of property required for the 38th Avenue Sidewalk project in return for certain considerations from the city as detailed in the agreement; Authorize City Clerk to record Warranty Deed with Forrest County.

Summary

Authorize Mayor to execute agreement with Michael J. Villarreal for the donation of property required for the 38th Avenue Sidewalk project; authorize City Clerk to record Warranty Deed with Forrest County.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

APPRAISAL OF PROPERTY AT

513 North 38th Avenue

HATTIESBURG, MS

LIGHTSEY & ASSOCIATES

P.O. Box 15489
Hattiesburg, MS 39404
(601) 584-6260

March 7, 2018

Mr. Lamar Rutland
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403

RE: Appraisal of property at 513 North 38th Avenue,
Hattiesburg, MS

Dear Mr. Rutland:

In accordance with the your request, I have made an inspection and investigation of the property located on 513 North 38th Avenue, Hattiesburg, Mississippi, for the purpose of forming an opinion of the Market Value, in fee simple, as of March 6, 2018 the effective date of the appraisal being the date the subject property was last inspected. The value opinion is both before and after the taking of a 1,064 square foot permanent easement (.02 acre) and a 151 square foot (.004 acre) temporary construction easement for a sidewalk and bike trail by the City of Hattiesburg and noting damages to the remainder, if any.

Market Value is defined as the most probable price in cash, terms equivalent to cash, or in other precisely revealed terms, for which the property will sell in an open and competitive market under all conditions requisite to a fair sale, with the buyer and seller each acting prudently, knowledgeably, and for self interest, and assuming that neither is under undue duress.

NEIGHBORHOOD DESCRIPTION

The subject property is north of Hardy Street, inside the city limits of Hattiesburg and is located between Highway 49 and Interstate 59 in what is known as the Midtown area, which contains the University of southern Mississippi. The general area contains a wide age range of properties that range from commercial/retail uses to single-family dwellings multi-family dwellings. The subject is in relative close proximity to public schools, shopping and employment centers, and medical facilities. This has been a viable area for many years and with the development of the new Midtown project underway and the continued presence of the University, the long term outlook is favorable.

SITE DESCRIPTION

The subject site is located on the easterly side of North 38th Avenue between Azalea Drive and West 4th Street. It has a frontage of 111 feet on the easterly side of North 38th Avenue and extends to a depth of 150 feet on one side and 189.2 feet on the other side. The rear line extends across for 73 feet. The site is irregular in shape and contains approximately 15,600 square feet. The site is at or above street grade, and appears to have adequate utility for use a commercial site. The property does not appear to lie in a designated flood area. All public utilities area connected or available to the site. A survey is included in the addenda of this report in order to assist the reader in visualizing the property. There were no adverse soil or subsoil conditions observed; however, no soil tests have been made as a part of this report. The property is zoned B-2 Neighborhood Business District, by the zoning authorities of the City of Hattiesburg. The City of Hattiesburg intends to take a 1,064 square foot permanent easement along the westerly side of the site for use as a sidewalk and bike trail. The easement will be 11.67 feet wide at the southerly end and will be 11.56 feet wide at the northerly end. A temporary construction easement of 151 square feet will taken for use during the construction period and returned to the owner upon completion of construction. Following the taking, the subject site will be effectively reduced in size to 14,536 square feet. Access and utility will remain essentially the same. The property owner will also be compensated for the temporary easement. It is the appraiser's opinion that there will be no damages to the remainder property.

IMPROVEMENTS DESCRIPTIONS

The subject property is presently improved with a single unit dwelling that has been converted to office space. It is presently 35 feet from the right of way of North 38th Avenue and after the taking of the easement, it will be located approximately 24 feet from the right of way. Traffic flow will remain at its present distance from the building. It is the appraiser's opinion that the taking will have no effect on the improvements, thus the building is given no consideration in this appraisal report.

PROPERTY HISTORY

The subject property appears to have been under the ownership of Michael Villarreal since 2002. The subject property is not known to be listed for sale nor under contract.

TAXES

The total taxes for the subject property for 2017 are \$1,667.56. The total true value (tax value) of the property is \$61,190.00 with an assessed value of \$9,179.00. According to the Forrest County Tax Assessor, 2017 taxes have been paid in full.

HIGHEST AND BEST USE

In order to estimate the Highest and Best Use of the subject, the surrounding property uses as well as the four tests of Highest and Best Use were considered. These are 1)physically possible, 2)legally permissible, 3)financially feasible, and 4)maximally productive. After considering these factors, the Highest and Best Use of the site as vacant is estimated to be for commercial development. The Highest and Best Use of the property as presently improved is estimated to be for use as office space.

INTENDED USE AND SCOPE OF THE APPRAISAL

This appraisal is intended to assist the client, Mr. Lamar Rutland of the City of Hattiesburg, in forming an opinion of value of the subject property both before and after the taking of a 1,064 square foot permanent easement and a 151 square foot temporary easement by the City for a sidewalk and bike trail. In preparing this appraisal, the appraiser inspected the subject site; gathered information on comparable land sales and listings, confirmed and analyzed the data and applied the Sales Comparison Approach to value. As only the land was considered in this appraisal, this was the only approach deemed applicable to the subject's valuation.

APPRAISAL PROCESS

In good appraisal practice, three approaches to value are normally used to arrive at a value conclusion for a given property. These approaches are the Sales Comparison Approach, the Cost Approach, and the Income Approach. The Sales Comparison Approach is based on deriving a value indication by comparing properties that have been sold recently to the subject property and adjusting the sales price of the comparables for any basic differences. The Income Approach considers the present value of the future benefits of income and ownership. To estimate the income potential of the subject, comparable rents are obtained and reconciled to the subject, then a deduction is made for anticipated expenses. The resulting net income is then capitalized into value using a rate supported by market data. The Cost Approach provides a value indicator based on the cost to reproduce the improvements less any observed depreciation. The value estimate of the land developed through the Sales Comparison Approach is then added to the depreciated value estimate of the Improvements. As noted above, the appraiser has utilized the Sales Comparison Approach only as the land only is considered in this appraisal report.

LAND SALES

The following vacant land sales were utilized to arrive at opinion of value for the subject site.

LAND SALE NO. 1

Location: 208 North 38th Avenue, Hattiesburg
Date: 03/15/2013
Price: \$221,000
Size: 22,500 sq ft
Price/SF: \$9.82
Zoning: B-3, Community Business District
Confirmation: London & Stetelman
Comments: Located just north of Hardy Street at North 38th and Montague Blvd.
Vacant site at sale. Present site of convenience store.

LAND SALE NO. 2

Location: North 40th Avenue at Montague Blvd., Hattiesburg
Date: 01/15/2016
Price: \$350,000
Size: 48,000 sq ft
Price/SF: \$7.29
Zoning: B-2, Neighborhood Business District
Confirmation: Kenneth R. West, Broker
Comments: Located just north of Hardy Street at North 40th and Montague Blvd.
Vacant site purchased for for construction of restaurant.

LAND SALE NO. 3

Location: 204 North 40th Avenue, Hattiesburg

Date: 09/18/2012

Price: \$155,000

Size: 15,683 sq ft

Price/SF: \$9.88

Zoning: B-2, Neighborhood Business District

Confirmation: London & Stetelman

Comments: Located just north of Hardy Street. Vacant site purchased for additional parking by Mugshots Bar & Grill.

LAND SALE NO. 4

Location: Lundy Lane, Hattiesburg

Date: 05/15/2013

Price: \$750,000

Size: 91,912 sq ft

Price/SF: \$8.16

Zoning: B-3, Community Business District

Confirmation: Associated Appraisers

Comments: Located just north of Hardy Street between North 40th Ave and Lundy Lane. Vacant site purchased for construction of La Quinta Hotel.

The above lot sales indicate an unadjusted range in value from \$8.16 to \$9.88 per square foot. All are in the subject market segment and occurred within the past six years. The subject area is virtually fully developed and there are very few vacant sites that are available for sale. Research of the market found these sales to be the most recent and relevant to the subject's valuation. After considering time, size, location, topography, and other pertinent factors, the value opinion of the subject site is \$9.00 per square foot. Thus the value of the subject is:

BEFORE VALUE

15,600 sf @ \$9.00 = \$140,400.00

AFTER VALUE

14,536 sf @ \$9.00 = \$130,824.00

151 sf @ \$4.50 = 830.00 (Temporary Easement)

\$131,654.00

Value Before Taking	\$140,400.00
Value After Taking	131,654.00
Damages	-0-
Just Compensation Due Owner	\$ 8,746.00

I appreciate the opportunity to prepare this appraisal report for you. Should you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely

Stan Lightsey

Stan Lightsey, SRA
Appraisal Institute

ADDENDA

APPRAISER'S CERTIFICATION

I certify that, to the best of my knowledge and belief:

- the statements contained in this report are true and correct.**
- the reported analyses, opinions, and conclusions are limited only by the reporting assumptions and limiting conditions and are my personal, impartial, and unbiased professional analyses, opinions, and conclusions.**
- I have no present or prospective interest in the property that is the subject of this report, and I have no personal interest with respect to the parties involved unless otherwise stated.**
- I have no bias with respect to the property that is the subject of this report or to the parties involved with this assignment.**
- my engagement in this assignment was not contingent upon developing or reporting predetermined results.**
- My compensation for completing this assignment is not contingent upon the developing or reporting of a predetermined value or a direction in value that favors the cause of the client, the amount of the value opinion, the attainment of a stipulated result, or the occurrence of a subsequent event directly related to the intended use of this appraisal.**
- no one provided significant appraisal assistance to the person signing this appraisal unless otherwise noted.**
- unless otherwise noted, the person signing this report has not performed an appraisal or rendered any other service regarding the subject property in the past three years.**
- The Appraisal Institute conducts a voluntary re-certification process for its designated members. I am currently certified under this program.**

Stan Lightsey

Stan Lightsey, SRA

UNDERLYING ASSUMPTIONS AND LIMITING CONDITIONS

This appraisal is subject to the following limiting conditions:

The legal description furnished is assumed to be correct.

No responsibility is assumed for matters of a legal character nor does the appraiser render any opinion as to title which is assumed to be good. All existing liens and encumbrances have been disregarded unless otherwise noted and the property is appraised as though free and clear and under responsible ownership and competent management.

The appraiser believes to be accurate the information provided by others; but assumes no responsibility for its accuracy.

Possession of this report, or a copy thereof, does not carry with it the right of publication, and neither all nor any part of the contents of this report may be disseminated to the public through media of any type nor may be used for any other purpose other than that specified in the engagement by the client without the previous written consent of the appraiser and client particularly as to the value conclusions, the identity of the appraiser or the firm with which he is employed, or to the SRA designation of The Appraisal Institute.

The appraiser will not be required to give testimony or appear in court by reason of this appraisal, with reference to the property in question, unless prior arrangements have been made.

The distribution of the total valuation in this report between land and improvements applies only under the existing program of utilization. The separate valuations for land and improvements must not be used in conjunction with any other appraisal and are invalid if so used.

Unless otherwise stated in this report, the existence of hazardous substances, including but not limited to asbestos, poly-chlorinated biphenyls, petroleum leakage, mold, or agricultural chemicals; which may or may not be present on the property, or other environmental conditions; were not called to the attention of nor did the appraiser become aware of such during the inspection of the property. The appraiser has no knowledge of the existence of such materials on or in the property unless otherwise stated. The appraiser is not an expert in the environmental field and is not qualified to test for such substances or conditions. If the presence of hazardous substances or environmental conditions may affect the value of the property, the value opinion is predicated on the assumption that there is no such condition in or on the property or in such proximity thereto that it would cause a loss in value. No responsibility is assumed for such conditions; nor for any expertise or knowledge required to discover them. The client is advised to retain an expert in the field of environmental impact on real estate if such conditions are suspected.

Location Map

Owner	Michael Villarreal					
Property Address	513 N 38th Ave					
City	Hattiesburg	County	Forrest	State	MS	Zip Code 39401
Client	City of Hattiesburg					



Owner	Michael Villarreal						
Property Address	513 N 38th Ave						
City	Hattiesburg	County	Forrest	State	MS	Zip Code	39401
Client	City of Hattiesburg						



Plat Map



Survey

LEGAL DESCRIPTION (Right-of-Way)

A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

Commence and Begin at the Northwest Corner of Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, said point also being a point on the eastern right-of-way boundary of North 38th Avenue, Thence run, South 77 degrees 23 minutes 02 seconds East for a distance of 11.56 feet; Thence run, South 24 degrees 01 minutes 35 seconds West for a distance of 53.25 feet to a point on a non-tangential curve; Thence run and along said curve to the left and having a delta of 02 degrees 16 minutes 04 seconds, having a radius of 435.77 feet, and a chord bearing of South 20 degrees 35 minutes 02 seconds West for a distance of 17.25 feet to a point on a non-tangential curve; Thence run and along said curve to the left having a delta of 02 degrees 56 minutes 31 seconds, having a radius of 485.24 feet, and a chord bearing of South 17 degrees 55 minutes 19 seconds West for a distance of 38.12 feet; Thence run, North 89 degrees 26 minutes 50 seconds West for a distance of 11.67 feet to a point on the eastern right-of-way boundary of said North 38th Avenue; Thence run and along said eastern right-of-way boundary, North 21 degrees 04 minutes 30 seconds East a distance of 110.88 feet back to the POINT OF BEGINNING. Said parcel contains 0.02 acres (1,064 square feet), more or less.

LEGAL DESCRIPTION (Temporary Construction Easement)

A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

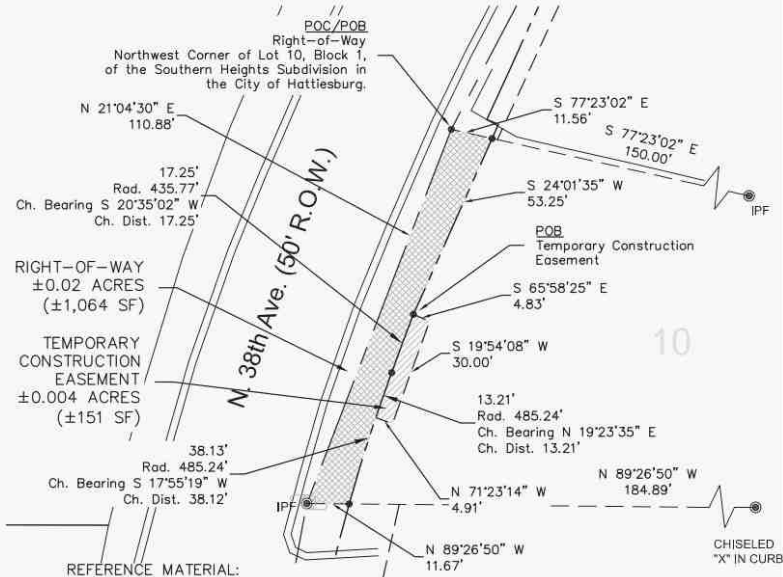
Commence at the Northwest Corner of Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, said point also being a point on the eastern right-of-way boundary of North 38th Avenue, Thence run, South 77 degrees 23 minutes 02 seconds East for a distance of 11.56 feet; Thence run, South 24 degrees 01 minutes 35 seconds West for a distance of 53.25 feet to a point on a non-tangential curve, said point also be the POINT OF BEGINNING; Thence run, South 65 degrees 58 minutes 25 seconds East for a distance of 4.83 feet; Thence run, South 19 degrees 54 minutes 08 seconds West for a distance of 30.00 feet; Thence run, North 71 degrees 23 minutes 14 seconds West for a distance of 4.91 feet to a point on a non-tangential curve; Thence run and along said curve to the right having a delta of 01 degree 33 minutes 37 seconds, having a radius of 485.24 feet, and a chord bearing of North 19 degrees 23 minutes 35 seconds East for a distance of 13.21 feet to a point on a non-tangential curve; Thence run and along said curve to the right having a delta of 02 degrees 16 minutes 04 seconds, having a radius of 435.77 feet, and a chord bearing of North 20 degrees 35 minutes 02 seconds East for a distance of 17.25 feet back to the POINT OF BEGINNING. Said parcel contains 0.004 acres (151 square feet), more or less.

NOTES:

1. Class "B" Survey.
2. North Based on Grid North.
3. No Additional Record Search for Easements was Conducted.
4. Date of Field Survey: Nov. 2, 2017.

LEGEND:

	RIGHT-OF-WAY
	TEMP. CONSTRUCTION EASEMENT
BK	BOOK
PG	PAGE
CTP	FOUND CRIMP-TOP PIPE
MPF	FOUND METAL PIPE
IPF	FOUND IRON ROD
•	SET 1/2" IRON REBAR



NORTH

GRAPHIC SCALE
0 20 40
(IN FEET)
1 INCH = 40 FEET

1. Plat for Southern Heights Subdivision in the City of Hattiesburg
2. Forrest County Tax Maps
3. Warranty Deed BK 899, PG 570

PRELIMINARY - PINS NOT SET

Clearpoint
CONSULTING ENGINEERS, P.A.

6652 US Highway 98 | Hattiesburg, MS 39402
t 601.261.2609 | f 601.261.5573 | clearpointengineers.com

Right-of-Way Survey

MICHAEL VILLARREAL
PPIN: 23997

PREPARED FOR: CITY OF HATTIESBURG

CCE NO.: 76242030

SCALE: 1" = 40'

DATE: 11/30/2017

CHECKED: RTB

DRAWN: JCR

SHEET 1 OF 1

Drawing Location: D:\76242030 - RTB - Laptop\Drawings\76242030-Survey.dwg

Forrest County Mississippi



Delta Computer Systems, Inc.

Property Link

FORREST COUNTY, MS

Current Date 3/ 6/2018

Tax Year 2017
Records Last Updated 3/ 6/2018

PROPERTY DETAIL
OWNER VILLARREAL MICHAEL J & ROBYN M **ACRES : **NA****
 P O BOX 16044 **LAND VALUE : 15890**
HATTIESBURG MS 39402 **IMPROVEMENTS : 45300**
TOTAL VALUE: 61190
ASSESSED : 9179

PARCEL 2-028E-06-099.00
ADDRESS 513 N 38TH AVENUE

TAX INFORMATION			
YEAR 2017	TAX DUE	PAID	BALANCE
COUNTY	607.56	607.56	0.00
CITY	489.98	489.98	0.00
SCHOOL	570.02	570.02	0.00
TOTAL	1667.56	1667.56	0.00

LAST PAYMENT DATE 1 / 4 / 2018

MISCELLANEOUS INFORMATION	
EXEMPT CODE	LEGAL LT 10 BLK 1
HOMESTEAD CODE None	PREV #:H0832-01-003
TAX DISTRICT 1110	SOUTHERN HEIGHTS SUB
PPIN 023997	
SECTION 06	
TOWNSHIP 04N	
RANGE 13W	B 0899 P 570 12/26/2002

Book 0899 **Page** 570

TAX SALES HISTORY, FOR UNPAID TAXES

Year	Sold To	Redeemed Date/By
NO TAX SALES FOUND		

[View Appraisal Record](#)
[Back](#)

[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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Richard & Thomas, PLLC
Attorneys at Law

132 Westover Drive
Hattiesburg, MS 39402

Stephen K. Thomas

(601)602-2457 phone
(601)602-2458 fax

September 25, 2017

Mr. Lamar Rutland
Engineering Department
City of Hattiesburg
P. O. Box 1898
Hattiesburg, MS 39403-1898

RE: TITLE OPINION -PPIN # 23997
Forrest County, Mississippi.

Dear Mr. Rutland:

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 preceding the date and time hereof, as the same pertains 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 MICHAEL J. VILLARREAL and wife ROBYN M VILLARREAL, subject only to the following:

1. A lien for the 2017 Forrest County and State 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.

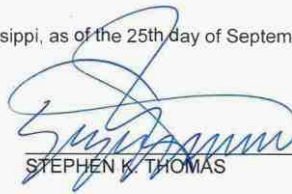
13. Subject to any unrecorded materialmen's or mechanic's liens.

14. Subject to any and all zoning ordinances and/or land use restrictions of applicable governmental unit.

From such examination and subject to the above mentioned exceptions, I am of the opinion that good and merchantable title is vested in MICHAEL J. VILLARREAL and wife ROBYN M VILLARREAL 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:

See Exhibit A:

SIGNED at Hattiesburg, Mississippi, as of the 25th day of September, A.D., 2017,
at 1:00 o'clock P.M.



STEPHEN K. THOMAS

RICHLAND TITLE, INC.
132 WESTOVER DRIVE
HATTIESBURG, MS 39402

GLASD R
B&P SI

INDEXING INSTRUCTIONS: Lot 10, Block 1, Southern Heights Subdivision, Forrest
County, Mississippi.

STATE OF MISSISSIPPI

COUNTY OF FORREST

STATE OF MISSISSIPPI
FORREST COUNTY
I CERTIFY THIS INSTRUMENT
WAS FILED AND RECORDED
2002 DEC 26 A 8:57
IN REC. BK. AND PAGE OR BOOK
FILE NO. AS SHOWN
WITNESS MY HAND AND SEAL
Chancery Clerk

WARRANTY DEED

FOR AND IN CONSIDERATION of the sum of Ten Dollars and 00/100 (\$10.00), cash in hand paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, We, **MERLENE B. BREAZEALE**, a single person, do hereby grant, bargain, sell, convey and warrant unto **MICHAEL J. VILLARREAL and wife, ROBYN M. VILLARREAL**, as joint tenants with rights of survivorship and not as tenants in common, the following described property, together with any and all improvements and appurtenances thereunto belonging, lying and being situated in Forrest County, Mississippi, to-wit:

Lot 10, Block 1 of the Southern Heights Subdivision of the City of Hattiesburg, Mississippi, as per map or plat now on file in the office of the Chancery Clerk of Forrest County, Mississippi.

Grantor and Grantee shall pro-rate county and city ad valorem taxes for 2002.

The above warranty and this conveyance is made subject to any and all valid and outstanding oil, gas and mineral leases, exceptions, reservations and conveyances.

The above warranty and this conveyance is made subject to any and all easements for public roads and public utilities as presently laid out, constructed or in use.

The above warranty and this conveyance is made subject to that certain agreement dated August 16, 1991, recorded in Book 659 at Page 49, in the office of the Chancery Clerk of Forrest County, Mississippi.

WITNESS MY SIGNATURE on this, the 16th day of Dec - 2002 A. D.,
2002.

Merlene B. Breazeale
MERLENE B. BREAZEALE

BOOK 0899 PAGE 570

Photograph Addendum

Owner	Michael Villarreal					
Property Address	513 N 38th Ave					
City	Hattiesburg	County	Forrest	State	MS	Zip Code 39401
Client	City of Hattiesburg					



View of Acquisition Area



View of Acquisition Area

Photograph Addendum

Owner	Michael Villarreal					
Property Address	513 N 38th Ave					
City	Hattiesburg	County	Forrest	State	MS	Zip Code 39401
Client	City of Hattiesburg					



View of North 38th Avenue

QUALIFICATIONS OF STAN LIGHTSEY, SRA

EDUCATION COMPLETED:

University of Southern Mississippi, B.S. Degree, 1974

Appraisal Institute:

The Future of Appraising, 1996
Highest and Best Use Applications, 1996
Environmental Issues, 1996
Appraising & the Internet, 1996
Litigation Skills, 1997
Attacking & Defending an Appraisal in Litigation, 1999
Appraising Partial Interests, 2000
Appraisal of Nonconforming Properties, 2000
Subdivision Analysis, 2001
Course 430, 2001
Special Purpose Properties, 2002
The Technology Assisted Appraiser, 2003
Course 400, 2003
Complex Residential Properties, 2004
Mathematically Modeling Real Estate Data, 2004
Professional's Guide to the URAR, 2005
Residential Sales Comparison Approach, 2005
USPAP Update, 2005
Appraising Environmentally Contaminated Properties, 2006
Appraising Manufactured Housing, 2007
Convenience Stores and Retail Fuel Concessions, 2008
Declining Markets and Sales Concessions, 2008
New Residential Market Conditions Form, 2009
Business Practices and Ethics, 2009
Appraising Distressed Commercial Real Estate, 2009
Market Conditions, 2009
Analyzing the Effects of Environmental Contamination on Real Property, 2010
USPAP Update, 2011
Quality Assurance in Residential Appraisals, 2011
The Lending World in Crisis, 2012
Curriculum Overview, 2013
Business Practice and Ethics, 2014
Supervising Appraisal Trainees, 2014
USPAP Update, 2014
Data Verification-2015
Appraising Convenience Stores-2015
New Technology for Appraisers-2016
Eminent Domain & Condemnation-2017
USPAP Update-2017

MEMBERSHIPS AND APPOINTMENTS:

SRA, The Appraisal Institute
SRA Admissions Committee, The Appraisal Institute
Assistant Regional Member, Review & Counseling Division, the Appraisal Institute
Offices held in Mississippi Chapter of Appraisal Institute:
President-1994
Vice President-1993
Secretary-1992
Director-Three separate terms, last ending in 2017

EMPLOYMENT HISTORY:

Spencer Murphree	1977-1979
Jack Gieger & Associates	1979-1984
Lightsey & Associates	1984-Present

PARTIAL CLIENT LIST:

BancorpSouth Bank	The First, ANBA
Regions Bank	Great Southern National Bank
Hancock Bank	Trustmark National Bank
Priority One Bank	Community Bank
Citizens' Bank	First Southern Bank
FNMA	FHLMC
City of Hattiesburg	City of Petal
City of Columbia	City of Lumberton
FDIC	MDOT
Navy Federal Credit Union	Keesler Federal Credit Union
Bankplus	Georgia Pacific
University of Southern Mississippi	William Carey University
Forrest General Hospital	Hattiesburg Clinic
Prudential	Cartus Corp.
Forrest County, MS	Lamar County, MS
Jeff Davis County, MS	Pearl River County, MS
U. S. Dept. of Justice	FBI
Ashland	

Qualified as expert witness in Special Courts of Eminent Domain, County Courts, Circuit Courts, Chancery Courts, and Federal District Court.

STATE OF MISSISSIPPI

COUNTY OF FORREST

AGREEMENT

THIS AGREEMENT is made and entered into as of the _____ day of _____, 2018, by and between **Michael J. Villarreal**, hereinafter referred to as "Owner," the owner of certain real property located at 513 North 38th Avenue, Hattiesburg, Mississippi, and the **City of Hattiesburg, Mississippi**, a municipal corporation, hereinafter referred to as "City," for the purpose of evidencing their agreement concerning the **38th Avenue Sidewalk Project** ("the Project") and the acquisition of easements and rights-of-ways for said Project.

WHEREAS, the City will be constructing a sidewalk along the east side of North 38th Avenue in Hattiesburg, Mississippi, and is in the process of acquiring property from landowners along North 38th Avenue to be able to construct said sidewalk; and

WHEREAS, the City has had the property it needs to acquire from Owner appraised by a licensed appraiser, Stan Lightsey, and the appraisal of Lightsey indicates that the damages to the Owner's property on North 38th Avenue as a result of the acquisition will be \$8,746.00; and

WHEREAS, Owner is willing to donate the property on North 38th Avenue to the City in return for the City reimbursing him for certain expenses related to the property acquisition by the City; and

WHEREAS, the City already has in its plans the installation and operation of a lift station near the intersection of Old Highway 11 and Oak Grove Road, which upon completion will provide a point of discharge for sewage from the Westhaven subdivision, in which Owner has an interest.

NOW THEREFORE, IN CONSIDERATION OF THE PREMISES the parties do agree as follows:

1. Owner shall execute and deliver to City a temporary construction easement in substantially the form attached as Exhibit "A".
2. Owner shall execute and deliver to City a Warranty Deed in substantially the form attached as Exhibit "B".

3. City reimburse Owner for the pro-rated portion of the 2018 ad valorem taxes for the portion 513 North 38th Avenue (being Forrest County Tax Parcel No. 2-028E-06-099.00, PPIN 23997) that is conveyed to the City by Warranty Deed. Owner will provide a copy of the 2018 property tax bill to the City Engineer, as soon as it becomes available. The following formula shall be used to calculate the City's share of the 2018 ad valorem tax bill:

$$\frac{\text{\# Square ft. in easement}}{\text{\# Square ft. in total property}} \times \text{\# Months City owned easement} = \text{Pro-rate Factor}$$

$$\text{Pro-rate Factor} \times \text{Total Property Tax} = \text{Amount due to Owner}$$

4. City will reimburse Owner up to \$3500.00 for the construction of a 20 X 20 foot concrete pad to allow for safe backing and exiting of his remaining property on North 38th Avenue.

5. City will reimburse Owner up to \$650.00 for repair of a broken sewer line and cleanup of 513 North 38th Avenue property.

6. City will follow through on its plans to construct and operate a lift station located near the intersection of Old Highway 11 and Oak Grove Road. This lift station will serve as a point of discharge of sewage for the Westhaven subdivision, in which Owner has an interest.

7. City agrees to use current North 38th Avenue setbacks for any future development Owner makes to the property, subject to the following stipulations:

a. This Agreement does not "run with the land," i.e., it is only for Owner's benefit and one "generation" beyond Owner—a future Grantee.

8. Owner understands that under Mississippi law the current City Council and City administration cannot bind a future City Council to a contract. However, a signed copy of this Agreement shall be placed in the City's files to serve as a reminder to future City Councils and City administration.

WITNESS THE SIGNATURES of the parties on this the _____ day of _____, A.D., 2018.

OWNER:



Michael J. Villarreal

CITY OF HATTIESBURG, MISSISSIPPI

Toby Barker, Mayor

(SEAL)

Exhibit A

Prepared by:

City of Hattiesburg
Engineering Department
Post Office Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4540

Return to:

City of Hattiesburg
Engineering Department
Post Office Box 1898
Hattiesburg MS 39403-1898
(601) 545-4540

INDEXING INSTRUCTIONS:

**Part of NW corner of Lot 10, Block 1
of the Southern Heights Subdivision
City of Hattiesburg
NW ¼ OF THE NW ¼
of Section 6, T-4-N, 13-W
Forrest County, Mississippi**

STATE OF MISSISSIPPI

County of Forrest

City of Hattiesburg

TEMPORARY CONSTRUCTION EASEMENT

For and in consideration of the sum of Ten Dollars (\$10.00), cash in hand paid, the receipt and sufficiency of all of which is hereby acknowledged and confessed, including the benefits to be derived herefrom, **MICHAEL J. AND ROBYN M. VILLARREAL**, do hereby grant and convey unto the CITY OF HATTIESBURG, MISSISSIPPI, a municipal corporation, a Temporary Construction Easement for the North 38th Avenue Sidewalk Project as hereinafter described, with full and free right, liberty and authority to enter upon and dig, construct and maintain incidental

construction. Said Temporary Construction Easement is located and situated in the City of Hattiesburg, Forrest County, Mississippi and more particularly described as follows, to-wit:

A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

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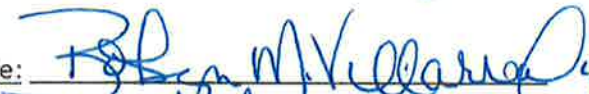
The Grantee, the City of Hattiesburg, Mississippi, is hereby given the right to do whatever may be necessary and proper for the enjoyment of the rights herein granted, including the right of ingress and egress and the right to clear said right of way above described of such trees and shrubs as may be necessary for the full enjoyment of the rights herein granted. This construction easement will revert to the Grantor upon completion of construction.

I/we fully understand that we have the right to receive just compensation for the real property herein described based on an appraisal of said property. I/we hereby waive our right to just compensation and donate the real property herein described to the City of Hattiesburg. I/We further understand that we have the right to request that a fair market value appraisal of the property be made and I/we hereby waive that right.

WITNESS THE SIGNATURE OF THE GRANTORS, on this 25th day of April, A.D., 2018.

Signature / Date: 

Print Name: MICHAEL J. VILLARREAL 4-25-18

Signature / Date:  4/25/18

Print Name: Robyn M. Villarreal

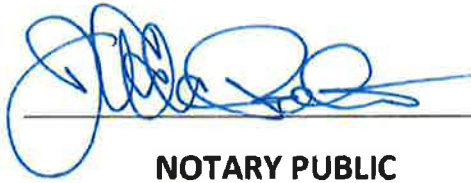
STATE OF MISSISSIPPI

County of Forrest

Personally appeared before me, the undersigned authority in and for the said county and state, on this 25th day of April, 2018, within my jurisdiction, the within named Michael S. Villarsreal and Robyn M. Villarsreal, who acknowledged that they executed the above and foregoing instrument.



(SEAL)


NOTARY PUBLIC

My commission expires: 7/22/18

LEGAL DESCRIPTION (Right-of-Way)

A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

Beginning at the Northwest Corner of Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, said point also being a point on the Eastern right-of-way of North 38th Avenue, thence run along the North line of Lot 10 South 77 degrees 23 minutes 02 seconds East for a distance of 11.56 feet; thence run South 24 degrees 01 minutes 35 seconds West for a distance of 53.25 feet to a point on a non-tangential curve; thence run 17.25 feet along said curve to the left having a delta of 02 degrees 16 minutes 04 seconds, a radius of 435.77 feet, a chord bearing of South 20 degrees 35 minutes 02 seconds West and a chord distance of 17.25 feet to a point on a non-tangential curve; thence run 38.13 feet along said curve to the left to the South line of Lot 10, said curve having a delta of 02 degrees 56 minutes 31 seconds, a radius of 485.24 feet, a chord bearing of South 17 degrees 55 minutes 19 seconds West and a chord distance of 38.12 feet; thence run along the South line of said Lot 10 North 89 degrees 26 minutes 50 seconds West for a distance of 11.67 feet to a point on the Eastern right-of-way of said North 38th Avenue; thence run along said right-of-way North 21 degrees 04 minutes 30 seconds East for a distance of 110.88 feet back to the POINT OF BEGINNING. Said parcel contains 0.02 acres (1,064 square feet), more or less.

LEGAL DESCRIPTION (Temporary Construction Easement)

Michael Villarreal PPIN 23997 LEGAL DESCRIPTION (Temporary Construction Easement) A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

Commencing at the Northwest Corner of Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, said point also being a point on the Eastern right-of-way of North 38th Avenue, thence run along the North line of Lot 10 South 77 degrees 23 minutes 02 seconds East for a distance of 11.56 feet; thence run South 24 degrees 01 minutes 35 seconds West for a distance of 53.25 feet to and for the POINT OF BEGINNING; thence run South 65 degrees 58 minutes 25 seconds East for a distance of 4.83 feet; thence run South 19 degrees 54 minutes 08 seconds West for a distance of 30.00 feet; thence run North 71 degrees 23 minutes 14 seconds West for a distance of 4.91 feet to a point on a non-tangential curve; thence run 13.21 feet along said curve to the right having a delta of 01 degree 33 minutes 37 seconds, a radius of 485.24 feet, a chord bearing of North 19 degrees 23 minutes 35 seconds East and a chord distance of 13.21 feet to a point on a non-tangential curve; thence run 17.25 feet along said curve to the right back to the POINT OF BEGINNING, said curve having a delta of 02 degrees 16 minutes 04 seconds, a radius of 435.77 feet, a chord bearing of North 20 degrees 35 minutes 02 seconds East and a chord distance of 17.25 feet. Said parcel contains 0.004 acres (151 square feet), more or less.

NOTES:

1. Class "B" Survey.
2. No Additional Record Search for Easements was Conducted.
3. Date of Field Survey: Nov. 2, 2017.
4. Orientation is based on GPS observation, Grid North, as referenced to MS State Plane Coordinate System, East Zone.

REFERENCE MATERIAL:

1. Plat for Southern Heights Subdivision in the City of Hattiesburg
2. Forrest County Tax Maps
3. Warranty Deed BK 899, PG 570

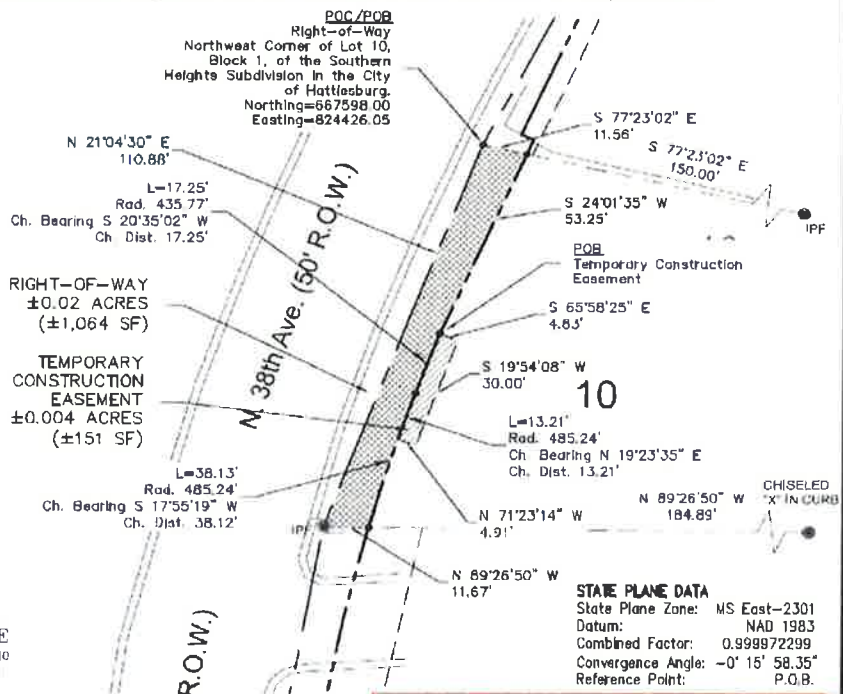
LEGEND:

- RIGHT-OF-WAY
 TEMP. CONSTRUCTION EASEMENT

- BK BOOK
PG PAGE
CTP FOUND CRIMP-TOP PIPE
MPF FOUND METAL PIPE
IPF FOUND IRON ROD
SET J IRON REBAR
POB POINT OF BEGINNING
POC POINT OF COMMENCEMENT
UTILITY POLE
MONUMENT FOUND

GRAPHIC SCALE

0 20 40
(IN FEET)
1 INCH = 40 FEET



STATE PLANE DATA
State Plane Zone: MS East-2301
Datum: NAD 1983
Combined Factor: 0.999972299
Convergence Angle: -0° 15' 58.35"
Reference Point: P.O.B.

Clearpoint
CONSULTING ENGINEERS, P.A.

6652 US Highway 98 | Hattiesburg, MS 39402
t 601.261.2609 | f 601.261.5573 | clearpointengineers.com

Right-of-Way Survey

MICHAEL VILLARREAL
PPIN: 23997

PREPARED FOR: CITY OF HATTIESBURG

CCE NO.: 76242030

SCALE: 1" = 40'

DATE: 11/30/2017

CHECKED: RTB

DRAWN: JCR

SHEET 1 OF 1

Exhibit B

Prepared by:

City of Hattiesburg
Engineering Department
Post Office Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4540

Return to:

City of Hattiesburg
Engineering Department
Post Office Box 1898
Hattiesburg MS 39403-1898
(601) 545-4540

INDEXING INSTRUCTIONS:

Part of Lot 10, Block 1
of the Southern Heights Subdivision
City of Hattiesburg
NW ¼ of the NW ¼
of Section 6, T-4-N, 13-W
Forrest County, Mississippi

STATE OF MISSISSIPPI
COUNTY OF FORREST

WARRANTY DEED

FOR AND IN CONSIDERATION of the sum of Ten Dollars, (\$10.00), cash in hand paid, and other good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, I,

MICHAEL J. AND ROBYN M. VILLARREAL

P. O. Box 16044

Hattiesburg, MS 39402

Telephone 601-467-2148

Grantor, do hereby grant, bargain, sell, convey and warrant unto

THE CITY OF HATTIESBURG, MISSISSIPPI

200 Forrest Street

Post Office Box 1898

Hattiesburg, MS 39403-1898

Telephone (601) 545-4540

Grantee, the following described property lying and being situated in Hattiesburg, Forrest County, Mississippi, and more particularly described on Exhibit A attached hereto:

(SEE EXHIBIT "A")

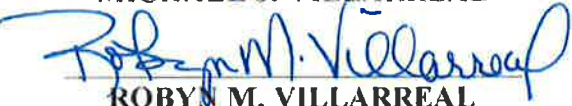
Forrest County
Tax Parcel No.: 2-028E-06-099.00
PPIN: 23997

Said property is not a part of the homestead of the grantors.

The Property is conveyed subject to all easements, roadways, servitudes, restrictive covenants and oil, gas and other mineral reservations, exceptions, conveyances, leases and other matters of record.

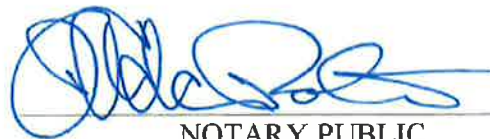
It is further understood and agreed that this instrument constitutes the entire agreement between the Grantor and the Grantee, there being no oral agreements or representations of any kind.

WITNESS MY SIGNATURE on this the 25th day of APRIL, 2018.

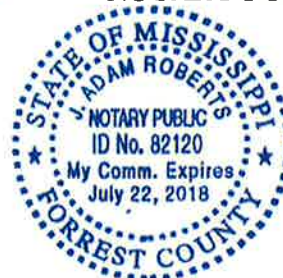

MICHAEL J. VILLARREAL

ROBYN M. VILLARREAL

STATE OF MISSISSIPPI
COUNTY OF Forrest

Personally appeared before me, the undersigned authority in and for the said county and state, on this 25th day of April, 2018, within my jurisdiction, the within named, **MICHAEL J. VILLARREAL and ROBYN M. VILLARREAL**, who acknowledged that they executed the above and foregoing instrument.


NOTARY PUBLIC

My Commission Expires: 7/22/18



LEGAL DESCRIPTION (Right-of-Way)

A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

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Michael Villarreal PPIN 23997 LEGAL DESCRIPTION (Temporary Construction Easement) A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

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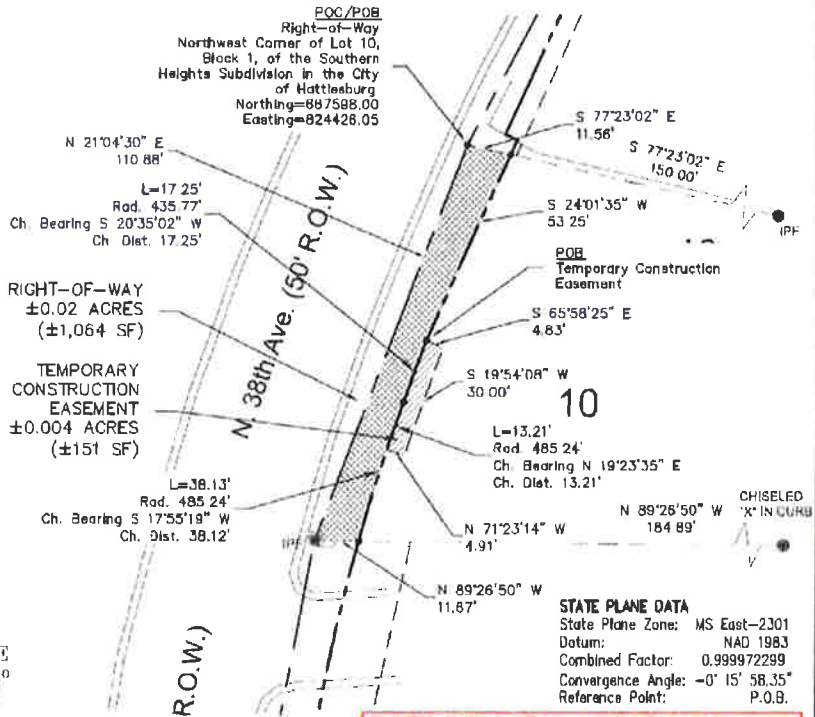
LEGEND:

- | | |
|-----|-----------------------------|
| | RIGHT-OF-WAY |
| | TEMP. CONSTRUCTION EASEMENT |
| BK | BOOK |
| PG | PAGE |
| CTP | FOUND CRIMP-TOP PIPE |
| MPF | FOUND METAL PIPE |
| IPF | FOUND IRON ROD |
| • | SET 1" IRON REBAR |
| • | POINT OF BEGINNING |
| • | POINT OF COMMENCEMENT |
| • | UTILITY POLE |
| • | MONUMENT FOUND |

GRAPHIC SCALE

(IN FEET)
1 INCH = 40 FEET

NORTH



STATE PLANE DATA
State Plane Zone: MS East-2301
Datum: NAD 1983
Combined Factor: 0.999972299
Convergence Angle: -0° 15' 58.35"
Reference Point: P.O.B.

PRELIMINARY - PINS NOT SET

Clearpoint
CONSULTING ENGINEERS, P.A.

6652 US Highway 98 | Hattiesburg, MS 39402
t: 601.261.2609 | f: 601.261.5573 | clearpointengineers.com

Right-of-Way Survey

MICHAEL VILLARREAL
PPIN: 23997

PREPARED FOR: CITY OF HATTIESBURG

CCE NO.: 76242030

SCALE: 1" = 40'

DATE: 11/30/2017

CHECKED: RTB

DRAWN: JCR

SHEET 1 OF 1

Forrest County
Tax Parcel No.: 2-028E-06-099.00
PPIN: 23997

EXHIBIT "A"

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STATE OF MISSISSIPPI

COUNTY OF FORREST

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8. Owner understands that under Mississippi law the current City Council and City administration cannot bind a future City Council to a contract. However, a signed copy of this Agreement shall be placed in the City's files to serve as a reminder to future City Councils and City administration.

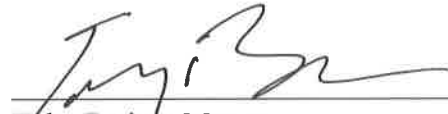
WITNESS THE SIGNATURES of the parties on this the _____ day of _____, A.D., 2018.

OWNER:



Michael J. Villarreal

CITY OF HATTIESBURG, MISSISSIPPI



Toby Barker, Mayor

(SEAL)

Exhibit A

Prepared by:

City of Hattiesburg
Engineering Department
Post Office Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4540

Return to:

City of Hattiesburg
Engineering Department
Post Office Box 1898
Hattiesburg MS 39403-1898
(601) 545-4540

INDEXING INSTRUCTIONS:

**Part of NW corner of Lot 10, Block 1
of the Southern Heights Subdivision
City of Hattiesburg
NW ¼ OF THE NW ¼
of Section 6, T-4-N, 13-W
Forrest County, Mississippi**

STATE OF MISSISSIPPI

County of Forrest

City of Hattiesburg

TEMPORARY CONSTRUCTION EASEMENT

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construction. Said Temporary Construction Easement is located and situated in the City of Hattiesburg, Forrest County, Mississippi and more particularly described as follows, to-wit:

A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

Commencing at the Northwest Corner of Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, said point also being a point on the Eastern right-of-way of North 38th Avenue, thence run along the North line of Lot 10 South 77 degrees 23 minutes 02 seconds East for a distance of 11.56 feet; thence run South 24 degrees 01 minutes 35 seconds West for a distance of 53.25 feet to and for the POINT OF BEGINNING; thence run South 65 degrees 58 minutes 25 seconds East for a distance of 4.83 feet; thence run South 19 degrees 54 minutes 08 seconds West for a distance of 30.00 feet; thence run North 71 degrees 23 minutes 14 seconds West for a distance of 4.91 feet to a point on a non-tangential curve; thence run 13.21 feet along said curve to the right having a delta of 01 degree 33 minutes 37 seconds, a radius of 485.24 feet, a chord bearing of North 19 degrees 23 minutes 35 seconds East and a chord distance of 13.21 feet to a point on a non-tangential curve; thence run 17.25 feet along said curve to the right back to the POINT OF BEGINNING, said curve having a delta of 02 degrees 16 minutes 04 seconds, a radius of 435.77 feet, a chord bearing of North 20 degrees 35 minutes 02 seconds East and a chord distance of 17.25 feet. Said parcel contains 0.004 acres (151 square feet), more or less.

The Grantee, the City of Hattiesburg, Mississippi, is hereby given the right to do whatever may be necessary and proper for the enjoyment of the rights herein granted, including the right of ingress and egress and the right to clear said right of way above described of such trees and shrubs as may be necessary for the full enjoyment of the rights herein granted. This construction easement will revert to the Grantor upon completion of construction.

I/we fully understand that we have the right to receive just compensation for the real property herein described based on an appraisal of said property. I/we hereby waive our right to just compensation and donate the real property herein described to the City of Hattiesburg. I/We further understand that we have the right to request that a fair market value appraisal of the property be made and I/we hereby waive that right.

WITNESS THE SIGNATURE OF THE GRANTORS, on this 25th day of April, A.D., 2018.

Signature / Date: 

Print Name: MICHAEL J. VILLARREAL 4-25-18

Signature / Date:  4/25/18

Print Name: Robyn M. Villarreal

STATE OF MISSISSIPPI

County of Forrest

Personally appeared before me, the undersigned authority in and for the said county and state, on this 25th day of April, 2018, within my jurisdiction, the within named Michael S. Villarreal and Robyn M. Villarreal, who acknowledged that they executed the above and foregoing instrument.



(SEAL)

A handwritten signature in blue ink, appearing to be "Adam Roberts", written over a horizontal line.

NOTARY PUBLIC

My commission expires: 7/22/18

LEGAL DESCRIPTION (Right-of-Way)

A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

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LEGAL DESCRIPTION (Temporary Construction Easement)

Michael Villarreal PPIN 23997 LEGAL DESCRIPTION (Temporary Construction Easement) A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

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NOTES:

1. Class "B" Survey.
2. No Additional Record Search for Easements was Conducted.
3. Date of Field Survey: Nov. 2, 2017
4. Orientation is based on GPS observation, Grid North, as referenced to MS State Plane Coordinate System, East Zone

REFERENCE MATERIAL:

1. Plat for Southern Heights Subdivision in the City of Hattiesburg
2. Forrest County Tax Maps
3. Warranty Deed BK 899, PG 570

LEGEND:

	RIGHT-OF-WAY
	TEMP. CONSTRUCTION EASEMENT
BK	BOOK
PG	PAGE
CTP	FOUND CRIMP-TOP PIPE
MPF	FOUND METAL PIPE
IPF	FOUND IRON ROD
•	SET 1/2" IRON REBAR
•	POINT OF BEGINNING
•	POINT OF COMMENCEMENT
•	UTILITY POLE
•	MONUMENT FOUND

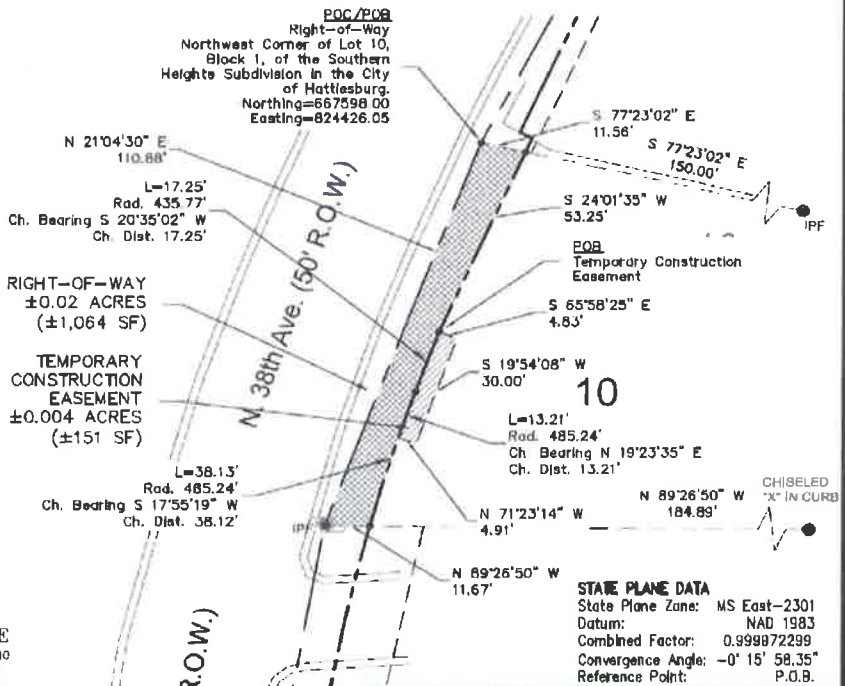
GRAPHIC SCALE

0 20 40

(IN FEET)

1 INCH = 40 FEET

NORTH



STATE PLANE DATA
State Plane Zone: MS East-2301
Datum: NAD 1983
Combined Factor: 0.999872299
Convergence Angle: -0° 15' 58.35"
Reference Point: P.O.B.

PRELIMINARY - PINS NOT SET

Clearpoint
CONSULTING ENGINEERS, P.A.

6652 US Highway 98 | Hattiesburg, MS 39402
t 601.261.2609 | f 601.261.5573 | clearpointengineers.com

Right-of-Way Survey

MICHAEL VILLARREAL
PPIN: 23997

PREPARED FOR: CITY OF HATTIESBURG

CCE NO.: 76242030

SCALE: 1" = 40'

DATE: 11/30/2017

CHECKED: RTB

DRAWN: JCR

SHEET 1 OF 1

Exhibit B

Prepared by:
City of Hattiesburg
Engineering Department
Post Office Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4540

Return to:
City of Hattiesburg
Engineering Department
Post Office Box 1898
Hattiesburg MS 39403-1898
(601) 545-4540

INDEXING INSTRUCTIONS:

Part of Lot 10, Block 1
of the Southern Heights Subdivision
City of Hattiesburg
NW ¼ of the NW ¼
of Section 6, T-4-N, 13-W
Forrest County, Mississippi

STATE OF MISSISSIPPI
COUNTY OF FORREST

WARRANTY DEED

FOR AND IN CONSIDERATION of the sum of Ten Dollars, (\$10.00), cash in hand paid, and other good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, I,

MICHAEL J. AND ROBYN M. VILLARREAL

P. O. Box 16044

Hattiesburg, MS 39402

Telephone 601-467-2148

Grantor, do hereby grant, bargain, sell, convey and warrant unto

THE CITY OF HATTIESBURG, MISSISSIPPI

200 Forrest Street

Post Office Box 1898

Hattiesburg, MS 39403-1898

Telephone (601) 545-4540

LEGAL DESCRIPTION (Right-of-Way)

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NOTES:

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4. Orientation is based on GPS observation, Grid North, as referenced to MS State Plane Coordinate System, East Zone

REFERENCE MATERIAL:

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LEGEND:

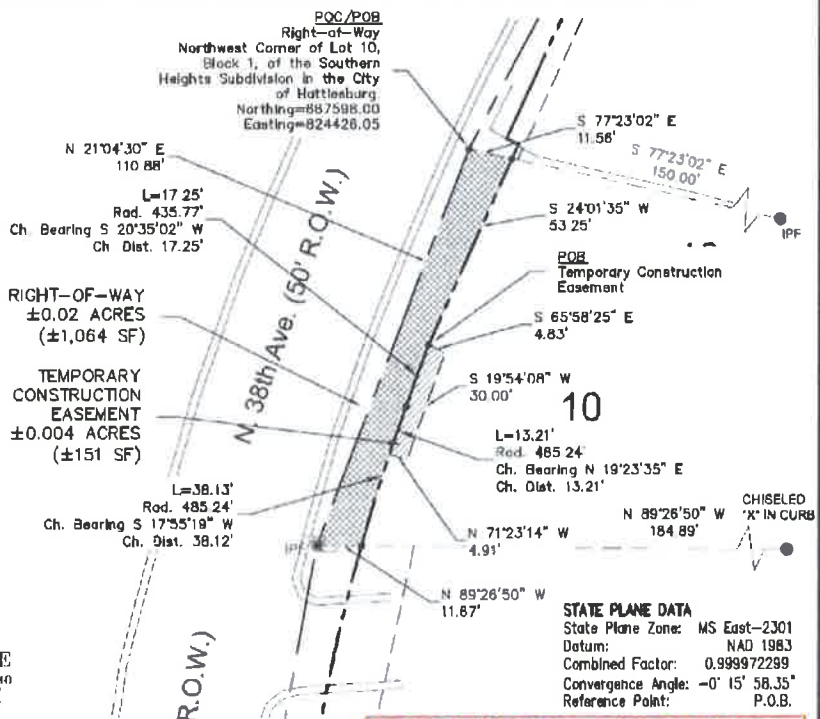
- | | |
|---|-----------------------------|
|  | RIGHT-OF-WAY |
|  | TEMP. CONSTRUCTION EASEMENT |
| BK | BOOK |
| PG | PAGE |
| CTP | FOUND CRIMP-TOP PIPE |
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| • | SET 1" IRON REBAR |
| POB | POINT OF BEGINNING |
| POC | POINT OF COMMENCEMENT |
| U | UTILITY POLE |
| ● | MONUMENT FOUND |

GRAPHIC SCALE

(IN FEET)

1 INCH = 40 FEET

NORTH



Clearpoint
CONSULTING ENGINEERS, P.A.

6652 US Highway 98 | Hattiesburg, MS 39402
t 601.261.2609 | f 601.261.5573 | clearpointengineers.com

Right-of-Way Survey

MICHAEL VILLARREAL
PPIN: 23997

PREPARED FOR: CITY OF HATTIESBURG

CCE NO.: 76242030

SCALE: 1" = 40'

DATE: 11/30/2017

CHECKED: RTB

DRAWN: JCR

SHEET 1 OF 1

Forrest County
Tax Parcel No.: 2-028E-06-099.00
PPIN: 23997

EXHIBIT "A"

LEGAL DESCRIPTION

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NOTICE TO THE USER:

THIS DRAWING, INCLUDING ANY AND ALL NOTATIONS, IS THE PROPERTY OF NEEL-SCHAFER AND SHALL BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF NEEL-SCHAFER. ANY VIOLATION OF THIS NOTICE SHALL BE SUBJECT TO LEGAL ACTION.

NO.	DATE	BY	REVISION
1	01/15/20	MM	ISSUED FOR PERMIT
2	02/10/20	MM	REVISED TO ADD NOTES
3	03/05/20	MM	REVISED TO ADD NOTES
4	04/01/20	MM	REVISED TO ADD NOTES
5	05/01/20	MM	REVISED TO ADD NOTES
6	06/01/20	MM	REVISED TO ADD NOTES
7	07/01/20	MM	REVISED TO ADD NOTES
8	08/01/20	MM	REVISED TO ADD NOTES
9	09/01/20	MM	REVISED TO ADD NOTES
10	10/01/20	MM	REVISED TO ADD NOTES
11	11/01/20	MM	REVISED TO ADD NOTES
12	12/01/20	MM	REVISED TO ADD NOTES

38TH AVENUE PATHWAY

CITY OF HATTIESBURG

HATTIESBURG, MS

FORREST COUNTY

NEEL-SCHAFER

Solutions you can build upon.

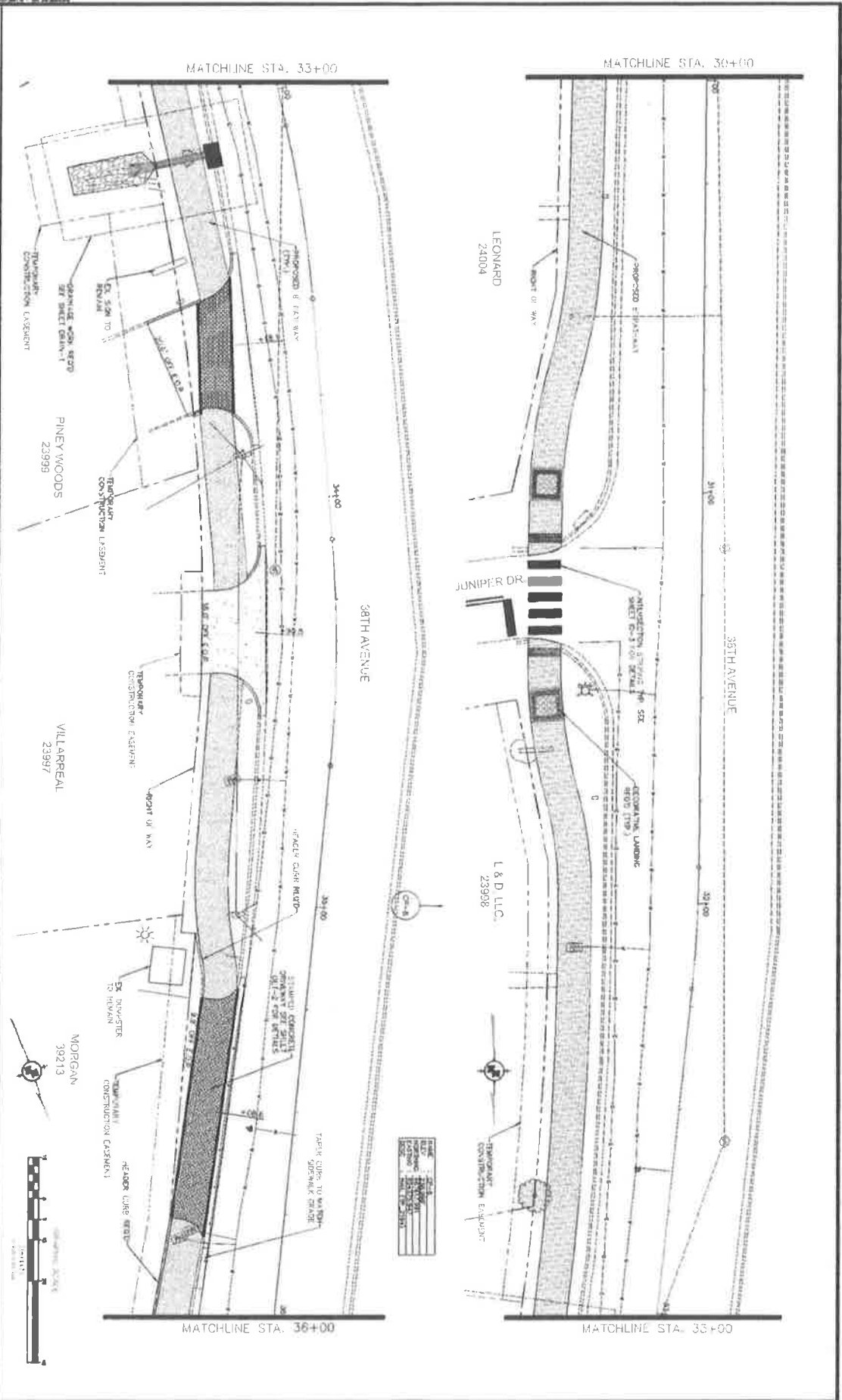
WORKING DRAWING

PP-6

38TH AVENUE

STA 33+00 TO 36+00

DRAWING NUMBER



Prepared by:

City of Hattiesburg
Engineering Department
Post Office Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4540

Return to:

City of Hattiesburg
Engineering Department
Post Office Box 1898
Hattiesburg MS 39403-1898
(601) 545-4540

INDEXING INSTRUCTIONS:

Part of Lot 10, Block 1
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City of Hattiesburg
NW ¼ of the NW ¼
of Section 6, T-4-N, 13-W
Forrest County, Mississippi

STATE OF MISSISSIPPI
COUNTY OF FORREST

WARRANTY DEED

FOR AND IN CONSIDERATION of the sum of Ten Dollars, (\$10.00), cash in hand paid, and other good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, I,

MICHAEL J. AND ROBYN M. VILLARREAL

P. O. Box 16044

Hattiesburg, MS 39402

Telephone 601-467-2148

Grantor, do hereby grant, bargain, sell, convey and warrant unto

THE CITY OF HATTIESBURG, MISSISSIPPI

200 Forrest Street

Post Office Box 1898

Hattiesburg, MS 39403-1898

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REFERENCE MATERIAL:

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LEGEND:

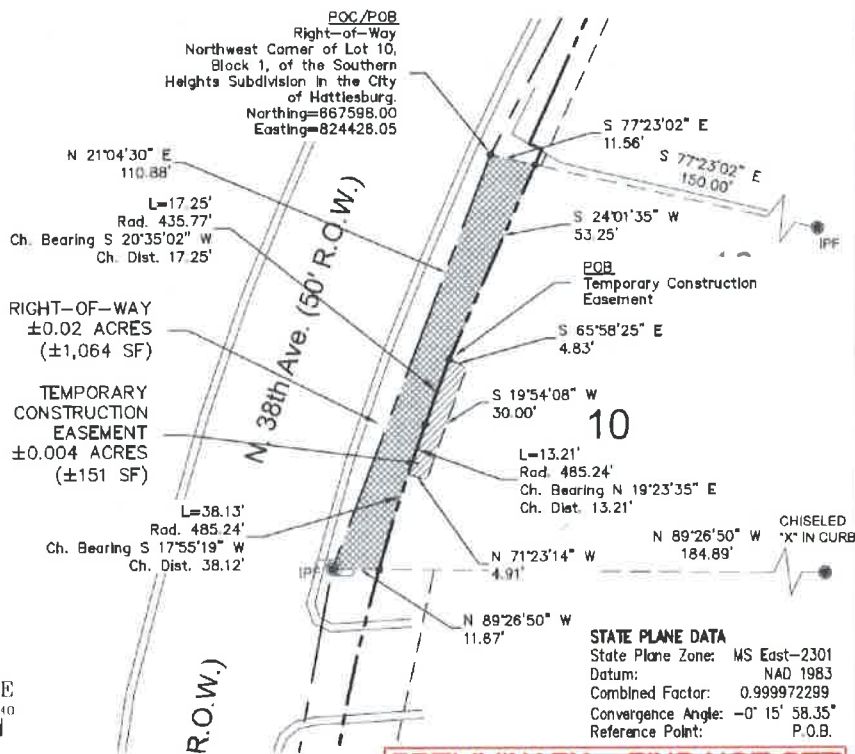
- RIGHT-OF-WAY
- TEMP. CONSTRUCTION EASEMENT

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- POC POINT OF COMMENCEMENT
- UTILITY POLE
- MONUMENT FOUND

GRAPHIC SCALE

0 20 40
(IN FEET)
1 INCH = 40 FEET

NORTH



STATE PLANE DATA

State Plane Zone: MS East-2301
Datum: NAD 1983
Combined Factor: 0.999972299
Convergence Angle: -0° 15' 58.35"
Reference Point: P.O.B.

Clearpoint
CONSULTING ENGINEERS, P.A.

6652 US Highway 98 | Hattiesburg, MS 39402
t 601.261.2609 | f 601.261.5573 | clearpointengineers.com

Right-of-Way Survey

MICHAEL VILLARREAL
PPIN: 23997

PREPARED FOR: CITY OF HATTIESBURG

CCE NO.: 76242030

SCALE: 1" = 40'

DATE: 11/30/2017

CHECKED: RTB

DRAWN: JCR

SHEET 1 OF 1

Drawing Number 9176242030 - RTB Laptop Version (dgn:76242030-Survey.dgn)

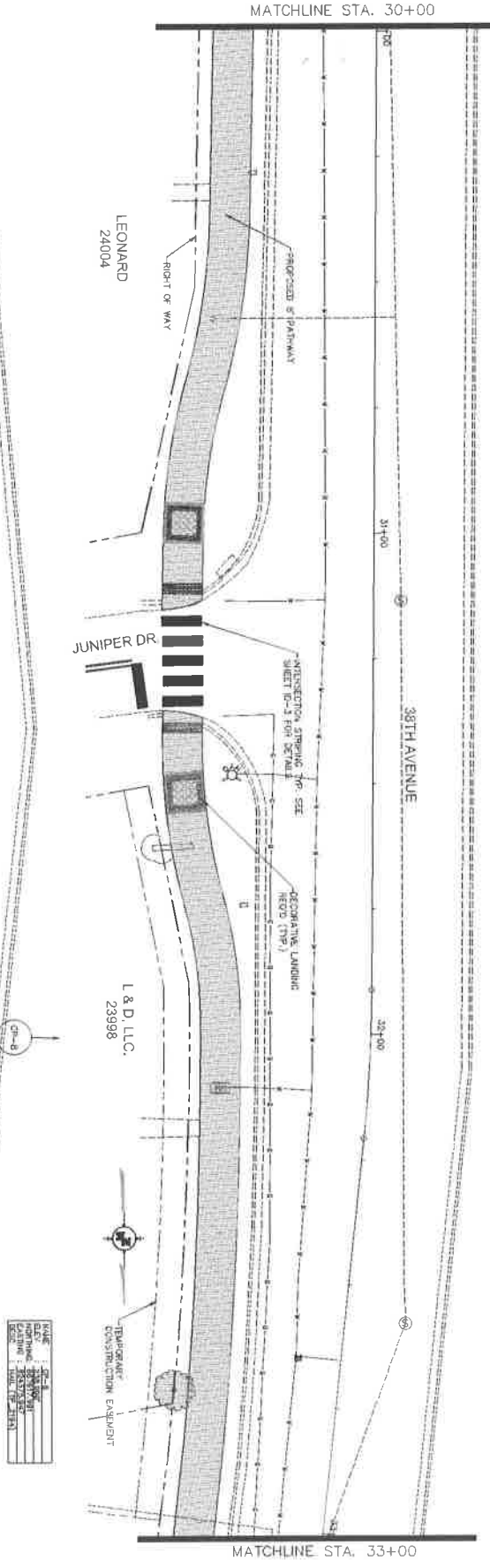
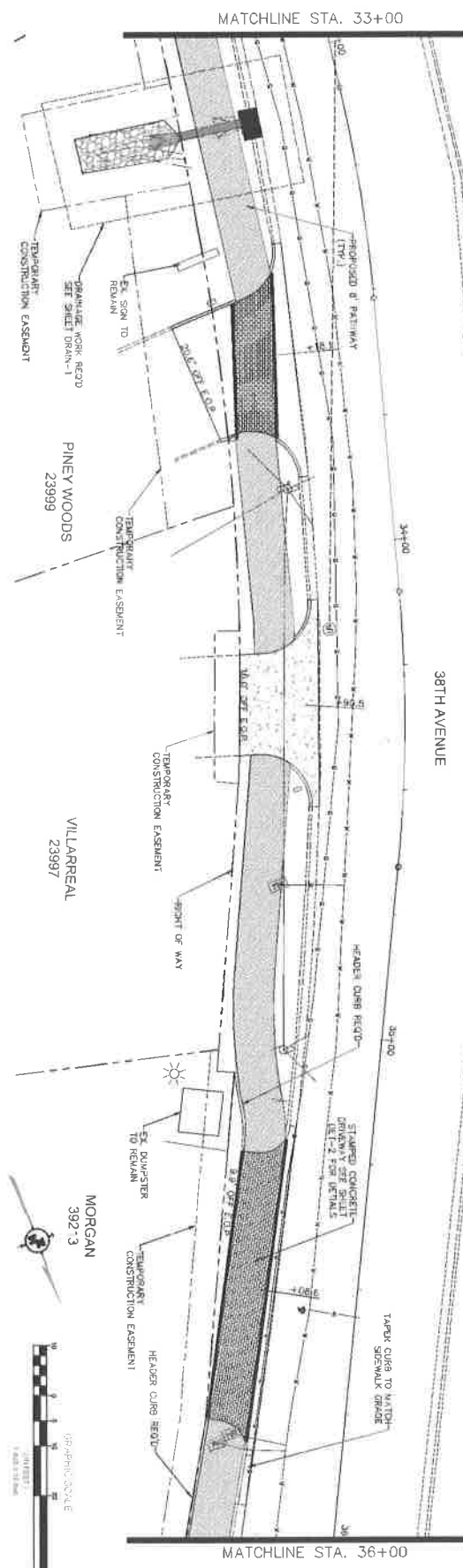
NOTE: THE DRAWING HAS BEEN
 NEEL-SCHAFFER, INC. HAS BEEN PREPARED TO AS THE
 ENGINEER HAS PROVIDED AND FORWARDED THE DRAWING TO THE
 NOT BE USED OR REPRODUCED IN ANY MANNER OR ON ANY OTHER
 PROJECT. ANY REUSE OF THIS DRAWING WITHOUT WRITTEN
 PERMISSION OF NEEL-SCHAFFER, INC. IS PROHIBITED.
 REQUESTS FOR REUSE OF THIS DRAWING SHALL BE MADE
 THROUGH THE ENGINEER. ALL CLAIMS, DAMAGES, LOSSES AND
 REASONABLE ATTORNEY'S FEES ARISING OUT OF OR
 RESULTING THEREFROM.

NO.	DATE	BY	REVISION
1	06/20/2017	MM	PROPOSED
2	06/20/2017	MM	REVISIONS
3	06/20/2017	MM	REVISIONS
4	06/20/2017	MM	REVISIONS
5	06/20/2017	MM	REVISIONS
6	06/20/2017	MM	REVISIONS
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10	06/20/2017	MM	REVISIONS

38TH AVENUE PATHWAY
 CITY OF HATTIESBURG
 HATTIESBURG, MS
 FORREST COUNTY

38TH AVENUE
 STA 30+00 TO 36+00
 PP-6
 DRAWING NUMBER



DATE	06/20/2017
BY	MM
CHECKED	MM
DATE	06/20/2017



DEED

Bk:1286 Page:438-442

RCD: 07/31/2018 @ 9:50:48:AM

FORREST COUNTY, MS

JIMMY C. HAVARD CHANCERY CLERK

Prepared by:

City of Hattiesburg
Engineering Department
Post Office Box 1898
Hattiesburg, MS 39403-1898
(601) 545-4540

Return to:

City of Hattiesburg
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Grantor, do hereby grant, bargain, sell, convey and warrant unto

THE CITY OF HATTIESBURG, MISSISSIPPI

200 Forrest Street

Post Office Box 1898

Hattiesburg, MS 39403-1898

Telephone (601) 545-4540

Grantee, the following described property lying and being situated in Hattiesburg, Forrest County, Mississippi, and more particularly described on Exhibit A attached hereto:

(SEE EXHIBIT "A")

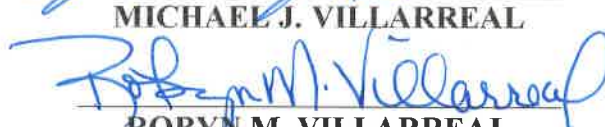
Forrest County
Tax Parcel No.: 2-028E-06-099.00
PPIN: 23997

Said property is not a part of the homestead of the grantors.

The Property is conveyed subject to all easements, roadways, servitudes, restrictive covenants and oil, gas and other mineral reservations, exceptions, conveyances, leases and other matters of record.

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 on this the 25th day of APRIL, 2018.


MICHAEL J. VILLARREAL

ROBYN M. VILLARREAL

STATE OF MISSISSIPPI
COUNTY OF Forrest

Personally appeared before me, the undersigned authority in and for the said county and state, on this 25th day of April, 2018, within my jurisdiction, the within named, **MICHAEL J. VILLARREAL and ROBYN M. VILLARREAL**, who acknowledged that they executed the above and foregoing instrument.


NOTARY PUBLIC

My Commission Expires: 7/22/18



Forrest County
Tax Parcel No.: 2-028E-06-099.00
PPIN: 23997

EXHIBIT "A"

LEGAL DESCRIPTION

A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

Beginning at the Northwest Corner of Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, said point also being a point on the Eastern right-of-way of North 38th Avenue, thence run along the North line of Lot 10 South 77 degrees 23 minutes 02 seconds East for a distance of 11.56 feet; thence run South 24 degrees 01 minutes 35 seconds West for a distance of 53.25 feet to a point on a non-tangential curve; thence run 17.25 feet along said curve to the left having a delta of 02 degrees 16 minutes 04 seconds, a radius of 435.77 feet, a chord bearing of South 20 degrees 35 minutes 02 seconds West and a chord distance of 17.25 feet to a point on a non-tangential curve; thence run 38.13 feet along said curve to the left to the South line of Lot 10, said curve having a delta of 02 degrees 56 minutes 31 seconds, a radius of 485.24 feet, a chord bearing of South 17 degrees 55 minutes 19 seconds West and a chord distance of 38.12 feet; thence run along the South line of said Lot 10 North 89 degrees 26 minutes 50 seconds West for a distance of 11.67 feet to a point on the Eastern right-of-way of said North 38th Avenue; thence run along said right-of-way North 21 degrees 04 minutes 30 seconds East for a distance of 110.88 feet back to the POINT OF BEGINNING. Said parcel contains 0.02 acres (1,064 square feet), more or less.

LEGAL DESCRIPTION (Right-of-Way)

A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

Beginning at the Northwest Corner of Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, said point also being a point on the Eastern right-of-way of North 38th Avenue, thence run along the North line of Lot 10 South 77 degrees 23 minutes 02 seconds East for a distance of 11.56 feet; thence run South 24 degrees 01 minutes 35 seconds West for a distance of 53.25 feet to a point on a non-tangential curve; thence run 17.25 feet along said curve to the left having a delta of 02 degrees 16 minutes 04 seconds, a radius of 435.77 feet, a chord bearing of South 20 degrees 35 minutes 02 seconds West and a chord distance of 17.25 feet to a point on a non-tangential curve; thence run 38.13 feet along said curve to the left to the South line of Lot 10, said curve having a delta of 02 degrees 56 minutes 31 seconds, a radius of 485.24 feet, a chord bearing of South 17 degrees 55 minutes 19 seconds West and a chord distance of 38.12 feet; thence run along the South line of said Lot 10 North 89 degrees 26 minutes 50 seconds West for a distance of 11.67 feet to a point on the Eastern right-of-way of said North 38th Avenue; thence run along said right-of-way North 21 degrees 04 minutes 30 seconds East for a distance of 110.88 feet back to the POINT OF BEGINNING. Said parcel contains 0.02 acres (1,064 square feet), more or less.

LEGAL DESCRIPTION (Temporary Construction Easement)

Michael Villarreal PPIN 23997 LEGAL DESCRIPTION (Temporary Construction Easement) A parcel of land being located in Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, Forrest County, Mississippi, having bearings based upon Grid North and being more particularly described as follows:

Commencing at the Northwest Corner of Lot 10, Block 1 of Southern Heights Subdivision in Hattiesburg, said point also being a point on the Eastern right-of-way of North 38th Avenue, thence run along the North line of Lot 10 South 77 degrees 23 minutes 02 seconds East for a distance of 11.56 feet; thence run South 24 degrees 01 minutes 35 seconds West for a distance of 53.25 feet to and for the POINT OF BEGINNING; thence run South 65 degrees 58 minutes 25 seconds East for a distance of 4.83 feet; thence run South 19 degrees 54 minutes 08 seconds West for a distance of 30.00 feet; thence run North 71 degrees 23 minutes 14 seconds West for a distance of 4.91 feet to a point on a non-tangential curve; thence run 13.21 feet along said curve to the right having a delta of 01 degree 33 minutes 37 seconds, a radius of 485.24 feet, a chord bearing of North 19 degrees 23 minutes 35 seconds East and a chord distance of 13.21 feet to a point on a non-tangential curve; thence run 17.25 feet along said curve to the right back to the POINT OF BEGINNING, said curve having a delta of 02 degrees 16 minutes 04 seconds, a radius of 435.77 feet, a chord bearing of North 20 degrees 35 minutes 02 seconds East and a chord distance of 17.25 feet. Said parcel contains 0.004 acres (151 square feet), more or less.

NOTES:

1. Class "B" Survey.
2. No Additional Record Search for Easements was Conducted.
3. Date of Field Survey: Nov. 2, 2017.
4. Orientation is based on GPS observation. Grid North, as referenced to MS State Plane Coordinate System, East Zone

REFERENCE MATERIAL:

1. Plat for Southern Heights Subdivision in the City of Hattiesburg
2. Forrest County Tax Maps
3. Warranty Deed BK 899, PG 570

LEGEND:

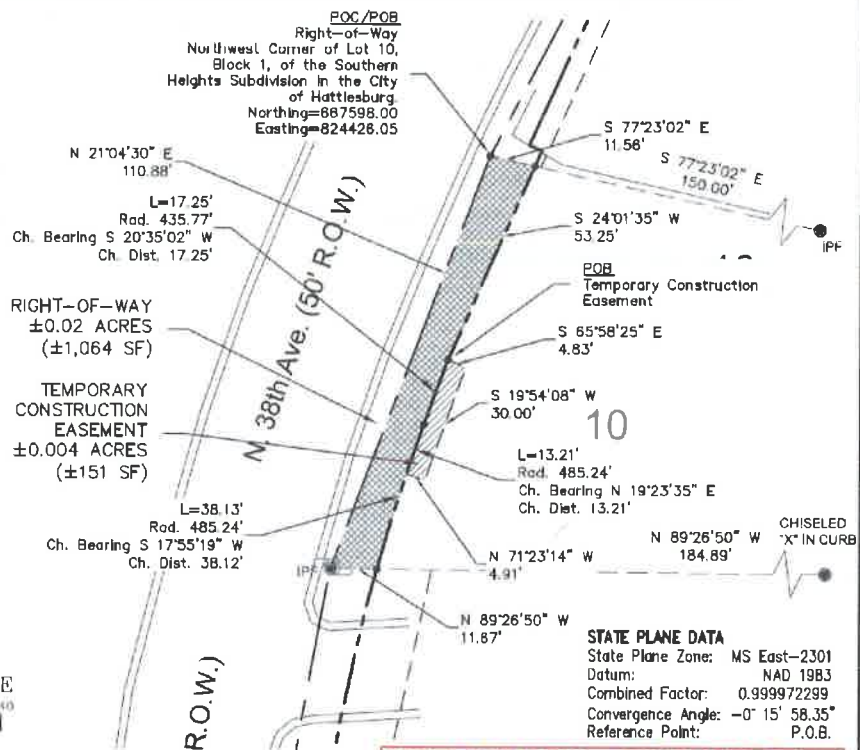
-  RIGHT-OF-WAY
 TEMP. CONSTRUCTION EASEMENT

- BK BOOK
PG PAGE
CTP FOUND CRIMP-TOP PIPE
MPF FOUND METAL PIPE
IPF FOUND IRON ROD
• SET 1/2" IRON REBAR
• POINT OF BEGINNING
• POINT OF COMMENCEMENT
• UTILITY POLE
• MONUMENT FOUND

GRAPHIC SCALE

(IN FEET)
1 INCH = 40 FEET

NORTH



STATE PLANE DATA

State Plane Zone: MS East-2301
Datum: NAD 1983
Combined Factor: 0.999972299
Convergence Angle: -0° 15' 58.35"
Reference Point: P.O.B.

PRELIMINARY - PINS NOT SET

Clearpoint
CONSULTING ENGINEERS, P.A.

6652 US Highway 98 | Hattiesburg, MS 39402
t 601.261.2609 | f 601.261.5573 | clearpointengineers.com

Right-of-Way Survey

MICHAEL VILLARREAL
PPIN: 23997

PREPARED FOR: CITY OF HATTIESBURG

CCE NO.: 76242030

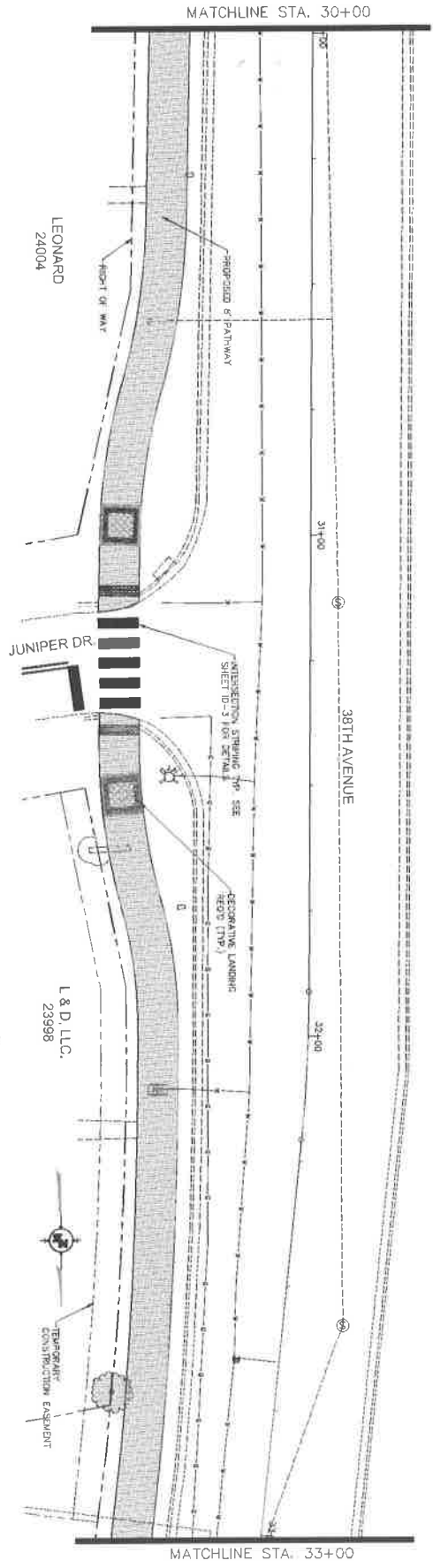
SCALE: 1" = 40'

DATE: 11/30/2017

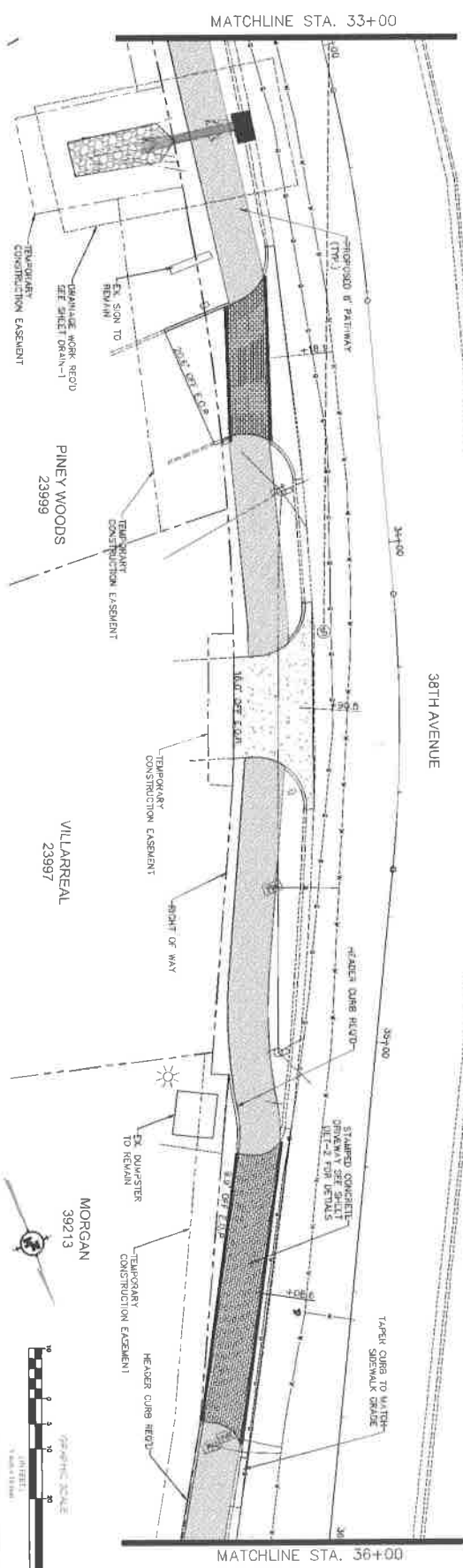
CHECKED: RTB

DRAWN: JCR

SHEET 1 OF 1



NAME	DATE
STATE	DATE
LOCALITY	DATE
LOCALITY	DATE



NOTICE TO THE USER

NEEL-SCHAFFER, INC. HEREBY DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE OF THE SOFTWARE. THE SOFTWARE IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. THE USER ASSUMES ALL RESPONSIBILITY FOR THE USE OF THE SOFTWARE. THE USER AGREES TO HOLD NEEL-SCHAFFER, INC. HARMLESS FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING OUT OF OR FROM THE USE OF THE SOFTWARE.

NO.	DATE	DESCRIPTION
1	07/11/2017	ISSUED FOR PERMIT
2	07/11/2017	ISSUED FOR PERMIT
3	07/11/2017	ISSUED FOR PERMIT
4	07/11/2017	ISSUED FOR PERMIT
5	07/11/2017	ISSUED FOR PERMIT
6	07/11/2017	ISSUED FOR PERMIT
7	07/11/2017	ISSUED FOR PERMIT
8	07/11/2017	ISSUED FOR PERMIT
9	07/11/2017	ISSUED FOR PERMIT
10	07/11/2017	ISSUED FOR PERMIT

38TH AVENUE PATHWAY

CITY OF HATTIESBURG
HATTIESBURG, MS
FORREST COUNTY

NEEL-SCHAFFER
Solutions you can build upon

38TH AVENUE
STA 30+00 TO 36+00

PP-6



City of Hattiesburg, MS

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

Master

File Number: 2018-456

File ID: 2018-456

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 05/14/2018

Brief Title: Authorize Mayor to execute Lighting Agreements with MS Power

Final Action: 05/22/2018

Minute Book Number: MB2018-132-133

Title:

Authorize Mayor to execute lighting agreements with Mississippi Power for additional lighting at Campbell Loop for a monthly increase of \$44.64, at Campbell Drive for a monthly increase of \$86.60, and at Broadacres Drive for a monthly increase of \$124.50.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-10

Sponsors:

Enactment Date:

Attachments: MS Power-Broadacres Dr, MS Power-Campbell Dr, MS Power-Campbell Loop 400 Watt, executed MS Power-Broadacres Dr, executed MS Power-Campbell Dr, executed MS Power-Campbell Loop 400 Watt

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/22/2018	Authorize				Pass
Action Text: A MOTION was made by Council Member George and seconded by Council Vice President Dryden to Authorize Mayor to execute lighting agreements with Mississippi Power for additional lighting at Campbell Loop for a monthly increase of \$44.64, at Campbell Drive for a monthly increase of \$86.60, and at Broadacres Drive for a monthly increase of \$124.50.							
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 2018-456

Title

Authorize Mayor to execute lighting agreements with Mississippi Power for additional lighting at Campbell Loop for a monthly increase of \$44.64, at Campbell Drive for a monthly increase of \$86.60, and at Broadacres Drive for a monthly increase of \$124.50.

Summary

Authorize Mayor to execute lighting agreements with Mississippi Power for additional lighting at Campbell Loop, Campbell Drive and Broadacres Drive.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

5-8-18

RE: STREET LIGHT REQUEST AND AUTHORIZATION LETTER

FROM: CITY/TOWN OF Hattiesburg PHONE: N/A

AUTHORIZED SIGNATURE X DATE: X

DEVELOPER NAME N/A ACCOUNT # 59841-82000

DEVELOPER SIGNATURE N/A DATE: N/A

DATE GOVERNMENTAL AUTHORITY TO TAKE OWNERSHIP OF PAYMENT: N/A
Attach a plat for development.

TO: MISSISSIPPI POWER COMPANY ()
C/O DATE FAX RECEIVED

INSTRUCTIONS: INSTALL STREET LIGHTS AS NOTED IN THE SCHEDULE BELOW. CONSIDER THIS YOUR AUTHORIZATION TO BILL THE NEW LIGHTS UNDER THE TERMS OF THE CURRENTLY APPLICABLE STREET LIGHT RATE (SL-27) AS APPROVED BY THE MISSISSIPPI PUBLIC SERVICE COMMISSION.

PLEASE TAKE NOTICE: By and through Developer's request and execution hereof, Developer acknowledges and agrees that any electric lighting service for outdoor lighting is subject to MPC's Rules Governing Electric Service and MPC's Outdoor Lighting Electric Rate Schedule (OL-22. Developer understands and agrees that OL-22 provides for a three (3) year minimum term for lighting (other than special lighting) and Developer shall be liable to MPC for all service under the rate schedule until termination, provided however that Developer shall, in no event, be excused from liability for service during the applicable minimum term. MPC shall be entitled to pursue any and all available legal remedies in the event Developer, or Developer's successors or assigns, fails to make any and all payments as and when due during the term of service.

TYPE LIGHT	NUMBER TO INSTALL (I) NUMBER TO REMOVE (R)	LOCATION AND COMMENTS
------------	---	-----------------------

COBRA HEAD FIXTURES

100 WATT HPS		<u>Broadacres Dr</u>
150 WATT HPS		
250 WATT HPS		<u>Activate 5-110w LED</u>
400 WATT HPS		<u>5- concrete poles</u>
1000 WATT HPS		
350 WATT MH		

LED FIXTURES

90 WATT LED		
110 WATT LED	<u>3-5</u>	<u>Increase \$124.50</u>
190 WATT LED		
280 WATT LED		

OTHER FIXTURES

		<u>Currently - lights not on &</u>
		<u>city not paying for them</u>

NOTE: FOR NON ROUTINE INSTALLATIONS REQUIRING POLES, UNDERGROUND WIRING OR OTHER SPECIAL CONDITIONS PLEASE CONTACT YOUR MARKET SPECIALIST AND SPECIFIC CONTRACTS WILL BE PREPARED.

PLEASE FAX THIS FULLY COMPLETED FORM TO YOUR LOCAL MPC OFFICE AND WE WILL INSTALL THE LIGHTING INSTALLATIONS THAT YOU REQUEST. YOU MAY ALSO USE THIS FORM TO REPORT LIGHTS NOT BURNING BY LISTING THE ESTIMATED SIZE AND LOCATION ON THE FORM AND FAXING TO US.

5-8-18

RE: STREET LIGHT REQUEST AND AUTHORIZATION LETTER

FROM: CITY/TOWN OF Hattiesburg PHONE: _____
AUTHORIZED SIGNATURE X DATE: X
DEVELOPER NAME N/A ACCOUNT # 59841-82000
DEVELOPER SIGNATURE N/A DATE: N/A
DATE GOVERNMENTAL AUTHORITY TO TAKE OWNERSHIP OF PAYMENT: N/A

Attach a plat for development.

TO: MISSISSIPPI POWER COMPANY (_____) DATE FAX RECEIVED _____
C/O _____

INSTRUCTIONS: INSTALL STREET LIGHTS AS NOTED IN THE SCHEDULE BELOW. CONSIDER THIS YOUR AUTHORIZATION TO BILL THE NEW LIGHTS UNDER THE TERMS OF THE CURRENTLY APPLICABLE STREET LIGHT RATE (SL-27) AS APPROVED BY THE MISSISSIPPI PUBLIC SERVICE COMMISSION.

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TYPE LIGHT	NUMBER TO INSTALL (I) NUMBER TO REMOVE (R)	LOCATION AND COMMENTS
COBRA HEAD FIXTURES		
100 WATT HPS	<u>R-27</u>	<u>Campbell Lp / Campbell Dr</u>
150 WATT HPS	<u>R-1</u>	
250 WATT HPS		
400 WATT HPS		
1000 WATT HPS		
350 WATT MH		
LED FIXTURES		
90 WATT LED	<u>I-28</u>	
110 WATT LED		
190 WATT LED		
280 WATT LED		
OTHER FIXTURES		
		<u>Net increase XXXX \$86.60</u>

NOTE: FOR NON ROUTINE INSTALLATIONS REQUIRING POLES, UNDERGROUND WIRING OR OTHER SPECIAL CONDITIONS PLEASE CONTACT YOUR MARKET SPECIALIST AND SPECIFIC CONTRACTS WILL BE PREPARED.

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DATE 5-8-18

RE: STREET LIGHT REQUEST AND AUTHORIZATION LETTER

FROM: CITY/TOWN OF Hattiesburg PHONE: _____

AUTHORIZED SIGNATURE X DATE: X

DEVELOPER NAME N/A ACCOUNT # 59841-82000

DEVELOPER SIGNATURE N/A DATE N/A

DATE GOVERNMENTAL AUTHORITY TO TAKE OWNERSHIP OF PAYMENT N/A
Attach a plat for development.

TO: MISSISSIPPI POWER COMPANY (_____) DATE FAX RECEIVED _____
C/O _____

INSTRUCTIONS: INSTALL STREET LIGHTS AS NOTED IN THE SCHEDULE BELOW. CONSIDER THIS YOUR AUTHORIZATION TO BILL THE NEW LIGHTS UNDER THE TERMS OF THE CURRENTLY APPLICABLE STREET LIGHT RATE (SL-27) AS APPROVED BY THE MISSISSIPPI PUBLIC SERVICE COMMISSION

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TYPE LIGHT	NUMBER TO INSTALL (I) NUMBER TO REMOVE (R)	LOCATION AND COMMENTS
COBRA HEAD FIXTURES		
100 WATT HPS		<u>Campbell Loop - 400 watt</u>
150 WATT HPS		
250 WATT HPS		
400 WATT HPS	<u>R-12</u>	
1000 WATT HPS		
350 WATT MH		
LED FIXTURES		
90 WATT LED		
110 WATT LED		
190 WATT LED	<u>I-12</u>	
280 WATT LED		
OTHER FIXTURES		
		<u>Net increase \$44.64</u>

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5-8-18

RE: STREET LIGHT REQUEST AND AUTHORIZATION LETTER

FROM: CITY/TOWN OF Hattiesburg PHONE: N/A

AUTHORIZED SIGNATURE [Signature] DATE: X 5-22-18

DEVELOPER NAME N/A ACCOUNT # 59841-82000

DEVELOPER SIGNATURE N/A DATE: N/A

DATE GOVERNMENTAL AUTHORITY TO TAKE OWNERSHIP OF PAYMENT: N/A
Attach a plat for development.

TO: MISSISSIPPI POWER COMPANY ()
C/O DATE FAX RECEIVED

INSTRUCTIONS: INSTALL STREET LIGHTS AS NOTED IN THE SCHEDULE BELOW. CONSIDER THIS YOUR AUTHORIZATION TO BILL THE NEW LIGHTS UNDER THE TERMS OF THE CURRENTLY APPLICABLE STREET LIGHT RATE (SL-27) AS APPROVED BY THE MISSISSIPPI PUBLIC SERVICE COMMISSION.

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TYPE LIGHT	NUMBER TO INSTALL (I) NUMBER TO REMOVE (R)	LOCATION AND COMMENTS
COBRA HEAD FIXTURES		
100 WATT HPS		<u>Broadacres Dr</u>
150 WATT HPS		
250 WATT HPS		<u>Activate 5-110w LED</u>
400 WATT HPS		<u>5- Concrete Poles</u>
1000 WATT HPS		
350 WATT MH		
LED FIXTURES		
90 WATT LED		
110 WATT LED	<u>I-5</u>	<u>Increase \$124.50</u>
190 WATT LED		
280 WATT LED		
OTHER FIXTURES		
		<u>Currently - lights not on &</u>
		<u>city not paying for them</u>

NOTE: FOR NON ROUTINE INSTALLATIONS REQUIRING POLES, UNDERGROUND WIRING OR OTHER SPECIAL CONDITIONS PLEASE CONTACT YOUR MARKET SPECIALIST AND SPECIFIC CONTRACTS WILL BE PREPARED.

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5-8-18

RE: STREET LIGHT REQUEST AND AUTHORIZATION LETTER

FROM: CITY/TOWN OF Hattiesburg PHONE: _____
AUTHORIZED SIGNATURE X [Signature] DATE: X 5-22-18
DEVELOPER NAME N/A ACCOUNT # 59841-82000
DEVELOPER SIGNATURE N/A DATE: N/A
DATE GOVERNMENTAL AUTHORITY TO TAKE OWNERSHIP OF PAYMENT: N/A

Attach a plat for development.

TO: MISSISSIPPI POWER COMPANY (_____) DATE FAX RECEIVED _____
C/O _____

INSTRUCTIONS: INSTALL STREET LIGHTS AS NOTED IN THE SCHEDULE BELOW. CONSIDER THIS YOUR AUTHORIZATION TO BILL THE NEW LIGHTS UNDER THE TERMS OF THE CURRENTLY APPLICABLE STREET LIGHT RATE (SL-27) AS APPROVED BY THE MISSISSIPPI PUBLIC SERVICE COMMISSION.

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100 WATT HPS	<u>R-27</u>	<u>Campbell Lp / Campbell Dr</u>
150 WATT HPS	<u>R-1</u>	
250 WATT HPS		
400 WATT HPS		
1000 WATT HPS		
350 WATT MH		
LED FIXTURES		
90 WATT LED	<u>I-28</u>	
110 WATT LED		
190 WATT LED		
280 WATT LED		
OTHER FIXTURES		
		<u>Net Increase XXXX \$86.60</u>

NOTE: FOR NON ROUTINE INSTALLATIONS REQUIRING POLES, UNDERGROUND WIRING OR OTHER SPECIAL CONDITIONS PLEASE CONTACT YOUR MARKET SPECIALIST AND SPECIFIC CONTRACTS WILL BE PREPARED.

PLEASE FAX THIS FULLY COMPLETED FORM TO YOUR LOCAL MPC OFFICE AND WE WILL INSTALL THE LIGHTING INSTALLATIONS THAT YOU REQUEST. YOU MAY ALSO USE THIS FORM TO REPORT LIGHTS NOT BURNING BY LISTING THE ESTIMATED SIZE AND LOCATION ON THE FORM AND FAXING TO US.

5-8-18

RE: STREET LIGHT REQUEST AND AUTHORIZATION LETTER

FROM: CITY/TOWN OF Hattiesburg

PHONE: _____

AUTHORIZED SIGNATURE X [Signature]

DATE: X 5-22-18

DEVELOPER NAME N/A

ACCOUNT # 59841-82000

DEVELOPER SIGNATURE N/A

DATE N/A

DATE GOVERNMENTAL AUTHORITY TO TAKE OWNERSHIP OF PAYMENT N/A

Attach a plat for development.

TO: MISSISSIPPI POWER COMPANY (_____) (C/O) _____

DATE FAX RECEIVED _____

INSTRUCTIONS: INSTALL STREET LIGHTS AS NOTED IN THE SCHEDULE BELOW. CONSIDER THIS YOUR AUTHORIZATION TO BILL THE NEW LIGHTS UNDER THE TERMS OF THE CURRENTLY APPLICABLE STREET LIGHT RATE (SL-27) AS APPROVED BY THE MISSISSIPPI PUBLIC SERVICE COMMISSION

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TYPE LIGHT	NUMBER TO INSTALL (I) NUMBER TO REMOVE (R)	LOCATION AND COMMENTS
COBRA HEAD FIXTURES		
100 WATT HPS		<u>Campbell Loop - 400 watt</u>
150 WATT HPS		
250 WATT HPS		
400 WATT HPS	<u>R-12</u>	
1000 WATT HPS		
350 WATT MH		
LED FIXTURES		
90 WATT LED		
110 WATT LED		
190 WATT LED	<u>I-12</u>	
280 WATT LED		
OTHER FIXTURES		
		<u>Net Increase \$44.64</u>

NOTE: FOR NON ROUTINE INSTALLATIONS REQUIRING POLES, UNDERGROUND WIRING OR OTHER SPECIAL CONDITIONS PLEASE CONTACT YOUR MARKET SPECIALIST AND SPECIFIC CONTRACTS WILL BE PREPARED.

PLEASE FAX THIS FULLY COMPLETED FORM TO YOUR LOCAL MPC OFFICE AND WE WILL INSTALL THE LIGHTING INSTALLATIONS THAT YOU REQUEST. YOU MAY ALSO USE THIS FORM TO REPORT LIGHTS NOT BURNING BY LISTING THE ESTIMATED SIZE AND LOCATION ON THE FORM AND FAXING TO US.



City of Hattiesburg, MS

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

Master

File Number: 2018-469

File ID: 2018-469

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Ann Jones

File Created: 05/14/2018

Brief Title: Authorize execution of MOU with USM-Institute of Disability Studies to provide summer internships to the City of Hattiesburg.

Final Action: 05/22/2018

Minute Book Number: MB2018-133

Title:

Authorize Mayor to execute Memorandum of Understanding between City of Hattiesburg and the University of Southern Mississippi-Institute of Disability Studies to provide summer internships to the City of Hattiesburg.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-11

Sponsors:

Enactment Date:

Attachments: USM IDS Agreement, executed USM IDS Agreement

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/22/2018	Authorize				Pass
Action Text: A MOTION was made by Council Vice President Dryden and seconded by Council Member George to Authorize Mayor to execute Memorandum of Understanding between City of Hattiesburg and the University of Southern Mississippi-Institute of Disability Studies to provide summer internships to the City of Hattiesburg.							
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 2018-469

Title

Authorize Mayor to execute Memorandum of Understanding between City of Hattiesburg and the University of Southern Mississippi-Institute of Disability Studies to provide summer internships to the City of Hattiesburg.

Summary

Authorize execution of MOU with USM-Institute of Disability Studies to provide summer internships to the City of Hattiesburg.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMORANDUM OF UNDERSTANDING

1. **Parties:** The parties to this agreement are the University of Southern Mississippi-Institute of Disability Studies, hereinafter referred to as the “Agency” and the City of Hattiesburg, hereinafter referred to as the “Contractor”.

2. **Purpose:** The purpose of this agreement is for the Agency to engage the Contractor to allow for the employment of young adults with intellectual/cognitive and other developmental disabilities.

3. **Term of Program Contract:** The effective time of the program shall be from June 1, 2018 to August 30, 2018. This contract may be terminated, without cause, by either party upon 10 days written notice, which notice shall be delivered by hand or by certified mail to the address listed above.

4. **Statement of Responsibilities:** The Contractor will coordinate all communications with the Agency through the University of Southern Mississippi, Institute of Disability Studies Coordinator, Jin Joo Crosby. The City of Hattiesburg will partner with the Agency under the direction of the Human Resources Department to provide the following for this program: Hattiesburg will hire up to (5) IDS interns for a period of 6 weeks. The City of Hattiesburg will be responsible for the day-to-day direction and task assignments to the IDS intern. Agency will be responsible for training, supervising, compensating, and providing workers comp coverage for all University of Southern Mississippi, Institute of Disability Studies interns.

5. **Signatures:** In witness whereof, the parties to this MOU through their duly authorized representatives have executed this MOU on the days and dates set out below, and certify that they have read, understood, and agreed to the terms and conditions of this MOU as set forth herein.

The effective date of this MOU is the date of the signature last affixed to this page.

[CONTRACTOR]-City of Hattiesburg

[Name and Title]

Date

[**AGENCY**]-University of Southern Mississippi

[Name and Title]

Date

MEMORANDUM OF UNDERSTANDING

1. **Parties:** The parties to this agreement are the University of Southern Mississippi-Institute of Disability Studies, hereinafter referred to as the "Agency" and the City of Hattiesburg, hereinafter referred to as the "Contractor".

2. **Purpose:** The purpose of this agreement is for the Agency to engage the Contractor to allow for the employment of young adults with intellectual/cognitive and other developmental disabilities.

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The effective date of this MOU is the date of the signature last affixed to this page.

[CONTRACTOR]-City of Hattiesburg

 Mayor, 5-22-18
[Name and Title] Date

[**AGENCY**]-University of Southern Mississippi

[Name and Title]

Date



City of Hattiesburg, MS

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

Master

File Number: 2018-460

File ID: 2018-460

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Andrew Ellard

File Created: 05/14/2018

Brief Title: Authorize continued suspension of permitting fees for anyone affected by the 1/21/2017 tornado through July 31, 2018.

Final Action: 05/22/2018

Minute Book Number: MB2018-133

Title:

Authorize continued suspension of all City of Hattiesburg permitting fees from May 1, 2018 through July 31, 2018 for anyone affected by the 1/21/2017 tornado.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-12

Sponsors:

Enactment Date:

Attachments:

Enactment Number:

Contact:

Meeting Date: 05/22/2018

Drafter: Andrew Ellard

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	05/22/2018	Authorize				Pass
Action Text: A MOTION was made by Council Member Brown and seconded by Council Vice President Dryden to Authorize continued suspension of all City of Hattiesburg permitting fees from May 1, 2018 through July 31, 2018 for anyone affected by the 1/21/2017 tornado.							
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 2018-460

Title

Authorize continued suspension of all City of Hattiesburg permitting fees from May 1, 2018 through July 31, 2018 for anyone affected by the 1/21/2017 tornado.

Summary

Authorize continued suspension of permitting fees for anyone affected by the 1/21/2017 tornado through July 31, 2018.

Budget Information

Expenditure Type

Purchasing Item

Publication Information



City of Hattiesburg, MS

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

Master

File Number: 2018-459

File ID: 2018-459

Type: Regular Agenda Item

Status: Approved

Version: 1

Reference:

In Control: City Council

Requester: Andrew Ellard

File Created: 05/14/2018

Brief Title: Approve and authorize execution of Voluntary Compliance Agreement with HUD relative to certain statutes and regulations of Fair Housing and Equal Opportunities Programs and Compliance Director.

Final Action: 05/22/2018

Minute Book Number: MB2018-133

Title:

Approve and authorize the Mayor to execute a Voluntary Compliance Agreement with the U.S. Department of Housing and Urban Development relative to compliance with certain statutes and regulations under the purview of the Fair Housing and Equal Opportunities Programs and Compliance Director.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-13

Sponsors:

Enactment Date:

Attachments: Hattiesburg VCA_05.03.18, executed Hattiesburg VCA_05.03.18

Enactment Number:

Contact:

Meeting Date: 05/22/2018

Drafter: Andrew Ellard

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	05/22/2018	Approve and Authorize				Pass

Action Text: A MOTION was made by Council Member George and seconded by Council Vice President Dryden to Approve and authorize the Mayor to execute a Voluntary Compliance Agreement with the U.S. Department of Housing and Urban Development relative to compliance with certain statutes and regulations under the purview of the Fair Housing and Equal Opportunities Programs and Compliance Director.

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 2018-459

Title

Approve and authorize the Mayor to execute a Voluntary Compliance Agreement with the U.S. Department of Housing and Urban Development relative to compliance with certain statutes and regulations under the purview of the Fair Housing and Equal Opportunities Programs and Compliance Director.

Summary

Approve and authorize execution of Voluntary Compliance Agreement with HUD relative to certain statutes and regulations of Fair Housing and Equal Opportunities Programs and Compliance Director.

Budget Information

Expenditure Type

Purchasing Item

Publication Information



VOLUNTARY COMPLIANCE AGREEMENT

WITH

**SECTION 109 OF THE HOUSING AND COMMUNITY DEVELOPMENT ACT OF
1974, AS AMENDED,**

TITLE VI OF THE CIVIL RIGHTS ACT OF 1964, AS AMENDED,

SECTION 504 OF THE REHABILITATION ACT OF 1973

BETWEEN

UNITED STATES DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

AND

CITY OF HATTIESBURG, MISSISSIPPI

CASE NUMBERS:

04-18-R-004-6 (Title VI)

04-18-R-004-9 (Section 109)

**CITY OF HATTIESBURG, MISSISSIPPI
DEPARTMENT OF COMMUNITY AFFAIRS
VOLUNTARY COMPLIANCE AGREEMENT**

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VOLUNTARY COMPLIANCE AGREEMENT

I. INTRODUCTION

The United States Department of Housing and Urban Development (HUD or Department), pursuant to its enforcement responsibilities under Section 109 of the Housing and Community Development Act of 1974 (Section 109), Title VI of the Civil Rights Act of 1964 (Title VI), and the respective implementing regulations of each Act, conducted a limited compliance review of the city of Hattiesburg, Mississippi (City or Hattiesburg). The review revealed compliance deficiencies under Section 109 and Title VI. Other deficiencies were found under Section 504 of the Rehabilitation Act of 1973 (Section 504) and the American with Disability Act of 1990 (ADA), as noted in Section V (4) of this Agreement. The purpose of the review was to determine whether the City administers its Home Investment Partnership Program (HOME), in compliance with the statutes and regulations.

The compliance review team conducted the on-site review during the week of April 9 - 13, 2018. The specific areas of examination during the review included the City's compliance with its civil rights related obligations as follows: Citizen Participation; affirmative fair housing marketing (AFHM), Limited English Proficiency (LEP); benefits, services and methods of administration with respect to the City's Homebuyer Assistance and Housing Rehabilitation Programs; and the city of Hattiesburg monitoring of its Community Housing Development Organizations (CHDOs) for compliance with Title VI, Section 109, Section 504 and ADA. The city of Hattiesburg received \$720,760 during the program years reviewed.

On April 13, 2018 the compliance review team¹ met with Toby Barker, Mayor; Clarence Williams, Community Development Division Manager; Andrew Ellard, Director of Urban Development; and Donnetta McAdoo, HUD, Jackson Field Office, Community Development Director, to discuss FHEO's findings of non-compliance. The Mayor agreed to enter into a Voluntary Compliance Agreement (VCA) with HUD to address the issues identified during the review to ensure compliance with the city's responsibilities under Title VI, Section 109, Section 504, ADA, and their respective implementing regulations. The Department and Hattiesburg having agreed to settle and voluntarily resolve the Department's findings without the necessity of formal evidentiary hearings or other judicial processes, hereby agree and consent to the terms of this Agreement.

II. REGULATORY AND LEGAL AUTHORITY

A. Section 109 of the Housing & Community Development Act of 1974

Section 109 states that "no person in the United States shall, on the grounds of race, color, national origin, religion, or sex, be excluded from participation in, be denied the benefits of, or be

¹ The compliance review team consisted of Ashley Lowe, Lead Equal Opportunity Specialist/Team Lead and Marilyn Moore-Lemons, Mississippi FHEO Programs and Compliance Director.

subjected to discrimination under any program or activity funded in whole or in part with Federal financial assistance.”

B. Title VI of the Civil Rights Act of 1964 and Implementing Regulations

Title VI of the Civil Rights Act of 1964, Section 601, 42 U.S.C. §200d, provides that no person shall “on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subject to discrimination under any program or activity receiving federal financial assistance. Section 602 authorizes and directs federal agencies that are empowered to extend federal financial assistance to any program or activity “to effectuate the provision of [Section 601] ...by issuing rules, regulations, or orders of general applicability.”

The Department’s regulations promulgated pursuant to Section 602 prohibits recipients from utilizing “criteria or methods of administration which have the effect of subjecting persons to discrimination because of their race, color, or national origin, or have the effect of defeating or substantially impairing accomplishments of the objectives of the program or activity with respect to persons of a particular race, color, or national origin.” On January 22, 2007, the Department published the final rule “Notice of Guidance to Federal Financial Assistance Recipients, regarding Title VI Prohibition against National Origin Discrimination – Affecting Limited English Proficient Person” (HUD LEP Guidance).

C. Section 504 of the Rehabilitation Act of 1973 and Implementing Regulations

Section 504 states no otherwise qualified individual with handicaps in the United States shall, solely due to his or her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance from the Department of Housing and Urban Development.

D. Title II of the American with Disability Act of 1990

Subtitle A of Title II of the Americans with Disabilities Act protects qualified individuals with disabilities based on disability in the services, programs or activities of all State and local governments. The ADA states a public entity shall, within one year of the effective date of this part, evaluate its current services, policies, and practices, and the and the effects thereof, that do not or may not meet the requirements of this part and, to the extent modification of any such services, policies, and practices is required, the public entity shall proceed to make the necessary modifications.

In the event that structural changes to facilities will be undertaken to achieve program accessibility, a public entity that employs 50 or more persons shall develop, within six months of January 26, 1992, a transition plan setting forth the steps necessary to complete such changes. A public entity shall provide an opportunity to interested persons, including individuals with disabilities or organizations representing individuals with disabilities, to participate in the development of the transition plan by submitting comments. A copy of the transition plan shall be made available for public inspection.

III. DEFINITIONS

Recipient - The term “Recipient” is the meaning specified at 24 CFR § 1.2(0).

Federal Financial Assistance – The term “Federal financial assistance” is the meaning as specified at 24 CFR Part I § 1.2 (e).

Language Access Plan (LAP) – A written implementation plan that addresses identified needs of the LEP persons they serve. Recipients should have a process for continuously monitoring and updating the plan. (HUD LEP Guidance)

Language Assistance – Assistance must be provided in a manner which assists the LEP person to participate in the program and/or services. Assistance from a Recipient to a LEP Person may include, but is not limited to providing oral interpretation services, bilingual staff, telephone service line interpreters, written translation services, notices to staff and Recipients of the availability of LEP services; or referral to community liaisons proficient in the language of the LEP persons.

LEP Four-Factor Analysis – The analysis that Recipients of HUD funding are required to use to determine what language assistant measures are sufficient to assist LEP persons in the different programs and activities in which the Recipient engages, as described in “Final Guidance to Federal Financial Assistant Recipients regarding Title VI Prohibition against National Origin Discrimination, affecting Limited English Proficient Persons” published in the Federal Register (January 22, 2007).

Limited English Proficient Individuals – Individuals who do not speak English as their language and who have a limited ability to speak, read, write, or understand English because of their national origin. For purposes of Title VI and the LEP Guidance, persons may be entitled to language assistance with respect to a particular service, benefit, or encounter. (HUD LEP Guidance).

IV. GENERAL PROVISIONS

- A. This Voluntary Compliance Agreement applies to all Federally funded projects under the programs or activities that the city of Hattiesburg, its agents, successors, assignees, and beneficiaries owns, controls, operates, or sponsors.
- B. The effective date of this Agreement is the date of the last signature in Section IX. This Agreement shall be binding on all the officers, trustees, directors, agents, employees, successors, and assignees of the city of Hattiesburg and the Department. This Agreement shall remain in effect until Hattiesburg has satisfactorily completed the provisions set forth in this Agreement; or for a minimum of 3 years after the effective date of this Agreement, whichever is later. Notwithstanding these provisions, the city of Hattiesburg may request that the

Department terminate this Agreement within the 3-year period, if the city of Hattiesburg believes it has satisfactorily completed the provisions of this Agreement.

- C. The city of Hattiesburg's Consolidated Plans, Annual Action Plans, and Consolidated Annual Performance and Evaluation Reports must be consistent with the requirements of this Agreement. The City shall amend the above Plans, as necessary, in order to ensure the adoption of the requirements of this Agreement, including policies with respect to Affirmative Fair Housing Marketing, LEP and Hattiesburg's Section 504 and ADA self-evaluation and transition plan; and monitoring and training of CHDOs with respect to any or all of the aforementioned matters.
- D. This Agreement does not increase or diminish the ability of any person or class of persons to exercise their rights under Section 109, Title VI, Section 504, ADA the Fair Housing Act, or any other federal, state, or local civil rights statutes or authorities. This Agreement does not create any private right of action for any person or class of persons not a party to this Agreement.
- E. This Agreement does not affect the ability of the Department or Hattiesburg to take action under appropriate statutory or regulatory authorities unrelated to issues covered by this VCA.
- F. This Agreement does not limit or restrict the Department's authority to investigate any complaints against the city of Hattiesburg or its CHDOs made pursuant to Section 109, Title VI, Section 504, ADA or any other statutory or regulatory authority within the Department's jurisdiction.
- G. This Agreement is a public document upon the effective date of signing of this Agreement. A copy of this Agreement shall be made available to any person for his/her review, in accordance with the law. The city of Hattiesburg shall provide a copy of this Agreement to any person upon written request.
- H. The city of Hattiesburg shall provide a copy of reporting data it generates to comply with this Agreement to any person, upon request, in accordance with the Privacy Act, and the State of Mississippi's Public Records Act. In no event will public disclosure include personally identifiable information regarding applicants or residents, if such disclosure violates the Federal Privacy Act.
- I. To the extent that any prior Departmental guidance (written or oral) in the form of waivers, administrative decisions, letters, opinions, or similar guidance regarding the city of Hattiesburg's obligations, responsibilities, or technical requirements under Section 109, Title VI, Section 504, ADA conflicts with this Agreement, this Agreement is the controlling document from the effective date of this Agreement.
- J. This Agreement does not supersede, or in any manner change the rights, obligations, and responsibilities of the parties under all court orders, or settlements of other controversies involving compliance with civil rights statutes.

- K. This Agreement does not affect any requirements for the city of Hattiesburg to comply with all requirements of Section 109, Title VI, Section 504 and ADA, not addressed in this Agreement.
- L. The city of Hattiesburg shall hire or appoint appropriate personnel to oversee compliance with the provisions of this Agreement.
- M. The city of Hattiesburg will provide in alternate formats, upon request, all notices correspondences and/or communications that this Agreement requires to be disseminated. See 24 C.F.R. § 8.6.
- N. The city of Hattiesburg and the Department agree that nothing contained in this VCA shall be construed to be a final finding or determination by the Department that the city of Hattiesburg or any of its agents or employees intentionally engaged in unlawful practices that may have had the effect of illegally discriminating based on race, color, national origin, religion or sex. The parties agree that nothing contained in this document shall be construed as an admission of liability by the city of Hattiesburg or any of its agents or employees with respect to the Department's findings.

V. SPECIFIC PROVISIONS

1. Voluntary Compliance Agreement Administrator

- A. Within 30 days of the effective date of the Agreement, the city of Hattiesburg shall designate a Voluntary Compliance Agreement Administrator (VCA Administrator) to perform the following responsibilities:
 - a. Coordinate all compliance activities under this Agreement;
 - b. Implement the provisions of this Agreement;
 - c. Coordinate the activities of the City employees who will assist the VCA Administrator in implementing this Agreement;
 - d. Submit all reports, records and plans required by this Agreement.
- B. The City shall have a VCA Administrator for the duration of this Agreement.
- C. The City shall commit sufficient resources so that the VCA Administrator shall successfully accomplish the provisions in the Agreement.
- D. In the event that the VCA Administrator resigns or is otherwise terminated prior to the expiration of this Agreement, the City shall designate an Acting VCA Administrator within 14 days of this resignation or termination notice of the VCA Administrator. Upon designation, the City shall provide HUD with the name of the person selected to serve as the Acting VCA Administrator.
- E. Within 60 days of the termination or resignation of the VCA Administrator, the City shall select a new VCA Administrator. Upon designation, the City shall provide HUD with written notice of the new VCA Administrator.

2. Title VI and Section 109

A. Affirmative Fair Housing Marketing Procedures

1. The compliance review revealed the city of Hattiesburg did not have affirmative marketing procedures and requirements (AFHMP or Plan) in place, pursuant to 24 CFR §92.351 and 24 CFR §200.600 Subpart M. Within 90 days of the effective date of this Agreement, the City shall submit affirmative marketing procedures and requirements (AFHMP or Plan) for housing containing 5 or more HOME-assisted units to HUD for approval. Affirmative marketing steps consist of actions to provide information and otherwise attract eligible persons, including those least likely to apply in the housing market area. The affirmative marketing requirements and procedures adopted shall include:
 - a. Methods for informing the public and potential tenants about Federal fair housing laws and the city of Hattiesburg affirmative marketing policy (e.g., the use of the Equal Opportunity logotype or slogan on the city's pamphlets, brochures, press releases and solicitations for owners, and written communication to fair housing and other groups);
 - b. Requirements and practices each CHDO and/or subrecipient must adhere to in order to carry out the city of Hattiesburg's affirmative marketing procedures and requirements (e.g., use of commercial media, use of community contacts, use of the Equal Housing Opportunity logotype or slogan, and display of the fair housing poster);
 - c. Procedures to be used by CHDOs and/or subrecipients to inform and solicit applications from persons in the housing market area who are not likely to apply for the housing without special outreach (e.g., use of community organizations, places of worship, employment centers, fair housing groups or housing counseling agencies);
 - d. Records that will be kept describing actions taken by the city of Hattiesburg and CHDOs and/or subrecipients to affirmatively market units and records to assess the results of these actions; and
 - e. A description of how the city of Hattiesburg will annually assess the success of affirmative marketing actions and corrective actions that will be taken when affirmative marketing requirements are not met.²
 - f. HUD shall review the affirmative marketing plan within 15 days of submission.

B. Affirmative Fair Housing Marketing of HOME Programs

1. The compliance review revealed the City did not affirmatively market its HOME program in accordance to 24 CFR §92.351 and 24 CFR §200.600 Subpart M. To correct this deficiency the city shall:
 - a. Within 60 days from HUD's approval of the city of Hattiesburg AFHMP, the city of Hattiesburg shall market its HOME programs, including its housing rehabilitation and homebuyer assistance programs consistent with its plan.

² It is desirable to include the plan in the Consolidated Plan submission to raise public awareness of the Participating Jurisdiction's affirmative marketing efforts and subject the plan to ongoing public review.

- b. Maintain records of its affirmative marketing efforts in accordance to 24 CFR §1.6(b) and 24 CFR §570.490.

C. Affirmative Fair Housing Signage

1. The compliance review revealed the City did not post signage including the equal opportunity logo, statement or slogan³ at locations where housing rehabilitation are underway, in accordance to 24 CFR §109.30 and 24 CFR §200.620. To correct this deficiency, the City shall:
 - a. Within 60 days from the effective date of the agreement, the City shall post signage at locations where housing rehabilitation are ongoing. At a minimum, the signage shall include the city of Hattiesburg's name; and, the HUD equal opportunity logo, statement or slogan as a means of informing the public that HUD funds are expended for the housing rehabilitation.
 - b. The City shall maintain records to include pictures of signage and location where work is performed.

D. Housing Rehabilitation Waiting List

1. The compliance review revealed the City has failed to affirmatively market its housing rehabilitation program since 2009. At the time of the review, there were 171 applicants on the housing rehabilitation waiting list and no new applicants added for 9 years. As a result, the City failed to comply with 24 CFR §92.351 and 24 CFR §200.600 Subpart M. To correct this deficiency, the City shall:
 - a. Within 60 days from HUD's approval of the city of Hattiesburg AFHMP, the City shall open its housing rehabilitation waiting list to add 6 applicants per year until there are no longer applicants on its waiting list. Applicant names to the list shall be added on a first come first serve basis. A formal announcement of the City's actions is not required.
 - b. Within 60 days from HUD's approval of the city of Hattiesburg AFHMP, the City shall purge the housing rehabilitation list a minimum of 2 times per year.
 - c. The City shall process applications for its housing rehabilitation program on a first come first serve basis, at such time, when there no longer are applicants on its list.

E. Housing Rehabilitation Deficiency Corrections

1. The compliance review revealed housing rehabilitation that does not comply with Section 109, 24 CFR §6.4 (a) (viii) and Title VI, Section 602, U.S.C. §200d and 24 CFR §1.4 (iv). The City shall correct the deficiencies as follows:

³ Equal Opportunity Statement: We are pledged to the letter and spirit of U.S. policy for the achievement of equal housing opportunity throughout the Nation. We encourage and support an affirmative advertising and marketing program in which there are no barriers to obtaining housing because of race, color, religion, sex, handicap, familial status or national origin. Equal Housing Opportunity Slogan: "Equal Housing Opportunity."

- a. Within 60 days from the effective date of this Agreement, the City shall notify the homeowners below that it will inspect houses renovated through the City's housing rehabilitation program during its program years 2015, 2016 and 2017 and correct deficiencies identified:
 - i. 310 Bowling Street
 - ii. 222 J. D. Randolph Street
 - iii. 410 Milton Barnes Avenue
 - iv. 408 J.C. Killingsworth Drive
 - v. 106 Ruby Avenue
 - vi. 111 Melwood Drive
 - vii. 121 Tuscan Avenue
 - viii. 1203 Dabbs Street
- b. The City shall construct a wheelchair ramp at 222 J.D. Randolph Street. The ramp was included in the original work order, but not constructed.
- c. Within 90 days from the effective date of this Agreement, the City shall utilize an inspection report performed by HUD's Office of Inspector General or utilize an inspection report performed by an independent third party of each property shown above.
- d. Within 30 days of completion of the inspection report, the City shall provide HUD, FHEO and Community Planning and Development, with a timetable for completion of all required corrective actions.
- e. The City shall use non-Federal funds to correct deficiencies included in the inspection report.
- f. Using non-Federal funds, the City shall pay for homeowner/occupant temporary relocation costs deemed necessary, in order for the corrective work to be performed.
- g. Within 60 days from the effective date of this Agreement, the City shall notify each homeowner that it will reimburse them for any repair or replacement expenses incurred as a result of the housing renovation performed. Reimbursements shall be based on documentation received. Reimbursements shall also include, but not be limited to, inoperable equipment or damage to their dwellings.
- h. Within 60 days from receipt of the homeowner documentation, the City shall reimburse homeowners for repairs or replacement expenses incurred.
- i. Within 30 days of completion of each home renovation, notify HUD in order for HUD to perform an on-site inspection.

3. Title VI – Limited English Proficiency

- A. Language Assistance Plan. The compliance review revealed the City's LAP plan included translation services that are inconsistent with its Title VI Plan and practices.⁴ Therefore, the LAP failed to comply with Title VI and HUD's LEP Guidance effective March 5, 2007. Under Title VI and Executive Order 13166, recipients and subrecipients of federal

⁴ The city of Hattiesburg LAP Plan (referred to as its LEP Plan) states, "Anointed Hands offers will provide language assistance services for the City." However, the City's Title VI Annual Assessment Report states it, "has contact with universities and community colleges that has International Students available to provide translation services." The city of Hattiesburg staff also stated during interviews that the City utilizes the Police Department to serve as translators.

financial assistance are obligated to reduce language barriers that preclude meaningful access to important services for LEP persons. To comply with LEP obligations, the city of Hattiesburg agrees to take the followings actions:

1. Within 90 days of the effective date of this Agreement, the City shall amend its LAP to include translation services, e.g., interpreters that it will utilize such as the city of Hattiesburg's Police Department, University of Southern Mississippi, or other organizations. The translation services utilized shall be consistent with those included in the City's Title VI Plan.
2. Within 90 days the City shall include training for its Community Development employees and CHDOs on the LEP guidance and the LAP, including use of I-Speak cards and translation services the City utilizes.
3. The City's LAP Plan shall include outreach to LEP communities.
4. Within 30 days of the Department's approval of the amended LAP, the city of Hattiesburg shall provide a copy of the final approved LAP to each of its Community Development employees.

4. Section 504 and ADA

Self-Evaluation and Transition Plan. The compliance review revealed the City failed to produce a self-evaluation and transition plan in accordance to 28 CFR §§35.105 and 35.150 (d). FHEO, as a matter of routine, requests copies of self-evaluations, needs assessments or transition plans in every compliance review and compliant investigation conducted of HUD recipients.⁵ Within 60 days of the effective date of this Agreement, the City shall submit its self-evaluation and transition plan. If the City fails to submit either, it shall submit both to HUD within 180 days of the effective date of this Agreement.

5. HUD Fair Housing Civil Rights-Related Training

- A. The compliance review revealed neither the city of Hattiesburg, Community Development Department nor CHDO employees were knowledgeable of HUD's civil rights related requirements. Knowledge of the requirements is necessary to ensure the City's compliance, with Title VI, Section 109, Section 504 and the ADA. Within 120 days of the effective date of the Agreement, the City shall provide Fair Housing civil rights related training to its Community Development employees and CHDOs to include the laws and regulations cited above.
 1. The City shall provide evidence of the completion of the training with the annual report included in Section VII of the Agreement.

⁵ HUD, Office of Public and Indian Housing, Notice PIH 2010-26 (HA), July 26, 2010

VI. APPROVAL PROCESS

- A. Upon submission by the City, the Department will provide its approval or comments within 45 days of receipt of any documents provided to the Department for review and approval unless otherwise noted above. The Department will provide technical assistance to the City in modifying any such documents, if needed.
- B. The city of Hattiesburg will have 30 days from receipt of the Department's comments to modify submitted documents in accordance with the Department's comments and resubmit for approval.
- C. The Department will notify the City in writing of final approval of submitted documents. The date of this written notice will serve as the date of the Department's approval of said documents for purposes of calculating timeframes set out in this Agreement.
- D. The city of Hattiesburg will implement the approved documents within 30 days of the Department's approval of said documents unless otherwise noted above.

VII. REPORTING AND RECORDKEEPING

A. REPORTING

- 1. For the purpose of this Agreement, if the reporting day falls on a weekend or a federal holiday, the report will be due the first business day after the weekend or holiday.
- 2. Upon the effective date of this Agreement and for the duration of this Agreement, the City shall submit semiannual reports to the Department. For purposes of this Agreement, the first semiannual report will be due 180 days after the effective date of this Agreement and will cover activity from the effective date of this Agreement. The reports will be due at semiannual intervals every 180 days beginning on the effective dates of this Agreement. For purposes of this Agreement, each Semiannual Report will cover the time period of the quarter ending on the last day of the month before the end of the quarter.
- 3. Beginning 1 year after the effective date of this Agreement, the City shall provide an annual report on the disposition of the above claims, requests and grievances. Upon request, the City also will make these records available for inspection to appropriate Department employees.
- 4. For the purpose of this Agreement, the reporting materials must be sent via electronic mail or the USPS to the following person:

Ashley Lowe, Lead Equal Opportunity Specialist
Office of Fair Housing and Equal Opportunity
Jackson Field Office
McCoy Federal Building

100 West Capitol Street, Suite 910
 Jackson, Mississippi 39269-1069
Ashley.Lowe@hud.gov

B. RECORDKEEPING

1. During the term of this Agreement, the city of Hattiesburg shall maintain the following records and upon request, the City shall make these records available for review by the Department. See 24 CFR §§ 570.490, 570.492 and 570.493.
2. The City shall maintain a monitoring file for each sub-recipient. The file will include: 1) any documentation regarding any LEP guidance or technical assistance provided by the City; and 2) any documentation of Four-Factor Analyses and LAPs, or comparable documents, that were prepared by sub-recipients pursuant to Section V of this Agreement.
3. The City shall maintain files containing documentation of its efforts to meet the obligations of this Agreement.

VIII. MONITORING AND COMPLIANCE WITH THIS AGREEMENT

- A. The Department will monitor compliance with this Agreement, which may include, but is not limited to: reviewing bi-annual Reports; interviewing the City's employees and beneficiaries; conducting on-site reviews; and examining documents. By this Agreement, the City assures full cooperation with the monitoring review undertaken by the Department.
- B. The Department will determine if the City has complied with the terms of this Agreement. It is understood that no conditions in this Agreement, however, will limit or restrict the Department's legal rights to enforce Title VI, Section 109 or other applicable laws and regulations.
- C. Upon a finding of material non-compliance with this Agreement, HUD will provide the City with a written statement specifying the facts of the alleged material non-compliance and a reasonable opportunity to resolve or cure the alleged material non-compliance including an opportunity to meet and provide evidence supporting compliance. If after the above process, the City has not satisfactorily resolved the claims of material non-compliance, the Department may take any contractual, statutory, administrative or regulatory remedy available to the Department to resolve the outstanding findings of non-compliance.
- D. Prior to the expiration of any timeframe in this Agreement, the City may submit a request for an extension supported by documentation of good cause. The Department shall review requests for extensions and grant them if they are reasonable.
- E. Failure by HUD to enforce this entire Agreement or any provision in the Agreement with regard to any deadline or any other provision herein shall not be construed as a waiver of its right to do so regarding to other deadlines and provisions of this Agreement.

Furthermore, HUD's failure to enforce this entire Agreement or any provision thereof shall not be construed as a waiver of any obligation of the City under this Agreement.

IX. SIGNATURES

The signatures below attest to the acceptance and approval of the Voluntary Compliance Agreement between the U.S. Department of Housing and Urban Development and the city of Hattiesburg, Mississippi.

City of Hattiesburg, Mississippi

Mayor Toby Barker
City of Hattiesburg, Mississippi

Date

For the U.S. Department of Housing and Urban Development:

Carlos Osegueda
FHEO Region IV Director
Office of Fair Housing and Equal Opportunity

Date



VOLUNTARY COMPLIANCE AGREEMENT

WITH

**SECTION 109 OF THE HOUSING AND COMMUNITY DEVELOPMENT ACT OF
1974, AS AMENDED,**

TITLE VI OF THE CIVIL RIGHTS ACT OF 1964, AS AMENDED,

SECTION 504 OF THE REHABILITATION ACT OF 1973

BETWEEN

UNITED STATES DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

AND

CITY OF HATTIESBURG, MISSISSIPPI

CASE NUMBERS:
04-18-R-004-6 (Title VI)
04-18-R-004-9 (Section 109)

**CITY OF HATTIESBURG, MISSISSIPPI
DEPARTMENT OF COMMUNITY AFFAIRS
VOLUNTARY COMPLIANCE AGREEMENT**

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VOLUNTARY COMPLIANCE AGREEMENT

I. INTRODUCTION

The United States Department of Housing and Urban Development (HUD or Department), pursuant to its enforcement responsibilities under Section 109 of the Housing and Community Development Act of 1974 (Section 109), Title VI of the Civil Rights Act of 1964 (Title VI), and the respective implementing regulations of each Act, conducted a limited compliance review of the city of Hattiesburg, Mississippi (City or Hattiesburg). The review revealed compliance deficiencies under Section 109 and Title VI. Other deficiencies were found under Section 504 of the Rehabilitation Act of 1973 (Section 504) and the American with Disability Act of 1990 (ADA), as noted in Section V (4) of this Agreement. The purpose of the review was to determine whether the City administers its Home Investment Partnership Program (HOME), in compliance with the statutes and regulations.

The compliance review team conducted the on-site review during the week of April 9 - 13, 2018. The specific areas of examination during the review included the City's compliance with its civil rights related obligations as follows: Citizen Participation; affirmative fair housing marketing (AFHM), Limited English Proficiency (LEP); benefits, services and methods of administration with respect to the City's Homebuyer Assistance and Housing Rehabilitation Programs; and the city of Hattiesburg monitoring of its Community Housing Development Organizations (CHDOs) for compliance with Title VI, Section 109, Section 504 and ADA. The city of Hattiesburg received \$720,760 during the program years reviewed.

On April 13, 2018 the compliance review team¹ met with Toby Barker, Mayor; Clarence Williams, Community Development Division Manager; Andrew Ellard, Director of Urban Development; and Donnetta McAdoo, HUD, Jackson Field Office, Community Development Director, to discuss FHEO's findings of non-compliance. The Mayor agreed to enter into a Voluntary Compliance Agreement (VCA) with HUD to address the issues identified during the review to ensure compliance with the city's responsibilities under Title VI, Section 109, Section 504, ADA, and their respective implementing regulations. The Department and Hattiesburg having agreed to settle and voluntarily resolve the Department's findings without the necessity of formal evidentiary hearings or other judicial processes, hereby agree and consent to the terms of this Agreement.

II. REGULATORY AND LEGAL AUTHORITY

A. Section 109 of the Housing & Community Development Act of 1974

Section 109 states that "no person in the United States shall, on the grounds of race, color, national origin, religion, or sex, be excluded from participation in, be denied the benefits of, or be

¹ The compliance review team consisted of Ashley Lowe, Lead Equal Opportunity Specialist/Team Lead and Marilyn Moore-Lemons, Mississippi FHEO Programs and Compliance Director.

subjected to discrimination under any program or activity funded in whole or in part with Federal financial assistance.”

B. Title VI of the Civil Rights Act of 1964 and Implementing Regulations

Title VI of the Civil Rights Act of 1964, Section 601, 42 U.S.C. §200d, provides that no person shall “on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subject to discrimination under any program or activity receiving federal financial assistance. Section 602 authorizes and directs federal agencies that are empowered to extend federal financial assistance to any program or activity “to effectuate the provision of [Section 601] ...by issuing rules, regulations, or orders of general applicability.”

The Department’s regulations promulgated pursuant to Section 602 prohibits recipients from utilizing “criteria or methods of administration which have the effect of subjecting persons to discrimination because of their race, color, or national origin, or have the effect of defeating or substantially impairing accomplishments of the objectives of the program or activity with respect to persons of a particular race, color, or national origin.” On January 22, 2007, the Department published the final rule “Notice of Guidance to Federal Financial Assistance Recipients, regarding Title VI Prohibition against National Origin Discrimination – Affecting Limited English Proficient Person” (HUD LEP Guidance).

C. Section 504 of the Rehabilitation Act of 1973 and Implementing Regulations

Section 504 states no otherwise qualified individual with handicaps in the United States shall, solely due to his or her handicap, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance from the Department of Housing and Urban Development.

D. Title II of the American with Disability Act of 1990

Subtitle A of Title II of the Americans with Disabilities Act protects qualified individuals with disabilities based on disability in the services, programs or activities of all State and local governments. The ADA states a public entity shall, within one year of the effective date of this part, evaluate its current services, policies, and practices, and the and the effects thereof, that do not or may not meet the requirements of this part and, to the extent modification of any such services, policies, and practices is required, the public entity shall proceed to make the necessary modifications.

In the event that structural changes to facilities will be undertaken to achieve program accessibility, a public entity that employs 50 or more persons shall develop, within six months of January 26, 1992, a transition plan setting forth the steps necessary to complete such changes. A public entity shall provide an opportunity to interested persons, including individuals with disabilities or organizations representing individuals with disabilities, to participate in the development of the transition plan by submitting comments. A copy of the transition plan shall be made available for public inspection.

III. DEFINITIONS

Recipient - The term “Recipient” is the meaning specified at 24 CFR § 1.2(0).

Federal Financial Assistance – The term “Federal financial assistance” is the meaning as specified at 24 CFR Part I § 1.2 (e).

Language Access Plan (LAP) – A written implementation plan that addresses identified needs of the LEP persons they serve. Recipients should have a process for continuously monitoring and updating the plan. (HUD LEP Guidance)

Language Assistance – Assistance must be provided in a manner which assists the LEP person to participate in the program and/or services. Assistance from a Recipient to a LEP Person may include, but is not limited to providing oral interpretation services, bilingual staff, telephone service line interpreters, written translation services, notices to staff and Recipients of the availability of LEP services; or referral to community liaisons proficient in the language of the LEP persons.

LEP Four-Factor Analysis – The analysis that Recipients of HUD funding are required to use to determine what language assistant measures are sufficient to assist LEP persons in the different programs and activities in which the Recipient engages, as described in “Final Guidance to Federal Financial Assistant Recipients regarding Title VI Prohibition against National Origin Discrimination, affecting Limited English Proficient Persons” published in the Federal Register (January 22, 2007).

Limited English Proficient Individuals – Individuals who do not speak English as their language and who have a limited ability to speak, read, write, or understand English because of their national origin. For purposes of Title VI and the LEP Guidance, persons may be entitled to language assistance with respect to a particular service, benefit, or encounter. (HUD LEP Guidance).

IV. GENERAL PROVISIONS

- A. This Voluntary Compliance Agreement applies to all Federally funded projects under the programs or activities that the city of Hattiesburg, its agents, successors, assignees, and beneficiaries owns, controls, operates, or sponsors.
- B. The effective date of this Agreement is the date of the last signature in Section IX. This Agreement shall be binding on all the officers, trustees, directors, agents, employees, successors, and assignees of the city of Hattiesburg and the Department. This Agreement shall remain in effect until Hattiesburg has satisfactorily completed the provisions set forth in this Agreement; or for a minimum of 3 years after the effective date of this Agreement, whichever is later. Notwithstanding these provisions, the city of Hattiesburg may request that the

Department terminate this Agreement within the 3-year period, if the city of Hattiesburg believes it has satisfactorily completed the provisions of this Agreement.

- C. The city of Hattiesburg's Consolidated Plans, Annual Action Plans, and Consolidated Annual Performance and Evaluation Reports must be consistent with the requirements of this Agreement. The City shall amend the above Plans, as necessary, in order to ensure the adoption of the requirements of this Agreement, including policies with respect to Affirmative Fair Housing Marketing, LEP and Hattiesburg's Section 504 and ADA self-evaluation and transition plan; and monitoring and training of CHDOs with respect to any or all of the aforementioned matters.
- D. This Agreement does not increase or diminish the ability of any person or class of persons to exercise their rights under Section 109, Title VI, Section 504, ADA the Fair Housing Act, or any other federal, state, or local civil rights statutes or authorities. This Agreement does not create any private right of action for any person or class of persons not a party to this Agreement.
- E. This Agreement does not affect the ability of the Department or Hattiesburg to take action under appropriate statutory or regulatory authorities unrelated to issues covered by this VCA.
- F. This Agreement does not limit or restrict the Department's authority to investigate any complaints against the city of Hattiesburg or its CHDOs made pursuant to Section 109, Title VI, Section 504, ADA or any other statutory or regulatory authority within the Department's jurisdiction.
- G. This Agreement is a public document upon the effective date of signing of this Agreement. A copy of this Agreement shall be made available to any person for his/her review, in accordance with the law. The city of Hattiesburg shall provide a copy of this Agreement to any person upon written request.
- H. The city of Hattiesburg shall provide a copy of reporting data it generates to comply with this Agreement to any person, upon request, in accordance with the Privacy Act, and the State of Mississippi's Public Records Act. In no event will public disclosure include personally identifiable information regarding applicants or residents, if such disclosure violates the Federal Privacy Act.
- I. To the extent that any prior Departmental guidance (written or oral) in the form of waivers, administrative decisions, letters, opinions, or similar guidance regarding the city of Hattiesburg's obligations, responsibilities, or technical requirements under Section 109, Title VI, Section 504, ADA conflicts with this Agreement, this Agreement is the controlling document from the effective date of this Agreement.
- J. This Agreement does not supersede, or in any manner change the rights, obligations, and responsibilities of the parties under all court orders, or settlements of other controversies involving compliance with civil rights statutes.

- K. This Agreement does not affect any requirements for the city of Hattiesburg to comply with all requirements of Section 109, Title VI, Section 504 and ADA, not addressed in this Agreement.
- L. The city of Hattiesburg shall hire or appoint appropriate personnel to oversee compliance with the provisions of this Agreement.
- M. The city of Hattiesburg will provide in alternate formats, upon request, all notices correspondences and/or communications that this Agreement requires to be disseminated. See 24 C.F.R. § 8.6.
- N. The city of Hattiesburg and the Department agree that nothing contained in this VCA shall be construed to be a final finding or determination by the Department that the city of Hattiesburg or any of its agents or employees intentionally engaged in unlawful practices that may have had the effect of illegally discriminating based on race, color, national origin, religion or sex. The parties agree that nothing contained in this document shall be construed as an admission of liability by the city of Hattiesburg or any of its agents or employees with respect to the Department's findings.

V. SPECIFIC PROVISIONS

1. Voluntary Compliance Agreement Administrator

- A. Within 30 days of the effective date of the Agreement, the city of Hattiesburg shall designate a Voluntary Compliance Agreement Administrator (VCA Administrator) to perform the following responsibilities:
 - a. Coordinate all compliance activities under this Agreement;
 - b. Implement the provisions of this Agreement;
 - c. Coordinate the activities of the City employees who will assist the VCA Administrator in implementing this Agreement;
 - d. Submit all reports, records and plans required by this Agreement.
- B. The City shall have a VCA Administrator for the duration of this Agreement.
- C. The City shall commit sufficient resources so that the VCA Administrator shall successfully accomplish the provisions in the Agreement.
- D. In the event that the VCA Administrator resigns or is otherwise terminated prior to the expiration of this Agreement, the City shall designate an Acting VCA Administrator within 14 days of this resignation or termination notice of the VCA Administrator. Upon designation, the City shall provide HUD with the name of the person selected to serve as the Acting VCA Administrator.
- E. Within 60 days of the termination or resignation of the VCA Administrator, the City shall select a new VCA Administrator. Upon designation, the City shall provide HUD with written notice of the new VCA Administrator.

2. Title VI and Section 109

A. Affirmative Fair Housing Marketing Procedures

1. The compliance review revealed the city of Hattiesburg did not have affirmative marketing procedures and requirements (AFHMP or Plan) in place, pursuant to 24 CFR §92.351 and 24 CFR §200.600 Subpart M. Within 90 days of the effective date of this Agreement, the City shall submit affirmative marketing procedures and requirements (AFHMP or Plan) for housing containing 5 or more HOME-assisted units to HUD for approval. Affirmative marketing steps consist of actions to provide information and otherwise attract eligible persons, including those least likely to apply in the housing market area. The affirmative marketing requirements and procedures adopted shall include:
 - a. Methods for informing the public and potential tenants about Federal fair housing laws and the city of Hattiesburg affirmative marketing policy (e.g., the use of the Equal Opportunity logotype or slogan on the city's pamphlets, brochures, press releases and solicitations for owners, and written communication to fair housing and other groups);
 - b. Requirements and practices each CHDO and/or subrecipient must adhere to in order to carry out the city of Hattiesburg's affirmative marketing procedures and requirements (e.g., use of commercial media, use of community contacts, use of the Equal Housing Opportunity logotype or slogan, and display of the fair housing poster);
 - c. Procedures to be used by CHDOs and/or subrecipients to inform and solicit applications from persons in the housing market area who are not likely to apply for the housing without special outreach (e.g., use of community organizations, places of worship, employment centers, fair housing groups or housing counseling agencies);
 - d. Records that will be kept describing actions taken by the city of Hattiesburg and CHDOs and/or subrecipients to affirmatively market units and records to assess the results of these actions; and
 - e. A description of how the city of Hattiesburg will annually assess the success of affirmative marketing actions and corrective actions that will be taken when affirmative marketing requirements are not met.²
 - f. HUD shall review the affirmative marketing plan within 15 days of submission.

B. Affirmative Fair Housing Marketing of HOME Programs

1. The compliance review revealed the City did not affirmatively market its HOME program in accordance to 24 CFR §92.351 and 24 CFR §200.600 Subpart M. To correct this deficiency the city shall:
 - a. Within 60 days from HUD's approval of the city of Hattiesburg AFHMP, the city of Hattiesburg shall market its HOME programs, including its housing rehabilitation and homebuyer assistance programs consistent with its plan.

² It is desirable to include the plan in the Consolidated Plan submission to raise public awareness of the Participating Jurisdiction's affirmative marketing efforts and subject the plan to ongoing public review.

- b. Maintain records of its affirmative marketing efforts in accordance to 24 CFR §1.6(b) and 24 CFR §570.490.

C. Affirmative Fair Housing Signage

1. The compliance review revealed the City did not post signage including the equal opportunity logo, statement or slogan³ at locations where housing rehabilitation are underway, in accordance to 24 CFR §109.30 and 24 CFR §200.620. To correct this deficiency, the City shall:
 - a. Within 60 days from the effective date of the agreement, the City shall post signage at locations where housing rehabilitation are ongoing. At a minimum, the signage shall include the city of Hattiesburg's name; and, the HUD equal opportunity logo, statement or slogan as a means of informing the public that HUD funds are expended for the housing rehabilitation.
 - b. The City shall maintain records to include pictures of signage and location where work is performed.

D. Housing Rehabilitation Waiting List

1. The compliance review revealed the City has failed to affirmatively market its housing rehabilitation program since 2009. At the time of the review, there were 171 applicants on the housing rehabilitation waiting list and no new applicants added for 9 years. As a result, the City failed to comply with 24 CFR §92.351 and 24 CFR §200.600 Subpart M. To correct this deficiency, the City shall:
 - a. Within 60 days from HUD's approval of the city of Hattiesburg AFHMP, the City shall open its housing rehabilitation waiting list to add 6 applicants per year until there are no longer applicants on its waiting list. Applicant names to the list shall be added on a first come first serve basis. A formal announcement of the City's actions is not required.
 - b. Within 60 days from HUD's approval of the city of Hattiesburg AFHMP, the City shall purge the housing rehabilitation list a minimum of 2 times per year.
 - c. The City shall process applications for its housing rehabilitation program on a first come first serve basis, at such time, when there no longer are applicants on its list.

E. Housing Rehabilitation Deficiency Corrections

1. The compliance review revealed housing rehabilitation that does not comply with Section 109, 24 CFR §6.4 (a) (viii) and Title VI, Section 602, U.S.C. §200d and 24 CFR §1.4 (iv). The City shall correct the deficiencies as follows:

³ Equal Opportunity Statement: We are pledged to the letter and spirit of U.S. policy for the achievement of equal housing opportunity throughout the Nation. We encourage and support an affirmative advertising and marketing program in which there are no barriers to obtaining housing because of race, color, religion, sex, handicap, familial status or national origin. Equal Housing Opportunity Slogan: "Equal Housing Opportunity."

- a. Within 60 days from the effective date of this Agreement, the City shall notify the homeowners below that it will inspect houses renovated through the City's housing rehabilitation program during its program years 2015, 2016 and 2017 and correct deficiencies identified:
 - i. 310 Bowling Street
 - ii. 222 J. D. Randolph Street
 - iii. 410 Milton Barnes Avenue
 - iv. 408 J.C. Killingsworth Drive
 - v. 106 Ruby Avenue
 - vi. 111 Melwood Drive
 - vii. 121 Tuscan Avenue
 - viii. 1203 Dabbs Street
- b. The City shall construct a wheelchair ramp at 222 J.D. Randolph Street. The ramp was included in the original work order, but not constructed.
- c. Within 90 days from the effective date of this Agreement, the City shall utilize an inspection report performed by HUD's Office of Inspector General or utilize an inspection report performed by an independent third party of each property shown above.
- d. Within 30 days of completion of the inspection report, the City shall provide HUD, FHEO and Community Planning and Development, with a timetable for completion of all required corrective actions.
- e. The City shall use non-Federal funds to correct deficiencies included in the inspection report.
- f. Using non-Federal funds, the City shall pay for homeowner/occupant temporary relocation costs deemed necessary, in order for the corrective work to be performed.
- g. Within 60 days from the effective date of this Agreement, the City shall notify each homeowner that it will reimburse them for any repair or replacement expenses incurred as a result of the housing renovation performed. Reimbursements shall be based on documentation received. Reimbursements shall also include, but not be limited to, inoperable equipment or damage to their dwellings.
- h. Within 60 days from receipt of the homeowner documentation, the City shall reimburse homeowners for repairs or replacement expenses incurred.
- i. Within 30 days of completion of each home renovation, notify HUD in order for HUD to perform an on-site inspection.

3. Title VI – Limited English Proficiency

- A. Language Assistance Plan. The compliance review revealed the City's LAP plan included translation services that are inconsistent with its Title VI Plan and practices.⁴ Therefore, the LAP failed to comply with Title VI and HUD's LEP Guidance effective March 5, 2007. Under Title VI and Executive Order 13166, recipients and subrecipients of federal

⁴ The city of Hattiesburg LAP Plan (referred to as its LEP Plan) states, "Anointed Hands offers will provide language assistance services for the City." However, the City's Title VI Annual Assessment Report states it, "has contact with universities and community colleges that has International Students available to provide translation services." The city of Hattiesburg staff also stated during interviews that the City utilizes the Police Department to serve as translators.

financial assistance are obligated to reduce language barriers that preclude meaningful access to important services for LEP persons. To comply with LEP obligations, the city of Hattiesburg agrees to take the followings actions:

1. Within 90 days of the effective date of this Agreement, the City shall amend its LAP to include translation services, e.g., interpreters that it will utilize such as the city of Hattiesburg's Police Department, University of Southern Mississippi, or other organizations. The translation services utilized shall be consistent with those included in the City's Title VI Plan.
2. Within 90 days the City shall include training for its Community Development employees and CHDOs on the LEP guidance and the LAP, including use of I-Speak cards and translation services the City utilizes.
3. The City's LAP Plan shall include outreach to LEP communities.
4. Within 30 days of the Department's approval of the amended LAP, the city of Hattiesburg shall provide a copy of the final approved LAP to each of its Community Development employees.

4. Section 504 and ADA

Self-Evaluation and Transition Plan. The compliance review revealed the City failed to produce a self-evaluation and transition plan in accordance to 28 CFR §§35.105 and 35.150 (d). FHEO, as a matter of routine, requests copies of self-evaluations, needs assessments or transition plans in every compliance review and compliant investigation conducted of HUD recipients.⁵ Within 60 days of the effective date of this Agreement, the City shall submit its self-evaluation and transition plan. If the City fails to submit either, it shall submit both to HUD within 180 days of the effective date of this Agreement.

5. HUD Fair Housing Civil Rights-Related Training

- A. The compliance review revealed neither the city of Hattiesburg, Community Development Department nor CHDO employees were knowledgeable of HUD's civil rights related requirements. Knowledge of the requirements is necessary to ensure the City's compliance, with Title VI, Section 109, Section 504 and the ADA. Within 120 days of the effective date of the Agreement, the City shall provide Fair Housing civil rights related training to its Community Development employees and CHDOs to include the laws and regulations cited above.
 1. The City shall provide evidence of the completion of the training with the annual report included in Section VII of the Agreement.

⁵ HUD, Office of Public and Indian Housing, Notice PIH 2010-26 (HA), July 26, 2010

VI. APPROVAL PROCESS

- A. Upon submission by the City, the Department will provide its approval or comments within 45 days of receipt of any documents provided to the Department for review and approval unless otherwise noted above. The Department will provide technical assistance to the City in modifying any such documents, if needed.
- B. The city of Hattiesburg will have 30 days from receipt of the Department's comments to modify submitted documents in accordance with the Department's comments and resubmit for approval.
- C. The Department will notify the City in writing of final approval of submitted documents. The date of this written notice will serve as the date of the Department's approval of said documents for purposes of calculating timeframes set out in this Agreement.
- D. The city of Hattiesburg will implement the approved documents within 30 days of the Department's approval of said documents unless otherwise noted above.

VII. REPORTING AND RECORDKEEPING

A. REPORTING

- 1. For the purpose of this Agreement, if the reporting day falls on a weekend or a federal holiday, the report will be due the first business day after the weekend or holiday.
- 2. Upon the effective date of this Agreement and for the duration of this Agreement, the City shall submit semiannual reports to the Department. For purposes of this Agreement, the first semiannual report will be due 180 days after the effective date of this Agreement and will cover activity from the effective date of this Agreement. The reports will be due at semiannual intervals every 180 days beginning on the effective dates of this Agreement. For purposes of this Agreement, each Semiannual Report will cover the time period of the quarter ending on the last day of the month before the end of the quarter.
- 3. Beginning 1 year after the effective date of this Agreement, the City shall provide an annual report on the disposition of the above claims, requests and grievances. Upon request, the City also will make these records available for inspection to appropriate Department employees.
- 4. For the purpose of this Agreement, the reporting materials must be sent via electronic mail or the USPS to the following person:

Ashley Lowe, Lead Equal Opportunity Specialist
Office of Fair Housing and Equal Opportunity
Jackson Field Office
McCoy Federal Building

100 West Capitol Street, Suite 910
Jackson, Mississippi 39269-1069
Ashley.Lowe@hud.gov

B. RECORDKEEPING

1. During the term of this Agreement, the city of Hattiesburg shall maintain the following records and upon request, the City shall make these records available for review by the Department. See 24 CFR §§ 570.490, 570.492 and 570.493.
2. The City shall maintain a monitoring file for each sub-recipient. The file will include: 1) any documentation regarding any LEP guidance or technical assistance provided by the City; and 2) any documentation of Four-Factor Analyses and LAPs, or comparable documents, that were prepared by sub-recipients pursuant to Section V of this Agreement.
3. The City shall maintain files containing documentation of its efforts to meet the obligations of this Agreement.

VIII. MONITORING AND COMPLIANCE WITH THIS AGREEMENT

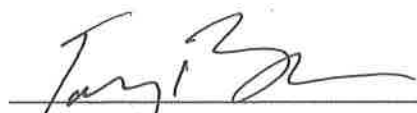
- A. The Department will monitor compliance with this Agreement, which may include, but is not limited to: reviewing bi-annual Reports; interviewing the City's employees and beneficiaries; conducting on-site reviews; and examining documents. By this Agreement, the City assures full cooperation with the monitoring review undertaken by the Department.
- B. The Department will determine if the City has complied with the terms of this Agreement. It is understood that no conditions in this Agreement, however, will limit or restrict the Department's legal rights to enforce Title VI, Section 109 or other applicable laws and regulations.
- C. Upon a finding of material non-compliance with this Agreement, HUD will provide the City with a written statement specifying the facts of the alleged material non-compliance and a reasonable opportunity to resolve or cure the alleged material non-compliance including an opportunity to meet and provide evidence supporting compliance. If after the above process, the City has not satisfactorily resolved the claims of material non-compliance, the Department may take any contractual, statutory, administrative or regulatory remedy available to the Department to resolve the outstanding findings of non-compliance.
- D. Prior to the expiration of any timeframe in this Agreement, the City may submit a request for an extension supported by documentation of good cause. The Department shall review requests for extensions and grant them if they are reasonable.
- E. Failure by HUD to enforce this entire Agreement or any provision in the Agreement with regard to any deadline or any other provision herein shall not be construed as a waiver of its right to do so regarding to other deadlines and provisions of this Agreement.

Furthermore, HUD's failure to enforce this entire Agreement or any provision thereof shall not be construed as a waiver of any obligation of the City under this Agreement.

IX. SIGNATURES

The signatures below attest to the acceptance and approval of the Voluntary Compliance Agreement between the U.S. Department of Housing and Urban Development and the city of Hattiesburg, Mississippi.

City of Hattiesburg, Mississippi



Mayor Toby Barker
City of Hattiesburg, Mississippi

5-22-18

Date

For the U.S. Department of Housing and Urban Development:

Carlos Osegueda
FHEO Region IV Director
Office of Fair Housing and Equal Opportunity

Date



City of Hattiesburg, MS

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

Master

File Number: 2018-475

File ID: 2018-475

Type: Regular Agenda Item

Status: Passed

Version: 1

Reference:

In Control: City Council

Requester: Ann Jones

File Created: 05/16/2018

Brief Title: Approve or deny Manpower Adjustments for Water Department, Public Works Department, Fire Department and Administration Department, 5-22-18.

Final Action: 05/22/2018

Minute Book Number: MB2018-134

Title:

Approve or deny manpower adjustments for Water Department, Public Works Department, Fire Department, and Administration Department in accordance with Ordinance 3154.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-14

Sponsors:

Enactment Date:

Attachments: Public Works Alignment 2018

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/22/2018	Approve				Pass
Action Text: A MOTION was made by Council Vice President Dryden and seconded by Council Member George to Approve manpower adjustments for Water Department, Public Works Department, Fire Department, and Administration Department in accordance with Ordinance 3154.							
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 2018-475

Title

Approve or deny manpower adjustments for Water Department, Public Works Department, Fire Department, and Administration Department in accordance with Ordinance 3154.

Summary

Approve or deny Manpower Adjustments for Water Department, Public Works Department, Fire Department and Administration Department, 5-22-18.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

Public Works/Water/Fire Administration Department							
Proposed Realignment							
Position	Manpower #	Fund #	Name	Existing Budget	Current Salary	Salary after Seniority	Proposed Alignment
Public Works Department							
Deputy Director-Solid Waste		1220	Wanda Turner				\$ 60,000.00
Deputy Director-Streets		1201	Colton Hill		\$ 52,500.00		\$ 55,000.00
Deputy Director-Maintenance		1204	Perry Thomas		\$ 39,998.00	\$ 41,558.00	\$ 52,000.00
Electrian Position		1207					\$ 35,000.00
Delete Position of General Manager	GENLMGR201	1201		\$ 53,280.00	\$ 52,500.00	\$ 53,020.00	
Delete Position of Director	DIRECTOR201	1201		\$ 65,260.00			
Delete position of Crew Supervisor-Traffic	DCRWSPVR191	1191		\$ 33,540.00			\$ -
Delete position of Crew Worker-Streets	CRWWKR201-4	1201		\$ 21,060.00			
Division Manager-Traffic	DIVMGRCATB191	1191	Cecil Ellenburg	\$ 40,760.00	\$ 33,280.00	\$ 34,320.00	\$ 39,000.00
Division Manager-Street	DIVMGRCATC201-1	1201	Harold Bruten	\$ 44,332.00	\$ 42,765.00	\$ 45,884.00	\$ 45,885.00
Division Manager Street	DIVMGRCATC201-2	1201	Maurice Sutton	\$ 38,656.00	\$ 37,877.00	\$ 39,436.00	\$ 40,000.00
Delete position of Division Manager -Shop	DIVMGRCATB204	1204		\$ 40,780.00	\$ 39,998.00	\$ 41,558.00	
Division Manager-Sanitation	DIVMGRCATC205	1205	Oliver Gilmore	\$ 41,300.00	\$ 39,998.00	\$ 42,598.00	\$ 42,598.00
Division Manger-Construction	DIVMGRCATB207	1207	Ray Hicks	\$ 45,186.00	\$ 43,617.00	\$ 46,738.00	\$ 46,738.00
Division Manager-Health	DIVMGRCATC250	1250	Keith Parks	\$ 36,560.00	\$ 35,006.00	\$ 38,126.00	\$ 40,000.00
Division Manger-Sustainibility	SUSTOFF220	1220	Nkrumah Frazier	\$ 40,260.00	\$ 39,998.00	\$ 40,518.00	\$ 40,518.00
Shop Foreman-Shop	SHOPFRMN204	1204	George Ray	\$ 32,760.00	\$ 32,240.00	\$ 33,800.00	\$ 35,000.00
Crew Foreman Streets	CRWFRMN201-3	1201	Charles Paige	\$ 34,798.00	\$ 35,838.40	\$ 35,838.40	\$ 36,838.40
				\$ 568,532.00			\$ 568,577.40
Position	Manpower #	Fund #	Name	Existing Budget	Current Salary	Salary after Seniority	Proposed Alignment
Water Department							
Director	DIRECTOR672-1	9672	Alan Howe	\$ 65,260.00	\$ 75,000.00	\$ 75,000.00	\$ 82,500.00
Retitle GM Position to Electrician	TBD	9762		\$ 44,470.00	\$ -	\$ -	\$ 38,000.00
Division Manager-Water Transmission	DIVMGRCATB191	9672	Steve Bullock	\$ 36,560.00	\$ 23,920.00	\$ 24,440.00	\$ 40,000.00
Crew Forman-Water Transmission	CREWFRMN672-5	9672	Terry Milsap	\$ 24,180.00	\$ 35,006.40	\$ 38,126.40	\$ 38,126.40
Division Manager-Sewer	DIVMGRCATC676	9676	Jeffery Green	\$ 35,006.40	\$ 36,300.00	\$ 37,606.40	\$ 42,000.00
Crew Forman-Sewer	CRWFRMN676-2	9676	Dwight Miles	\$ 27,300.00	\$ 27,040.00	\$ 28,080.00	\$ 29,120.00
Division Manager-Water Plant	DIVMGRCATC673	9673	Mike Perkins	\$ 36,040.00	\$ 35,006.40	\$ 37,086.00	\$ 41,000.00
Delete Position of Crew Forman-Transmission	CRWFRMN672-2	9672		\$ 25,407.00			
Delete Position of Crew Worker-Sewer	CRWWKR676-4	9676		\$ 20,800.00			
Delete Position of Crew Worker-Transmission	CRWWKR672-1	9672		\$ 20,800.00			
Retitle Officer Manager to Division Manager-Cust Accounts	TBD	9660	Wanda Turner	\$ 29,252.00	\$ 29,252.00		\$ 39,000.00
Assessment/Collection Assistant-Cust Accounts	ASMCOLAST660-1	9660	Vacant	\$ 22,880.00	\$ 22,880.00		\$ 22,880.00
Assessment/Collection Assistant-Cust Accounts	ASMCOLAST660-2	9660	Heather Vance	\$ 20,800.00	\$ 20,800.00		\$ 22,880.00
Assessment/Collection Assistant-Cust Accounts	ASMCOLAST660-3	9660	Cathy Gray	\$ 24,003.00	\$ 24,003.00		\$ 26,000.00
Assessment/Collection Assistant-Cust Accounts	ASMCOLAST660-4	9660	Wanda Jones	\$ 20,800.00	\$ 20,800.00		\$ 22,880.00
Assessment/Collection Assistant-Cust Accounts	ASMCOLAST660-5	9660	Vacant	\$ 20,800.00	\$ 20,800.00		\$ 22,880.00
Office Asstistant- Cust Accounts	OFFASST660	9660	Shawana Coleman	\$ 23,525.00	\$ 23,525.00		\$ 25,584.00
				\$ 497,883.40			\$ 492,850.40
Position	Manpower #	Fund #	Name	Existing Budget	Current Salary	Salary after Seniority	Proposed Alignment
Fire Department							
Office Assistant-Fire	OFFASST160	1160	Linda Kennedy	\$ 21,507.00	\$ 22,880.00		\$ 22,880.00
Position	Manpower #	Fund #	Name	Existing Budget	Current Salary	Salary after Seniority	Proposed Alignment
Human Resources							
Human Resources Specialist-Human Resources	HRSPEC80-1	1080	Brenda Childress	\$ 43,000.00	\$ 43,000.00		\$ 48,000.00
Human Resources Specialist-Human Resources	HRSPEC80-2	1080	Brenda Trotter	\$ 39,000.00	\$ 39,000.00		\$ 48,000.00
	HRMGR80	1080		\$ 61,306.00			\$ 30,653.00
				\$ 143,306.00			\$ 126,653.00



City of Hattiesburg, MS

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

Master

File Number: 2018-474

File ID: 2018-474

Type: Resolution

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 05/15/2018

Brief Title: Adopt the May 22, 2018, Budget Amendments and resolution.

Final Action: 05/22/2018

Minute Book Number: MB2018-134

Title:

Adopt the May 22, 2018 Amendments to the Budget for the City of Hattiesburg for the fiscal year ending September 30, 2018 and adopt resolution authorizing publication of amendments for funds in excess of 10% of the original appropriation fund balance.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-15

Sponsors:

Enactment Date:

Attachments: May 2018 Budget Amendments, RES#2018-74, executed May 2018 Budget Amendments

Enactment Number:

Contact:

Meeting Date: 05/22/2018

Drafter:

Effective Date:

History of Legislative File

Version:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	05/21/2018					
1	City Council	05/22/2018	Adopt				Pass
Action Text: A MOTION was made by Council Member George and seconded by Council Member Brown to Adopt the May 22, 2018 Amendments to the Budget for the City of Hattiesburg for the fiscal year ending September 30, 2018 and adopt resolution authorizing publication of amendments for funds in excess of 10% of the original appropriation fund balance.							
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 2018-474

Title

Adopt the May 22, 2018 Amendments to the Budget for the City of Hattiesburg for the fiscal year ending September 30, 2018 and adopt resolution authorizing publication of amendments for funds in excess of 10% of the original appropriation fund balance.

Summary

Adopt the May 22, 2018, Budget Amendments and resolution.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

newspaper

MEMORANDUM

TO : *Mayor Barker, Members of City Council*
FROM : *Connie Everett, Interim CFO*
DATE : *May 22, 2018*
SUBJECT : *Proposed Amendments, FY 2018*

Below is a summary of proposed amendments to the FY 2018 budget. Attached is a more detailed list of proposed changes to the General Fund, detailing the impact to the Fund's budgeted ending cash. Descriptions are also included for proposed changes to the budgets of other funds.

- Amendments for the General Fund are funded without using the budgeted ending fund balance. It remains the same at \$2,180,412.

Significant items specifically for the **General Fund** include:

- The Council budget was increased to cover audit costs for the FY 2017 audit as well as costs associated with additional research on the FY 2015 audit to determine methodology used by previous auditors.
- A budget was established for the Elections cost center to cover the costs of the school bond issue election.
- Roof repairs for the Hattiesburg American building.
- The Police Department requested budget increases for telephone costs, equipment rent, towing charges, travel expenses for training.
- An increase to the Engineering costs for design engineering on various projects.
- Budgets for disaster repairs were decreased in certain departments where repairs have been completed.

Significant budget adjustments in other funds include:

Water & Sewer Operation & Maintenance Fund:

- An increase for the collection cost of unpaid water & sewer accounts, per the city's agreement with Water Company of America. Increase budget for audit costs.

Mass Transit Fund:

- Previously approved grant expenditures for security equipment and farebox media equipment were omitted in error on previous amendments.

Memorandum
May 22, 2018
Page 2

Water & Sewer Construction Fund:

- The budget was increased to cover the cost of replacing the bridge into the south lagoon.

Police Forfeitures Fund:

- Revenue received this fiscal year was budgeted for purchase of equipment and supplies and relocation of the service center building.

If you have questions concerning the information presented, please give me a call.

RECAP OF PROPOSED AMENDMENTS**May 22, 2018****FY 2018****GENERAL FUND:****Budgeted Ending Cash as amended** **2,180,412**

Amendments to Revenues:

Miscellaneous - contribution for Hazmat supplies)	3,000	
Total Amendments to Revenues		3,000

Amendments to Expenditures:

City Council - audit expense	(100,000)	
Elections - establish budget	(50,500)	
Gen.Govt.Bldg - Hburg American Bldg roof	(20,000)	
Police - telephone, travel, equip.rent, towing	(19,000)	
Police/Fire Training - Hazmat supplies	(3,000)	
Engineering - general engineering costs	(40,000)	
Federal Programs - decrease budget for tornado rprs	100,000	
Fire - decrease budget for tornado rprs	6,563	
Ins/Other Svcs - decrease equip rpr budget	32,000	
Streets - decrease budget for tornado rprs	80,937	
Airport - decrease equipment repair budget	10,000	
Total Amendments to General Fund Expenditures		(3,000)
Budgeted Ending Cash, as Amended		<u>\$ 2,180,412</u>

MUNICIPAL FIRE PROTECTION FUND:

Reclassify capital budget for vehicle repairs	\$ 45,000
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WATER & SEWER OPERATION & MAINTENANCE FUND:

Increase budget for collection cost of unpaid water & sewer accounts and audit costs	\$ 135,000
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POLICE FORFEITURES FUND:

Budget revenue received for equipment purchases and service center building relocation	\$ 77,664
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MASS TRANSIT FUND:

Adjust budget for grant-approved security equipment and farebox media equipment	\$ 320,631
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WATER & SEWER CONSTRUCTION FUND:

Increase budget for bridge replacement at south lagoon entrance	\$ 400,000
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RESOLUTION

WHEREAS, the Mayor and City Council of the City of Hattiesburg, Mississippi, have determined that expenditures within the City will exceed the original budget appropriation; and

WHEREAS, the additional appropriation needed is in excess of ten percent (10%) of the original appropriation, and in accordance with Section 21-35-25 of the Mississippi Code of 1972, as amended, shall be published;

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF HATTIESBURG:

Section 1. That the following budget amendments are hereby authorized to be made in the City's General Fund General Government Supplies Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$284,914	\$31,308	\$316,222	Adjust budget for prior year purchase orders for tornado repairs; establish budget for school bond issue election

Section 2. That the following budget amendments are hereby authorized to be made in the City's Municipal Fire Protection Fund Supplies Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$69,742	\$45,000	\$114,742	Increase budget for vehicle repairs

Section 3. That the following budget amendments are hereby authorized to be made in the City's Police Forfeitures Fund Supplies Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$41,441	\$15,734	\$57,175	Budget revenue received for purchase of supplies

Section 4. That the following budget amendments are hereby authorized to be made in the City's Police Forfeitures Fund Other Services & Charges Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$6,600	\$36,930	\$43,530	Budget revenue received for travel and training costs

Section 5. That the following budget amendments are hereby authorized to be made in
the City's Police Forfeitures Fund Capital Outlay Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$258,917	\$35,000	\$293,917	Budget revenue received for relocation of service center bldg

Section 6. That the following budget amendments are hereby authorized to be made in
the City's Mass Transit Fund Capital Outlay Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$2,555,695	\$559,764	\$3,115,459	Increase budget for security and farebox equipment

Section 7. That the following budget amendments are hereby authorized to be made in
the City's Water & Sewer Construction Fund Capital Outlay Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$3,217,000	\$750,000	\$3,967,000	Adjust budget for sewer and drainage repairs and replace bridge at south lagoon

Section 8. That the following budget amendments are hereby authorized to be made in
the City's Water & Sewer Operation & Maintenance Fund Other Services & Charges Unappropriated
Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$6,398,194	\$660,000	\$7,058,194	Adjust budget for water & sewer line repairs; fee for collection of unrealized utility revenue; audit costs

Section 9. That public interest and necessity requiring same, this resolution shall become
effective immediately from and after passage, but nevertheless to be published according to law.

The above and foregoing Resolution, after having been first reduced to writing, was
introduced by Councilperson _____, seconded by Councilperson
_____, and was adopted by the following, to wit;

YEAS:

NAYS:

The President thereby declared the motion carried and the Resolution adopted, this the 22nd day of May, 2018.

(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 22nd day of May, 2018.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
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Revenues & Beg. Cash Balance:

Taxes -Other	\$35,000		\$35,000		\$35,000		\$35,000
Licenses & Permits	4,520,900		4,520,900		\$4,520,900		\$4,520,900
Intergovernmental Revenues:							
Federal	2,844,703	1,295,388	4,140,091	8,000	\$4,148,091		\$4,148,091
State	168,299	100,000	268,299		\$268,299		\$268,299
State-Shared	22,799,000	56,166	22,855,166		\$22,855,166		\$22,855,166
County/City Shared	0		0		\$0		\$0
Charges for Services:							
Public Safety	202,000		202,000		\$202,000		\$202,000
Streets	1,000		1,000		\$1,000		\$1,000
Sanitation	2,195,000		2,195,000		\$2,195,000		\$2,195,000
Misc.	0		0		\$0		\$0
Fines & Forf.	1,238,000		1,238,000		\$1,238,000		\$1,238,000
Misc. Revenues	299,400		299,400	15,000	\$314,400	3,000	\$317,400
Transfers-In	890,000	74,465	964,465		\$964,465		\$964,465
Non-Revenue Receipts	1,127,412	575,000	1,702,412		\$1,702,412		\$1,702,412
TOTAL REVENUES EXCLUSIVE OF			0		0		\$0
PROPERTY TAXES							
Beg. Fund Balance	\$36,320,714	\$2,101,019	\$38,421,733	\$23,000	\$38,444,733	\$3,000	\$38,447,733
Property Tax Levy	6,500,000	-1,157,710	5,342,290		\$5,342,290		5,342,290
	17,114,000	0	17,114,000		\$17,114,000		17,114,000
TOTAL AVAIL. REVENUES	\$59,934,714	\$943,309	\$60,878,023	\$23,000	\$60,901,023	\$3,000	\$60,904,023

THE GENERAL FUND EXPENDITURE BUDGETS:

City Council							
Personnel	\$386,770		\$386,770		\$386,770		386,770
Supplies & Expenses	3,700		3,700		\$3,700		3,700
Other Services & Charges	174,400		174,400	80,050	\$254,450	100,000	354,450
Capital Outlays	0		0		\$0		0
Total - City Council	\$564,870	\$0	\$564,870	\$80,050	\$644,920	\$100,000	\$744,920
City Court							
Personnel	\$1,052,864		\$1,052,864		\$1,052,864		1,052,864

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Supplies & Expenses	37,600		37,600		\$37,600		37,600
Other Services & Charges	338,700	20,750	359,450		\$359,450		359,450
Capital Outlays	0		0		\$0		0
Total - City Court	\$1,429,164	\$20,750	\$1,449,914	\$0	\$1,449,914	\$0	\$1,449,914
Mayor/Admin.							
Personnel	\$867,836	-\$23,445	\$844,391	-\$43,830	\$800,561		800,561
Supplies & Expenses	15,100		15,100		\$15,100		15,100
Other Services & Charges	173,450		173,450		\$173,450		173,450
Capital Outlays	2,000		2,000		\$2,000		2,000
Total - Mayor/Admin.	\$1,058,386	-\$23,445	\$1,034,941	-\$43,830	\$991,111	\$0	\$991,111
Elections							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0	2,300	2,300
Other Services & Charges	0		0		\$0	48,200	48,200
Capital Outlays	0		0		\$0		0
Total - Elections	\$0	\$0	\$0	\$0	\$0	\$50,500	\$50,500
Muni. Clerk							
Personnel	\$169,150	\$4,944	\$174,094	-\$15,750	\$158,344		\$158,344
Supplies & Expenses	5,650		5,650		\$5,650		5,650
Other Services & Charges	50,600		50,600		\$50,600		50,600
Capital Outlays	0		0		\$0		0
Total - Muni Clerk	\$225,400	\$4,944	\$230,344	-\$15,750	\$214,594	\$0	\$214,594
Accounting							
Personnel	\$305,424	\$6,122	\$311,546		\$311,546		\$311,546
Supplies & Expenses	7,275		7,275		\$7,275		7,275
Other Services & Charges	3,625		3,625		\$3,625		3,625
Capital Outlays	0		0		\$0		0
Total - Accounting	\$316,324	\$6,122	\$322,446	\$0	\$322,446	\$0	\$322,446
Purchasing							

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Personnel	\$146,527	-	\$102,094	\$67,783	\$169,877	-	\$169,877
Supplies & Expenses	7,600	-	7,600	-	\$7,600	-	7,600
Other Services & Charges	5,950	-	5,950	-	\$5,950	-	5,950
Capital Outlays	0	-	0	-	\$0	-	0
Total - Purchasing	\$160,077	-\$44,433	\$115,644	\$67,783	\$183,427	\$0	\$183,427
City Attorney							
Personnel	\$94,465	-	\$94,465	-	\$94,465	-	\$94,465
Supplies & Expenses	0	-	0	-	\$0	-	0
Other Services & Charges	7,800	-	7,800	-	\$7,800	-	7,800
Capital Outlays	0	-	0	-	\$0	-	0
Total - City Attorney	\$102,265	\$0	\$102,265	\$0	\$102,265	\$0	\$102,265
Human Resources							
Personnel	\$187,189	\$13,626	\$200,815	-	\$200,815	-	\$200,815
Supplies & Expenses	9,900	-	9,900	-	\$9,900	-	9,900
Other Services & Charges	20,110	-	20,110	-	\$20,110	-	20,110
Capital Outlays	0	-	0	-	\$0	-	0
Total - Human Resources	\$217,199	\$13,626	\$230,825	\$0	\$230,825	\$0	\$230,825
Loss Control							
Personnel	\$113,567	-	\$113,567	-	\$113,567	-	\$113,567
Supplies & Expenses	7,460	-560	6,900	-	\$6,900	-	6,900
Other Services & Charges	2,100	1,900	4,000	-	\$4,000	-	4,000
Capital Outlays	0	-	0	-	\$0	-	0
Total - Loss Control	\$123,127	\$1,340	\$124,467	\$0	\$124,467	\$0	\$124,467
Urban Development							
Personnel	\$630,438	\$50,991	\$681,429	\$4,739	\$686,168	-	\$686,168
Supplies & Expenses	29,255	-432	28,823	-	\$28,823	-	28,823
Other Services & Charges	68,197	45,000	113,197	15,000	\$128,197	-	128,197
Capital Outlays	0	-	0	-	\$0	-	0
Total - Urban Dev.	\$727,890	\$95,559	\$823,449	\$19,739	\$843,188	\$0	\$843,188

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Information Systems							
Personnel	\$393,068		\$393,068	-\$7,640	\$385,428		\$385,428
Supplies & Expenses	57,900		57,900		\$57,900		57,900
Other Services & Charges	593,245		593,245		\$593,245		593,245
Capital Outlays	326,250		326,250		\$326,250		326,250
Total - Inf. Systems	\$1,370,463	\$0	\$1,370,463	-\$7,640	\$1,362,823	\$0	\$1,362,823
Gen. Gov't Building							
Personnel			\$0		\$0		\$0
Supplies & Expenses	27,035		27,035		\$27,035		27,035
Other Services & Charges	249,249		249,249	-10,000	\$239,249	20,000	259,249
Capital Outlays	20,000	377,000	397,000		\$397,000		397,000
Total - Gen. Gov't Building	\$296,284	\$377,000	\$673,284	-\$10,000	\$663,284	\$20,000	\$683,284
Intermodal Facility (Depot) O & M:							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	25,400		25,400		\$25,400		25,400
Other Services & Charges	133,440		133,440	-5,000	\$128,440		128,440
Capital Outlays	0		0		\$0		0
Total - Depot O & M	\$158,840	\$0	\$158,840	-\$5,000	\$153,840	\$0	\$153,840
Metro Planning							
Personnel	\$259,120		\$259,120		\$259,120		\$259,120
Supplies & Expenses	18,200		18,200		\$18,200		18,200
Other Services & Charges	110,700		110,700	37,250	\$147,950		147,950
Capital Outlays	0		0		\$0		0
Total - Metro Planning	\$388,020	\$0	\$388,020	\$37,250	\$425,270	\$0	\$425,270
Gen. Gov't Insurance/Other serv.							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	2,996,700	5,325	3,002,025	-6,840	\$2,995,185	-32,000	2,963,185
Capital Outlays			0		\$0		0
Total - Gen. Gov't Insur/other Serv.	\$2,996,700	\$5,325	\$3,002,025	-\$6,840	\$2,995,185	-\$32,000	\$2,963,185

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Federal Programs Administration							
Personnel	\$168,026	-\$70,733	97,293	\$2,820	\$100,113		100,113
Supplies	32,839	\$30,000	62,839		\$62,839		62,839
Other Services & Charges	360,500	-\$30,000	330,500	-\$55,998	\$274,502	-\$100,000	174,502
Capital Outlay	0		0		\$0		0
Total - Federal Programs Admin.	\$561,365	-\$70,733	\$490,632	-\$53,178	\$437,454	-\$100,000	\$337,454

Recap - General Government Cost Centers

Personnel	\$4,774,444	-\$62,928	\$4,711,516	\$8,122	\$4,719,638	\$0	\$4,719,638
Supplies & Expenses	\$284,914	\$29,008	\$313,922	\$0	\$313,922	\$2,300	\$316,222
Other Services & Charges	\$5,288,766	\$42,975	\$5,331,741	\$54,462	\$5,386,203	\$36,200	\$5,422,403
Capital Outlays	\$348,250	\$377,000	\$725,250	\$0	\$725,250	\$0	\$725,250
Total - Gen. Government	\$10,696,374	\$386,055	\$11,082,429	\$62,584	\$11,145,013	\$38,500	\$11,183,513

Police							
Personnel	\$11,111,742	\$12,340	\$11,124,082		\$11,124,082		\$11,124,082
Supplies & Expenses	701,487	11,822	713,309	-1,000	\$712,309		712,309
Other Services & Charges	487,797		487,797		\$487,797	19,000	506,797
Capital Outlays	592,822	593,178	1,186,000		\$1,186,000		1,186,000
Total - Police	\$12,893,848	\$617,340	\$13,511,188	-\$1,000	\$13,510,188	\$19,000	\$13,529,188

Police & Fire Training							
Personnel	\$37,615		\$37,615		\$37,615		\$37,615
Supplies & Expenses	149,732		149,732	-2,000	\$147,732	3,000	150,732
Other Services & Charges	105,695		105,695	5,000	\$110,695		110,695
Capital Outlays	0		0		\$0		0
Total - Police & Fire Training	\$293,042	\$0	\$293,042	\$3,000	\$296,042	\$3,000	\$299,042

Fire							
Personnel	\$8,048,588		\$8,048,588		\$8,048,588		\$8,048,588
Supplies & Expenses	314,913		314,913	25,000	\$339,913	83	339,996
Other Services & Charges	305,523		305,523	-17,000	\$288,523	-6,646	281,877
Capital Outlays	0	13,300	13,300		\$13,300		13,300

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Total - Fire Dept.	\$8,669,024	\$13,300	\$8,682,324	\$8,000	\$8,690,324	-\$6,563	\$8,683,761
Code Enforcement							
Personnel	\$585,558	\$57,119	\$642,677	\$3,860	\$646,537		\$646,537
Supplies & Expenses	28,100		28,100		\$28,100		28,100
Other Services & Charges	158,700		158,700		\$158,700		158,700
Capital Outlays	0		0		\$0		0
Total - Code Enforcement	\$772,358	\$57,119	\$829,477	\$3,860	\$833,337	\$0	\$833,337
Contractual Services - Public Safety							
Personnel	\$221,800	-\$25,000	\$196,800		\$196,800		\$196,800
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	1,326,000	-30,000	1,296,000		\$1,296,000		1,296,000
Capital Outlays	0		0		\$0		0
Total - Cont. Serv. - Public Safety	\$1,547,800	-\$55,000	\$1,492,800	\$0	\$1,492,800	\$0	\$1,492,800
<u>Public Services Cost Centers:</u>							
Traffic Maint.							
Personnel	\$411,522		\$411,522		\$411,522		\$411,522
Supplies & Expenses	142,211		142,211		\$142,211		142,211
Other Services & Charges	46,364		46,364		\$46,364		46,364
Capital Outlays	0		0		\$0		0
Total - Traffic Maint.	\$600,097	\$0	\$600,097	\$0	\$600,097	\$0	\$600,097
Streets							
Personnel	\$1,913,731		\$1,913,731		\$1,913,731		\$1,913,731
Supplies & Expenses	567,334		567,334	40,000	\$607,334	-80,937	526,397
Other Services & Charges	1,190,355	72,000	1,262,355	-5,000	\$1,257,355		1,257,355
Capital Outlays	155,000		155,000		\$155,000		155,000
Total - Streets	\$3,826,420	\$72,000	\$3,898,420	\$35,000	\$3,933,420	-\$80,937	\$3,852,483
Street Lights							
Personnel					\$0		\$0
Supplies & Expenses					0		0

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Other Services & Charges	1,170,000	-10,000	1,160,000		\$1,160,000		1,160,000
Capital Outlays	0		0		\$0		0
Total - Street Lights	\$1,170,000	-\$10,000	\$1,160,000	\$0	\$1,160,000	\$0	\$1,160,000
Engineering							
Personnel	\$375,475		\$375,475		\$375,475		\$375,475
Supplies & Expenses	11,040		11,040		\$11,040		11,040
Other Services & Charges	303,360		303,360		\$303,360	40,000	343,360
Capital Outlays	0		0		\$0		0
Total - Engineering	\$689,875	\$0	\$689,875	\$0	\$689,875	\$40,000	\$729,875
Shop							
Personnel	\$541,857		\$541,857		\$541,857		\$541,857
Supplies & Expenses	45,845		45,845		\$45,845		45,845
Other Services & Charges	39,000		39,000		\$39,000		39,000
Capital Outlays	0		0		\$0		0
Total - Shop	\$626,702	\$0	\$626,702	\$0	\$626,702	\$0	\$626,702
GOFs							
Personnel	\$281,871		\$281,871	-\$25,989	\$255,882		\$255,882
Supplies & Expenses	10,100		10,100		\$10,100		10,100
Other Services & Charges	16,500		16,500	2,300	\$18,800		18,800
Capital Outlays	0		0		\$0		0
Total - GOFs	\$308,471	\$0	\$308,471	-\$23,689	\$284,782	\$0	\$284,782
Drainage							
Personnel	\$177,492		\$177,492		\$177,492		\$177,492
Supplies & Expenses	63,800		63,800		\$63,800		63,800
Other Services & Charges	240,702		240,702	-97,300	\$143,402		143,402
Capital Outlays	624,000	765,450	1,389,450		\$1,389,450		1,389,450
Total - Drainage	\$1,105,994	\$765,450	\$1,871,444	-\$97,300	\$1,774,144	\$0	\$1,774,144
Construction							
Personnel	\$758,668		\$758,668		\$758,668		\$758,668

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Supplies & Expenses	147,600	8,800	156,400	12,000	\$168,400		168,400
Other Services & Charges	92,932		92,932		\$92,932		92,932
Capital Outlays	0		0		\$0		0
Total - Construction	\$999,200	\$8,800	\$1,008,000	\$12,000	\$1,020,000		\$1,020,000
Sanitation							
Personnel	\$1,497,491		1,497,491		\$1,497,491		\$1,497,491
Supplies & Expenses	291,696		291,696	5,000	\$296,696	-3,800	292,896
Other Services & Charges	941,950	100,000	1,041,950	5,000	\$1,046,950	3,800	1,050,750
Capital Outlays	0		0	20,000	\$20,000		20,000
Total - Sanitation	\$2,731,137	\$100,000	\$2,831,137	\$30,000	\$2,861,137	\$0	\$2,861,137
Street Cleaning							
Personnel	\$86,154		\$86,154		\$86,154		\$86,154
Supplies & Expenses	19,200		19,200		\$19,200		19,200
Other Services & Charges	2,600		2,600		\$2,600		2,600
Capital Outlays	0		0		\$0		0
Total - Street Cleaning	\$107,954	\$0	\$107,954	\$0	\$107,954	\$0	\$107,954
Health							
Personnel	\$589,486		\$589,486		\$589,486		\$589,486
Supplies & Expenses	167,550		167,550	-10,000	\$157,550		157,550
Other Services & Charges	8,700		8,700		\$8,700		8,700
Capital Outlays	0		0		\$0		0
Total - Health	\$765,736	\$0	\$765,736	-\$10,000	\$755,736	\$0	\$755,736
Recap - Public Services:							
Personnel	\$6,633,747	\$0	\$6,633,747	-\$25,989	\$6,607,758	\$0	\$6,607,758
Supplies & Expenses	\$1,466,376	8,800	1,475,176	47,000	\$1,522,176	-84,737	1,437,439
Other Services & Charges	\$4,052,463	162,000	4,214,463	-95,000	\$4,119,463	43,800	4,163,263
Capital Outlays	\$779,000	765,450	1,544,450	20,000	\$1,564,450	0	1,564,450
Total - Public Services	\$12,931,586	\$936,250	\$13,867,836	-\$53,989	\$13,813,847	-\$40,937	\$13,772,910
Animal Control							
Personnel	\$157,074		\$157,074		\$157,074		\$157,074

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Supplies & Expenses	15,400		15,400		\$15,400		15,400
Other Services & Charges	126,685	30,000	156,685		\$156,685		156,685
Capital Outlays	0		0		\$0		0
Total - Animal Control	\$299,159	\$30,000	\$329,159	\$0	\$329,159	\$0	\$329,159
Human/Social Assist.							
Personnel			\$0		\$0		\$0
Supplies & Expenses			0		\$0		0
Other Services & Charges	239,880		239,880		\$239,880		239,880
Capital Outlays			0		\$0		0
Total - Human/Social Assist.	\$239,880	\$0	\$239,880	\$0	\$239,880	\$0	\$239,880
Economic Dev.							
Personnel			\$0		\$0		\$0
Supplies & Expenses			0		\$0		0
Other Services & Charges	305,000		305,000		\$305,000		305,000
Capital Outlays			0		\$0		0
Total - Economic Dev.	\$305,000	\$0	\$305,000	\$0	\$305,000		\$305,000
Debt Service							
Principal	\$2,633,444		\$2,633,444		\$2,633,444		\$2,633,444
Interest	487,225		\$487,225		\$487,225		\$487,225
Paying Agent Fee	3,000		\$3,000		\$3,000		\$3,000
Total Debt Service	\$3,123,669	\$0	\$3,123,669	\$0	\$3,123,669	\$0	\$3,123,669
Airport							
Personnel	\$82,260		\$82,260		\$82,260		\$82,260
Supplies & Expenses	38,200		38,200		\$38,200		38,200
Other Services & Charges	85,958		85,958		\$85,958	-10,000	75,958
Capital Outlays	0		0		\$0		0
Total - Airport	\$206,418	\$0	\$206,418	\$0	\$206,418	-\$10,000	\$196,418
Cemetery							
Personnel	\$777,558		\$777,558	\$545	\$778,103		\$778,103

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Supplies & Expenses	84,950		84,950	8,000	\$92,950		92,950
Other Services & Charges	61,351		61,351		\$61,351		61,351
Capital Outlays	93,000		93,000	-8,000	\$85,000		85,000
Total - Cemetery	\$1,016,859	\$0	\$1,016,859	\$545	\$1,017,404	\$0	\$1,017,404
Parking Garages							
Personnel	\$238,330		\$238,330		\$238,330		\$238,330
Supplies & Expenses	8,850		8,850		\$8,850		8,850
Other Services & Charges	70,350		70,350		\$70,350		70,350
Capital Outlays	0		0		\$0		0
Total - Parking Garages	\$317,530	\$0	\$317,530	\$0	\$317,530	\$0	\$317,530
Transfers to Other Funds	\$3,600,000	-200,000	\$3,400,000		\$3,400,000		\$3,400,000
EXPENDITURES & TRANSFERS	\$56,912,547	\$1,785,064	\$58,697,611	\$23,000	\$58,720,611	\$3,000	\$58,723,611
Recap - General Fund							
Personnel	\$32,668,716	-\$18,469	\$32,650,247	-\$13,462	\$32,636,785	\$0	\$32,636,785
Supplies & Expenses	3,092,922	49,630	3,142,552	77,000	3,219,552	-79,354	3,140,198
Other Services & Charges	12,617,168	204,975	12,822,143	-52,538	12,769,605	82,354	12,851,959
Capital Outlays	1,813,072	1,748,928	3,562,000	12,000	3,574,000	0	3,574,000
Principal Payments	2,633,444	0	2,633,444	0	2,633,444	0	2,633,444
Interest Payments	487,225	0	487,225	0	487,225	0	487,225
Total - Gen. Fund Cost Centers	\$53,312,547	\$1,985,064	\$55,297,611	\$23,000	\$55,320,611	\$3,000	\$55,323,611
Transfers to Other Funds	3,600,000	-200,000	3,400,000	0	3,400,000	0	3,400,000
Total - Expenditures & Transfers	\$56,912,547	\$1,785,064	\$58,697,611	\$23,000	\$58,720,611	\$3,000	\$58,723,611
Ending Cash Budget	\$3,022,167	-\$841,755	\$2,180,412	\$0	\$2,180,412	\$0	\$2,180,412

CITY OF HATTIESBURG, MS
Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

Parks & Recreation (Fund #2):

Recreation Maint. Cost Center
 Personnel
 Supplies & Expenses
 Other Services & Charges
 Capital Outlays
 Total - Recreation Maint.

Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
\$1,368,895		\$1,368,895	-\$48,841	\$1,320,054		\$1,320,054
424,214		424,214		\$424,214		424,214
617,862		617,862		\$617,862		617,862
572,500		572,500		\$572,500		572,500
\$2,983,471	\$0	\$2,983,471	-\$48,841	\$2,934,630	\$0	\$2,934,630

Recreation Admin.

Personnel
 Supplies & Expenses
 Other Services & Charges
 Capital Outlays
 Total - Recreation Admin.

\$490,803		\$490,803	\$16,884	\$507,687		\$507,687
97,987		97,987		\$97,987		97,987
468,402		468,402		\$468,402		468,402
0		0		\$0		0
\$1,057,192	\$0	\$1,057,192	\$16,884	\$1,074,076	\$0	\$1,074,076

Kemper Park Zoo

Personnel
 Supplies & Expenses
 Other Services & Charges
 Capital Outlays
 Total - Kemper Park

\$0		\$0		\$0		\$0
0		0		\$0		0
0		0		\$0		0
0		0		\$0		0
\$0	\$0	\$0	\$0	\$0	\$0	\$0

Recap - Parks & Recreation Fund:

Personnel
 Supplies & Expenses
 Other Services & Charges
 Capital Outlays
 Total - Recreation Maint.

\$1,859,698	\$0	\$1,859,698	-\$31,957	\$1,827,741	\$0	\$1,827,741
522,201	0	522,201	0	\$522,201	0	\$522,201
1,086,264	0	1,086,264	0	\$1,086,264	0	\$1,086,264
572,500	0	572,500	0	\$572,500	0	\$572,500
\$4,040,663	\$0	\$4,040,663	-\$31,957	\$4,008,706	\$0	\$4,008,706

Municipal Fire Protection (Fund #5):

Personnel
 Supplies & Expenses
 Other Services & Charges

\$0	\$0	\$0		\$0		\$0
69,742		69,742		\$69,742	45,000	114,742
24,675		24,675		\$24,675		24,675

CITY OF HATTIESBURG, MS
Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Capital Outlays	819,890	11,500	831,390		\$831,390	-45,000	786,390
Principal Payments	403,395		403,395		\$403,395		403,395
Interest Payments	8,390		8,390		\$8,390		8,390
Total - Municipal Fire Prot. Fund	\$1,326,092	\$11,500	\$1,337,592	\$0	\$1,337,592	\$0	\$1,337,592

Special Streets (Fund #8):

Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		\$0
Other Services & Charges	75,500		75,500		\$75,500		75,500
Capital Outlays	0		0		\$0		0
Total - Special Streets	\$75,500	\$0	\$75,500	\$0	\$75,500	\$0	\$75,500

Water & Sewer Operation & Maint. (Fund #9):

Customer Accounts Cost Center

Personnel	\$474,215	\$1,605	\$475,820		\$475,820		\$475,820
Supplies & Expenses	37,596		37,596		\$37,596		37,596
Other Services & Charges	146,800		146,800		\$146,800	135,000	281,800
Capital Outlays	0		0		\$0		0
Total - Customer Accounts	\$658,611	\$1,605	\$660,216	\$0	\$660,216	\$135,000	\$795,216

Water Transmission Cost Center

Personnel	\$835,797		\$835,797		\$835,797		\$835,797
Supplies & Expenses	226,500		226,500		\$226,500		226,500
Other Services & Charges	1,052,515		1,052,515		\$1,052,515		1,052,515
Capital Outlays	0		0		\$0		0
Total - Water Trans.	\$2,114,812	\$0	\$2,114,812	\$0	\$2,114,812	\$0	\$2,114,812

Plant Cost Center

Personnel	\$668,650		\$668,650		\$668,650		\$668,650
Supplies & Expenses	157,900		157,900		\$157,900		157,900
Other Services & Charges	1,181,654	50,000	1,231,654	-25,000	\$1,206,654		1,206,654
Capital Outlays	20,000	57,000	77,000		\$77,000		77,000
Total - Plant	\$2,028,204	\$107,000	\$2,135,204	-\$25,000	\$2,110,204	\$0	\$2,110,204

CITY OF HATTIESBURG, MS
Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Sewer Cost Center							
Personnel	\$694,422		\$694,422		\$694,422		\$694,422
Supplies & Expenses	298,600	40,000	338,600	-25,000	\$313,600		313,600
Other Services & Charges	1,340,957		1,340,957	500,000	\$1,840,957		1,840,957
Capital Outlays	15,000		15,000	200,000	\$215,000		215,000
Total - Sewer	\$2,348,979	\$40,000	\$2,388,979	\$675,000	\$3,063,979	\$0	\$3,063,979

Lagoon Cost Center							
Personnel	\$271,159		\$271,159		\$271,159		\$271,159
Supplies & Expenses	374,100		374,100		\$374,100		374,100
Other Services & Charges	2,676,268		2,676,268		\$2,676,268		2,676,268
Capital Outlays	10,000		10,000		\$10,000		10,000
Principal Payments	0		0		\$0		0
Interest Payments	0		0		\$0		0
Total - Lagoon Cost Center	\$3,331,527	\$0	\$3,331,527	\$0	\$3,331,527	\$0	\$3,331,527

Recap: Water & Sewer O & M Fund:

Personnel	\$2,944,243	\$1,605	\$2,945,848	\$0	\$2,945,848	\$0	\$2,945,848
Supplies & Expenses	1,094,696	40,000	1,134,696	-25,000	\$1,109,696	0	\$1,109,696
Other Services & Charges	6,398,194	50,000	6,448,194	475,000	\$6,923,194	135,000	\$7,058,194
Capital Outlays	45,000	57,000	102,000	200,000	\$302,000	0	\$302,000
Principal Payments	0	0	0	0	\$0	0	\$0
Interest Payments	0	0	0	0	\$0	0	\$0
Total - Water & Sewer O & M Fund	\$10,482,133	\$148,605	\$10,630,738	\$650,000	\$11,280,738	\$135,000	\$11,415,738

Water & Sewer Bond & Int. (Fund #10):

Principal Payments	\$5,041,000		\$5,041,000		\$5,041,000		\$5,041,000
Interest Payments	\$2,473,448		\$2,473,448		\$2,473,448		\$2,473,448
Paying Agent Fees	\$15,000		\$15,000		\$15,000		\$15,000
Total - W & S Bond & Int. Fund	\$7,529,448	\$0	\$7,529,448	\$0	\$7,529,448	\$0	\$7,529,448

Water & Sewer Revenue (Fund #11):

Principal Payments	\$96,000		\$96,000		\$96,000		\$96,000
Interest Payments	3,467		3,467		\$3,467		3,467

CITY OF HATTIESBURG, MS
Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Other services & charges	37,700		37,700	50,000	\$87,700		87,700
Transfers to other funds	21,550,133		21,550,133	100,000	\$21,650,133		21,550,133
Total - W & S Revenue Fund	\$21,687,300	\$0	\$21,687,300	\$150,000	\$21,837,300	\$0	\$21,737,300

1999 Tax Increment (Walmart) Bond & Int (Fund #12):

Principal Payments	\$0		\$0		\$0		\$0
Interest Payments	0		0		\$0		\$0
Transfers	0	6,895	6,895		\$6,895		\$6,895
Paying Agent Fees	0		0		\$0		\$0
Total - 1999 TIF Bond & Int Fund	\$0	\$6,895	\$6,895	\$0	\$6,895	\$0	\$6,895

City Bond & Interest (Fund #13):

Principal Payments	\$1,700,000		\$1,700,000		\$1,700,000		\$1,700,000
Interest Payments	223,350		223,350		\$223,350		\$223,350
Other Services & Charges	33,000		33,000		\$33,000		\$33,000
Paying Agent Fees	12,000		12,000		\$12,000		\$12,000
Total - 1999 TIF Bond & Int Fund	\$1,968,350	\$0	\$1,968,350	\$0	\$1,968,350	\$0	\$1,968,350

USA Yeast Bond & Interest (Fund #15):

Principal Payments	\$0		\$0		\$0		\$0
Interest Payments	0		0		\$0		0
Transfers Out	0	22	22		\$22		22
other services & charges	0		0		\$0		0
Total - 1999 TIF Bond & Int Fund	\$0	\$22	\$22	\$0	\$22	\$0	\$22

Police Fines & Forfeitures (Fund #19):

Personnel	\$0		\$0		\$0		0
Supplies & Expenses	41,441		41,441		\$41,441		15,734
Other Services & Charges	6,600	10,000	16,600		\$16,600		26,930
Capital Outlays	258,917		258,917		\$258,917		35,000
Transfers	0		0		\$0		293,917
Total - Fines & Forf. Fund	\$306,958	\$10,000	\$316,958	\$0	\$316,958	\$77,664	\$394,622

CITY OF HATTIESBURG, MS

Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Series 2002 TIF Bond & Int (Southern Pointe, Fund #20):							
Principal Payments	\$140,000		\$140,000		\$140,000		140,000
Interest Payments	104,033		104,033		\$104,033		104,033
other services & charges	2,000		2,000		\$2,000		2,000
Total - 1999 TIF Bond & Int Fund	\$246,033	\$0	\$246,033	\$0	\$246,033	\$0	\$246,033
Series 2004 TIF Bond & Int (Home Depot, Fund #21):							
Principal Payments	\$0		\$0		\$0		\$0
Interest Payments	0		0		\$0		0
Transfers	0	67,570	67,570		\$67,570		67,570
other services & charges	0		0		\$0		0
Total - 2004 TIF Bond & Int Fund	\$0	\$67,570	\$67,570	\$0	\$67,570	\$0	\$67,570
Series 2003 TIF Bond & Int (Chauvet Sq., Fund #22):							
Principal Payments	\$120,000		\$120,000		\$120,000		120,000
Interest Payments	71,688		71,688		\$71,688		71,688
other services & charges	2,000		2,000		\$2,000		2,000
Transfers to other Funds	0		0		\$0		0
Total - 2003 TIF Bond & Int Fund	\$193,688	\$0	\$193,688	\$0	\$193,688	\$0	\$193,688
Series 2007 TIF Bond & Int (Turtle Creek Fund 23):							
Principal Payments	375,000		375,000		\$375,000		375,000
Interest Payments	76,441		76,441		\$76,441		76,441
Other Services & Charges	3,500		3,500		\$3,500		3,500
Total - 2007 TIF Bond & Int Fund	\$454,941	\$0	\$454,941	\$0	\$454,941	\$0	\$454,941
Series 2008 TIF Bond & Int (Lincoln Center Fund 24):							
Principal Payments	\$45,000		45,000		\$45,000		45,000
Interest Payments	\$11,600		11,600		\$11,600		11,600
Other Services & Charges	\$1,000		1,000		\$1,000		1,000
Total - 2008 TIF Bond & Int Fund	\$57,600	\$0	\$57,600	\$0	\$57,600	\$0	\$57,600
Series 2011 TIF Bond & Int (Turtle Creek Commons/Kohl's Fund 25):							

CITY OF HATTIESBURG, MS

Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Principal Payments	\$75,000		75,000		\$75,000		75,000
Interest Payments	\$16,000		16,000		\$16,000		16,000
Other Services & Charges	\$2,000		2,000		\$2,000		2,000
Total - 2008 TIF Bond & Int Fund	\$93,000	\$0	\$93,000	\$0	\$93,000	\$0	\$93,000

Series 22016 TIF Bond & Int (Whispering Pines Fund 26):

Principal Payments	\$156,000		156,000		\$156,000		156,000
Interest Payments	\$123,863		123,863		\$123,863		123,863
Other Services & Charges	\$1,300		1,300		\$1,300		1,300
Total - 2008 TIF Bond & Int Fund	\$281,163	\$0	\$281,163	\$0	\$281,163	\$0	\$281,163

Series 2016 TIF Bond & Int (Hburg Clinic Midtown Fund 28):

Principal Payments	\$44,000		44,000		\$44,000		44,000
Interest Payments	\$32,045		32,045		\$32,045		32,045
Other Services & Charges	0		0		\$0		0
Total - 2008 TIF Bond & Int Fund	\$76,045	\$0	\$76,045	\$0	\$76,045	\$0	\$76,045

Airport Imp. (Fund #39):

Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays	1,016,850	342,378	1,359,228		\$1,359,228		1,359,228
Total - Airport Imp. Fund	\$1,016,850	\$342,378	\$1,359,228	\$0	\$1,359,228	\$0	\$1,359,228

Series 2015A TIF Bond & Int (The Ridge at Turtle Creek)
(Fund #50)

Principal Payments	57,000		57,000		57,000		57,000
Interest Payments	62,508		62,508	28,260	90,768		90,768
Paying Agent Fees	2,000		2,000		2,000		2,000
Other Services & Charges	0		0		0		0
Total - 2007 G.O. Refunding	\$ 121,508	\$ -	\$ 121,508	\$ 28,260	\$ 149,768	\$ -	\$ 149,768

Series 2015B TIF Bond & Int (Midtown Market)
(Fund #51)

CITY OF HATTIESBURG, MS
Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Principal Payments	10,000		10,000		10,000		10,000
Interest Payments	10,450		10,450	4,845	15,295		15,295
Paying Agent Fees	2,000		2,000		2,000		2,000
Other Services & Charges			0		0		0
Total - 2007 G.O. Refunding	\$ 22,450	\$ -	\$ 22,450	\$ 4,845	\$ 27,295	\$ -	\$ 27,295

Municipal Road & Bridge (Fund #72):

Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		\$0
Other Services & Charges	1,500,000		1,500,000	60,000	\$1,560,000	50,000	\$1,610,000
Capital Outlays	5,970,624	-404,933	5,565,691	97,878	\$5,663,569	-50,000	\$5,613,569
Principal	0		0		\$0		\$0
Interest	0		0		\$0		\$0
Total - Municipal Road & Bridge	\$7,470,624	-\$404,933	\$7,065,691	\$157,878	\$7,223,569	\$0	\$7,223,569

Mass Transit (Fund #73):

Personnel	\$765,705	\$42,540	\$808,245	\$46,980	\$855,225		\$855,225
Supplies & Expenses	196,400		196,400		\$196,400		\$196,400
Other Services & Charges	547,932		547,932	28,000	\$575,932		\$575,932
Capital Outlays	2,555,695	239,133	2,794,828		\$2,794,828	320,631	\$3,115,459
Total - Mass Transit Fund	\$4,065,732	\$281,673	\$4,347,405	\$74,980	\$4,422,385	\$320,631	\$4,743,016

Water & Sewer Construction (Fund #75):

Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	1,500,000		1,500,000		\$1,500,000		1,500,000
Transfers							0
Capital Outlays	3,217,000	350,000	3,567,000		\$3,567,000	400,000	3,967,000
Total - W & S Construction Fund	\$4,717,000	\$350,000	\$5,067,000	\$0	\$5,067,000	\$400,000	\$5,467,000

Community Centers (Fund #77):

Personnel	\$575,980		\$575,980	\$20,159	\$596,139		596,139
Supplies & Expenses	67,050		67,050		\$67,050		67,050
Other Services & Charges	175,010		175,010		\$175,010		175,010

CITY OF HATTIESBURG, MS
Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Capital Outlays	124,750		124,750		\$124,750		124,750
Total - Community Centers Fund	\$942,790	\$0	\$942,790	\$20,159	\$962,949	\$0	\$962,949

Community Dev. Block Grant (Fund #82):							
Personnel	\$173,105	\$34,751	\$207,856		\$207,856		207,856
Supplies & Expenses	5,750		5,750		\$5,750		5,750
Other Services & Charges	101,792		101,792		\$101,792		101,792
Capital Outlays	745,761	-163,547	582,214		\$582,214		582,214
Transfers	0		0		\$0		0
Total - CDBG Fund	\$1,026,408	-\$128,796	\$897,612	\$0	\$897,612	\$0	\$897,612

Series 2009 G.O. Bonds - AMR Project (Fund #78)							
Supplies	\$0		0		\$0		0
Other Services & Charges	\$0		0		\$0		0
Transfers Out	\$0		0		\$0		0
Capital Outlay	0		0		\$0		0
Total - Series 2009 G.O. Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Public Safety/Recreation Construction (Fund #88):							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$580,891		580,891
Capital Outlays	0	681,413	681,413	-580,891	\$100,522		100,522
Transfers to other Funds	0		0		\$0		0
Total - Series 2002 Const. Fund	\$0	\$681,413	\$681,413	\$0	\$681,413	\$0	\$681,413

MDA Energy Efficiency Capital Projects (Fund 89):							
Personnel	\$0		\$0		\$0		0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays	560,284	45,524	605,808		\$605,808		605,808
Transfers	0		0		\$0		0
Total - Series 2004 Const. Fund	\$560,284	\$45,524	\$605,808	\$0	\$605,808	\$0	\$605,808

CITY OF HATTIESBURG, MS

Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
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Series 2008 G.O. Note (Downtown Lighting)(Fund # 90):

Personnel	\$0		\$0		\$0	\$0
Supplies & Expenses	0		0		\$0	0
Other Services & Charges	0		0		\$0	0
Capital Outlays			0		\$0	0
Transfers	0		0		\$0	0
Total - Series 2004 Const. Fund	\$0	\$0	\$0	\$0	\$0	\$0

TIF Construction (Fund # 91):

Personnel	\$0		\$0		\$0	\$0
Supplies & Expenses	0		0		\$0	0
Other Services & Charges	0		0		\$0	0
Capital Outlays	0		0		\$0	0
Transfers	0	207	207		\$207	207
Total - Series 2004 Const. Fund	\$0	\$207	\$207	\$0	\$207	\$207

Series 2001 G.O. Bond Construction (Fund # 95):

Personnel	\$0		\$0		\$0	\$0
Supplies & Expenses	0		0		\$0	0
Other Services & Charges	0		0		\$0	0
Capital Outlays	0		0		\$0	0
Transfers	0	174	174		\$174	174
Total - Series 2001 Const. Fund	\$0	\$174	\$174	\$0	\$174	\$174

Mississippi Dev. Bank Construction (Fund # 96):

Personnel	\$0		\$0		\$0	\$0
Supplies & Expenses	0		0		\$0	0
Other Services & Charges	0		0		\$0	0
Transfers			0		\$0	0
Capital Outlays	0		0		\$0	0
Total - MDB Fund	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF HATTIESBURG, MS
Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
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Kamper Park Imp. (Fund #98):

Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays	2,247	1	2,248		\$2,248		2,248
Total - Kamper Park Imp. Fund	\$2,247	\$1	\$2,248	\$0	\$2,248	\$0	\$2,248

Series 2010 Water & Sewer G.O. Constr. (Fund #99):

Personnel					\$0		\$0
Supplies & Expenses			0		\$0		0
Other Services & Charges			0		\$0		0
Capital Outlay	\$0		0		\$0		0
Transfers out	\$0		0		\$0		\$0
Total - Series 2010 Constr.	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Series 2013 Water & Sewer Revenue Constr. (Fund #105):

Personnel			0		\$0		0
Supplies & Expenses			0		\$0		0
Other Services & Charges	\$0		0		\$0		0
Capital Outlay	\$400,000	-\$48,834	351,166		\$351,166		351,166
Transfers			0		\$0		0
Total - Series 2013 Constr.	\$400,000	-\$48,834	\$351,166	\$0	\$351,166	\$0	\$351,166

Series 2016 Water & Sewer Taxable Bonds Constr. (Fund #93):

Personnel			0		\$0		0
Supplies & Expenses			0		\$0		0
Other Services & Charges	\$1,000,000	-\$364,857	635,143		\$635,143		635,143
Capital Outlay	\$23,447,000		23,447,000		\$23,447,000		23,447,000
Transfers			0		\$0		0
Total - Series 2016 Constr.	\$24,447,000	-\$364,857	\$24,082,143	\$0	\$24,082,143	\$0	\$24,082,143

Series 2012 Water & Sewer Const. (Fund #94):

Personnel	\$0		\$0		\$0		\$0
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CITY OF HATTIESBURG, MS
Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays	0		0		\$0		0
Transfers Out	0	61	61		\$61		61
Total - Series 2012 Const.	\$0	\$61	\$61	\$0	\$61	\$0	\$61

GRAND TOTAL - FUNDS OTHER
THAN THE GENERAL FUND

General Fund	\$56,912,547	\$1,785,064	\$58,697,611	\$23,000	\$58,720,611	\$3,000	\$58,723,611
TOTAL EXPENDITURES & TRANSFERS	\$150,524,354	\$2,783,667	\$153,308,021	\$1,077,165	\$154,385,186	\$936,295	\$155,221,481
Less: Interfund Transfers	-25,150,133	125,071	-25,025,062	-100,000	-25,125,062	0	-25,025,062
TOTAL EXPENDITURES	\$125,374,221	\$2,908,738	\$128,282,959	\$977,165	\$129,260,124	\$936,295	\$130,196,419

Recap of City-Wide Expenditure Budgets:

Personnel	\$38,987,447	\$60,427	\$39,047,874	\$21,720	\$39,069,594	\$0	\$39,069,594
Supplies & Expenses	\$5,090,202	\$89,630	\$5,179,832	\$52,000	\$5,231,832	-\$18,620	\$5,213,212
Other Services & Charges	\$25,146,635	-\$99,882	\$25,046,753	\$1,141,353	\$26,188,106	\$294,284	\$26,482,390
Capital Outlays	\$41,549,590	\$2,858,563	\$44,408,153	-\$271,013	\$44,137,140	\$660,631	\$44,797,771
Principal Payments	10,895,839	0	10,895,839	0	10,895,839	0	10,895,839
Interest Payments	3,704,508	0	3,704,508	33,105	3,737,613	0	3,737,613
Total Expenditure Budgets	\$125,374,221	\$2,908,738	\$128,282,959	\$977,165	\$129,260,124	\$936,295	\$130,196,419

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

GENERAL FUND:

REVENUES & BEG. CASH:

Taxes - Other	\$35,000
Licenses & Permits	4,520,900
Inter-governmental Revenues:	
Federal Grants	4,148,091
State Grants	268,299
State-Shared Revenues	22,855,166
County Shared Revenues	0
Charges for Services:	
Public safety	202,000
Streets	1,000
Sanitation	2,195,000
Misc.	0
Fines & Forfeits	1,238,000
Miscellaneous	317,400
Transfers-In	964,465
Non-Revenue Receipts	1,702,412
Total From All Sources	
Other Than taxation	38,447,733
Beginning Cash and	
Investment Balance	5,342,290
Amount to be Raised by Tax Levy	17,114,000
TOTAL FROM ALL SOURCES	\$60,904,023

EXPENDITURES & ENDING CASH:

General Government:	
Personnel	4,719,638
Supplies & Expenses	316,222
Other services & Charges	5,422,403
Capital Outlays	725,250
Total - General Government	11,183,513
Police Dept.:	
Personnel	11,124,082
Supplies & Expenses	712,309
Other services & Charges	506,797
Capital Outlays	1,186,000
Total - Police Dept.	13,529,188
Police & Fire Training:	
Personnel	37,615
Supplies & Expenses	150,732
Other services & Charges	110,695
Capital Outlays	0
Total - Police & Fire Training	299,042
Fire Dept.:	
Personnel	8,048,588
Supplies & Expenses	339,996
Other services & Charges	281,877
Capital Outlays	13,300
Total - Fire Dept.	8,683,761
Land Development Administration:	
Personnel	646,537
Supplies & Expenses	28,100
Other services & Charges	158,700
Capital Outlays	0
Total - Land Dev. Admin.	833,337

Public Safety Contractual Services:	
Personnel	196,800
Other services & Charges	1,296,000
Total - Pub. Safety Cont. Serv.	<u>1,492,800</u>
Public Services:	
Personnel	6,607,758
Supplies & Expenses	1,437,439
Other services & Charges	4,163,263
Capital Outlays	1,564,450
Total - Public Services	<u>13,772,910</u>
Animal Control	
Personnel	157,074
Supplies & Expenses	15,400
Other services & Charges	156,685
Capital Outlays	0
Total - Animal Control	<u>329,159</u>
Human/Social	
Other services & Charges	239,880
Total - Human/Social	<u>239,880</u>
Economic Development	
Personnel	
Supplies & Expenses	
Other services & Charges	305,000
Capital Outlays	0
Total - Eco. Dev.	<u>305,000</u>
Debt Service:	
Principal Payments	2,633,444
Interest Payments	487,225
Paying Agent Fee	3,000
Total - Debt service	<u>3,123,669</u>
Airport	
Personnel	82,260
Supplies & Expenses	38,200
Other services & Charges	75,958
Capital Outlays	0
Total - Airport	<u>196,418</u>
Cemetery	
Personnel	778,103
Supplies & Expenses	92,950
Other services & Charges	61,351
Capital Outlays	85,000
Total - Cemetery	<u>1,017,404</u>
Parking Garages	
Personnel	238,330
Supplies & Expenses	8,850
Other services & Charges	70,350
Capital Outlays	0
Total - Parking Garages	<u>317,530</u>
Operating Transfers Out	<u>3,400,000</u>
Total Expenditures & Transfers	<u>58,723,611</u>
Ending Cash Balance	<u>\$2,180,412</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u>\$60,904,023</u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

PARKS & RECREATION FUND:

REVENUES & BEG. CASH:

Inter-governmental Revenues:	
Federal Grants	\$0
State Grants	0
County Shared Revenues	0
Misc. grants	0
Charges for Services:	
Culture & Recreation	33,660
Miscellaneous	25,700
Transfers-In	2,570,000
Non-Revenue Receipts	0
Total From All Sources	
Other Than taxation	2,629,360
Beginning Cash and	
Investment Balance	658,638
Amount to be Raised by Tax Levy	880,000
TOTAL FROM ALL SOURCES	\$4,167,998

EXPENDITURES & ENDING CASH:

Culture & Recreation:	
Personnel	1,827,741
Supplies & Expenses	522,201
Other services & Charges	1,086,264
Capital Outlays	572,500
Total Expenditures	\$4,008,706
Cash balance at End of Year	159,292
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$4,167,998

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

MUNICIPAL FIRE PROTECTION FUND:

REVENUES & BEG. CASH:

Inter-governmental Revenues:	
State-Shared Revenues	\$257,000
Charges for Services	95,652
Fines & Forfeits	0
Miscellaneous	3,000
Transfers In	0
Non-Revenue Receipts	450,000
Total From All Sources	
Other Than taxation	<u>805,652</u>
Beginning Cash and	
Investment Balance	<u>767,033</u>
TOTAL FROM ALL SOURCES	<u>\$1,572,685</u>

EXPENDITURES & ENDING CASH:

Public Safety:	
Personnel	\$0
Supplies & Expenses	114,742
Other services & Charges	24,675
Capital Outlays	786,390
Lease Debt Service - Principal	403,395
Lease Debt Service - Interest	8,390
Total Expenditures	<u>\$1,337,592</u>
Cash balance at End of Year	<u>235,093</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u>\$1,572,685</u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SPECIAL STREET
SPECIAL REVENUE FUND:

REVENUES & BEG. CASH:

Inter-governmental Revenues:

Federal Grants	\$0
State Shared Revenues	60,000
Misc. grants	0
Miscellaneous	500
Non-Revenue Receipts	<u>0</u>
Total From All Sources	
Other Than taxation	<u>60,500</u>
Beginning Cash and	
Investment Balance	68,062
TOTAL FROM ALL SOURCES	<u><u>\$128,562</u></u>

EXPENDITURES & ENDING CASH:

Public Services:

Supplies & Expenses	0
Other services & Charges	75,500
Capital Outlays	<u>0</u>
Total Expenditures	<u>\$75,500</u>
Cash balance at End of Year	<u>53,062</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u><u>\$128,562</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**WATER & SEWER OPERATION
AND MAINTENANCE FUND:**

REVENUES & BEG. CASH:

Charges for Services	\$25,000
Transfers-In	10,450,000
Miscellaneous	4,200
Non-Revenue Receipts	57,000
Total From All Sources	
Other Than taxation	10,536,200
Beginning Cash and	
Investment Balance	1,319,283
TOTAL FROM ALL SOURCES	\$11,855,483

EXPENDITURES & ENDING CASH:

Personnel	2,945,848
Supplies & Expenses	1,109,696
Other services & Charges	7,058,194
Capital Outlays	302,000
Lease Debt Service - Principal	0
Lease Debt Service - Interest	0
Total Expenditures	\$11,415,738
Cash balance at End of Year	439,745
TOTAL EXPENDITURES AND ENDING CASH BALANCE	\$11,855,483

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**WATER & SEWER BOND
AND INTEREST FUND:**

REVENUES & BEG. CASH:

Transfers-In	\$8,375,000
Miscellaneous	8,000
Non-Revenue Receipts	
Total Revenues	<u>8,383,000</u>
Beginning Cash Balance	<u>11,216,815</u>
TOTAL FROM ALL SOURCES	<u>\$19,599,815</u>

EXPENDITURES & ENDING CASH:

Bonds Redeemed	5,041,000
Interest on Bonds	2,473,448
Paying Agent Fees	15,000
Total Expenditures	<u>7,529,448</u>
Cash balance at End of Year	<u>12,070,367</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u>\$19,599,815</u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

WATER & SEWER ENTERPRISE FUND:

REVENUES & BEG. CASH:

Charges for Services:	
Licenses, Permits & Fees	\$4,000
Miscellaneous	3,500
Metered Water Sales	10,757,200
Taps	150,000
Water Turn-On Fees	50,000
Sewer Connections	40,000
Sewer Charges	10,832,600
Total Revenues	<u>21,837,300</u>
Beginning Fund Balance	<u>0</u>
TOTAL FROM ALL SOURCES	<u><u>\$21,837,300</u></u>

EXPENDITURES & ENDING CASH:

Other Services & Charges	87,700
Principal Redeemed - Notes	96,000
Interest on Notes	3,467
Operating Transfers Out	21,650,133
Total Expenditures	<u>\$21,837,300</u>
Cash balance at End of Year	<u>\$0</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u><u>\$21,837,300</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**1999 TAX INCREMENT BOND & INTEREST
FUND (DEBT SERVICE FUND):**

REVENUES & BEG. CASH:

Interest	\$0
County-Shared Revenues	0
Total From All Sources	0
Other Than taxation	0
Beginning Cash and	
Investment Balance	6,895
Amount to be Raised by Tax Levy	0
TOTAL FROM ALL SOURCES	\$6,895

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	0
Interest on Bonds	0
Paying Agent Fees	0
Transfers Out	6,895
Other Services & Charges	0
Total Expenditures	\$6,895
Cash balance at End of Year	0
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$6,895

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

CITY BOND & INTEREST
FUND (DEBT SERVICE FUND):

REVENUES & BEG. CASH:

County-Shared Revenues	\$0
Interest	7,000
Non-Revenue receipts	214,100
Transfers-In	125,120
Total From All Sources	
Other Than taxation	346,220
Beginning Cash and	
Investment Balance	5,005,836
Amount to be Raised by Tax Levy	2,540,000
TOTAL FROM ALL SOURCES	\$7,892,056

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	1,700,000
Interest on Bonds	223,350
Other Services & Charges	33,000
Paying Agent Fees	12,000
Total Expenditures	\$1,968,350
Cash balance at End of Year	5,923,706
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$7,892,056

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

Water & Sewer Bond & Interest
Fund (USA Yeast Project):

REVENUES & BEG. CASH:

Interest	\$0
Transfer from Other Funds	0
Total From All Sources	0
Other Than taxation	0
Beginning Cash and	
Investment Balance	22
TOTAL FROM ALL SOURCES	\$22

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	\$0
Interest on Bonds	0
Transfers Out	22
Other Services & Charges	0
Total Expenditures	\$22
Cash balance at End of Year	0
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$22

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

FINES & FORFEITURES FUND:

REVENUES & BEG. CASH:

State grants	
Charges for Services	1,800
Fines & Forfeits	75,742
Miscellaneous	122
Non-Revenue Receipts	0
Total From All Sources	
Other Than taxation	77,664
Beginning Cash and	
Investment Balance	354,826
TOTAL FROM ALL SOURCES	\$432,490

EXPENDITURES & ENDING CASH:

Public Safety:	
Personnel	0
Supplies & Expenses	57,175
Other services & Charges	43,530
Capital Outlays	293,917
Transfers Out	0
Total Expenditures	\$394,622
Cash balance at End of Year	37,868
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$432,490

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2002 TIF BOND & INTEREST
FUND (Southern Pointe Project):

REVENUES & BEG. CASH:

Interest	\$0
Transfers In	\$0
County-Shared Revenues	133,704
Total From All Sources	
Other Than taxation	133,704
Beginning Cash and	
Investment Balance	259,504
Amount to be Raised by Tax Levy	133,704
TOTAL FROM ALL SOURCES	\$526,912

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	140,000
Interest on Bonds	104,033
Other Services & Charges	2,000
Total Expenditures	\$246,033
Cash balance at End of Year	280,879
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$526,912

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2004 TIF BOND & INTEREST
FUND (Home Depot Project):

REVENUES & BEG. CASH:

Interest	\$0
County-Shared Revenues	0
Transfer From Other Funds	0
Total From All Sources	
Other Than taxation	0
Beginning Cash and	
Investment Balance	67,570
Amount to be Raised by Tax Levy	0
TOTAL FROM ALL SOURCES	\$67,570

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	0
Interest on Bonds	0
Transfers Out	67,570
Other Services & Charges	0
Total Expenditures	\$67,570
Cash balance at End of Year	0
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$67,570

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2003 TIF BOND & INTEREST
FUND (Chauvet Square Project):

REVENUES & BEG. CASH:

Interest	\$0
Transfer From Other Funds	0
Total From All Sources	
Other Than taxation	0
Beginning Cash and	
Investment Balance	194,568
Amount to be Raised by Tax Levy	282,127
TOTAL FROM ALL SOURCES	\$476,695

EXPENDITURES & ENDING CASH:

General Issues:

Bonds Redeemed	120,000
Interest on Bonds	71,688
Other Services & Charges	2,000
Transfers to Other Funds	0
Total Expenditures	\$193,688
Cash balance at End of Year	283,007
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$476,695

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2007 TIF BOND & INTEREST
FUND (Turtle Creek):

REVENUES & BEG. CASH:

Interest	\$50
County Shared Revenue	\$112,860
Transfer From Other Funds	
Total From All Sources	
Other Than taxation	112,910
Beginning Cash and	
Investment Balance	72,081
Amount to be Raised by Tax Levy	343,109
TOTAL FROM ALL SOURCES	\$528,100

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	375,000
Interest on Bonds	76,441
Other Services & Charges	3,500
Total Expenditures	\$454,941
Cash balance at End of Year	73,159
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$528,100

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

2008 TIF BOND AND INTEREST FUND
FUND (Lincoln Center):

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$0
Transfer From Other Funds	0
Total From All Sources	0
Other Than taxation	0
Beginning Cash and Investment Balance	122,564
Amount to be Raised by Tax Levy	0
TOTAL FROM ALL SOURCES	\$122,564

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	45,000
Interest on Bonds	11,600
Other Services & Charges	1,000
Total Expenditures	\$57,600
Cash balance at End of Year	64,964
TOTAL EXPENDITURES AND ENDING CASH BALANCE	\$122,564

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

2011 TIF BOND AND INTEREST FUND
FUND (Turtle Creek Crossing/Kohl's):

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$31,850
Transfer From Other Funds	
Total From All Sources	
Other Than taxation	31,850
Beginning Cash and	
Investment Balance	15,698
Amount to be Raised by Tax Levy	64,530
TOTAL FROM ALL SOURCES	\$112,078

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	75,000
Interest on Bonds	16,000
Other Services & Charges	2,000
Total Expenditures	\$93,000
Cash balance at End of Year	19,078
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$112,078

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

2016 TIF BOND AND INTEREST
FUND (Whispering Pines):

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$183,260
Transfer From Other Funds	0
Total From All Sources	
Other Than taxation	183,260
Beginning Cash and	
Investment Balance	195,864
Amount to be Raised by Tax Levy	152,575
TOTAL FROM ALL SOURCES	\$531,699

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	156,000
Interest on Bonds	123,863
Other Services & Charges	1,300
Total Expenditures	\$281,163
Cash balance at End of Year	250,536
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$531,699

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

2016 TIF BOND AND INTEREST FUND
FUND (Hattiesburg Clinic Midtown):

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$38,023
Transfer From Other Funds	0
Total From All Sources	
Other Than taxation	38,023
Beginning Cash and	
Investment Balance	89,948
Amount to be Raised by Tax Levy	38,023
TOTAL FROM ALL SOURCES	\$165,994

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	44,000
Interest on Bonds	32,045
Other Services & Charges	0
Total Expenditures	\$76,045
Cash balance at End of Year	89,949
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$165,994

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**AIRPORT IMPROVEMENT
SPECIAL REVENUE FUND:**

REVENUES & BEG. CASH:

Federal Grants	\$1,834,761
State Shared Revenues	99,671
Miscellaneous	0
Transfers In	0
Non-Revenue Receipts	0
Total From All Sources	
Other Than taxation	1,934,432
Beginning Cash and Investment Balance	(575,204)
TOTAL FROM ALL SOURCES	\$1,359,228

EXPENDITURES & ENDING CASH:

Public Services:	
Other services & Charges	0
Capital Outlays	1,359,228
Total Expenditures	\$1,359,228
Cash balance at End of Year	0
TOTAL EXPENDITURES AND ENDING CASH BALANCE	\$1,359,228

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

2015A TIF BOND AND INTEREST FUND
FUND (The Ridge at Turtle Creek):

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$29,877
Transfer From Other Funds	0
Total From All Sources	
Other Than taxation	29,877
Beginning Cash and	
Investment Balance	101,182
Amount to be Raised by Tax Levy	117,891
TOTAL FROM ALL SOURCES	\$248,950

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	57,000
Interest on Bonds	90,768
Other Services & Charges	2,000
Total Expenditures	\$149,768
Cash balance at End of Year	99,182
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$248,950

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

2015B TIF BOND AND INTEREST FUND
FUND (Midtown Market):

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$11,500
Transfer From Other Funds	<u>0</u>
Total From All Sources	
Other Than taxation	<u>11,500</u>
Beginning Cash and	
Investment Balance	9,933
Amount to be Raised by Tax Levy	<u>16,345</u>
TOTAL FROM ALL SOURCES	<u><u>\$37,778</u></u>

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	10,000
Interest on Bonds	15,295
Other Services & Charges	<u>2,000</u>
Total Expenditures	<u>\$27,295</u>
Cash balance at End of Year	<u>10,483</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u><u>\$37,778</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

MUNICIPAL ROAD & BRIDGE
SPECIAL REVENUE FUND:

REVENUES & BEG. CASH:

Inter-governmental Revenues:	
State Grants	\$2,820,767
Federal Grants	450,000
County Shared Revenues	1,800,000
Miscellaneous	1,058,000
Non-Revenue Receipts	0
Total From All Sources	
Other Than taxation	6,128,767
Beginning Cash and	
Investment Balance	1,242,932
TOTAL FROM ALL SOURCES	\$7,371,699

EXPENDITURES & ENDING CASH:

Public Services:	
Supplies & Expenses	0
Other services & Charges	1,610,000
Capital Outlays	5,613,569
Principal Payments	0
Interest Payments	0
Total Expenditures	\$7,223,569
Cash balance at End of Year	148,130
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$7,371,699

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal year Ending September 30, 2018

**MASS TRANSIT OPERATING
SPECIAL REVENUE FUND:**

REVENUES & BEG. CASH:

Inter-governmental Revenues:	
Federal Grants	\$3,852,551
State Grants	\$0
Miscellaneous	45,700
Transfers-In	230,000
Non-Revenue Reciepts	360,000
Total From All Sources	<u>4,488,251</u>
Other Than taxation	<u>4,488,251</u>
Beginning Cash and	
Investment Balance	152,221
Amount to be Raised by Tax Levy	<u>219,000</u>
TOTAL FROM ALL SOURCES	<u>\$4,859,472</u>

EXPENDITURES & ENDING CASH:

Personnel	855,225
Supplies & Expenses	196,400
Other services & Charges	575,932
Capital Outlays	3,115,459
Total Expenditures	<u>\$4,743,016</u>
Cash balance at End of Year	<u>116,456</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u>\$4,859,472</u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal year Ending September 30, 2018

WATER & SEWER CONSTRUCTION FUND:

REVENUES & BEG. CASH:

Inter-governmental Revenues:	
Federal Grants	\$500,000
Miscellaneous	269,000
Transfers-In	2,225,133
Non-Revenue Receipts	<u>0</u>
Total From All Sources	
Other Than taxation	<u>2,994,133</u>
Beginning Cash and	
Investment Balance	<u>2,701,269</u>
TOTAL FROM ALL SOURCES	<u><u>\$5,695,402</u></u>

EXPENDITURES & ENDING CASH:

Other services & Charges	\$1,500,000
Capital Outlays	3,967,000
Transfers	<u>0</u>
Total Expenditures	<u>5,467,000</u>
Cash balance at End of Year	<u>228,402</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u><u>\$5,695,402</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**COMMUNITY CENTERS
SPECIAL REVENUE FUND:**

REVENUES & BEG. CASH:

Charges for services:	
Culture & Recreation	\$13,700
Miscellaneous	600
Transfers-In	600,000
Non-Revenue Receipts	500
Total From All Sources	
Other Than taxation	614,800
Beginning Cash and	
Investment Balance	698,039
TOTAL FROM ALL SOURCES	\$1,312,839

EXPENDITURES & ENDING CASH:

Personnel	596,139
Supplies & Expenses	67,050
Other services & Charges	175,010
Capital Outlays	124,750
Total Expenditures	\$962,949
Cash balance at End of Year	349,890
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$1,312,839

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

***Public Safety Complex/Recreation
Construction Fund:***

REVENUES & BEG. CASH:

Proceeds from Bond Issue	0
Interest Earnings	
Total Revenues	<u>0</u>
Beginning Cash and	
Investment Balance	<u>681,413</u>
TOTAL FROM ALL SOURCES	<u><u>\$681,413</u></u>

EXPENDITURES & ENDING CASH:

Other services & Charges	580,891
Capital Outlays	100,522
Transfers to Other Funds	<u>0</u>
Total Expenditures	<u>\$681,413</u>
Cash balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u><u>\$681,413</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

MDA Energy Efficiency Capital Projects
Fund:

REVENUES & BEG. CASH:

Proceeds from Bond Issue	\$0
Interest Earnings	0
Total Revenues	0
Beginning Cash and Investment Balance	605,808
TOTAL FROM ALL SOURCES	\$605,808

EXPENDITURES & ENDING CASH:

Other services & Charges	0
Capital Outlays	605,808
Transfers to Other Funds	0
Total Expenditures	\$605,808
Cash Balance at End of Year	0
TOTAL EXPENDITURES AND ENDING CASH BALANCE	\$605,808

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

TIF Construction Fund:

REVENUES & BEG. CASH:

Proceeds from Bond Issue	\$0
Interest Earnings	
Total Revenues	<u>0</u>
Beginning Cash and	
Investment Balance	<u>207</u>
TOTAL FROM ALL SOURCES	<u><u>\$207</u></u>

EXPENDITURES & ENDING CASH:

Other services & Charges	0
Capital Outlays	0
Transfers to Other Funds	<u>207</u>
Total Expenditures	<u>\$207</u>
Cash Balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u><u>\$207</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2016 WATER & SEWER REVENUE BOND
CONSTRUCTION FUND:

REVENUES & BEG. CASH:

Interest Earnings	0
Proceeds from Revenue Bond Issue	\$0
Total Revenues	<u>0</u>
Beginning Cash and Investment Balance	24,082,143
TOTAL FROM ALL SOURCES	<u><u>\$24,082,143</u></u>

EXPENDITURES & ENDING CASH:

Other services & Charges	635,143
Capital Outlays	23,447,000
Transfers Out	
Total Expenditures	<u>\$24,082,143</u>
Cash balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u><u>\$24,082,143</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2012 WATER & SEWER REVENUE BOND
CONSTRUCTION FUND:

REVENUES & BEG. CASH:

Interest Earnings	0
Proceeds from Revenue Bond Issue	
Total Revenues	<u>0</u>
Beginning Cash and	
Investment Balance	<u>61</u>
TOTAL FROM ALL SOURCES	<u><u>\$61</u></u>

EXPENDITURES & ENDING CASH:

Other services & Charges	
Capital Outlays	0
Transfers Out	<u>61</u>
Total Expenditures	<u>\$61</u>
Cash balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u><u>\$61</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2001 BOND
CONSTRUCTION FUND:

REVENUES & BEG. CASH:

Interest Earnings	\$0
Grant Revenues - State of MS	0
Transfers In	0
Proceeds from General Obligation Bond Issue	0
Total Revenues	<u>0</u>
Beginning Cash and Investment Balance	<u>174</u>
TOTAL FROM ALL SOURCES	<u><u>\$174</u></u>

EXPENDITURES & ENDING CASH:

Other services & Charges	0
Capital Outlays	0
Transfers Out	<u>174</u>
Total Expenditures	<u>\$174</u>
Cash balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u><u>\$174</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

KAMPER PARK ZOO CAPITAL
IMPROVEMENTS FUND:

REVENUES & BEG. CASH:

State Grants	\$0
Miscellaneous	0
Charges for Services	0
Transfers-In from Other Funds	0
Non-Revenue Receipts	0
Total Revenues	<u>0</u>
Beginning Cash and	
Investment Balance	2,248
TOTAL FROM ALL SOURCES	<u><u>\$2,248</u></u>

EXPENDITURES & ENDING CASH:

Supplies	0
Other services & Charges	0
Capital Outlays	2,248
Total Expenditures	<u>\$2,248</u>
Cash balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u><u>\$2,248</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2013 WATER & SEWER REVENUE BOND
CONSTRUCTION FUND:

REVENUES & BEG. CASH:

Interest Earnings	0
Proceeds from Revenue Bond Issue	\$0
Total Revenues	<u>0</u>
Beginning Cash and Investment Balance	<u>351,166</u>
TOTAL FROM ALL SOURCES	<u><u>\$351,166</u></u>

EXPENDITURES & ENDING CASH:

Other services & Charges	0
Capital Outlays	351,166
Transfers Out	<u>0</u>
Total Expenditures	<u>\$351,166</u>
Cash balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u><u>\$351,166</u></u>

RESOLUTION

WHEREAS, the Mayor and City Council of the City of Hattiesburg, Mississippi, have determined that expenditures within the City will exceed the original budget appropriation; and

WHEREAS, the additional appropriation needed is in excess of ten percent (10%) of the original appropriation, and in accordance with Section 21-35-25 of the Mississippi Code of 1972, as amended, shall be published;

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF HATTIESBURG:

Section 1. That the following budget amendments are hereby authorized to be made in the City’s General Fund General Government Supplies Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$284,914	\$31,308	\$316,222	Adjust budget for prior year purchase orders for tornado repairs; establish budget for school bond issue election

Section 2. That the following budget amendments are hereby authorized to be made in the City’s Municipal Fire Protection Fund Supplies Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$69,742	\$45,000	\$114,742	Increase budget for vehicle repairs

Section 3. That the following budget amendments are hereby authorized to be made in the City’s Police Forfeitures Fund Supplies Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$41,441	\$15,734	\$57,175	Budget revenue received for purchase of supplies

Section 4. That the following budget amendments are hereby authorized to be made in the City’s Police Forfeitures Fund Other Services & Charges Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$6,600	\$36,930	\$43,530	Budget revenue received for travel and training costs

Section 5. That the following budget amendments are hereby authorized to be made in the City’s Police Forfeitures Fund Capital Outlay Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$258,917	\$35,000	\$293,917	Budget revenue received for relocation of service center bldg

Section 6. That the following budget amendments are hereby authorized to be made in the City’s Mass Transit Fund Capital Outlay Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$2,555,695	\$559,764	\$3,115,459	Increase budget for security and farebox equipment

Section 7. That the following budget amendments are hereby authorized to be made in the City’s Water & Sewer Construction Fund Capital Outlay Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$3,217,000	\$750,000	\$3,967,000	Adjust budget for sewer and drainage repairs and replace bridge at south lagoon

Section 8. That the following budget amendments are hereby authorized to be made in the City’s Water & Sewer Operation & Maintenance Fund Other Services & Charges Unappropriated Fund Balance:

ORIGINAL BALANCE	CUMULATIVE AMENDMENTS	AMENDED BUDGET	DESCRIPTION OF ITEMS NOT PREVIOUSLY LISTED
\$6,398,194	\$660,000	\$7,058,194	Adjust budget for water & sewer line repairs; fee for collection of unrealized utility revenue; audit costs

Section 9. That public interest and necessity requiring same, this resolution shall become effective immediately from and after passage, but nevertheless to be published according to law.

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

YEAS:	NAYS:
George	None
Delgado	
Carroll	
Dryden	
Brown	

The President thereby declared the motion carried and the Resolution adopted, this the 22nd day of May, 2018.

(S E A L)

ATTEST:

Deputy

CLERK OF COUNCIL

ADOPTED:


PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 22nd day of May, 2018.

ATTEST:


CITY CLERK

APPROVED:


MAYOR

MEMORANDUM

TO : Mayor Barker, Members of City Council
FROM : Connie Everett, Interim CFO
DATE : May 22, 2018
SUBJECT : Proposed Amendments, FY 2018

Below is a summary of proposed amendments to the FY 2018 budget. Attached is a more detailed list of proposed changes to the General Fund, detailing the impact to the Fund’s budgeted ending cash. Descriptions are also included for proposed changes to the budgets of other funds.

- Amendments for the General Fund are funded without using the budgeted ending fund balance. It remains the same at \$2,180,412.

Significant items specifically for the **General Fund** include:

- The Council budget was increased to cover audit costs for the FY 2017 audit as well as costs associated with additional research on the FY 2015 audit to determine methodology used by previous auditors.
- A budget was established for the Elections cost center to cover the costs of the school bond issue election.
- Roof repairs for the Hattiesburg American building.
- The Police Department requested budget increases for telephone costs, equipment rent, towing charges, travel expenses for training.
- An increase to the Engineering costs for design engineering on various projects.
- Budgets for disaster repairs were decreased in certain departments where repairs have been completed.

Significant budget adjustments in other funds include:

Water & Sewer Operation & Maintenance Fund:

- An increase for the collection cost of unpaid water & sewer accounts, per the city’s agreement with Water Company of America. Increase budget for audit costs.

Mass Transit Fund:

- Previously approved grant expenditures for security equipment and farebox media equipment were omitted in error on previous amendments.

Memorandum

May 22, 2018

Page 2

Water & Sewer Construction Fund:

- The budget was increased to cover the cost of replacing the bridge into the south lagoon.

Police Forfeitures Fund:

- Revenue received this fiscal year was budgeted for purchase of equipment and supplies and relocation of the service center building.

If you have questions concerning the information presented, please give me a call.

RECAP OF PROPOSED AMENDMENTS
May 22, 2018
FY 2018

GENERAL FUND:		
Budgeted Ending Cash as amended		2,180,412
Amendments to Revenues:		
Miscellaneous - contribution for Hazmat supplies)	3,000	
Total Amendments to Revenues		3,000
Amendments to Expenditures:		
City Council - audit expense	(100,000)	
Elections - establish budget	(50,500)	
Gen.Govt.Bldg - Hburg American Bldg roof	(20,000)	
Police - telephone, travel, equip.rent, towing	(19,000)	
Police/Fire Training - Hazmat supplies	(3,000)	
Engineering - general engineering costs	(40,000)	
Federal Programs - decrease budget for tornado rprs	100,000	
Fire - decrease budget for tornado rprs	6,563	
Ins/Other Svcs - decrease equip rpr budget	32,000	
Streets - decrease budget for tornado rprs	80,937	
Airport - decrease equipment repair budget	10,000	
Total Amendments to General Fund Expenditures		(3,000)
Budgeted Ending Cash, as Amended		<u>\$ 2,180,412</u>
MUNICIPAL FIRE PROTECTION FUND:		
Reclassify capital budget for vehicle repairs		\$ 45,000
WATER & SEWER OPERATION & MAINTENANCE FUND:		
Increase budget for collection cost of unpaid water & sewer accounts and audit costs		\$ 135,000
POLICE FORFEITURES FUND:		
Budget revenue received for equipment purchases and service center building relocation		\$ 77,664
MASS TRANSIT FUND:		
Adjust budget for grant-approved security equipment and farebox media equipment		\$ 320,631
WATER & SEWER CONSTRUCTION FUND:		
Increase budget for bridge replacement at south lagoon entrance		\$ 400,000

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
<u>Revenues & Beg. Cash Balance:</u>							
Taxes -Other	\$35,000		\$35,000		\$35,000		\$35,000
Licenses & Permits	4,520,900		4,520,900		\$4,520,900		\$4,520,900
Intergovernmental Revenues:							\$0
Federal	2,844,703	1,295,388	4,140,091	8,000	\$4,148,091		\$4,148,091
State	168,299	100,000	268,299		\$268,299		\$268,299
State-Shared	22,799,000	56,166	22,855,166		\$22,855,166		\$22,855,166
County/City Shared	0		0		\$0		\$0
Charges for Services:					\$0		\$0
Public Safety	202,000		202,000		\$202,000		\$202,000
Streets	1,000		1,000		\$1,000		\$1,000
Sanitation	2,195,000		2,195,000		\$2,195,000		\$2,195,000
Misc.	0		0		\$0		\$0
Fines & Forf.	1,238,000		1,238,000		\$1,238,000		\$1,238,000
Misc. Revenues	299,400		299,400	15,000	\$314,400	3,000	\$317,400
Transfers-In	890,000	74,465	964,465		\$964,465		\$964,465
Non-Revenue Receipts	1,127,412	575,000	1,702,412		\$1,702,412		\$1,702,412
TOTAL REVENUES EXCLUSIVE OF PROPERTY TAXES	\$36,320,714	\$2,101,019	\$38,421,733	\$23,000	\$38,444,733	\$3,000	\$38,447,733
Beg. Fund Balance	6,500,000	-1,157,710	5,342,290		\$5,342,290		5,342,290
Property Tax Levy	17,114,000	0	17,114,000		\$17,114,000		17,114,000
TOTAL AVAIL. REVENUES	\$59,934,714	\$943,309	\$60,878,023	\$23,000	\$60,901,023	\$3,000	\$60,904,023

THE GENERAL FUND EXPENDITURE BUDGETS:

City Council							
Personnel	\$386,770		\$386,770		\$386,770		386,770
Supplies & Expenses	3,700		3,700		\$3,700		3,700
Other Services & Charges	174,400		174,400	80,050	\$254,450	100,000	354,450
Capital Outlays	0		0		\$0		0
Total - City Council	\$564,870	\$0	\$564,870	\$80,050	\$644,920	\$100,000	\$744,920

City Court							
Personnel	\$1,052,864		\$1,052,864		\$1,052,864		1,052,864

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Supplies & Expenses	37,600		37,600		\$37,600		37,600
Other Services & Charges	338,700	20,750	359,450		\$359,450		359,450
Capital Outlays	0		0		\$0		0
Total - City Court	\$1,429,164	\$20,750	\$1,449,914	\$0	\$1,449,914	\$0	\$1,449,914
Mayor/Admin.							
Personnel	\$867,836	-\$23,445	\$844,391	-\$43,830	\$800,561		800,561
Supplies & Expenses	15,100		15,100		\$15,100		15,100
Other Services & Charges	173,450		173,450		\$173,450		173,450
Capital Outlays	2,000		2,000		\$2,000		2,000
Total - Mayor/Admin.	\$1,058,386	-\$23,445	\$1,034,941	-\$43,830	\$991,111	\$0	\$991,111
Elections							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0	2,300	2,300
Other Services & Charges	0		0		\$0	48,200	48,200
Capital Outlays	0		0		\$0		0
Total - Elections	\$0	\$0	\$0	\$0	\$0	\$50,500	\$50,500
Muni. Clerk							
Personnel	\$169,150	\$4,944	\$174,094	-\$15,750	\$158,344		\$158,344
Supplies & Expenses	5,650		5,650		\$5,650		5,650
Other Services & Charges	50,600		50,600		\$50,600		50,600
Capital Outlays	0		0		\$0		0
Total - Muni Clerk	\$225,400	\$4,944	\$230,344	-\$15,750	\$214,594	\$0	\$214,594
Accounting							
Personnel	\$305,424	\$6,122	\$311,546		\$311,546		\$311,546
Supplies & Expenses	7,275		7,275		\$7,275		7,275
Other Services & Charges	3,625		3,625		\$3,625		3,625
Capital Outlays	0		0		\$0		0
Total - Accounting	\$316,324	\$6,122	\$322,446	\$0	\$322,446	\$0	\$322,446
Purchasing							

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Personnel	\$146,527	-\$44,433	\$102,094	\$67,783	\$169,877		\$169,877
Supplies & Expenses	7,600		7,600		\$7,600		7,600
Other Services & Charges	5,950		5,950		\$5,950		5,950
Capital Outlays	0		0		\$0		0
Total - Purchasing	\$160,077	-\$44,433	\$115,644	\$67,783	\$183,427	\$0	\$183,427
City Attorney							
Personnel	\$94,465		\$94,465		\$94,465		\$94,465
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	7,800		7,800		\$7,800		7,800
Capital Outlays	0		0		\$0		0
Total - City Attorney	\$102,265	\$0	\$102,265	\$0	\$102,265	\$0	\$102,265
Human Resources							
Personnel	\$187,189	\$13,626	\$200,815		\$200,815		\$200,815
Supplies & Expenses	9,900		9,900		\$9,900		9,900
Other Services & Charges	20,110		20,110		\$20,110		20,110
Capital Outlays	0		0		\$0		0
Total - Human Resources	\$217,199	\$13,626	\$230,825	\$0	\$230,825	\$0	\$230,825
Loss Control							
Personnel	\$113,567		\$113,567		\$113,567		\$113,567
Supplies & Expenses	7,460	-560	6,900		\$6,900		6,900
Other Services & Charges	2,100	1,900	4,000		\$4,000		4,000
Capital Outlays	0		0		\$0		0
Total - Loss Control	\$123,127	\$1,340	\$124,467	\$0	\$124,467	\$0	\$124,467
Urban Development							
Personnel	\$630,438	\$50,991	\$681,429	\$4,739	\$686,168		\$686,168
Supplies & Expenses	29,255	-432	28,823		\$28,823		28,823
Other Services & Charges	68,197	45,000	113,197	15,000	\$128,197		128,197
Capital Outlays	0		0		\$0		0
Total - Urban Dev.	\$727,890	\$95,559	\$823,449	\$19,739	\$843,188	\$0	\$843,188

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Information Systems							
Personnel	\$393,068		\$393,068	-\$7,640	\$385,428		\$385,428
Supplies & Expenses	57,900		57,900		\$57,900		57,900
Other Services & Charges	593,245		593,245		\$593,245		593,245
Capital Outlays	326,250		326,250		\$326,250		326,250
Total - Inf. Systems	\$1,370,463	\$0	\$1,370,463	-\$7,640	\$1,362,823	\$0	\$1,362,823
Gen. Gov't Building							
Personnel			\$0		\$0		\$0
Supplies & Expenses	27,035		27,035		\$27,035		27,035
Other Services & Charges	249,249		249,249	-10,000	\$239,249	20,000	259,249
Capital Outlays	20,000	377,000	397,000		\$397,000		397,000
Total - Gen. Gov't Building	\$296,284	\$377,000	\$673,284	-\$10,000	\$663,284	\$20,000	\$683,284
Intermodal Facility (Depot) O & M:							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	25,400		25,400		\$25,400		25,400
Other Services & Charges	133,440		133,440	-5,000	\$128,440		128,440
Capital Outlays	0		0		\$0		0
Total - Depot O & M	\$158,840	\$0	\$158,840	-\$5,000	\$153,840	\$0	\$153,840
Metro Planning							
Personnel	\$259,120		\$259,120		\$259,120		\$259,120
Supplies & Expenses	18,200		18,200		\$18,200		18,200
Other Services & Charges	110,700		110,700	37,250	\$147,950		147,950
Capital Outlays	0		0		\$0		0
Total - Metro Planning	\$388,020	\$0	\$388,020	\$37,250	\$425,270	\$0	\$425,270
Gen. Gov't Insurance/Other serv.							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	2,996,700	5,325	3,002,025	-6,840	\$2,995,185	-32,000	2,963,185
Capital Outlays			0		\$0		0
Total - Gen. Gov't Insur/other Serv.	\$2,996,700	\$5,325	\$3,002,025	-\$6,840	\$2,995,185	-\$32,000	\$2,963,185

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Federal Programs Administration							
Personnel	\$168,026	-\$70,733	97,293	\$2,820	\$100,113		100,113
Supplies	32,839	\$30,000	62,839		\$62,839		62,839
Other Services & Charges	360,500	-\$30,000	330,500	-\$55,998	\$274,502	-\$100,000	174,502
Capital Outlay	0		0		\$0		0
Total - Federal Programs Admin.	\$561,365	-\$70,733	\$490,632	-\$53,178	\$437,454	-\$100,000	\$337,454
Recap - General Government Cost Centers							
Personnel	\$4,774,444	-\$62,928	\$4,711,516	\$8,122	\$4,719,638	\$0	\$4,719,638
Supplies & Expenses	\$284,914	\$29,008	\$313,922	\$0	\$313,922	\$2,300	\$316,222
Other Services & Charges	\$5,288,766	\$42,975	\$5,331,741	\$54,462	\$5,386,203	\$36,200	\$5,422,403
Capital Outlays	\$348,250	\$377,000	\$725,250	\$0	\$725,250	\$0	\$725,250
Total - Gen. Government	\$10,696,374	\$386,055	\$11,082,429	\$62,584	\$11,145,013	\$38,500	\$11,183,513
Police							
Personnel	\$11,111,742	\$12,340	\$11,124,082		\$11,124,082		\$11,124,082
Supplies & Expenses	701,487	11,822	713,309	-1,000	\$712,309		712,309
Other Services & Charges	487,797		487,797		\$487,797	19,000	506,797
Capital Outlays	592,822	593,178	1,186,000		\$1,186,000		1,186,000
Total - Police	\$12,893,848	\$617,340	\$13,511,188	-\$1,000	\$13,510,188	\$19,000	\$13,529,188
Police & Fire Training							
Personnel	\$37,615		\$37,615		\$37,615		\$37,615
Supplies & Expenses	149,732		149,732	-2,000	\$147,732	3,000	150,732
Other Services & Charges	105,695		105,695	5,000	\$110,695		110,695
Capital Outlays	0		0		\$0		0
Total - Police & Fire Training	\$293,042	\$0	\$293,042	\$3,000	\$296,042	\$3,000	\$299,042
Fire							
Personnel	\$8,048,588		\$8,048,588		\$8,048,588		\$8,048,588
Supplies & Expenses	314,913		314,913	25,000	\$339,913	83	339,996
Other Services & Charges	305,523		305,523	-17,000	\$288,523	-6,646	281,877
Capital Outlays	0	13,300	13,300		\$13,300		13,300

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Total - Fire Dept.	\$8,669,024	\$13,300	\$8,682,324	\$8,000	\$8,690,324	-\$6,563	\$8,683,761
Code Enforcement							
Personnel	\$585,558	\$57,119	\$642,677	\$3,860	\$646,537		\$646,537
Supplies & Expenses	28,100		28,100		\$28,100		28,100
Other Services & Charges	158,700		158,700		\$158,700		158,700
Capital Outlays	0		0		\$0		0
Total - Code Enforcement	\$772,358	\$57,119	\$829,477	\$3,860	\$833,337	\$0	\$833,337
Contractual Services - Public Safety							
Personnel	\$221,800	-\$25,000	\$196,800		\$196,800		\$196,800
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	1,326,000	-30,000	1,296,000		\$1,296,000		1,296,000
Capital Outlays			0		\$0		0
Total - Cont. Serv. - Public Safety	\$1,547,800	-\$55,000	\$1,492,800	\$0	\$1,492,800	\$0	\$1,492,800
<u>Public Services Cost Centers:</u>							
Traffic Maint.							
Personnel	\$411,522		\$411,522		\$411,522		\$411,522
Supplies & Expenses	142,211		142,211		\$142,211		142,211
Other Services & Charges	46,364		46,364		\$46,364		46,364
Capital Outlays	0		0		\$0		0
Total - Traffic Maint.	\$600,097	\$0	\$600,097	\$0	\$600,097	\$0	\$600,097
Streets							
Personnel	\$1,913,731		\$1,913,731		\$1,913,731		\$1,913,731
Supplies & Expenses	567,334		567,334	40,000	\$607,334	-80,937	526,397
Other Services & Charges	1,190,355	72,000	1,262,355	-5,000	\$1,257,355		1,257,355
Capital Outlays	155,000		155,000		\$155,000		155,000
Total - Streets	\$3,826,420	\$72,000	\$3,898,420	\$35,000	\$3,933,420	-\$80,937	\$3,852,483
Street Lights							
Personnel			\$0		\$0		\$0
Supplies & Expenses			0		\$0		0

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Other Services & Charges	1,170,000	-10,000	1,160,000		\$1,160,000		1,160,000
Capital Outlays	0		0		\$0		0
Total - Street Lights	\$1,170,000	-\$10,000	\$1,160,000	\$0	\$1,160,000	\$0	\$1,160,000
Engineering							
Personnel	\$375,475		\$375,475		\$375,475		\$375,475
Supplies & Expenses	11,040		11,040		\$11,040		11,040
Other Services & Charges	303,360		303,360		\$303,360	40,000	343,360
Capital Outlays	0		0		\$0		0
Total - Engineering	\$689,875	\$0	\$689,875	\$0	\$689,875	\$40,000	\$729,875
Shop							
Personnel	\$541,857		\$541,857		\$541,857		\$541,857
Supplies & Expenses	45,845		45,845		\$45,845		45,845
Other Services & Charges	39,000		39,000		\$39,000		39,000
Capital Outlays	0		0		\$0		0
Total - Shop	\$626,702	\$0	\$626,702	\$0	\$626,702	\$0	\$626,702
GOFS							
Personnel	\$281,871		\$281,871	-\$25,989	\$255,882		\$255,882
Supplies & Expenses	10,100		10,100		\$10,100		10,100
Other Services & Charges	16,500		16,500	2,300	\$18,800		18,800
Capital Outlays	0		0		\$0		0
Total - GOFS	\$308,471	\$0	\$308,471	-\$23,689	\$284,782	\$0	\$284,782
Drainage							
Personnel	\$177,492		\$177,492		\$177,492		\$177,492
Supplies & Expenses	63,800		63,800		\$63,800		63,800
Other Services & Charges	240,702		240,702	-97,300	\$143,402		143,402
Capital Outlays	624,000	765,450	1,389,450		\$1,389,450		1,389,450
Total - Drainage	\$1,105,994	\$765,450	\$1,871,444	-\$97,300	\$1,774,144	\$0	\$1,774,144
Construction							
Personnel	\$758,668		\$758,668		\$758,668		\$758,668

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Supplies & Expenses	147,600	8,800	156,400	12,000	\$168,400		168,400
Other Services & Charges	92,932		92,932		\$92,932		92,932
Capital Outlays	0		0		\$0		0
Total - Construction	\$999,200	\$8,800	\$1,008,000	\$12,000	\$1,020,000	\$0	\$1,020,000
Sanitation							
Personnel	\$1,497,491		1,497,491		\$1,497,491		\$1,497,491
Supplies & Expenses	291,696		291,696	5,000	\$296,696	-3,800	292,896
Other Services & Charges	941,950	100,000	1,041,950	5,000	\$1,046,950	3,800	1,050,750
Capital Outlays	0		0	20,000	\$20,000		20,000
Total - Sanitation	\$2,731,137	\$100,000	\$2,831,137	\$30,000	\$2,861,137	\$0	\$2,861,137
Street Cleaning							
Personnel	\$86,154		\$86,154		\$86,154		\$86,154
Supplies & Expenses	19,200		19,200		\$19,200		19,200
Other Services & Charges	2,600		2,600		\$2,600		2,600
Capital Outlays	0		0		\$0		0
Total - Street Cleaning	\$107,954	\$0	\$107,954	\$0	\$107,954	\$0	\$107,954
Health							
Personnel	\$589,486		\$589,486		\$589,486		\$589,486
Supplies & Expenses	167,550		167,550	-10,000	\$157,550		157,550
Other Services & Charges	8,700		8,700		\$8,700		8,700
Capital Outlays	0		0		\$0		0
Total - Health	\$765,736	\$0	\$765,736	-\$10,000	\$755,736	\$0	\$755,736
Recap - Public Services:							
Personnel	\$6,633,747	\$0	\$6,633,747	-\$25,989	\$6,607,758	\$0	\$6,607,758
Supplies & Expenses	\$1,466,376	8,800	1,475,176	47,000	\$1,522,176	-84,737	1,437,439
Other Services & Charges	\$4,052,463	162,000	4,214,463	-95,000	\$4,119,463	43,800	4,163,263
Capital Outlays	\$779,000	765,450	1,544,450	20,000	\$1,564,450	0	1,564,450
Total - Public Services	\$12,931,586	\$936,250	\$13,867,836	-\$53,989	\$13,813,847	-\$40,937	\$13,772,910
Animal Control							
Personnel	\$157,074		\$157,074		\$157,074		\$157,074

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Supplies & Expenses	15,400		15,400		\$15,400		15,400
Other Services & Charges	126,685	30,000	156,685		\$156,685		156,685
Capital Outlays	0		0		\$0		0
Total - Animal Control	\$299,159	\$30,000	\$329,159	\$0	\$329,159	\$0	\$329,159
Human/Social Assist.							
Personnel			\$0		\$0		\$0
Supplies & Expenses			0		\$0		0
Other Services & Charges	239,880		239,880		\$239,880		239,880
Capital Outlays			0		\$0		0
Total - Human/Social Assist.	\$239,880	\$0	\$239,880	\$0	\$239,880	\$0	\$239,880
Economic Dev.							
Personnel			\$0		\$0		\$0
Supplies & Expenses			0		\$0		0
Other Services & Charges	305,000		305,000		\$305,000		305,000
Capital Outlays			0		\$0		0
Total - Economic Dev.	\$305,000	\$0	\$305,000	\$0	\$305,000		\$305,000
Debt Service							
Principal	\$2,633,444		\$2,633,444		\$2,633,444		\$2,633,444
Interest	487,225		\$487,225		\$487,225		\$487,225
Paying Agent Fee	3,000		\$3,000		\$3,000		\$3,000
Total Debt Service	\$3,123,669	\$0	\$3,123,669	\$0	\$3,123,669	\$0	\$3,123,669
Airport							
Personnel	\$82,260		\$82,260		\$82,260		\$82,260
Supplies & Expenses	38,200		38,200		\$38,200		38,200
Other Services & Charges	85,958		85,958		\$85,958	-10,000	75,958
Capital Outlays	0		0		\$0		0
Total - Airport	\$206,418	\$0	\$206,418	\$0	\$206,418	-\$10,000	\$196,418
Cemetery							
Personnel	\$777,558		\$777,558	\$545	\$778,103		\$778,103

CITY OF HATTIESBURG, MS. - GENERAL FUND
Analysis of Revenue and Expenditure Budgets
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	Proposed May Amend'ts	Amended Budgets
Supplies & Expenses	84,950		84,950	8,000	\$92,950		92,950
Other Services & Charges	61,351		61,351		\$61,351		61,351
Capital Outlays	93,000		93,000	-8,000	\$85,000		85,000
Total - Cemetery	\$1,016,859	\$0	\$1,016,859	\$545	\$1,017,404	\$0	\$1,017,404
Parking Garages							
Personnel	\$238,330		\$238,330		\$238,330		\$238,330
Supplies & Expenses	8,850		8,850		\$8,850		8,850
Other Services & Charges	70,350		70,350		\$70,350		70,350
Capital Outlays	0		0		\$0		0
Total - Parking Garages	\$317,530	\$0	\$317,530	\$0	\$317,530	\$0	\$317,530
Transfers to Other Funds	\$3,600,000	-200,000	\$3,400,000		\$3,400,000		\$3,400,000
EXPENDITURES & TRANSFERS	\$56,912,547	\$1,785,064	\$58,697,611	\$23,000	\$58,720,611	\$3,000	\$58,723,611
Recap - General Fund							
Personnel	\$32,668,716	-\$18,469	\$32,650,247	-\$13,462	\$32,636,785	\$0	\$32,636,785
Supplies & Expenses	3,092,922	49,630	3,142,552	77,000	3,219,552	-79,354	3,140,198
Other Services & Charges	12,617,168	204,975	12,822,143	-52,538	12,769,605	82,354	12,851,959
Capital Outlays	1,813,072	1,748,928	3,562,000	12,000	3,574,000	0	3,574,000
Principal Payments	2,633,444	0	2,633,444	0	2,633,444	0	2,633,444
Interest Payments	487,225	0	487,225	0	487,225	0	487,225
Total - Gen. Fund Cost Centers	\$53,312,547	\$1,985,064	\$55,297,611	\$23,000	\$55,320,611	\$3,000	\$55,323,611
Transfers to Other Funds	3,600,000	-200,000	3,400,000	0	3,400,000	0	3,400,000
Total - Expenditures & Transfers	\$56,912,547	\$1,785,064	\$58,697,611	\$23,000	\$58,720,611	\$3,000	\$58,723,611
Ending Cash Budget	\$3,022,167	-\$841,755	\$2,180,412	\$0	\$2,180,412	\$0	\$2,180,412

CITY OF HATTIESBURG, MS
 Analysis of Expenditure Budgets - Funds Other Than General
 Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Parks & Recreation (Fund #2):							
Recreation Maint. Cost Center							
Personnel	\$1,368,895		\$1,368,895	-\$48,841	\$1,320,054		\$1,320,054
Supplies & Expenses	424,214		424,214		\$424,214		424,214
Other Services & Charges	617,862		617,862		\$617,862		617,862
Capital Outlays	572,500		572,500		\$572,500		572,500
Total - Recreation Maint.	\$2,983,471	\$0	\$2,983,471	-\$48,841	\$2,934,630	\$0	\$2,934,630
Recreation Admin.							
Personnel	\$490,803		\$490,803	\$16,884	\$507,687		\$507,687
Supplies & Expenses	97,987		97,987		\$97,987		97,987
Other Services & Charges	468,402		468,402		\$468,402		468,402
Capital Outlays	0		0		\$0		0
Total - Recreation Admin.	\$1,057,192	\$0	\$1,057,192	\$16,884	\$1,074,076	\$0	\$1,074,076
Kamper Park Zoo							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays	0		0		\$0		0
Total - Kamper Park	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Recap - Parks & Recreation Fund:							
Personnel	\$1,859,698	\$0	\$1,859,698	-\$31,957	\$1,827,741	\$0	\$1,827,741
Supplies & Expenses	522,201	0	522,201	0	\$522,201	0	\$522,201
Other Services & Charges	1,086,264	0	1,086,264	0	\$1,086,264	0	\$1,086,264
Capital Outlays	572,500	0	572,500	0	\$572,500	0	\$572,500
Total - Recreation Maint.	\$4,040,663	\$0	\$4,040,663	-\$31,957	\$4,008,706	\$0	\$4,008,706
Municipal Fire Protection (Fund #5):							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	69,742		69,742		\$69,742	45,000	114,742
Other Services & Charges	24,675		24,675		\$24,675		24,675

CITY OF HATTIESBURG, MS
 Analysis of Expenditure Budgets - Funds Other Than General
 Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Capital Outlays	819,890	11,500	831,390		\$831,390	-45,000	786,390
Principal Payments	403,395		403,395		\$403,395		403,395
Interest Payments	8,390		8,390		\$8,390		8,390
Total - Municipal Fire Prot. Fund	\$1,326,092	\$11,500	\$1,337,592	\$0	\$1,337,592	\$0	\$1,337,592
Special Streets (Fund #8):							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		\$0
Other Services & Charges	75,500		75,500		\$75,500		75,500
Capital Outlays	0		0		\$0		0
Total - Special Streets	\$75,500	\$0	\$75,500	\$0	\$75,500	\$0	\$75,500
Water & Sewer Operation & Maint. (Fund #9):							
Customer Accounts Cost Center							
Personnel	\$474,215	\$1,605	\$475,820		\$475,820		\$475,820
Supplies & Expenses	37,596		37,596		\$37,596		37,596
Other Services & Charges	146,800		146,800		\$146,800	135,000	281,800
Capital Outlays	0		0		\$0		0
Total - Customer Accounts	\$658,611	\$1,605	\$660,216	\$0	\$660,216	\$135,000	\$795,216
Water Transmission Cost Center							
Personnel	\$835,797		\$835,797		\$835,797		\$835,797
Supplies & Expenses	226,500		226,500		\$226,500		226,500
Other Services & Charges	1,052,515		1,052,515		\$1,052,515		1,052,515
Capital Outlays	0		0		\$0		0
Total - Water Trans.	\$2,114,812	\$0	\$2,114,812	\$0	\$2,114,812	\$0	\$2,114,812
Plant Cost Center							
Personnel	\$668,650		\$668,650		\$668,650		\$668,650
Supplies & Expenses	157,900		157,900		\$157,900		157,900
Other Services & Charges	1,181,654	50,000	1,231,654	-25,000	\$1,206,654		1,206,654
Capital Outlays	20,000	57,000	77,000		\$77,000		77,000
Total - Plant	\$2,028,204	\$107,000	\$2,135,204	-\$25,000	\$2,110,204	\$0	\$2,110,204

CITY OF HATTIESBURG, MS
 Analysis of Expenditure Budgets - Funds Other Than General
 Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Sewer Cost Center							
Personnel	\$694,422		\$694,422		\$694,422		\$694,422
Supplies & Expenses	298,600	40,000	338,600	-25,000	\$313,600		313,600
Other Services & Charges	1,340,957		1,340,957	500,000	\$1,840,957		1,840,957
Capital Outlays	15,000		15,000	200,000	\$215,000		215,000
Total - Sewer	\$2,348,979	\$40,000	\$2,388,979	\$675,000	\$3,063,979	\$0	\$3,063,979
Lagoon Cost Center							
Personnel	\$271,159		\$271,159		\$271,159		\$271,159
Supplies & Expenses	374,100		374,100		\$374,100		374,100
Other Services & Charges	2,676,268		2,676,268		\$2,676,268		2,676,268
Capital Outlays	10,000		10,000		\$10,000		10,000
Principal Payments	0		0		\$0		0
Interest Payments	0		0		\$0		0
Total - Lagoon Cost Center	\$3,331,527	\$0	\$3,331,527	\$0	\$3,331,527	\$0	\$3,331,527
Recap: Water & Sewer O & M Fund:							
Personnel	\$2,944,243	\$1,605	\$2,945,848	\$0	\$2,945,848	\$0	\$2,945,848
Supplies & Expenses	1,094,696	40,000	1,134,696	-25,000	\$1,109,696	0	\$1,109,696
Other Services & Charges	6,398,194	50,000	6,448,194	475,000	\$6,923,194	135,000	\$7,058,194
Capital Outlays	45,000	57,000	102,000	200,000	\$302,000	0	\$302,000
Principal Payments	0	0	0	0	\$0	0	\$0
Interest Payments	0	0	0	0	\$0	0	\$0
Total - Water & Sewer O & M Fund	\$10,482,133	\$148,605	\$10,630,738	\$650,000	\$11,280,738	\$135,000	\$11,415,738
Water & Sewer Bond & Int. (Fund #10):							
Principal Payments	\$5,041,000		\$5,041,000		\$5,041,000		\$5,041,000
Interest Payments	\$2,473,448		\$2,473,448		\$2,473,448		\$2,473,448
Paying Agent Fees	\$15,000		\$15,000		\$15,000		\$15,000
Total - W & S Bond & Int. Fund	\$7,529,448	\$0	\$7,529,448	\$0	\$7,529,448	\$0	\$7,529,448
Water & Sewer Revenue (Fund #11):							
Principal Payments	\$96,000		\$96,000		\$96,000		\$96,000
Interest Payments	3,467		3,467		\$3,467		3,467

CITY OF HATTIESBURG, MS
 Analysis of Expenditure Budgets - Funds Other Than General
 Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Other services & charges	37,700		37,700	50,000	\$87,700		87,700
Transfers to other funds	21,550,133		21,550,133	100,000	\$21,650,133		21,550,133
Total - W & S Revenue Fund	\$21,687,300	\$0	\$21,687,300	\$150,000	\$21,837,300	\$0	\$21,737,300

1999 Tax Increment (Walmart) Bond & Int (Fund #12):

Principal Payments	\$0		\$0		\$0		\$0
Interest Payments	0		0		\$0		\$0
Transfers	0	6,895	6,895		\$6,895		\$6,895
Paying Agent Fees	0		0		\$0		\$0
Total - 1999 TIF Bond & Int Fund	\$0	\$6,895	\$6,895	\$0	\$6,895	\$0	\$6,895

City Bond & Interest (Fund #13):

Principal Payments	\$1,700,000		\$1,700,000		\$1,700,000		\$1,700,000
Interest Payments	223,350		223,350		\$223,350		\$223,350
Other Services & Charges	33,000		33,000		\$33,000		\$33,000
Paying Agent Fees	12,000		12,000		\$12,000		\$12,000
Total - 1999 TIF Bond & Int Fund	\$1,968,350	\$0	\$1,968,350	\$0	\$1,968,350	\$0	\$1,968,350

USA Yeast Bond & Interest (Fund #15):

Principal Payments	\$0		\$0		\$0		\$0
Interest Payments	0		0		\$0		0
Transfers Out	0	22	22		\$22		22
other services & charges	0		0		\$0		0
Total - 1999 TIF Bond & Int Fund	\$0	\$22	\$22	\$0	\$22	\$0	\$22

Police Fines & Forfeitures (Fund #19):

Personnel	\$0		\$0		\$0		0
Supplies & Expenses	41,441		41,441		\$41,441	15,734	57,175
Other Services & Charges	6,600	10,000	16,600		\$16,600	26,930	43,530
Capital Outlays	258,917		258,917		\$258,917	35,000	293,917
Transfers	0		0		\$0		0
Total - Fines & Forf. Fund	\$306,958	\$10,000	\$316,958	\$0	\$316,958	\$77,664	\$394,622

CITY OF HATTIESBURG, MS

Analysis of Expenditure Budgets - Funds Other Than General

Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Series 2002 TIF Bond & Int (Southern Pointe, Fund #20):							
Principal Payments	\$140,000		\$140,000		\$140,000		140,000
Interest Payments	104,033		104,033		\$104,033		104,033
other services & charges	2,000		2,000		\$2,000		2,000
Total - 1999 TIF Bond & Int Fund	\$246,033	\$0	\$246,033	\$0	\$246,033	\$0	\$246,033

Series 2004 TIF Bond & Int (Home Depot, Fund #21):

Principal Payments	\$0		\$0		\$0		\$0
Interest Payments	0		0		\$0		0
Transfers	0	67,570	67,570		\$67,570		67,570
other services & charges	0		0		\$0		0
Total - 2004 TIF Bond & Int Fund	\$0	\$67,570	\$67,570	\$0	\$67,570	\$0	\$67,570

Series 2003 TIF Bond & Int (Chauvet Sq., Fund #22):

Principal Payments	\$120,000		\$120,000		\$120,000		120,000
Interest Payments	71,688		71,688		\$71,688		71,688
other services & charges	2,000		2,000		\$2,000		2,000
Transfers to other Funds	0		0		\$0		0
Total - 2003 TIF Bond & Int Fund	\$193,688	\$0	\$193,688	\$0	\$193,688	\$0	\$193,688

Series 2007 TIFBond & Int (Turtle Creek Fund 23):

Principal Payments	375,000		375,000		\$375,000		375,000
Interest Payments	76,441		76,441		\$76,441		76,441
Other Services & Charges	3,500		3,500		\$3,500		3,500
Total - 2007 TIF Bond & Int Fund	\$454,941	\$0	\$454,941	\$0	\$454,941	\$0	\$454,941

Series 2008 TIF Bond & Int (Lincoln Center Fund 24):

Principal Payments	\$45,000		45,000		\$45,000		45,000
Interest Payments	\$11,600		11,600		\$11,600		11,600
Other Services & Charges	\$1,000		1,000		\$1,000		1,000
Total - 2008 TIF Bond & Int Fund	\$57,600	\$0	\$57,600	\$0	\$57,600	\$0	\$57,600

Series 2011 TIF Bond & Int (Turtle Creek Commons/Kohl's Fund 25):

CITY OF HATTIESBURG, MS
Analysis of Expenditure Budgets - Funds Other Than General
Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Principal Payments	\$75,000		75,000		\$75,000		75,000
Interest Payments	\$16,000		16,000		\$16,000		16,000
Other Services & Charges	\$2,000		2,000		\$2,000		2,000
Total - 2008 TIF Bond & Int Fund	\$93,000	\$0	\$93,000	\$0	\$93,000	\$0	\$93,000

Series 22016 TIF Bond & Int (Whispering Pines Fund 26):

Principal Payments	\$156,000		156,000		\$156,000		156,000
Interest Payments	\$123,863		123,863		\$123,863		123,863
Other Services & Charges	\$1,300		1,300		\$1,300		1,300
Total - 2008 TIF Bond & Int Fund	\$281,163	\$0	\$281,163	\$0	\$281,163	\$0	\$281,163

Series 2016 TIF Bond & Int (Hburg Clinic Midtown Fund 28):

Principal Payments	\$44,000		44,000		\$44,000		44,000
Interest Payments	\$32,045		32,045		\$32,045		32,045
Other Services & Charges			0		\$0		0
Total - 2008 TIF Bond & Int Fund	\$76,045	\$0	\$76,045	\$0	\$76,045	\$0	\$76,045

Airport Imp. (Fund #39):

Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays	1,016,850	342,378	1,359,228		\$1,359,228		1,359,228
Total - Airport Imp. Fund	\$1,016,850	\$342,378	\$1,359,228	\$0	\$1,359,228	\$0	\$1,359,228

Series 2015A TIF Bond & Int (The Ridge at Turtle Creek)
(Fund #50)

Principal Payments	57000		57,000		57,000		57,000
Interest Payments	62508		62,508	28,260	90,768		90,768
Paying Agent Fees	2000		2,000		2,000		2,000
Other Services & Charges	0		0		0		0
Total - 2007 G.O.Refunding	\$ 121,508	\$ -	\$ 121,508	\$ 28,260	\$ 149,768	\$ -	\$ 149,768

Series 2015B TIF Bond & Int (Midtown Market)
(Fund #51)

CITY OF HATTIESBURG, MS
 Analysis of Expenditure Budgets - Funds Other Than General
 Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Principal Payments	10000		10,000		10,000		10,000
Interest Payments	10450		10,450	4,845	15,295		15,295
Paying Agent Fees	2000		2,000		2,000		2,000
Other Services & Charges			0		0		0
Total - 2007 G.O.Refunding	\$ 22,450	\$ -	\$ 22,450	\$ 4,845	\$ 27,295	\$ -	\$ 27,295

Municipal Road & Bridge (Fund #72):

Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		0		0
Other Services & Charges	1,500,000		1,500,000	60,000	\$1,560,000	50,000	\$1,610,000
Capital Outlays	5,970,624	-404,933	5,565,691	97,878	\$5,663,569	-50,000	\$5,613,569
Principal	0		0		0		0
Interest	0		0		0		0
Total - Municipal Road & Bridge	\$7,470,624	-\$404,933	\$7,065,691	\$157,878	\$7,223,569	\$0	\$7,223,569

Mass Transit (Fund #73):

Personnel	\$765,705	\$42,540	\$808,245	\$46,980	\$855,225		\$855,225
Supplies & Expenses	196,400		196,400		\$196,400		\$196,400
Other Services & Charges	547,932		547,932	28,000	\$575,932		\$575,932
Capital Outlays	2,555,695	239,133	2,794,828		\$2,794,828	320,631	\$3,115,459
Total - Mass Transit Fund	\$4,065,732	\$281,673	\$4,347,405	\$74,980	\$4,422,385	\$320,631	\$4,743,016

Water & Sewer Construction (Fund #75):

Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		0		0
Other Services & Charges	1,500,000		1,500,000		\$1,500,000		1,500,000
Transfers							0
Capital Outlays	3,217,000	350,000	3,567,000		\$3,567,000	400,000	3,967,000
Total - W & S Construction Fund	\$4,717,000	\$350,000	\$5,067,000	\$0	\$5,067,000	\$400,000	\$5,467,000

Community Centers (Fund #77):

Personnel	\$575,980		\$575,980	\$20,159	\$596,139		596,139
Supplies & Expenses	67,050		67,050		\$67,050		67,050
Other Services & Charges	175,010		175,010		\$175,010		175,010

CITY OF HATTIESBURG, MS
 Analysis of Expenditure Budgets - Funds Other Than General
 Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Capital Outlays	124,750		124,750		\$124,750		124,750
Total - Community Centers Fund	\$942,790	\$0	\$942,790	\$20,159	\$962,949	\$0	\$962,949
Community Dev. Block Grant (Fund #82):							
Personnel	\$173,105	\$34,751	\$207,856		\$207,856		207,856
Supplies & Expenses	5,750		5,750		\$5,750		5,750
Other Services & Charges	101,792		101,792		\$101,792		101,792
Capital Outlays	745,761	-163,547	582,214		\$582,214		582,214
Transfers	0		0		\$0		0
Total - CDBG Fund	\$1,026,408	-\$128,796	\$897,612	\$0	\$897,612	\$0	\$897,612
Series 2009 G.O. Bonds - AMR Project (Fund #78)							
Supplies	\$0		0		\$0		0
Other Services & Charges	\$0		0		\$0		0
Transfers Out	\$0		0		\$0		0
Capital Outlay	0		0		\$0		0
Total - Series 2009 G.O. Bonds	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Public Safety/Recreation Construction (Fund #88):							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0	580,891	\$580,891		580,891
Capital Outlays	0	681,413	681,413	-580,891	\$100,522		100,522
Transfers to other Funds	0		0		\$0		0
Total - Series 2002 Const. Fund	\$0	\$681,413	\$681,413	\$0	\$681,413	\$0	\$681,413
MDA Energy Efficiency Capital Projects (Fund 89):							
Personnel	\$0		\$0		\$0		0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays	560,284	45,524	605,808		\$605,808		605,808
Transfers	0		0		\$0		0
Total - Series 2004 Const. Fund	\$560,284	\$45,524	\$605,808	\$0	\$605,808	\$0	\$605,808

CITY OF HATTIESBURG, MS
 Analysis of Expenditure Budgets - Funds Other Than General
 Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Series 2008 G.O. Note (Downtown Lighting)(Fund # 90):							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays			0		\$0		0
Transfers	0		0		\$0		0
Total - Series 2004 Const. Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TIF Construction (Fund # 91):							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays	0		0		\$0		0
Transfers	0	207	207		\$207		207
Total - Series 2004 Const. Fund	\$0	\$207	\$207	\$0	\$207	\$0	\$207
Series 2001 G.O. Bond Construction (Fund # 95):							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays	0		0		\$0		0
Transfers	0	174	174		\$174		174
Total - Series 2001 Const. Fund	\$0	\$174	\$174	\$0	\$174	\$0	\$174
Mississippi Dev. Bank Construction (Fund # 96):							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Transfers			0		\$0		0
Capital Outlays	0		0		\$0		0
Total - MDB Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0

CITY OF HATTIESBURG, MS
 Analysis of Expenditure Budgets - Funds Other Than General
 Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Kamper Park Imp. (Fund #98):							
Personnel	\$0		\$0		\$0		\$0
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays	2,247	1	2,248		\$2,248		2,248
Total - Kamper Park Imp. Fund	\$2,247	\$1	\$2,248	\$0	\$2,248	\$0	\$2,248
Series 2010 Water & Sewer G.O. Constr. (Fund #99):							
Personnel					\$0		
Supplies & Expenses					\$0		
Other Services & Charges			0		\$0		0
Capital Outlay	\$0		0		\$0		0
Transfers out	\$0		0		\$0		\$0
Total - Series 2010 Constr.	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Series 2013 Water & Sewer Revenue Constr. (Fund #105):							
Personnel			0		\$0		0
Supplies & Expenses			0		\$0		0
Other Services & Charges	\$0		0		\$0		0
Capital Outlay	\$400,000	-\$48,834	351,166		\$351,166		351,166
Transfers			0		\$0		0
Total - Series 2013 Constr.	\$400,000	-\$48,834	\$351,166	\$0	\$351,166	\$0	\$351,166
Series 2016 Water & Sewer Taxable Bonds Constr. (Fund #93):							
Personnel			0		\$0		0
Supplies & Expenses			0		\$0		0
Other Services & Charges	\$1,000,000	-\$364,857	635,143		\$635,143		635,143
Capital Outlay	\$23,447,000		23,447,000		\$23,447,000		23,447,000
Transfers			0		\$0		0
Total - Series 2016 Constr.	\$24,447,000	-\$364,857	\$24,082,143	\$0	\$24,082,143	\$0	\$24,082,143
Series 2012 Water & Sewer Const. (Fund #94):							
Personnel	\$0		\$0		\$0		\$0

CITY OF HATTIESBURG, MS
 Analysis of Expenditure Budgets - Funds Other Than General
 Fiscal Year Ending September 30, 2018

	Original FY 2018 Budgets	November Amend'ts	Proposed Amended Budgets	April Amend'ts	Amended Budgets	May Amend'ts	Proposed Amended Budgets
Supplies & Expenses	0		0		\$0		0
Other Services & Charges	0		0		\$0		0
Capital Outlays	0		0		\$0		0
Transfers Out	0	61	61		\$61		61
Total - Series 2012 Const.	\$0	\$61	\$61	\$0	\$61	\$0	\$61

GRAND TOTAL - FUNDS OTHER
 THAN THE GENERAL FUND

	\$93,611,807	\$998,603	\$94,610,410	\$1,054,165	\$95,664,575	\$933,295	\$96,497,870
General Fund	\$56,912,547	\$1,785,064	\$58,697,611	\$23,000	\$58,720,611	\$3,000	\$58,723,611
TOTAL EXPENDITURES & TRANSFERS	\$150,524,354	\$2,783,667	\$153,308,021	\$1,077,165	\$154,385,186	\$936,295	\$155,221,481
Less: Interfund Transfers	-25,150,133	125,071	-25,025,062	-100,000	-25,125,062	0	-25,025,062
TOTAL EXPENDITURES	\$125,374,221	\$2,908,738	\$128,282,959	\$977,165	\$129,260,124	\$936,295	\$130,196,419

Recap of City-Wide Expenditure Budgets:

Personnel	\$38,987,447	\$60,427	\$39,047,874	\$21,720	\$39,069,594	\$0	\$39,069,594
Supplies & Expenses	\$5,090,202	\$89,630	\$5,179,832	\$52,000	\$5,231,832	-\$18,620	\$5,213,212
Other Services & Charges	\$25,146,635	-\$99,882	\$25,046,753	\$1,141,353	\$26,188,106	\$294,284	\$26,482,390
Capital Outlays	\$41,549,590	\$2,858,563	\$44,408,153	-\$271,013	\$44,137,140	\$660,631	\$44,797,771
Principal Payments	10,895,839	0	10,895,839	0	10,895,839	0	10,895,839
Interest Payments	3,704,508	0	3,704,508	33,105	3,737,613	0	3,737,613
Total Expenditure Budgets	\$125,374,221	\$2,908,738	\$128,282,959	\$977,165	\$129,260,124	\$936,295	\$130,196,419

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

GENERAL FUND:

REVENUES & BEG. CASH:

Taxes - Other	\$35,000
Licenses & Permits	4,520,900
Inter-governmental Revenues:	
Federal Grants	4,148,091
State Grants	268,299
State-Shared Revenues	22,855,166
County Shared Revenues	0
Charges for Services:	
Public safety	202,000
Streets	1,000
Sanitation	2,195,000
Misc.	0
Fines & Forfeits	1,238,000
Miscellaneous	317,400
Transfers-In	964,465
Non-Revenue Receipts	1,702,412
Total From All Sources	
Other Than taxation	38,447,733
Beginning Cash and	
Investment Balance	5,342,290
Amount to be Raised by Tax Levy	17,114,000
TOTAL FROM ALL SOURCES	\$60,904,023

EXPENDITURES & ENDING CASH:

General Government:	
Personnel	4,719,638
Supplies & Expenses	316,222
Other services & Charges	5,422,403
Capital Outlays	725,250
Total - General Government	11,183,513
Police Dept.:	
Personnel	11,124,082
Supplies & Expenses	712,309
Other services & Charges	506,797
Capital Outlays	1,186,000
Total - Police Dept.	13,529,188
Police & Fire Training:	
Personnel	37,615
Supplies & Expenses	150,732
Other services & Charges	110,695
Capital Outlays	0
Total - Police & Fire Training	299,042
Fire Dept.:	
Personnel	8,048,588
Supplies & Expenses	339,996
Other services & Charges	281,877
Capital Outlays	13,300
Total - Fire Dept.	8,683,761
Land Development Administration:	
Personnel	646,537
Supplies & Expenses	28,100
Other services & Charges	158,700
Capital Outlays	0
Total - Land Dev. Admin.	833,337

Public Safety Contractual Services:	
Personnel	196,800
Other services & Charges	1,296,000
Total - Pub. Safety Cont. Serv.	<u>1,492,800</u>
Public Services:	
Personnel	6,607,758
Supplies & Expenses	1,437,439
Other services & Charges	4,163,263
Capital Outlays	1,564,450
Total - Public Services	<u>13,772,910</u>
Animal Control	
Personnel	157,074
Supplies & Expenses	15,400
Other services & Charges	156,685
Capital Outlays	0
Total - Animal Control	<u>329,159</u>
Human/Social	
Other services & Charges	239,880
Total - Human/Social	<u>239,880</u>
Economic Development	
Personnel	
Supplies & Expenses	
Other services & Charges	305,000
Capital Outlays	0
Total - Eco. Dev.	<u>305,000</u>
Debt Service:	
Prinicipal Payments	2,633,444
Interest Payments	487,225
Paying Agent Fee	3,000
Total - Debt service	<u>3,123,669</u>
Airport	
Personnel	82,260
Supplies & Expenses	38,200
Other services & Charges	75,958
Capital Outlays	0
Total - Airport	<u>196,418</u>
Cemetery	
Personnel	778,103
Supplies & Expenses	92,950
Other services & Charges	61,351
Capital Outlays	85,000
Total - Cemetery	<u>1,017,404</u>
Parking Garages	
Personnel	238,330
Supplies & Expenses	8,850
Other services & Charges	70,350
Capital Outlays	0
Total - Parking Garages	<u>317,530</u>
Operating Transfers Out	<u>3,400,000</u>
Total Expenditures & Transfers	<u>58,723,611</u>
Ending Cash Balance	<u>\$2,180,412</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u>\$60,904,023</u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

PARKS & RECREATION FUND:

REVENUES & BEG. CASH:

Inter-governmental Revenues:	
Federal Grants	\$0
State Grants	0
County Shared Revenues	0
Misc. grants	0
Charges for Services:	
Culture & Recreation	33,660
Miscellaneous	25,700
Transfers-In	2,570,000
Non-Revenue Receipts	0
Total From All Sources	
Other Than taxation	2,629,360
Beginning Cash and	
Investment Balance	658,638
Amount to be Raised by Tax Levy	880,000
TOTAL FROM ALL SOURCES	\$4,167,998

EXPENDITURES & ENDING CASH:

Culture & Recreation:	
Personnel	1,827,741
Supplies & Expenses	522,201
Other services & Charges	1,086,264
Capital Outlays	572,500
Total Expenditures	\$4,008,706
Cash balance at End of Year	159,292
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$4,167,998

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

MUNICIPAL FIRE PROTECTION FUND:

REVENUES & BEG. CASH:

Inter-governmental Revenues:	
State-Shared Revenues	\$257,000
Charges for Services	95,652
Fines & Forfeits	0
Miscellaneous	3,000
Transfers In	0
Non-Revenue Receipts	450,000
Total From All Sources	
Other Than taxation	<u>805,652</u>
Beginning Cash and	
Investment Balance	<u>767,033</u>
TOTAL FROM ALL SOURCES	<u><u>\$1,572,685</u></u>

EXPENDITURES & ENDING CASH:

Public Safety:	
Personnel	\$0
Supplies & Expenses	114,742
Other services & Charges	24,675
Capital Outlays	786,390
Lease Debt Service - Principal	403,395
Lease Debt Service - Interest	<u>8,390</u>
Total Expenditures	<u>\$1,337,592</u>
Cash balance at End of Year	<u>235,093</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u><u>\$1,572,685</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

***SPECIAL STREET
SPECIAL REVENUE FUND:***

REVENUES & BEG. CASH:

Inter-governmental Revenues:

Federal Grants	\$0
State Shared Revenues	60,000
Misc. grants	0
Miscellaneous	500
Non-Revenue Receipts	0
Total From All Sources	<u>60,500</u>
Other Than taxation	<u>60,500</u>
Beginning Cash and Investment Balance	68,062
TOTAL FROM ALL SOURCES	<u><u>\$128,562</u></u>

EXPENDITURES & ENDING CASH:

Public Services:

Supplies & Expenses	0
Other services & Charges	75,500
Capital Outlays	0
Total Expenditures	<u>\$75,500</u>
Cash balance at End of Year	<u>53,062</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u><u>\$128,562</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**WATER & SEWER OPERATION
AND MAINTENANCE FUND:**

REVENUES & BEG. CASH:

Charges for Services	\$25,000
Transfers-In	10,450,000
Miscellaneous	4,200
Non-Revenue Receipts	57,000
Total From All Sources	
Other Than taxation	10,536,200
Beginning Cash and Investment Balance	1,319,283
TOTAL FROM ALL SOURCES	\$11,855,483

EXPENDITURES & ENDING CASH:

Personnel	2,945,848
Supplies & Expenses	1,109,696
Other services & Charges	7,058,194
Capital Outlays	302,000
Lease Debt Service - Principal	0
Lease Debt Service - Interest	0
Total Expenditures	\$11,415,738
Cash balance at End of Year	439,745
TOTAL EXPENDITURES AND ENDING CASH BALANCE	\$11,855,483

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**WATER & SEWER BOND
AND INTEREST FUND:**

REVENUES & BEG. CASH:

Transfers-In	\$8,375,000
Miscellaneous	8,000
Non-Revenue Receipts	
Total Revenues	<u>8,383,000</u>
Beginning Cash Balance	<u>11,216,815</u>
TOTAL FROM ALL SOURCES	<u><u>\$19,599,815</u></u>

EXPENDITURES & ENDING CASH:

Bonds Redeemed	5,041,000
Interest on Bonds	2,473,448
Paying Agent Fees	<u>15,000</u>
Total Expenditures	<u>7,529,448</u>
Cash balance at End of Year	<u>12,070,367</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u><u>\$19,599,815</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

WATER & SEWER ENTERPRISE FUND:

REVENUES & BEG. CASH:

Charges for Services:	
Licenses, Permits & Fees	\$4,000
Miscellaneous	3,500
Metered Water Sales	10,757,200
Taps	150,000
Water Turn-On Fees	50,000
Sewer Connections	40,000
Sewer Charges	10,832,600
Total Revenues	<u>21,837,300</u>
Beginning Fund Balance	<u>0</u>
TOTAL FROM ALL SOURCES	<u>\$21,837,300</u>

EXPENDITURES & ENDING CASH:

Other Services & Charges	87,700
Principal Redeemed - Notes	96,000
Interest on Notes	3,467
Operating Transfers Out	21,650,133
Total Expenditures	<u>\$21,837,300</u>
Cash balance at End of Year	<u>\$0</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u>\$21,837,300</u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**1999 TAX INCREMENT BOND & INTEREST
FUND (DEBT SERVICE FUND):**

REVENUES & BEG. CASH:

Interest	\$0
County-Shared Revenues	0
Total From All Sources	
Other Than taxation	0
Beginning Cash and Investment Balance	6,895
Amount to be Raised by Tax Levy	0
TOTAL FROM ALL SOURCES	\$6,895

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	0
Interest on Bonds	0
Paying Agent Fees	0
Transfers Out	6,895
Other Services & Charges	0
Total Expenditures	\$6,895
Cash balance at End of Year	0
TOTAL EXPENDITURES AND ENDING CASH BALANCE	\$6,895

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**CITY BOND & INTEREST
FUND (DEBT SERVICE FUND):**

REVENUES & BEG. CASH:

County-Shared Revenues	\$0
Interest	7,000
Non-Revenue receipts	214,100
Transfers-In	125,120
Total From All Sources	
Other Than taxation	346,220
Beginning Cash and	
Investment Balance	5,005,836
Amount to be Raised by Tax Levy	2,540,000
TOTAL FROM ALL SOURCES	\$7,892,056

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	1,700,000
Interest on Bonds	223,350
Other Services & Charges	33,000
Paying Agent Fees	12,000
Total Expenditures	\$1,968,350
Cash balance at End of Year	5,923,706
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$7,892,056

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

*Water & Sewer Bond & Interest
Fund (USA Yeast Project):*

REVENUES & BEG. CASH:

Interest	\$0
Transfer from Other Funds	0
Total From All Sources	
Other Than taxation	0
Beginning Cash and Investment Balance	22
TOTAL FROM ALL SOURCES	\$22

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	\$0
Interest on Bonds	0
Transfers Out	22
Other Services & Charges	0
Total Expenditures	\$22
Cash balance at End of Year	0
TOTAL EXPENDITURES AND ENDING CASH BALANCE	\$22

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

FINES & FORFEITURES FUND:

REVENUES & BEG. CASH:

State grants	
Charges for Services	1,800
Fines & Forfeits	75,742
Miscellaneous	122
Non-Revenue Receipts	0
Total From All Sources	
Other Than taxation	77,664
Beginning Cash and	
Investment Balance	354,826
TOTAL FROM ALL SOURCES	\$432,490

EXPENDITURES & ENDING CASH:

Public Safety:	
Personnel	0
Supplies & Expenses	57,175
Other services & Charges	43,530
Capital Outlays	293,917
Transfers Out	0
Total Expenditures	\$394,622
Cash balance at End of Year	37,868
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$432,490

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2002 TIF BOND & INTEREST
FUND (Southern Pointe Project):

REVENUES & BEG. CASH:

Interest	\$0
Transfers In	\$0
County-Shared Revenues	133,704
Total From All Sources	<u>133,704</u>
Other Than taxation	133,704
Beginning Cash and	
Investment Balance	259,504
Amount to be Raised by Tax Levy	133,704
TOTAL FROM ALL SOURCES	<u><u>\$526,912</u></u>

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	140,000
Interest on Bonds	104,033
Other Services & Charges	2,000
Total Expenditures	<u>\$246,033</u>
Cash balance at End of Year	<u>280,879</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u><u>\$526,912</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2004 TIF BOND & INTEREST
FUND (Home Depot Project):

REVENUES & BEG. CASH:

Interest	\$0
County-Shared Revenues	0
Transfer From Other Funds	0
Total From All Sources	0
Other Than taxation	0
Beginning Cash and Investment Balance	67,570
Amount to be Raised by Tax Levy	0
TOTAL FROM ALL SOURCES	\$67,570

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	0
Interest on Bonds	0
Transfers Out	67,570
Other Services & Charges	0
Total Expenditures	\$67,570
Cash balance at End of Year	0
TOTAL EXPENDITURES AND ENDING CASH BALANCE	\$67,570

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2003 TIF BOND & INTEREST
FUND (Chauvet Square Project):

REVENUES & BEG. CASH:

Interest	\$0
Transfer From Other Funds	0
Total From All Sources	
Other Than taxation	0
Beginning Cash and	
Investment Balance	194,568
Amount to be Raised by Tax Levy	282,127
TOTAL FROM ALL SOURCES	\$476,695

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	120,000
Interest on Bonds	71,688
Other Services & Charges	2,000
Transfers to Other Funds	0
Total Expenditures	\$193,688
Cash balance at End of Year	283,007
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$476,695

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

SERIES 2007 TIF BOND & INTEREST
FUND (Turtle Creek):

REVENUES & BEG. CASH:

Interest	\$50
County Shared Revenue	\$112,860
Transfer From Other Funds	
Total From All Sources	
Other Than taxation	112,910
Beginning Cash and	
Investment Balance	72,081
Amount to be Raised by Tax Levy	343,109
TOTAL FROM ALL SOURCES	\$528,100

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	375,000
Interest on Bonds	76,441
Other Services & Charges	3,500
Total Expenditures	\$454,941
Cash balance at End of Year	73,159
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$528,100

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

2008 TIF BOND AND INTEREST FUND
FUND (Lincoln Center):

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$0
Transfer From Other Funds	0
Total From All Sources	<u>0</u>
Other Than taxation	<u>0</u>
Beginning Cash and	
Investment Balance	122,564
Amount to be Raised by Tax Levy	0
TOTAL FROM ALL SOURCES	<u>\$122,564</u>

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	45,000
Interest on Bonds	11,600
Other Services & Charges	1,000
Total Expenditures	<u>\$57,600</u>
Cash balance at End of Year	<u>64,964</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u>\$122,564</u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

2011 TIF BOND AND INTEREST FUND
FUND (Turtle Creek Crossing/Kohl's):

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$31,850
Transfer From Other Funds	
Total From All Sources	
Other Than taxation	31,850
Beginning Cash and	
Investment Balance	15,698
Amount to be Raised by Tax Levy	64,530
TOTAL FROM ALL SOURCES	\$112,078

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	75,000
Interest on Bonds	16,000
Other Services & Charges	2,000
Total Expenditures	\$93,000
Cash balance at End of Year	19,078
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$112,078

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**2016 TIF BOND AND INTEREST
FUND (Whispering Pines):**

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$183,260
Transfer From Other Funds	0
Total From All Sources	
Other Than taxation	183,260
Beginning Cash and	
Investment Balance	195,864
Amount to be Raised by Tax Levy	152,575
TOTAL FROM ALL SOURCES	\$531,699

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	156,000
Interest on Bonds	123,863
Other Services & Charges	1,300
Total Expenditures	\$281,163
Cash balance at End of Year	250,536
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$531,699

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

2016 TIF BOND AND INTEREST FUND
FUND (Hattiesburg Clinic Midtown):

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$38,023
Transfer From Other Funds	0
Total From All Sources	<u>38,023</u>
Other Than taxation	<u>38,023</u>
Beginning Cash and	
Investment Balance	89,948
Amount to be Raised by Tax Levy	38,023
TOTAL FROM ALL SOURCES	<u><u>\$165,994</u></u>

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	44,000
Interest on Bonds	32,045
Other Services & Charges	0
Total Expenditures	<u>\$76,045</u>
Cash balance at End of Year	<u>89,949</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u><u>\$165,994</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**AIRPORT IMPROVEMENT
SPECIAL REVENUE FUND:**

REVENUES & BEG. CASH:

Federal Grants	\$1,834,761
State Shared Revenues	99,671
Miscellaneous	0
Transfers In	0
Non-Revenue Receipts	0
Total From All Sources	
Other Than taxation	1,934,432
Beginning Cash and	
Investment Balance	(575,204)
TOTAL FROM ALL SOURCES	\$1,359,228

EXPENDITURES & ENDING CASH:

Public Services:	
Other services & Charges	0
Capital Outlays	1,359,228
Total Expenditures	\$1,359,228
Cash balance at End of Year	0
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$1,359,228

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

2015A TIF BOND AND INTEREST FUND
FUND (The Ridge at Turtle Creek):

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$29,877
Transfer From Other Funds	0
Total From All Sources	
Other Than taxation	29,877
Beginning Cash and	
Investment Balance	101,182
Amount to be Raised by Tax Levy	117,891
TOTAL FROM ALL SOURCES	\$248,950

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	57,000
Interest on Bonds	90,768
Other Services & Charges	2,000
Total Expenditures	\$149,768
Cash balance at End of Year	99,182
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$248,950

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

2015B TIF BOND AND INTEREST FUND
FUND (Midtown Market):

REVENUES & BEG. CASH:

Interest	\$0
County Shared Revenue	\$11,500
Transfer From Other Funds	0
Total From All Sources	<u>11,500</u>
Other Than taxation	<u>11,500</u>
Beginning Cash and	
Investment Balance	9,933
Amount to be Raised by Tax Levy	16,345
TOTAL FROM ALL SOURCES	<u><u>\$37,778</u></u>

EXPENDITURES & ENDING CASH:

General Issues:	
Bonds Redeemed	10,000
Interest on Bonds	15,295
Other Services & Charges	2,000
Total Expenditures	<u>\$27,295</u>
Cash balance at End of Year	<u>10,483</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u><u>\$37,778</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**MUNICIPAL ROAD & BRIDGE
SPECIAL REVENUE FUND:**

REVENUES & BEG. CASH:

Inter-governmental Revenues:

State Grants	\$2,820,767
Federal Grants	450,000
County Shared Revenues	1,800,000
Miscellaneous	1,058,000
Non-Revenue Receipts	0

Total From All Sources

Other Than taxation	6,128,767
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Beginning Cash and

Investment Balance	1,242,932
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TOTAL FROM ALL SOURCES

\$7,371,699

EXPENDITURES & ENDING CASH:

Public Services:

Supplies & Expenses	0
Other services & Charges	1,610,000
Capital Outlays	5,613,569
Principal Payments	0
Interest Payments	0

Total Expenditures

\$7,223,569

Cash balance at End of Year

148,130

TOTAL EXPENDITURES AND

ENDING CASH BALANCE

\$7,371,699

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal year Ending September 30, 2018

**MASS TRANSIT OPERATING
SPECIAL REVENUE FUND:**

REVENUES & BEG. CASH:

Inter-governmental Revenues:

Federal Grants	\$3,852,551
State Grants	\$0
Miscellaneous	45,700
Transfers-In	230,000
Non-Revenue Reciepts	360,000
Total From All Sources	
Other Than taxation	4,488,251
Beginning Cash and	
Investment Balance	152,221
Amount to be Raised by Tax Levy	219,000
TOTAL FROM ALL SOURCES	\$4,859,472

EXPENDITURES & ENDING CASH:

Personnel	855,225
Supplies & Expenses	196,400
Other services & Charges	575,932
Capital Outlays	3,115,459
Total Expenditures	\$4,743,016
Cash balance at End of Year	116,456
TOTAL EXPENDITURES AND ENDING CASH BALANCE	\$4,859,472

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal year Ending September 30, 2018

WATER & SEWER CONSTRUCTION FUND:

REVENUES & BEG. CASH:

Inter-governmental Revenues:

Federal Grants	\$500,000
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Miscellaneous	269,000
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Transfers-In	2,225,133
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Non-Revenue Receipts	0
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Total From All Sources	
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Other Than taxation	2,994,133
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Beginning Cash and	
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Investment Balance	2,701,269
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TOTAL FROM ALL SOURCES	\$5,695,402
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EXPENDITURES & ENDING CASH:

Other services & Charges	\$1,500,000
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Capital Outlays	3,967,000
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Transfers	0
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Total Expenditures	5,467,000
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Cash balance at End of Year	228,402
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TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$5,695,402

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**COMMUNITY CENTERS
SPECIAL REVENUE FUND:**

REVENUES & BEG. CASH:

Charges for services:	
Culture & Recreation	\$13,700
Miscellaneous	600
Transfers-In	600,000
Non-Revenue Receipts	500
Total From All Sources	
Other Than taxation	614,800
Beginning Cash and	
Investment Balance	698,039
TOTAL FROM ALL SOURCES	\$1,312,839

EXPENDITURES & ENDING CASH:

Personnel	596,139
Supplies & Expenses	67,050
Other services & Charges	175,010
Capital Outlays	124,750
Total Expenditures	\$962,949
Cash balance at End of Year	349,890
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	\$1,312,839

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

***Public Safety Complex/Recreation
Construction Fund:***

REVENUES & BEG. CASH:

Proceeds from Bond Issue	0
Interest Earnings	
Total Revenues	<u>0</u>
Beginning Cash and	
Investment Balance	<u>681,413</u>
TOTAL FROM ALL SOURCES	<u><u>\$681,413</u></u>

EXPENDITURES & ENDING CASH:

Other services & Charges	580,891
Capital Outlays	100,522
Transfers to Other Funds	<u>0</u>
Total Expenditures	<u>\$681,413</u>
Cash balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u><u>\$681,413</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**MDA Energy Efficiency Capital Projects
Fund:**

REVENUES & BEG. CASH:

Proceeds from Bond Issue	\$0
Interest Earnings	0
Total Revenues	<u>0</u>
Beginning Cash and Investment Balance	<u>605,808</u>
TOTAL FROM ALL SOURCES	<u><u>\$605,808</u></u>

EXPENDITURES & ENDING CASH:

Other services & Charges	0
Capital Outlays	605,808
Transfers to Other Funds	<u>0</u>
Total Expenditures	<u>\$605,808</u>
Cash Balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u><u>\$605,808</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

TIF Construction Fund:

REVENUES & BEG. CASH:

Proceeds from Bond Issue	\$0
Interest Earnings	
Total Revenues	<u>0</u>
Beginning Cash and	
Investment Balance	<u>207</u>
TOTAL FROM ALL SOURCES	<u>\$207</u>

EXPENDITURES & ENDING CASH:

Other services & Charges	0
Capital Outlays	0
Transfers to Other Funds	<u>207</u>
Total Expenditures	<u>\$207</u>
Cash Balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND	
ENDING CASH BALANCE	<u>\$207</u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**SERIES 2016 WATER & SEWER REVENUE BOND
CONSTRUCTION FUND:**

REVENUES & BEG. CASH:

Interest Earnings	0
Proceeds from Revenue Bond Issue	\$0
Total Revenues	0
Beginning Cash and Investment Balance	24,082,143
TOTAL FROM ALL SOURCES	\$24,082,143

EXPENDITURES & ENDING CASH:

Other services & Charges	635,143
Capital Outlays	23,447,000
Transfers Out	
Total Expenditures	\$24,082,143
Cash balance at End of Year	0
TOTAL EXPENDITURES AND ENDING CASH BALANCE	\$24,082,143

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**SERIES 2012 WATER & SEWER REVENUE BOND
CONSTRUCTION FUND:**

REVENUES & BEG. CASH:

Interest Earnings	0
Proceeds from Revenue Bond Issue	
Total Revenues	<u>0</u>
Beginning Cash and Investment Balance	<u>61</u>
TOTAL FROM ALL SOURCES	<u><u>\$61</u></u>

EXPENDITURES & ENDING CASH:

Other services & Charges	
Capital Outlays	0
Transfers Out	<u>61</u>
Total Expenditures	<u>\$61</u>
Cash balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u><u>\$61</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**SERIES 2001 BOND
CONSTRUCTION FUND:**

REVENUES & BEG. CASH:

Interest Earnings	\$0
Grant Revenues - State of MS	0
Transfers In	0
Proceeds from General Obligation Bond Issue	0
Total Revenues	<u>0</u>
Beginning Cash and Investment Balance	<u>174</u>
TOTAL FROM ALL SOURCES	<u><u>\$174</u></u>

EXPENDITURES & ENDING CASH:

Other services & Charges	0
Capital Outlays	0
Transfers Out	174
Total Expenditures	<u>\$174</u>
Cash balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u><u>\$174</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**KAMPER PARK ZOO CAPITAL
IMPROVEMENTS FUND:**

REVENUES & BEG. CASH:

State Grants	\$0
Miscellaneous	0
Charges for Services	0
Transfers-In from Other Funds	0
Non-Revenue Receipts	0
Total Revenues	<u>0</u>
Beginning Cash and Investment Balance	<u>2,248</u>
TOTAL FROM ALL SOURCES	<u><u>\$2,248</u></u>

EXPENDITURES & ENDING CASH:

Supplies	0
Other services & Charges	0
Capital Outlays	<u>2,248</u>
Total Expenditures	<u>\$2,248</u>
Cash balance at End of Year	<u>0</u>
TOTAL EXPENDITURES AND ENDING CASH BALANCE	<u><u>\$2,248</u></u>

CITY OF HATTIESBURG, MISSISSIPPI
A MUNICIPALITY
BUDGET OF ESTIMATED REVENUES AND EXPENDITURES
For the Fiscal Year Ending September 30, 2018

**SERIES 2013 WATER & SEWER REVENUE BOND
CONSTRUCTION FUND:**

REVENUES & BEG. CASH:

Interest Earnings	0
Proceeds from Revenue Bond Issue	\$0
Total Revenues	0
Beginning Cash and Investment Balance	351,166
TOTAL FROM ALL SOURCES	\$351,166

EXPENDITURES & ENDING CASH:

Other services & Charges	0
Capital Outlays	351,166
Transfers Out	0
Total Expenditures	\$351,166
Cash balance at End of Year	0
TOTAL EXPENDITURES AND ENDING CASH BALANCE	\$351,166



City of Hattiesburg, MS

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

Master

File Number: 2018-458

File ID: 2018-458

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Andrew Ellard

File Created: 05/14/2018

Brief Title: Deed and Deed of Trust - 543 Miller Street

Final Action: 05/22/2018

Minute Book Number: MB2018-134

Title:

Approve and authorize Mayor to execute a Warranty Deed and Deed of Trust for Gwendolyn Harris, an income eligible HOME program applicant, for the property located at 543 Miller Street according to the Housing Rehabilitation and Housing Programs Manual Section VII (E). {Entitlement}

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-16

Sponsors:

Enactment Date:

Attachments: Property Deed and Deed of Trust - G. Harris 05.15.18, executed Property Deed and Deed of Trust - G. Harris 05.15.18

Enactment Number:

Contact:

Meeting Date: 05/22/2018

Drafter: Kevin Jordan

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	05/21/2018					
1	City Council	05/22/2018	Approve and Authorize				Pass
Action Text: A MOTION was made by Council Member Delgado and seconded by Council Member George to Approve and authorize Mayor to execute a Warranty Deed and Deed of Trust for Gwendolyn Harris, an income eligible HOME program applicant, for the property located at 543 Miller Street according to the Housing Rehabilitation and Housing Programs Manual Section VII (E). {Entitlement}							
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 2018-458

Title

Approve and authorize Mayor to execute a Warranty Deed and Deed of Trust for Gwendolyn Harris, an income eligible HOME program applicant, for the property located at 543 Miller Street according to the Housing Rehabilitation and Housing Programs Manual Section VII (E).
{Entitlement}

Summary

Deed and Deed of Trust - 543 Miller Street

Budget Information

Expenditure Type

Purchasing Item

Publication Information

Prepared by:

Moran M. (Randy) Pope. III
Attorney at Law – City Attorney
110 South 40th Avenue
Hattiesburg, Mississippi 39402
(601) 268-9997

Return to:

Gwendolyn M. Harris
543 Miller Street
Hattiesburg, Mississippi 39401
(601) 307-0607

**RECORD IN: PT 10 BEG SW COR E 50FT N 130FT W 50FT S 130FT TO BEG
BLK B KAMPER JOHN SUB BLK B**

STATE OF MISSISSIPPI
COUNTY OF FORREST

WARRANTY DEED

FOR AND IN CONSIDERATION of the sum of Ten Dollars (\$10.00) cash in hand paid and other good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged the,

CITY OF HATTIESBURG
Post Office Box 1898
Hattiesburg, Mississippi 39403-1898
(601) 545-4501

Grantor, a municipal corporation, do hereby grant, bargain, sell, convey and warrant unto

GWENDOLYN HARRIS
543 Miller Street
Hattiesburg, Mississippi 39401
(601) 307-0607

Grantee, the following described property lying and being situated in Hattiesburg, Forrest County, Mississippi, to-wit:

A part of Lot 10 Block "B" of the **JOHN KAMPER SUBDIVISION** begin at the Southwest corner of Lot 10 Block "B" East 50 Feet, North 130 Feet, West 50 Feet, South 130 Feet, back to the point of beginning, in the City of Hattiesburg, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all appurtenances thereunto belonging.

Said property constitutes no part of the homestead of the grantor.

Any and all outstanding taxes shall be paid by the Grantee

WITNESS MY SIGNATURE on this the _____ day of _____, 2018.

Toby Barker, Mayor
City of Hattiesburg

STATE OF MISSISSIPPI
COUNTY OF FORREST

PERSONALY CAME AND APPEARED BEFORE ME, the undersigned authority, in and for the jurisdiction aforesaid, the within named **Toby Barker, Mayor of the City of Hattiesburg**, personally known to me or proven to me by sufficient identification, who acknowledge that after being duly authorized he in his official capacity signed, executed and delivered the above and foregoing Quitclaim Deed on the day and year therein mentioned for the purpose therein stated.

SWORN TO AND SUBSCRIBED BEFORE me on this the _____ day of _____
2018.

NOTARY PUBLIC

My Commission Expires:

(SEAL)

DEED OF TRUST

Prepared by:

Kevin Jordan
City of Hattiesburg – Community Development
200 Forrest Street
Hattiesburg, Mississippi 39401
(601) 554-1025

Return to:

Kevin Jordan
City of Hattiesburg – Community Development
200 Forrest Street
Hattiesburg, Mississippi 39401
(601) 554-1025

Trustee:

Moran M. (Randy) Pope, III
Attorney at Law
110 South 40th Avenue
Hattiesburg, Mississippi 39402
(601) 268-9997

Grantor/Mortgagor: Gwendolyn M. Harris

543 Miller Street
Hattiesburg, Mississippi 39401
(601) 307-0607

Grantee/Mortgagee: City of Hattiesburg – Community Development

200 Forrest Street
Hattiesburg, Mississippi 39401

Abbreviated Legal Description: PT 10 BEG SW COR E 50FT N 130FT W 50FT S 130FT TO
BEG BLK B



Community Development
Housing Rehabilitation Grant Program (\$25K+)

DEED OF TRUST

THIS DEED OF TRUST, made and entered into this the 23rd day of May 2018, by and between Gwendolyn M. Harris, 543 Miller Street, Hattiesburg, MS , Grant Applicant, of the first part, herein designated as Grantor, Moran M. (Randy) Pope, III, Trustee, of the second part herein designated as Trustee, and **the City of Hattiesburg, Mississippi**, having an office at City Hall 200 Forrest Street, Hattiesburg, Mississippi of the third part, herein designated as the Beneficiary.

GRANTEE is hereby justly indebted unto the Beneficiary in the sum of Fifty-five thousand fourteen dollars and 02/100 (\$55,014.02), bearing interest at the rate of **0% per annum**, after maturity, providing for attorney's fees in case of default, and due and payable **five (5) years** after date, or upon the occurrence of any of the following circumstances, whichever shall first occur:

- A. The sale, transfer or other disposition of the property described herein below, whether voluntary or involuntary; or
- B. The vacation of the premises or abandonment of the property by all of the Grantors.

WHEREAS, GRANTEE has met the City of Hattiesburg's substantial rehabilitation grant affordability period of five (5) years as agreed upon, the grant and this note will automatically cancel without payment on its maturity date; and,

WHEREAS, IN THE EVENT OF TRANSFER of property prior to the five (5) year period the Grantee agrees to repay a percentage of the grant based on a pro rata basis. The repayment will be determined by the length of time the grantee has occupied the property; and,

WHEREAS, Grantor desires to secure the payment of said indebtedness or any renewals thereof, as the same falls due and the faithful performance of all the other terms and conditions hereafter set out.

NOW THEREFORE, in consideration of the above as well as sixteen dollars (\$16.00) cash in hand paid, receipt of which is hereby acknowledged, Grantor does convey and warrant unto **Moran M. (Randy) Pope, III, Trustee**, the following described property in the City of Hattiesburg, Mississippi to wit:

Legal Description:

A part of Lot 10 Block "B" of the JOHN KAMPER SUBDIVISION begin at the Southwest corner of Lot 10 Block "B" East 50 Feet, North 130 Feet, West 50 Feet, South 130 Feet, back to the point of beginning, in the City of Hattiesburg, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all appurtenances thereunto belonging.

THIS CONVEYANCE is made in trust however, to secure the payment of the above mentioned note or any renewals thereof at maturity; and if this note is paid and all of the other items, covenants and conditions contained herein or in the note secured hereby are duly and faithfully observed, then this instrument shall be and become null and void.

IN THE EVENT OF FAILURE of the Grantor to pay said note, or any installment thereof, as the same falls due or to perform faithfully all the other terms, covenants and conditions as hereinafter set out, then the entire unpaid balance of said note and the interest accrued thereon shall immediately become due and payable for all purposes, whether or not due according to the maturity date or dates thereof; and all other indebtedness, the payment of which is secured hereby, shall likewise become due and payable; and at the request of the Beneficiary herein, or of the owner and holder of said note, the Trustee herein or his successor shall sell above described property and all improvements thereon at public auction for cash to the highest and best bidder, during legal hours, at any front door of the County Courthouse of Forrest County, State of Mississippi after giving notice of the time, place and terms of such sale as require by Section 89-1-55, Mississippi Code of 1972 and amendments thereto, if any, and out of the proceeds arising from such sale, the said Trustee, or any successor, shall first pay all the costs and expenses of executing this Deed of Trust, including reasonable fees as therein provided, and the owner and holder of the above described note, the payment of which is secured hereby, and the remainder of such proceeds shall then be paid to the Grantor. At any such sale, the Beneficiary, or the owner or holder of the above-described note, shall have the same right to purchase at said sale as if a stranger to this instrument.

IN THE EVENT the property shall be found to be in violation of any City of Hattiesburg, State of Mississippi, municipal code provision(s) during the five (5) year lien period, and the GRANTOR shall have failed to cure said violation(s) within thirty (30) days after having received written notice of said violation(s), the undersigned shall be deemed to be in default of the terms of Deed of Trust, thereby entitling the City of Hattiesburg to exercise and enforce any rights and remedies provided for in this Deed of Trust or in the Community Development Block Housing Rehabilitation Grant Program, or any combination thereof. This Deed of Trust shall remain a lien against the subject collateral property for so long as the property remains in violation of municipal code provision, notwithstanding any maturity date stated herein to the contrary.

THE GRANTOR WILL continuously maintain hazard insurance on all buildings, other structures and improvements including equipment, now existing or which may hereafter be erected or installed on the above described property of such type or types and in such amount as the Beneficiary may, from time to time, require. Unless otherwise required by the Beneficiary all such insurance shall be affected by Standard Fire and Extended Coverage policies in amounts not less than necessary to comply with the coinsurance clause percentage of the value applicable to the location and character of the property to be covered. All insurance shall be carried in companies approved by the Beneficiary and the policies and renewal thereof shall be held by the Beneficiary and have attached thereto loss payable clauses in favor of an in form acceptable to the Beneficiary. All policies and attachments thereto shall be delivered promptly to the Beneficiary unless they are required to be delivered to the holder of a lien of a deed of trust or similar instrument to which this Deed of Trust is expressly subject, in which latter event, certificates thereof, satisfactory to the Beneficiary, shall be delivered promptly to the Beneficiary. In the event of loss, the Grantor will give immediate notice by mail to the Beneficiary, who may make proof of loss if not made promptly by the Grantor, and each insurance Company concerned is hereby authorized and directed to make payment for such loss directly to the Beneficiary instead of to the Grantor and the Beneficiary jointly, and the insurance proceeds, or any part thereof, may be applied by the Beneficiary at its option either to the reduction of the indebtedness hereby secured or to the restoration or repair of the property damaged. In the vent of foreclosure of this Deed of Trust or other transfer of title to the said premises in extinguishment of the indebtedness secured hereby, all right, title and interest of the Grantor in and to any insurance policies then in force shall pass to the purchaser or grantee.

IN THE EVENT GRANTOR fails to pay all taxes or other liens on said property before the same becomes delinquent or to maintain insurance on the improvements thereon as herein stipulated, then the entire indebtedness secured hereby shall immediately become due and payable for all purposes and the Trustee herein shall, at the request of the Beneficiary, or the owner and holder of said note, proceed to advertise for sale and sell the above described property as provided in the event of default in payment of said note.

THE BENEFICIARY, or any subsequent holder of the note secured hereby is authorized and empowered to appoint and substitute another Trustee in the place of the Trustee named herein, at any time, by writing duly signed and acknowledged and recorded in county thereof wherein the above described property is located and such appointee shall have full power as Trustee herein, together with all of the rights and privileges thereunto belonging. If the holder of the note is a corporation, any officer thereof may select and appoint a substituted Trustee, issue a declaration of default to the Trustee, and request sale by the Trustee hereunder. No one exercise of this power of appointment, owner of sale, or any other power or right given in this deed of trust shall exhaust the right to exercise such power but all rights and powers herein given may be secured by this Deed of Trust until said indebtedness is fully paid and discharged. At any sale made to enforce the trust herein given, the Beneficiary or any person in interest may become the purchaser, and upon payment of the purchase price, the Trustee shall execute a Deed of Conveyance, which conveyance shall vest the title of the Trustee in such purchaser upon payment of the purchase price.

THE INDEBTEDNESS secured by this Deed of Trust may not be assumed by any person, firm or corporation, and the Grantor has acknowledged by separate agreement the particular circumstances under which this loan was made to him and the reasons for the absolute prohibitions against assumption thereof.

IN WITNESS WHEREOF, the Grantor(s) have hereunto set her [his/her/their] hand(s) the day and year hereinabove first written.

Homeowner's Signature

Spouse's Signature, (when applicable)

STATE OF MISSISSIPPI
COUNTY OF FORREST

Personally appeared before me, the undersigned authority in and for the state aforesaid Gwendolyn M. Harris, personally known to me or proven to me by sufficient photo identification, of 543 Miller Street, Hattiesburg, MS, Grant Applicant, who acknowledge before me that she signed and delivered the foregoing instrument on the day and year herein mentioned.

Given under my hand and seal this ____ day of _____, 2018.

My Commission Expires

NOTARY PUBLIC

Prepared by:

Moran M. (Randy) Pope. III
Attorney at Law – City Attorney
110 South 40th Avenue
Hattiesburg, Mississippi 39402
(601) 268-9997

Return to:

Gwendolyn M. Harris
543 Miller Street
Hattiesburg, Mississippi 39401
(601) 307-0607

**RECORD IN: PT 10 BEG SW COR E 50FT N 130FT W 50FT S 130FT TO BEG
BLK B KAMPER JOHN SUB BLK B**

STATE OF MISSISSIPPI

COUNTY OF FORREST

WARRANTY DEED

FOR AND IN CONSIDERATION of the sum of Ten Dollars (\$10.00) cash in hand paid and other good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged the,

CITY OF HATTIESBURG
Post Office Box 1898
Hattiesburg, Mississippi 39403-1898
(601) 545-4501

Grantor, a municipal corporation, do hereby grant, bargain, sell, convey and warrant unto

GWENDOLYN HARRIS
543 Miller Street
Hattiesburg, Mississippi 39401
(601) 307-0607

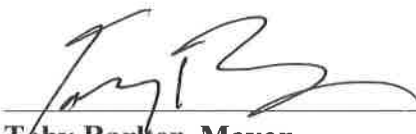
Grantee, the following described property lying and being situated in Hattiesburg, Forrest County, Mississippi, to-wit:

A part of Lot 10 Block "B" of the **JOHN KAMPER SUBDIVISION** begin at the Southwest corner of Lot 10 Block "B" East 50 Feet, North 130 Feet, West 50 Feet, South 130 Feet, back to the point of beginning, in the City of Hattiesburg, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all appurtenances thereunto belonging.

Said property constitutes no part of the homestead of the grantor.

Any and all outstanding taxes shall be paid by the Grantee

WITNESS MY SIGNATURE on this the 22nd day of May, 2018.



Toby Barker, Mayor
City of Hattiesburg

STATE OF MISSISSIPPI
COUNTY OF FORREST

PERSONALY CAME AND APPEARED BEFORE ME, the undersigned authority, in and for the jurisdiction aforesaid, the within named **Toby Barker, Mayor of the City of Hattiesburg**, personally known to me or proven to me by sufficient identification, who acknowledge that after being duly authorized he in his official capacity signed, executed and delivered the above and foregoing Quitclaim Deed on the day and year therein mentioned for the purpose therein stated.

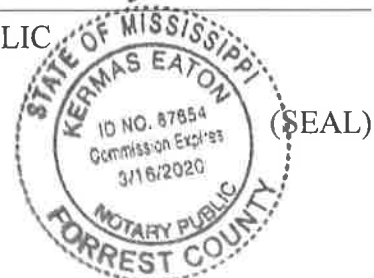
SWORN TO AND SUBSCRIBED BEFORE me on this the 24th day of May 2018.



NOTARY PUBLIC

My Commission Expires:

3/16/2020



DEED OF TRUST

Prepared by:

Kevin Jordan
City of Hattiesburg – Community Development
200 Forrest Street
Hattiesburg, Mississippi 39401
(601) 554-1025

Return to:

Kevin Jordan
City of Hattiesburg – Community Development
200 Forrest Street
Hattiesburg, Mississippi 39401
(601) 554-1025

Trustee:

Moran M. (Randy) Pope, III
Attorney at Law
110 South 40th Avenue
Hattiesburg, Mississippi 39402
(601) 268-9997

Grantor/Mortgagor: Gwendolyn M. Harris
543 Miller Street
Hattiesburg, Mississippi 39401
(601) 307-0607

Grantee/Mortgagee: City of Hattiesburg – Community Development
200 Forrest Street
Hattiesburg, Mississippi 39401

Abbreviated Legal Description: PT 10 BEG SW COR E 50FT N 130FT W 50FT S 130FT TO
BEG BLK B



Community Development
Housing Rehabilitation Grant Program (\$25K+)

DEED OF TRUST

THIS DEED OF TRUST, made and entered into this the 23rd day of May 2018, by and between Gwendolyn M. Harris, 543 Miller Street, Hattiesburg, MS , Grant Applicant, of the first part, herein designated as Grantor, Moran M. (Randy) Pope, III, Trustee, of the second part herein designated as Trustee, and the City of Hattiesburg, Mississippi, having an office at City Hall 200 Forrest Street, Hattiesburg, Mississippi of the third part, herein designated as the Beneficiary.

GRANTEE is hereby justly indebted unto the Beneficiary in the sum of Fifty-five thousand fourteen dollars and 02/100 (\$55,014.02), bearing interest at the rate of **0% per annum**, after maturity, providing for attorney's fees in case of default, and due and payable **five (5) years** after date, or upon the occurrence of any of the following circumstances, whichever shall first occur:

- A. The sale, transfer or other disposition of the property described herein below, whether voluntary or involuntary; or
- B. The vacation of the premises or abandonment of the property by all of the Grantors.

WHEREAS, GRANTEE has met the City of Hattiesburg's substantial rehabilitation grant affordability period of five (5) years as agreed upon, the grant and this note will automatically cancel without payment on its maturity date; and,

WHEREAS, IN THE EVENT OF TRANSFER of property prior to the five (5) year period the Grantee agrees to repay a percentage of the grant based on a pro rata basis. The repayment will be determined by the length of time the grantee has occupied the property; and,

WHEREAS, Grantor desires to secure the payment of said indebtedness or any renewals thereof, as the same falls due and the faithful performance of all the other terms and conditions hereafter set out.

NOW THEREFORE, in consideration of the above as well as sixteen dollars (\$16.00) cash in hand paid, receipt of which is hereby acknowledged, Grantor does convey and warrant unto **Moran M. (Randy) Pope, III, Trustee**, the following described property in the City of Hattiesburg, Mississippi to wit:

Legal Description:

A part of Lot 10 Block "B" of the JOHN KAMPER SUBDIVISION begin at the Southwest corner of Lot 10 Block "B" East 50 Feet, North 130 Feet, West 50 Feet, South 130 Feet, back to the point of beginning, in the City of Hattiesburg, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all appurtenances thereunto belonging.

THIS CONVEYANCE is made in trust however, to secure the payment of the above mentioned note or any renewals thereof at maturity; and if this note is paid and all of the other items, covenants and conditions contained herein or in the note secured hereby are duly and faithfully observed, then this instrument shall be and become null and void.

IN THE EVENT OF FAILURE of the Grantor to pay said note, or any installment thereof, as the same falls due or to perform faithfully all the other terms, covenants and conditions as hereinafter set out, then the entire unpaid balance of said note and the interest accrued thereon shall immediately become due and payable for all purposes, whether or not due according to the maturity date or dates thereof; and all other indebtedness, the payment of which is secured hereby, shall likewise become due and payable; and at the request of the Beneficiary herein, or of the owner and holder of said note, the Trustee herein or his successor shall sell above described property and all improvements thereon at public auction for cash to the highest and best bidder, during legal hours, at any front door of the County Courthouse of Forrest County, State of Mississippi after giving notice of the time, place and terms of such sale as require by Section 89-1-55, Mississippi Code of 1972 and amendments thereto, if any, and out of the proceeds arising from such sale, the said Trustee, or any successor, shall first pay all the costs and expenses of executing this Deed of Trust, including reasonable fees as therein provided, and the owner and holder of the above described note, the payment of which is secured hereby, and the remainder of such proceeds shall then be paid to the Grantor. At any such sale, the Beneficiary, or the owner or holder of the above-described note, shall have the same right to purchase at said sale as if a stranger to this instrument.

IN THE EVENT the property shall be found to be in violation of any City of Hattiesburg, State of Mississippi, municipal code provision(s) during the five (5) year lien period, and the GRANTOR shall have failed to cure said violation(s) within thirty (30) days after having received written notice of said violation(s), the undersigned shall be deemed to be in default of the terms of Deed of Trust, thereby entitling the City of Hattiesburg to exercise and enforce any rights and remedies provided for in this Deed of Trust or in the Community Development Block Housing Rehabilitation Grant Program, or any combination thereof. This Deed of Trust shall remain a lien against the subject collateral property for so long as the property remains in violation of municipal code provision, notwithstanding any maturity date stated herein to the contrary.

THE GRANTOR WILL continuously maintain hazard insurance on all buildings, other structures and improvements including equipment, now existing or which may hereafter be erected or installed on the above described property of such type or types and in such amount as the Beneficiary may, from time to time, require. Unless otherwise required by the Beneficiary all such insurance shall be affected by Standard Fire and Extended Coverage policies in amounts not less than necessary to comply with the coinsurance clause percentage of the value applicable to the location and character of the property to be covered. All insurance shall be carried in companies approved by the Beneficiary and the policies and renewal thereof shall be held by the Beneficiary and have attached thereto loss payable clauses in favor of an in form acceptable to the Beneficiary. All policies and attachments thereto shall be delivered promptly to the Beneficiary unless they are required to be delivered to the holder of a lien of a deed of trust or similar instrument to which this Deed of Trust is expressly subject, in which latter event, certificates thereof, satisfactory to the Beneficiary, shall be delivered promptly to the Beneficiary. In the event of loss, the Grantor will give immediate notice by mail to the Beneficiary, who may make proof of loss if not made promptly by the Grantor, and each insurance Company concerned is hereby authorized and directed to make payment for such loss directly to the Beneficiary instead of to the Grantor and the Beneficiary jointly, and the insurance proceeds, or any part thereof, may be applied by the Beneficiary at its option either to the reduction of the indebtedness hereby secured or to the restoration or repair of the property damaged. In the vent of foreclosure of this Deed of Trust or other transfer of title to the said premises in extinguishment of the indebtedness secured hereby, all right, title and interest of the Grantor in and to any insurance policies then in force shall pass to the purchaser or grantee.

IN THE EVENT GRANTOR fails to pay all taxes or other liens on said property before the same becomes delinquent or to maintain insurance on the improvements thereon as herein stipulated, then the entire indebtedness secured hereby shall immediately become due and payable for all purposes and the Trustee herein shall, at the request of the Beneficiary, or the owner and holder of said note, proceed to advertise for sale and sell the above described property as provided in the event of default in payment of said note.

THE BENEFICIARY, or any subsequent holder of the note secured hereby is authorized and empowered to appoint and substitute another Trustee in the place of the Trustee named herein, at any time, by writing duly signed and acknowledged and recorded in county thereof wherein the above described property is located and such appointee shall have full power as Trustee herein, together with all of the rights and privileges thereunto belonging. If the holder of the note is a corporation, any officer thereof may select and appoint a substituted Trustee, issue a declaration of default to the Trustee, and request sale by the Trustee hereunder. No one exercise of this power of appointment, owner of sale, or any other power or right given in this deed of trust shall exhaust the right to exercise such power but all rights and powers herein given may be secured by this Deed of Trust until said indebtedness is fully paid and discharged. At any sale made to enforce the trust herein given, the Beneficiary or any person in interest may become the purchaser, and upon payment of the purchase price, the Trustee shall execute a Deed of Conveyance, which conveyance shall vest the title of the Trustee in such purchaser upon payment of the purchase price.

THE INDEBTEDNESS secured by this Deed of Trust may not be assumed by any person, firm or corporation, and the Grantor has acknowledged by separate agreement the particular circumstances under which this loan was made to him and the reasons for the absolute prohibitions against assumption thereof.

IN WITNESS WHEREOF, the Grantor(s) have hereunto set her [his/her/their] hand(s) the day and year hereinabove first written.

Homeowner's Signature

Spouse's Signature, (when applicable)

**STATE OF MISSISSIPPI
COUNTY OF FORREST**

Personally appeared before me, the undersigned authority in and for the state aforesaid Gwendolyn M. Harris, personally known to me or proven to me by sufficient photo identification, of 543 Miller Street, Hattiesburg, MS, Grant Applicant, who acknowledge before me that she signed and delivered the foregoing instrument on the day and year herein mentioned.

Given under my hand and seal this ____ day of _____, 2018.

My Commission Expires

NOTARY PUBLIC



City of Hattiesburg, MS

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

Master

File Number: 2018-451

File ID: 2018-451

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Ginger Lowrey

File Created: 05/10/2018

Brief Title: Declare an approve purchase of National Night Out supplies from NATW in an amount not to exceed \$7,134.00 as a sole source purchase.

Final Action: 05/22/2018

Minute Book Number: MB2018-134-135

Title:

Declare and approve the purchase of National Night Out Against Crime supplies from NATW in an amount not to exceed \$7,134.00 as a sole source purchase as provided for in Section 31-7-13 (viii) of the Mississippi Code of 1972, based on information in attached letter and memorandums.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VI.-17

Sponsors:

Enactment Date:

Attachments: 2018 NNO Budget-NATW, NATW Letter to Hattiesburg 2018, NATW Memo

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/21/2018					
1	City Council	05/22/2018	Approve				Pass

Action Text: A MOTION was made by Council Vice President Dryden and seconded by Council Member Brown to Declare and approve the purchase of National Night Out Against Crime supplies from NATW in an amount not to exceed \$7,134.00 as a sole source purchase as provided for in Section 31-7-13 (viii) of the Mississippi Code of 1972, based on information in attached letter and memorandums.

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 2018-451

Title

Declare and approve the purchase of National Night Out Against Crime supplies from NATW in an amount not to exceed \$7,134.00 as a sole source purchase as provided for in Section 31-7-13 (viii) of the Mississippi Code of 1972, based on information in attached letter and memorandums.

Summary

Declare and approve purchase of National Night Out supplies from NATW in an amount not to exceed \$7,134.00 as a sole source purchase.

Budget Information

Line Item 1090.5011

Expenditure Type

Purchasing Item

Publication Information

2018 NATIONAL NIGHT OUT AGAINST CRIME BUDGET

'America's Night Out' (National Association of Town Watch Purchases) August 7, 2018				
Items	Item #	Price	Quantity	Totals
Embroidered Baseball Cap	110	8.99	12	\$107.88
Neighborhoods & Volunteers T-Shirts (S, M, L, XL)	116	\$7.19	300	\$2,157.00
Neighborhoods & Volunteers T-Shirts (XXL)	116	\$9.10	75	\$682.50
Neighborhoods & Volunteers T-Shirts (XXXL)	116	\$10.10	55	\$555.50
Golf Shirts for Mayor, Council, Supervisors, Directors, and Chiefs (M, L & XL)	118	\$26.50	12	\$318.00
Golf Shirts Council, Supervisors and Directors (XXL)	118	\$28.50	4	\$114.00
Golf Shirts Council, Supervisors and Directors (XXXL)	118	\$29.50	2	\$59.00
NNO Lanyard	808	\$30.50/25	10	\$305.00
NNO Balloons (11")	810	\$110.00/500	1	\$110.00
NNO Hand Fans (500)	812	\$29.00/25	20	\$580.00
NNO Tech Stickers	813	\$8.52/12	50	\$426.00
NNO Pencils (600)	815	\$39.00/100	6	\$234.00
NNO 2018 August Banner	822	\$179.00/5	1	\$179.00
NNO Reflective Awareness Bracelets (400)	824	\$89.00/100	4	\$356.00
NNO Finger Lights (612)	827	\$46.80/36	11	\$514.80
NNO Hyper Light ball	833	\$58.75/25	12	\$705.00
NATW Subtotal				\$7,403.68
Membership Coupon	Code	Police18		-\$25.00
Membership Discount 5% - MS178	Code	Alert18		-\$368.93
Shipping				\$124.00
Total				\$7,133.75



Ph: 610.649.7055
F: 610.649.5456
308 E. Lancaster Ave., Suite 115
Wynnewood, PA 19096
www.natw.org

April 19, 2018

Hattiesburg, MS

To Whom It May Concern:

Please be advised that the National Association of Town Watch (NATW) is the sole source and sole supplier for all NATW and "National Night Out" printed and promotional products.

The NATW and National Night Out name, logos, themes and artwork are federally registered trademarks of the National Association of Town Watch. NATW is the sole distributor of all National Night Out products. No other company is authorized to produce any National Night Out products.

If you have any questions regarding this matter, please contact me at the above number. Or, feel free to e-mail us at info@natw.org

Thank you for your cooperation.

Sincerely,

Matt A. Peskin
Executive Director



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 Members

From: Maxine Coleman

RE: Sole Source

Please be advised that the National Night Out name. Logos, themes and artwork are federally registered trademarks of the National Association of Town Watch. NATW is the sole distributor of all National Night Out products. No other company is authorized to produce any National Night Out products.

If you have any questions regarding this matter, please feel free to contact me.

Sincerely,

Maxine Coleman
Maxine Coleman



City of Hattiesburg, MS

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

Master

File Number: 2018-461

File ID: 2018-461

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Darnelle Larremore

File Created: 05/14/2018

Brief Title: Acknowledge receipt of the April 2018 privilege license report.

Final Action:

Minute Book Number: MB2018-134-135

Title: Acknowledge receipt of Privilege License Report for the month of April, 2018.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VII.-1

Sponsors:

Enactment Date:

Attachments: Privilege License Report-April 01-31-2018,
Memo-Privilege License Report for April 2018

Enactment Number:

Contact:

Meeting Date: 05/22/2018

Drafter: Darnelle Larremore

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	05/22/2018					

Text of Legislative File 2018-461

Title

Acknowledge receipt of Privilege License Report for the month of April, 2018.

Summary

Acknowledge receipt of the April 2018 privilege license report.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

PRIVILEGE LICENSE MONTHLY REPORT

04/01/2018 TO 04/30/2018

New Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name, & Address of Business</u>
LIC-01-18-012239	\$13.33		DEPOT KITCHEN AND MARKET PO BOX 1101 HATTIESBURG MS 39403
LIC-01-18-012240	\$35.00		DEPOT KITCHEN AND MARKET PO BOX 1101 HATTIESBURG MS 39403
LIC-01-18-012245	\$45.00		DONUT KING 6106 HWY 98 WEST STE 10 HATTIESBURG MS 39402
LIC-01-18-012297	\$55.00		ACADEMY MORTGAGE CORPORATION 16 OFFICE PARK DR STE 10 HATTIESBURG MS 39402
LIC-01-18-012377	\$112.00		HATTIESBURG CLINIC, PA/THE PEDIATRIC CLINIC 101 MEDICAL PARK HATTIESBURG MS 39401
LIC-02-18-012469	\$45.00		THE WORKSHOP 3982 ROCKY BRANCH RD SUMRALL 39482
LIC-02-18-012487	\$75.00		INFINITY BICYCLES HB INC 4700 HARDY ST HATTIESBURG MS 39402
LIC-03-18-012563	\$45.00		FAMILY CLINIC ON ADELINE 1501 ADELINE ST STE 3 HATTIESBURG MS 39401
LIC-03-18-012574	\$50.00		THE SOURCE 1000 TURTLE CREEK DR STE 750 HATTIESBURG MS 39402
LIC-03-18-012611	\$10.00		BLU JAZZ CAFE 103 E FRONT ST HATTIESBURG MS 39401
LIC-03-18-012641	\$20.00		SOUTHWESTERN SERVICES 2901 SUFFOLK DR STE 100 FORT WORTH TX 76133
LIC-03-18-012657	\$175.00		LA FIESTA BRAVA 6168 HIGHWAY 49 HATTIESBURG MS 39401-
LIC-03-18-012698	\$45.00		DOMESTIC ABUSE FAMILY SHELTER, INC PO BOX 273 LAUREL MS 394410273
LIC-04-18-012750	\$32.50		BLU JAZZ CAFE 103 E FRONT ST HATTIESBURG MS 39401
LIC-04-18-012751	\$20.00		FIXATION FACTORY 201 BLUE GABLE RD APT. 1001 HATTIESBURG MS 39401
LIC-04-18-012805	\$30.00		DILLON CONSTRUCTION 307 SMITHTOWN CHICORA RD RICHTON MS 39476

LIC-04-18-012816	\$20.00	PRETTY AND CLEAN 1703 3RD TERRACE HATTIESBURG MS 39401
LIC-04-18-012852	\$0.00	DOMESTIC ABUSE FAMILY SHELTER, INC P.O. BOX 273 LAUREL MS 39441
LIC-04-18-012900	\$20.00	WELLS REALTY, LLC 12 COTTONWOOD DR HATTIESBURG MS 39402
LIC-04-18-012914	\$20.00	HAWK SONG DESIGNS 2608 SUTTON HATTIESBURG MS 39402
LIC-04-18-012947	\$20.00	SPYDER MOVING SERVICES 12 PARK PLACE APT. 250 I HATTIESBURG MS 39402
LIC-04-18-012948	\$30.00	JOHNSON ELECTRIC PO BOX 17917 HATTIESBURG MS 39404
LIC-08-17-010771	\$45.00	NICE GUYS AUTO LLC 5597 HWY 42 STE A-1 HATTIESBURG MS 39401
LIC-10-17-011614	\$45.00	MY MORTGAGE COMPANY LLC 618 CAMPBELL LOOP HATTIESBURG MS 39401
LIC-10-17-011711	\$55.00	JUBILANT DRAXIMAGE RADIOPHARMACIES, INC. 4 WILLOW PT # 24 HATTIESBURG MS 39402

25

\$1,062.83

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name, & Address of Business</u>
LIC-04-18-012739	\$20.00		STORK SECRET, LLC 28 MARKET CT HATTIESBURG MS 39402
LIC-04-18-012740	\$30.00		ESSCO HEATING & A/C 415 PROVIDENCE ST HATTIESBURG MS 39401
LIC-04-18-012742	\$20.00		EXPRESS EMPLOYMENT PROFESSIONALS 4700 HARDY STREET STE P HATTIESBURG MS 39402-
LIC-04-18-012743	\$20.00	\$2.20	GRANT'S BODY SHOP 1517 VERNON STREET HATTIESBURG MS 39401
LIC-04-18-012744	\$96.00	\$13.44	SOUTHERN CARE, INC. 4700 HARDY STREET Y HATTIESBURG MS
LIC-04-18-012745	\$30.00		PAPA MURPHY'S PIZZA 6169 HWY 98 STE 20 HATTIESBURG MS 39402
LIC-04-18-012746	\$63.00		GENERAL NUTRITION CORPORATION 1000 TURTLE CREEK DRIVE HATTIESBURG MS
LIC-04-18-012747	\$20.00		WILDFLOWER WELLNESS LLC 427 WEATHERSBY RD HATTIESBURG MS 39402
LIC-04-18-012752	\$30.00		PINE BELT DERMATOLOGY 5003 HARDY ST HATTIESBURG MS 39402

LIC-04-18-012753	\$30.00		MCALISTER'S DELI OF HATTIESBURG 2300 HARDY STREET HATTIESBURG MS 39401
LIC-04-18-012757	\$20.00		COMMUNITY CONNECTIONS INC 215 MOBILE STREET HATTIESBURG MS 39401
LIC-04-18-012759	\$30.00		GRACE COMMUNITY SCHOOL 30 PIONEER ROAD S HATTIESBURG MS 39402-
LIC-04-18-012760	\$60.00		WARD'S 717 BARTUR STREET HATTIESBURG MS 394018324
LIC-04-18-012761	\$20.00		STRICK'S MARKET SNOWBALL STAND 3803 W 4TH STREET HATTIESBURG MS 39401
LIC-04-18-012762	\$20.00		WILLIAM PEEBLES PO BOX 969 HATTIESBURG MS 394010000
LIC-04-18-012763	\$20.00		HATTIESBURG CAR TITLE LOAN CO. INC. 1910 HARDY STREET B HATTIESBURG MS 39403
LIC-04-18-012764	\$20.00		HATTIESBURG PAYDAY LOAN CO INC. 1910 HARDY STREET STE 20B HATTIESBURG MS 39401-
LIC-04-18-012766	\$20.00	\$2.20	BUCKOS CLEANERS 316 HARDY ST W HATTIESBURG MS 39401
LIC-04-18-012774	\$45.00		ART'S TOWING 5582 HWY 42 BYPASS HATTIESBURG MS 39401-
LIC-04-18-012775	\$20.00		THE CAROL JONES RUSSELL LAW FIRM, PLLC 713 RONIE STREET HATTIESBURG MS 39401-
LIC-04-18-012776	\$20.00		MASSENGALE'S LAWN SERVICE 620 SOUTH 19TH AV HATTIESBURG MS 39401-
LIC-04-18-012777	\$30.00		JOHN'S CAR CARE 1209 HARDY ST HATTIESBURG MS 39401
LIC-04-18-012779	\$20.00		LISA TINGLE REALTY, LLC 201 N 25TH AVENUE HATTIESBURG MS 39402
LIC-04-18-012780	\$20.00		TRUCKS PLUS AUTO ACCESSORIES 1102 W PINE STREET HATTIESBURG MS 39401-
LIC-04-18-012781	\$25.00		EVALUEVILLE.COM, INC PO BOX 1628 HATTIESBURG MS 39403
LIC-04-18-012782	\$20.00		HERNANDEZ TIRE SHOP 902 HARDY STREET HATTIESBURG MS 39401-
LIC-04-18-012783	\$20.00		THE SNO-HOUSE 500 FLORENCE STREET HATTIESBURG MS 39401
LIC-04-18-012784	\$20.00		MEADOR HOMESTEAD B & B 117 LONGWOOD TERRACE HATTIESBURG MS 39402-

LIC-04-18-012785	\$20.00		DENNIS PIERCE, INC. 23 LIBERTY PLACE HATTIESBURG MS 39402
LIC-04-18-012786	\$30.00		GREAT LENGTHS HAIR SALON 28 MARKET COURT 110 HATTIESBURG MS 39402-0000
LIC-04-18-012787	\$20.00		TRACTORS UNLIMITED LLC 1507 N MAIN STREET HATTIESBURG MS 39401
LIC-04-18-012788	\$20.00		LIL' BUTCHER SHOPPE P.O. BOX 1509 PURVIS MS 394750487
LIC-04-18-012789	\$30.00		U-HAUL COMPANY OF MISSISSIPPI 918 BROADWAY DRIVE HATTIESBURG MS 39401
LIC-04-18-012790	\$105.00		U-HAUL COMPANY OF MISSISSIPPI PO BOX 21517 PHOENIX AZ 85036
LIC-04-18-012791	\$25.00		MATTRESS EXPRESS BY WOODSTOCK FURN 6175 HWY 98 STE 10 HATTIESBURG MS 39403
LIC-04-18-012792	\$40.00		N & H ELECTRONICS 1100 HARDY STREET HATTIESBURG MS 39401
LIC-04-18-012793	\$20.00		QUALITY TAXES, LLC 1507 HARDY STREET STE 201 HATTIESBURG MS 39402
LIC-04-18-012794	\$340.00		CATHERINES #211 4600 HARDY STREET HATTIESBURG MS 39402
LIC-04-18-012795	\$20.00		K & D SALES, LLC 107 HILLENDALE DRIVE HATTIESBURG MS 39402
LIC-04-18-012796	\$87.00		COLDWELL BANKER, DON NACE, INC. 6184 HIGHWAY 98 W 100 HATTIESBURG MS 39402-
LIC-04-18-012797	\$30.00		TATUM, VIRGINIA ANGELICO, PLLC, DDS 1623 S 28TH AVENUE HATTIESBURG MS 39402
LIC-04-18-012798	\$30.00		HOVER GRAVEL INC 6068 HWY 98 STE 1-233 HATTIESBURG MS 39402
LIC-04-18-012799	\$25.00		MATTRESS DIRECT OF NEW ORLEANS 215 STARING LANE BATON ROUGE LA 70810
LIC-04-18-012800	\$48.00	\$6.72	NORDIC LOGISTICS & WAREHOUSING, LLC 25 BONHOMIE ROAD HATTIESBURG MS 39401
LIC-04-18-012801	\$20.00	\$29.60	SIMMONS ELECTRICAL 507 BARRY STREET HATTIESBURG MS
LIC-04-18-012802	\$30.00	\$3.30	KUT-UPZ HAIR SALON 3814 W W.4TH ST STE 30 HATTIESBURG MS 39402-
LIC-04-18-012803	\$20.00		KUT UPZ 2 "THE BARBER SHOP" 3814 W 4TH STREET D HATTIESBURG MS 39401-

LIC-04-18-012804	\$40.00		THE CHILDREN'S PLACE #4031 6055 HIGHWAY 98 10 HATTIESBURG MS 39403
LIC-04-18-012807	\$20.00		RJ MARTIN NATIONAL CONTRACTING 225 SEVEN FARMS DR 203 DANIEL ISLAND SC 29482
LIC-04-18-012809	\$40.00		NORTH HILLS PLACE APARTMENTS 200 CAHAL STREET HATTIESBURG MS 39403
LIC-04-18-012810	\$30.00		LIN R. ROGERS ELECTRICAL CONT., INC 2050 MARCONI DRIVE 200 HATTIESBURG MS 39402
LIC-04-18-012811	\$25.00		CHICO'S #1216 11215 METRO PARKWAY FT MYERS FL 33966-
LIC-04-18-012812	\$20.00		3R CONSTRUCTION SERVICES, LLC. 703 NEW HOPE RD ELLISVILLE MS 39437
LIC-04-18-012813	\$20.00		EDWARD JONES PO BOX 66719 BRANCH TAX 95037 ST LOUIS MO 631666719
LIC-04-18-012814	\$20.00		CMS MECHANICAL SERVICE, LLC 445 WEST DRIVE 101 MELBOURNE FL 32904-
LIC-04-18-012815	\$20.00		STEWART CONSTRUCTION CO., INC 3007 CITIZENS PKWY SELMA AL 36701-
LIC-04-18-012817	\$20.00		C STUDIO PHOTOGRAPHY 2009 HARDY STREET B HATTIESBURG MS 39401
LIC-04-18-012818	\$20.00		BANANA SPLIT CHILDREN'S BOUTIQUE 560 WEATHERSBY ROAD 170 HATTIESBURG MS 39402-
LIC-04-18-012819	\$20.00		CONNIE'S DAY CARE 321 S 23RD AVENUE HATTIESBURG MS 39401
LIC-04-18-012820	\$20.00		JIM SMITH SERVICES, INC. 315 E 3RD STREET HATTIESBURG MS
LIC-04-18-012821	\$20.00		JIM SMITH SERVICES, INC. 315 E 3RD STREET HATTIESBURG MS
LIC-04-18-012822	\$30.00		SUBWAY @HATTIESBURG CLINIC 77 BIENVILLE TRC HATTIESBURG MS 39402
LIC-04-18-012823	\$30.00	\$5.10	SOUTHERN SURGERY WOUND CARE CLINIC 139 FAIRFIELD DRIVE HATTIESBURG MS 39402-
LIC-04-18-012824	\$20.00	\$3.40	SOUTHERN UROLOGY, P.A. 139 FAIRFIELD DRIVE HATTIESBURG MS 39402-
LIC-04-18-012825	\$20.00	\$3.40	SOUTHERN SURGICAL ASSOCIATES 139 FAIRFIELD DRIVE HATTIESBURG MS 39402-
LIC-04-18-012826	\$30.00	\$4.50	CURVES BROW BAR 906 DELFORD WAY SUGARLAND TX 77479

LIC-04-18-012827	\$30.00		MICROTEL INN & SUITES 105 WESTOVER DRIVE HATTIESBURG MS 39402
LIC-04-18-012828	\$20.00		ELITE SCREEN PRINTING 200 N 40TH AVENUE N 70 HATTIESBURG MS 39402-
LIC-04-18-012829	\$300.00		ECONOMY SUPPLY CO. INC. 200 2ND STREET HATTIESBURG MS 39401
LIC-04-18-012831	\$39.00		MAACO AUTO PAINTING & BODYWORK 1915 LINCOLN ROAD HATTIESBURG MS 39402
LIC-04-18-012832	\$300.00		HATTIESBURG CYCLES, INC.YAMAHA/KAWASAKI/SUZUKI 6412 HIGHWAY 49 N HATTIESBURG MS 39401-
LIC-04-18-012833	\$20.00	\$2.20	DUKES, DUKES, KEATING & FANCA, P.A. 100 DUDLEY W CONNER STREET HATTIESBURG MS 39401-
LIC-04-18-012834	\$30.00		PIERCON, INC. 23 LIBERTY PLACE HATTIESBURG MS 39402
LIC-04-18-012845	\$20.00	\$3.40	INDIAN DELIGHT 163 TURTLE CREEK DRIVE #10 HATTIESBURG MS 39402-
LIC-04-18-012846	\$15.00	\$7.50	INDIAN DELIGHT 163 TURTLE CREEK DRIVE #10 HATTIESBURG MS 39402-
LIC-04-18-012847	\$30.00		SOUTHERN PROHIBITION BREWING, LLC 301 MOBILE STREET HATTIESBURG MS 39401
LIC-04-18-012848	\$50.00		SOUTHERN PROHIBITION BREWING, LLC 2056 OAK GROVE RD HATTIESBURG MS 394021475
LIC-04-18-012849	\$75.00		AUDIO VIDEO SPECIALISTS, INC 175 TURTLE CREEK DRIVE HATTIESBURG MS 39402-
LIC-04-18-012850	\$20.00		INGRAM & ASSOCIATES PO BOX 15039 HATTIESBURG MS 394045039
LIC-04-18-012851	\$20.00		SBA NETWORK SERVICES, LLC 8051 CONGRESS AV BOCA RATON FL 334871307
LIC-04-18-012853	\$80.00		WESTERN CONTAINER 110 WL RUNNELS INDUSTRIAL DRIVE HATTIESBURG MS 39401
LIC-04-18-012854	\$20.00		WALNUT SQUARE PHARMACY 124 WALNUT STREET 3 HATTIESBURG MS 39401
LIC-04-18-012855	\$20.00		LILLY PAD HOME HEALTH AGENCY 1507 HARDY STREET STE 201 HATTIESBURG MS 39401
LIC-04-18-012856	\$20.00		PEOPLE READY, INC PO BOX 2910 TACOMA WA 98401
LIC-04-18-012857	\$50.00		TUESDAY MORNING, INC. #362 6250 LBJ FREEWAY DALLAS TX 752400000

LIC-04-18-012858	\$20.00		AFFORDABLE DENTURES DENTAL LABORATORIES, LLC 4600 HARDY ST 33 HATTIESBURG MS 39402
LIC-04-18-012859	\$30.00		DAVID M. PEREZ, DMD, P.C. 4600 HARDY ST HATTIESBURG MS 39401
LIC-04-18-012860	\$20.00		JAVA WERKS COFFEE & TEA 5891 US HWY 49 S STE 60260 HATTIESBURG MS 39403-
LIC-04-18-012861	\$30.00		SUN SOLAR LLC P.O. BOX 6000 APACHE JUNCTION AR 85178
LIC-04-18-012862	\$20.00		NORMAN PAULI, JR., ATTORNEY AT LAW 1001 W PINE STREET HATTIESBURG MS 39401
LIC-04-18-012863	\$30.00		ACTION MARINE & POWER CENTER PO BOX 16087 HATTIESBURG MS 394020000
LIC-04-18-012864	\$20.00		JOHN W. LEE, JR. ATTORNEY 119 HARDY STREET HATTIESBURG MS 39401
LIC-04-18-012865	\$560.00		EXPERT TIRE OF HATTIESBURG 205 HARDY STREET HATTIESBURG MS
LIC-04-18-012866	\$20.00		HAROLD KNIGHT SEWING MACHINE INC. 1900 HARDY STREET HATTIESBURG MS 394010000
LIC-04-18-012867	\$20.00		COOK'S UNIVERSITY MALL BARBER SHOP 3808 HARDY STREET HATTIESBURG MS 39401-
LIC-04-18-012868	\$150.00		COURTESY MOTORS, INC. PO BOX 352 HATTIESBURG MS 394030352
LIC-04-18-012869	\$20.00		HUB CITY QUIK LUBE & TUNE UP 6100 HIGHWAY 49 HATTIESBURG MS 39401-
LIC-04-18-012870	\$300.00		MINGLEDORFF'S INC. 6675 JONES MILL CT. NORCOSS GA 30092
LIC-04-18-012872	\$20.00		ELLISON PLUMBING & PIPING INC. 4360 DAWES LANE E MOBILE AL 36619-
LIC-04-18-012874	\$45.00		A. PRO TOWING 1701 E HARDY STREET HATTIESBURG MS 39401
LIC-04-18-012875	\$20.00		SERENITY NAIL & SPA 24 TURTLE CREEK CROSSING STE 190 HATTIESBURG MS 39402-
LIC-04-18-012877	\$20.00		JERRY W. CARTER SERVICE CO. 984 HWY 42 SUMRALL MS 39482
LIC-04-18-012878	\$20.00		YOUR STORY CATERING 1609 W 7TH ST HATTIESBURG MS 39401
LIC-04-18-012880	\$20.00	\$2.60	HMP NURSING SERVICES, INC. 124 WALNUT ST STE 5 HATTIESBURG MS 39401

LIC-04-18-012884	\$30.00		URGENT CARE DENTAL CENTER 2104 HARDY STREET HATTIESBURG MS 39401-
LIC-04-18-012885	\$30.00	\$3.60	SOUTHERN OIL COMPANY INC 6933 HIGHWAY 49 HATTIESBURG MS 39402-
LIC-04-18-012887	\$20.00		CARRIAGE INN MOTEL 914 BROADWAY DR HATTIESBURG MS 39401-
LIC-04-18-012889	\$10.00		CARRIAGE INN MOTEL 914 BROADWAY DRIVE HATTIESBURG MS 39401-
LIC-04-18-012891	\$40.00		JOURNEYS KIDZ #1634 1415 MURFREESBORO PIKE STE 240 NASHVILLE TN 372170017
LIC-04-18-012896	\$20.00		WESLEY BEHAVIORAL HEALTH 239 METHODIST BOULEVARD HATTIESBURG MS 39402
LIC-04-18-012897	\$150.00		REGIONS BANK DBA REGIONS MORTGAGE 500 MAIN STREET HATTIESBURG MS 39401-
LIC-04-18-012898	\$150.00		REGIONS BANK 130 W FRONT STREET HATTIESBURG MS 39401
LIC-04-18-012899	\$150.00		REGIONS BANK DBA REGIONS MORTGAGE 215 FORREST STREET HATTIESBURG MS 39401-
LIC-04-18-012901	\$93.00		SUNBELT FANS & LIGHTING 201 THORNHILL DRIVE HATTIESBURG MS 39401
LIC-04-18-012902	\$33.00		SHERWIN WILLIAMS COMPANY #7455 P O BOX 6027 CLEVELAND OH 441016027
LIC-04-18-012903	\$20.00		MISSISSIPPI TITLE LOANS, INC 211 BROADWAY DRIVE HATTIESBURG MS 39401-
LIC-04-18-012904	\$20.00		CASH DEPOT TITLE LOANS OF MS LLC PO BOX 3073 CORDOVA TN 38088-3073
LIC-04-18-012905	\$20.00		ARDOR 515 E PINE STREET HATTIESBURG MS 39401-
LIC-04-18-012907	\$150.00		ADVANCE AUTO PARTS #5604 PO BOX 2710 ROANOKE VA 24001
LIC-04-18-012908	\$30.00		LINCOLN ROAD FAMILY MEDICINE 415 S 28TH AV HATTIESBURG MS 39401
LIC-04-18-012909	\$30.00		ENDLESS SUMMER, LLC 6555 HWY 98 HATTIESBURG MS 39402
LIC-04-18-012911	\$20.00	\$118.00	B & R AUTO REPAIR 1501 N MAIN STREET HATTIESBURG MS
LIC-04-18-012916	\$30.00		GOLDEN TOUCH ADULT DAY CENTER 6050 HIGHWAY 49 S HATTIESBURG MS 39401

LIC-04-18-012917	\$20.00		SOUTH MS OFFICE FURNITURE 6403 HWY 49 NORTH HATTIESBURG MS 39401-
LIC-04-18-012918	\$20.00		3 D MECHANICAL, ELECTRICAL & PLUMBING, LLC 1413 CONCERT STREET HATTIESBURG MS 39403
LIC-04-18-012919	\$20.00		BELL, J. C. 1210 W PINE STREET HATTIESBURG MS 39401
LIC-04-18-012925	\$20.00	\$2.20	TINGLE LAW GROUP, PLLC 1507 HARDY STREET STE 102 HATTIESBURG MS 39401-
LIC-04-18-012926	\$20.00		STEVE FLOYD PROPERTIES INC. 5912 HIGHWAY 49 HATTIESBURG MS 394010000
LIC-04-18-012927	\$20.00		GOAR CONSTRUCTION 2387 OLD HWY 24 HATTIESBURG MS 39402-
LIC-04-18-012928	\$20.00		FORREST GENERAL GIFT SHOP 6051 HIGHWAY 49 HATTIESBURG MS 39402-
LIC-04-18-012929	\$30.00		JACKSON , TULLOS & ROGERS, PLLC 309 S 40TH AVENUE HATTIESBURG MS 39402
LIC-04-18-012930	\$20.00		SHOEMAKE, CHARLES 26 CANEBRAKE BOULEVARD HATTIESBURG MS
LIC-04-18-012931	\$20.00		SHOEMAKE, LEE EMC 26 CANEBRAKE BOULEVARD HATTIESBURG MS
LIC-04-18-012932	\$20.00		AFRICAN HAIR BRAIDING PARADISE 204 EASTSIDE AVENUE 1 HATTIESBURG MS 39401
LIC-04-18-012935	\$20.00		QUALITY FLOORING PO BOX 744 COLUMBIA MS 39429-
LIC-04-18-012937	\$40.00		TISH GAMMILL INTERIOR DESIGN, LLC 3820 HARDY STREET HATTIESBURG MS 39402
LIC-04-18-012938	\$20.00		ATLAST PROPERTY PREP SERVICE 103 S 14TH AV HATTIESBURG MS 39401
LIC-04-18-012939	\$20.00	\$2.40	SALVAGE WORLD 601 BROADWAY DRIVE HATTIESBURG MS 39401
LIC-04-18-012940	\$20.00	\$3.40	SALVAGE WORLD LLC 1309 W PINE STREET HATTIESBURG MS 39401-
LIC-04-18-012941	\$20.00	\$3.20	WEENIE KING 2427 W 4TH STREET HATTIESBURG MS 39401-
LIC-04-18-012942	\$20.00		JAMES L. QUINN ATTORNEY AT LAW PLLC 807 W PINE STREET STE A HATTIESBURG MS 394010000
LIC-04-18-012944	\$45.00		PEARL RIVER VALLEY OPPORTUNITY INC 100 W FRONT STREET HATTIESBURG MS 39403

LIC-04-18-012945	\$25.00	SOLAR SUPPLY INC. PO DRAWER 3029 LAKE CHARLES LA 706020000
LIC-04-18-012949	\$30.00	JOHNSON ELECTRIC 169 NOBLES RD SUMRALL MS 39404
LIC-04-18-012950	\$30.00	JOHNSON ELECTRIC PO BOX 17917 HATTIESBURG MS 39404

145	\$6,344.00	\$222.36
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Total Collection for April

New Licenses	\$1,062.83
Renewed Licenses	\$6,344.00
Penalties	\$222.36
Grand Total	\$7,629.19



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

May 4, 2018

To: Mayor and City Council

From: Darnelle Larremore, Division Manager
City Clerk's Division

Subject: Privilege Tax License Reports

Attached are copies of the monthly Privilege License Reports for April 1 – 30, 2018. A summary has been provided below for easier viewing.

March	New Licenses	25	\$1,062.83
	Renewed Licenses	145	\$6,344.00
	Penalties		<u>\$ 222.36</u>
	Grand Total	170	\$ 7,629.19

Respectfully submitted

Darnelle Larremore

Division Manager
City Clerk/Tax Division



City of Hattiesburg, MS

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

Master

File Number: 2018-462

File ID: 2018-462

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 05/14/2018

Brief Title: Approve plans and specs and authorize advertisement for bids for Infrastructure Rehabilitation - Arledge Street and Katie Avenue Area project.

Final Action:

Minute Book Number: MB2018-135

Title:

Approve plans and specifications for the Infrastructure Rehabilitation - Arledge Street and Katie Avenue Area project (related to the Public Safety Complex project); Authorize advertisement for bids for same.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VII.-2

Sponsors:

Enactment Date:

Attachments: Advertisement for Bids, 11258_Plans_Street Ready Set_Signed_2018-05-14, 11258_Specs_Review Set_(Lamar), executed Ad for Bids for Infrastructure Rehab. - Arledge St and Katie Ave Area Project (related the Public Safety Complex)

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/22/2018					

Text of Legislative File 2018-462

Title

Approve plans and specifications for the Infrastructure Rehabilitation - Arledge Street and Katie Avenue Area project (related to the Public Safety Complex project); Authorize advertisement for bids for same.

Summary

Advertise for bids for the Infrastructure Rehabilitation - Arledge Street and Katie Avenue Area project.

Budget Information

Certificates of Participation

Expenditure Type

Purchasing Item

Publication Information

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 **June 28, 2018** in City Council Chambers at City Hall, 200 Forrest Street, Hattiesburg, MS 39401, and then at said location will open and read aloud bids received for furnishing the City's requirements for the following:

INFRASTRUCTURE REHABILITATION ARLEDGE STREET & KATIE AVENUE AREA HATTIESBURG, MISSISSIPPI

Official bid documents can be downloaded from Central Bidding at www.centralbidding.com. Electronic bids can be submitted at www.centralbidding.com. For any questions relating to the electronic bidding process, please call Central Bidding at 225-810-4814. 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 sealed and marked EXACTLY as follows:

BID: INFRASTRUCTURE REHABILITATION ARLEDGE STREET & KATIE AVENUE AREA 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 ____ day of _____ A.D., 2018.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____
Kermas Eaton, City Clerk

Publish on May 31, 2018 and June 7, 2018
City of Hattiesburg
Return PROOF to City Clerk's Office
PO Box 1898
Hattiesburg, MS 39403

G:\PROJECTS\Other and Associates\15819\CAD Files\1258 City CAD\1258_Cover_Note.dwg, CVR, 5/14/2018 11:30:32 AM

DETAILED INDEX		
SHEET No.	WRK No.	DESCRIPTION
1	CVR	COVER SHEET, SHEET INDEX, VICINITY MAP, LOCATION MAP & UTILITY LIST
2	GN1	GENERAL NOTES & LEGENDS
3	TOPO1	TOPOGRAPHIC MAP
4	TOPO2	TOPOGRAPHIC MAP CONTINUED
5	PnP1	ARLEDGE STREET STA 10+00 - STA 16+40
6	PnP2	ARLEDGE STREET STA 12+60 - STA 18+40
7	PnP3	KATIE AVENUE STA 10+00 - STA 15+00
8	PLN1	KATIE AVENUE STORM DISCHARGE PLAN
9	TS1	TRAFFIC SIGNAL RELOCATION PLAN
10	TCP 1	TRAFFIC CONTROL PLAN
11	GSD1	GENERAL SITE DETAILS
12	GSD2	GENERAL SITE DETAILS
13	WTRD1	WATER INSTALLATION DETAILS
14	WTRD2	WATER INSTALLATION DETAILS
15	SSD1	SEWER INSTALLATION DETAILS
16	SSD2	SEWER INSTALLATION DETAILS
17	TWD1	TRACER WIRE DETAILS
18	PMP1	PAVING, MARKING & SIGNAGE PLAN
19	PMP2	PAVING, MARKING & SIGNAGE PLAN
20	PMP3	PAVING, MARKING & SIGNAGE PLAN
21	PMP4	PAVING, MARKING & SIGNAGE PLAN
22	PMP5	PAVING, MARKING & SIGNAGE PLAN
23	ECP1	STORM WATER POLLUTION PREVENTION PLAN
24	VS1	VEGETATION SCHEDULE & MISC DETAILS
25	TSD-3	PULL BOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION
26	TSD-5	TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE 1 POLE ATTACHMENTS AND MISCELLANEOUS DETAILS
6101	ECD-1	TYPICAL TEMPORARY EROSION / SEDIMENT CONTROL APPLICATIONS
6102	ECD-2	DETAILS OF SEDIMENT BARRIER APPLICATIONS
6103	ECD-3	DETAILS OF SILT FENCE INSTALLATION
6104	ECD-4	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
6106	ECD-6	DETAILS OF EROSION CONTROL WATTLE DITCH CHECK
6111	ECD-11	TYPICAL APPLICATIONS AND DETAILS FOR INLET CONSTRUCTION
6113	ECD-13	INLET PROTECTION DETAILS OF WATTLES
6115	ECD-15	INLET PROTECTION DETAILS OF SANDBAGS
6121	ECD-21	DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK
6351	TCP-1	TRAFFIC CONTROL PLAN WITH FLAGGER
6358	TCP-8	HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS
6422	CR-2	CURB RAMPS PLACEMENT DETAILS
6424	CR-4	CURB RAMPS DETECTABLE WARNING DETAILS
6501	PI-1	PIPE CULVERT INSTALLATION
6502	PI-2	FLEXIBLE PIPE CULVERT INSTALLATION
6504	JB-1	JUNCTION BOX FOR PIPE CULVERTS
6506	JB-2	JUNCTION BOX TYPE 2 FOR TRAFFIC LOAD
6524	SS-2	STORM SEWER INLET TYPE SS-2
6531	FE-1A	FLARED END SECTION FOR CONCRETE ARCH PIPE
6535	PCU-1	PRECAST UNITS (JUNCTION BOX, SS-3 INLET, & DROP INLET) (30" CONC. ROUND PIPE & UNDER) (36"x23" CONC. ARCH PIPE & UNDER)

CONSTRUCTION PLANS

FOR

INFRASTRUCTURE REHABILITATION ARLEDGE STREET & KATIE AVENUE AREA

FOR THE

CITY OF HATTIESBURG

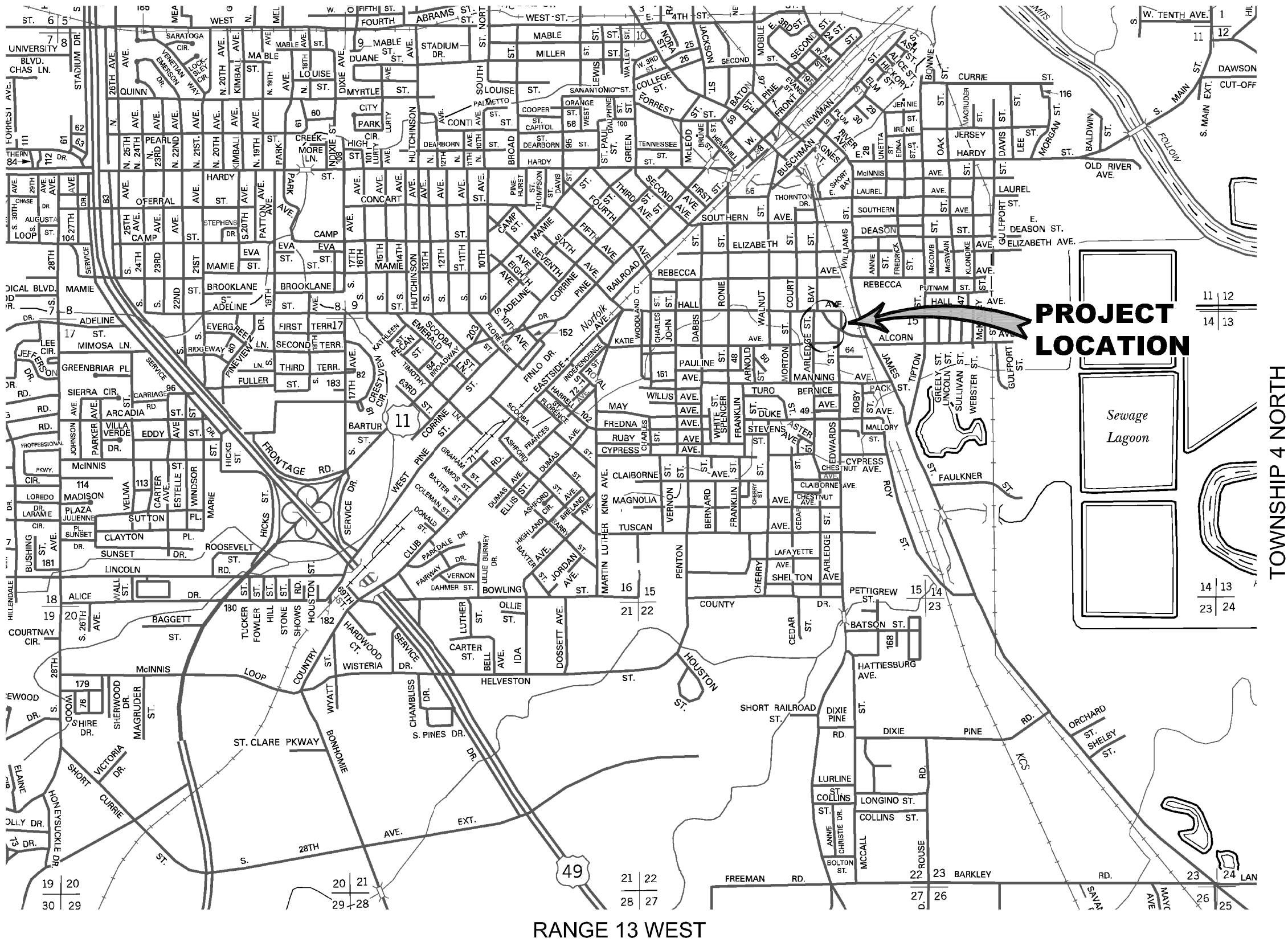
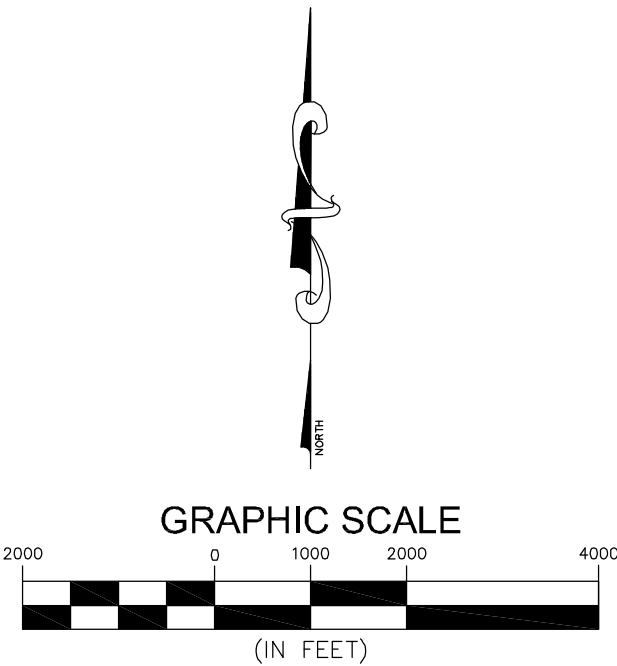
FORREST COUNTY MISSISSIPPI



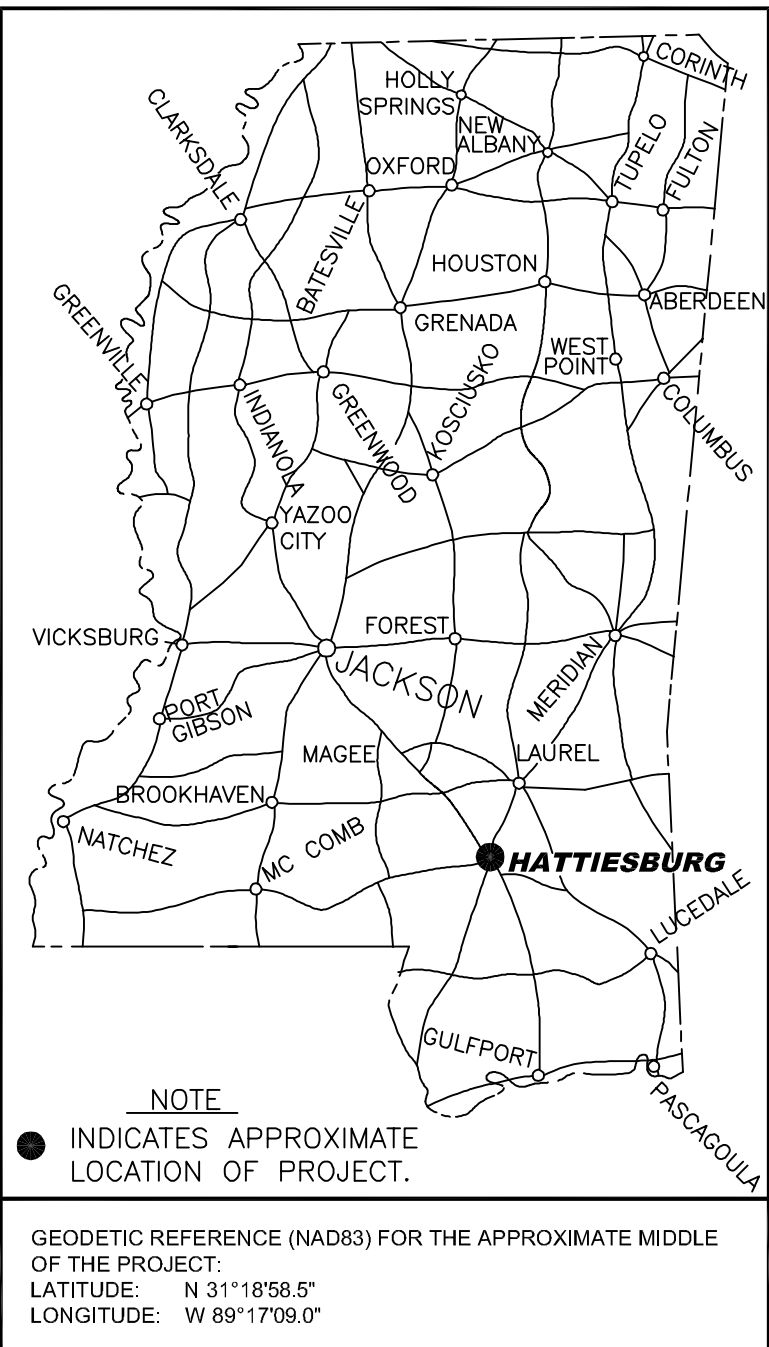
Know what's below.
Call before you dig.

SPECIAL UTILITY NOTES:

- 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)
- THE CONTRACTOR SHALL DOCUMENT THE EXISTENCE OF ANY MISSING AND/OR OVERLAPPING UNDERGROUND UTILITIES AND STORM DRAINAGE NOT SHOWN ON THESE CONSTRUCTION DRAWINGS.

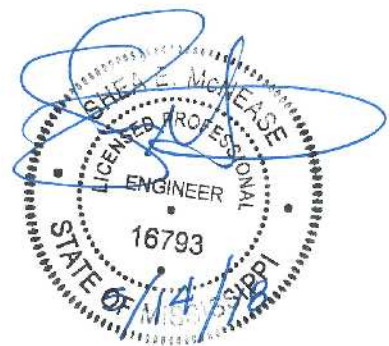


MAY 2018



PUBLIC UTILITIES

CABLE COMCAST 2100 LINCOLN ROAD HATTIESBURG, MS 39402 (601) 264-1188	GAS WILMUT GAS P.O. BOX 1649 HATTIESBURG, MS 39403 (601) 544-6001
POWER MISSISSIPPI POWER, CO. 6356 U.S. HIGHWAY 49 HATTIESBURG, MS 39401 (601) 544-6511	SEWER CITY OF HATTIESBURG WATER & SEWER DEPT. 900 JAMES STREET HATTIESBURG, MS 39403 (601) 545-4530
TELEPHONE AT&T P.O. BOX 1191 HATTIESBURG, MS 39401 (601) 545-6424	WATER CITY OF HATTIESBURG WATER & SEWER DEPT. 900 JAMES STREET HATTIESBURG, MS 39403 (601) 545-4530
TRAFFIC CITY OF HATTIESBURG TRAFFIC DEPT. 125 WALNUT STREET HATTIESBURG, MS 39401 (601) 545-4626	



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:

sdw

Engineering Progress

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

Working No. CVR
Sheet No.
Drawing No.:

NO.	DATE	DESCRIPTION	BY

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 PROJECT 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. GRASSED AREAS SHALL RECEIVE SOLID SOIL 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 DETAILS). ALL CRUSHED AGGREGATE SHALL BE SIZE #10. 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 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 EXCAVATION 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:

- NO PIPE SHALL BE LAID IN THE PRESENCE OF WATER, NO MANHOLE OR WET WELL SHALL BE SET IN THE PRESENCE OF WATER.
- WELL POINTS, IF REQUIRED, SHALL BE INCLUDED IN THE COST OF THE PIPING LAYING OPERATION.
- 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.
- 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.
- 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.
- 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)
- ALL DUCTILE IRON PIPE SHALL BE LOCKING JOINT TYPE AND OF THE SIZE AS NOTED ON THESE PLANS.
- INFILTRATION/EXFILTRATION ON NEWLY INSTALLED SEWER MAIN SHALL BE REQUIRED AS DIRECTED. MANHOLE TESTS SHALL BE REQUIRED ON ALL SEWER MAIN INSTALLED. CONTRACTOR SHALL BE REQUIRED TO PULL A MANHOLE FOR TESTING PURPOSES IN ALL SEWER LINES INSTALLED ON THE PROJECT PRIOR TO FINAL ACCEPTANCE. MANHOLE TEST SHALL BE PERFORMED IN LIVE OR BYPASS PUMPED SEWER AS NECESSARY AT THE DISCRETION OF THE ENGINEER
- ALL MANHOLES SHALL BE 48" IN DIAMETER, WITH ECCENTRIC TOP CONE SECTIONS, UNLESS OTHERWISE NOTED. (SEE PLAN AND PROFILE SHEETS FOR PROPER SIZING)
- 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.
- THE CONTRACTOR SHALL ADHERE TO ALL MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY REQUIREMENTS FOR SANITARY SEWER CONSTRUCTION CONTROL, AND ANY OTHER PERTINENT GUIDELINES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR BY-PASS PUMPING AS REQUIRED BY THE ENGINEER. (NO SEPARATE PAY)
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONNECTING ANY SEWER SERVICE LINES WHICH ARE CUT AND/OR REMOVED DURING THIS PROJECT.
- ALL SERVICE CONNECTIONS SHOWN ON THE PLAN SHEETS SHALL BE CONNECTED TO THE PROPOSED SEWER LINE, UNLESS NOTED OTHERWISE OR DIRECTED BY THE ENGINEER.
- FLEXIBLE COUPLINGS SHALL BE USED ONLY WITH ENGINEER'S APPROVAL.
- 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.
- 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.
- 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.
- 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.
- 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 DISPOSAL (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.
- 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 1/4" OF STANDING WATER SHALL BE REMOVED AND RE-LAID AT THE CONTRACTOR'S EXPENSE.
- ALL BEDDING MATERIAL FOR ALL PIPE SHALL BE ABSORBED IN THE PRICE OF THE PIPE LAYING OPERATION.
- ALL MANHOLES LOCATED IN FLOOD ZONES SHALL HAVE BOLTED LIDS AND FRAMES AS SHOWN ON PLANS.

WATER NOTES

3. 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 0.230" 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 HOPE DR 11, 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 MULTIPLE SMALLER BEND FITTINGS. BENDS SHOWN ON THE PLAN SHEETS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO BIDDING AND CONSTRUCTION. ON 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 SUPERVISION OF THE SYSTEM OPERATOR.
15. ALL BACT-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 SIZE (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.
 - 16.8. ALL NEW WATER METERS SHALL BE BADGER RADIO READ. ALL SERVICE FITTINGS SHALL BE FORD BRAND, ONLY.

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. EXPOSED 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.

ABBREVIATION LEGEND:

AC	– AIR CONDITIONER	HDPE	– HIGH DENSITY POLYETHYLENE	R	– RADIUS
&	– AND	HYD	– HYDRANT	RCAP	– REINFORCED CONCRETE ARCHD PIPE
APPURT	– APPURTENANCES	INCL	– INCLUDING	RCP	– REINFORCED CONCRETE PIPE
ARCH	– ARCHITECTURAL	INV	– INVERT	REQ'D	– REQUIRED
ASPLT	– ASPHALT	IRR	– IRRIGATION	REINF	– REINFORCED
AVE	– AVENUE	JNT	– JOINT	ROW	– RIGHT OF WAY
BLDG	– BUILDING	LF	– LINEAR FEET	S	– SOUTH
CL	– CENTERLINE	LVM	– LOOSE VOLUME MEASURE	SSCO	– SAN SWR CLEAN OUT
CL	– CLASS	LBS	– POUNDS	SAN	– SANITARY
CONC	– CONCRETE	MAT'L	– MATERIAL	SCH	– SCHEDULE
CPP	– CORRUGATED PLASTIC PIPE	MAX	– MAXIMUM	SE	– SOUTHEAST
DIA	– DIAMETER	MH	– MANHOLE	SVC	– SERVICE
DRV	– DRIVE	MIN	– MINIMUM	SDR	– STANDARD DIAMETER RATIO
DI	– DUCTILE IRON	MM	– MILLIMETER	SPECS	– SPECIFICATIONS
E	– EAST	MOD	– MODIFIED	SQ	– SQUARE
ETC	– ET CETERA	N	– NORTH	ST	– STREET
EXIST	– EXISTING	NE	– NORTHEAST	STA	– STATION
EXP	– EXPANSION	NW	– NORTHWEST	SW	– SOUTHWEST
FT	– FEET	NIC	– NOT IN CONTRACT	SWR	– SEWER
FFE	– FINISH FLOOR ELEVATION	No.	– NUMBER	SY	– SQUARE YARD
FL	– FLOW LINE	OC	– ON CENTER	TYP	– TYPICAL
GP	– GROUP	PVMNT	– PAVEMENT	W	– WEST
GRVL	– GRAVEL	PRKG	– PARKING	W/	– WITH
GALV	– GALVANIZED	PIV	– POST INDICATOR VALVE	W/O	– WITHOUT
		PSI	– POUNDS PER SQUARE INCH		
		PVC	– POLYVINYL CHLORIDE PIPE		
		PL	– PROPERTY LINE		

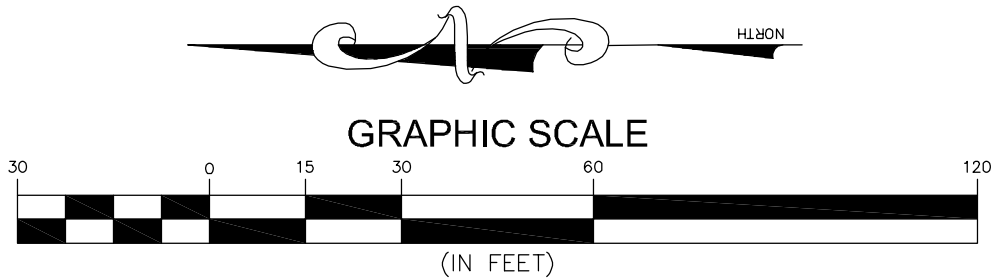
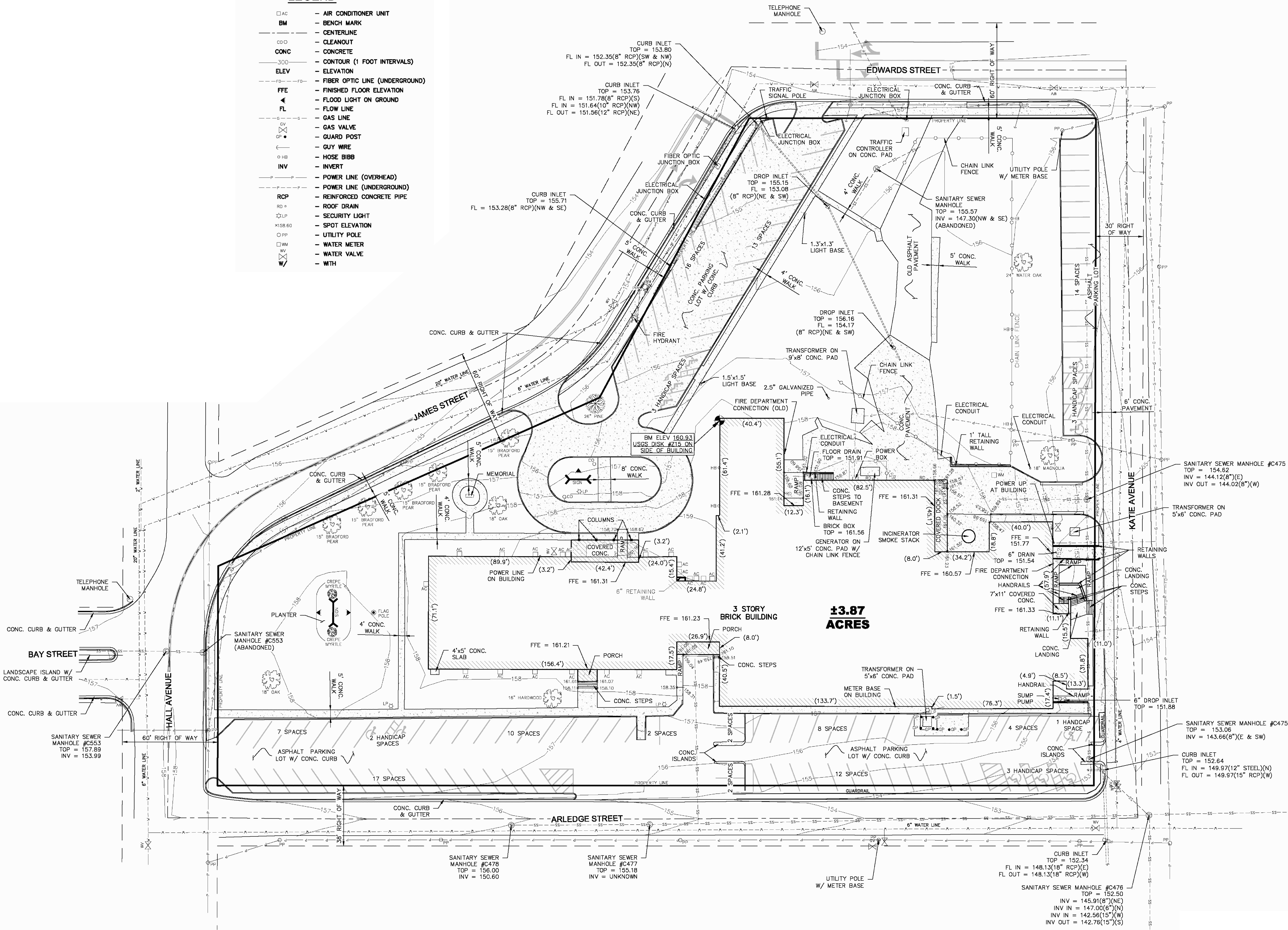
SYMBOL LEGEND:

	- CENTER LINE
	- ELECTRICAL PANEL/BOX
	- FENCE
	- FENCE POST
	- FIBER OPTIC BOX
	- FIBER OPTIC PEDESTAL
	- FIBER OPTIC INDICATOR POST
	- FIRE HYDRANT
	- GAS INDICATOR POST
	- GAS LINE (EXIST)
	- GAS LINE (PROPOSED)
	- GAS METER
	- GAS VALVE
	- GATE POST
	- GENERATOR
	- GUARD POST
	- LIGHT ON POLE
	- PROPERTY LINE
	- SAN SWR CLEAN-OUT
	- SAN SWR LINE (EXIST)
	- SAN SWR LINE (PROPOSED)
	- SAN SWR MANHOLE
	- SIGN
	- SPOT GRADE
	- STORM DRAIN
	- STORM DRAIN MANHOLE
	- TELEPHONE PEDESTAL
	- TRANSFORMER
	- UNDER DRAIN
	- UTILITY LINES (UNDERGROUND)
	- UTILITY LINES (OVERHEAD)
	- UTILITY LINES (OVERHEAD)
	- UTILITY POLE
	- UTILITY POLE
	- UTILITY POLE GUY WIRE
	- UTILITY SERVICE POLE
	- WATER LINE (EXIST)
	- WATER LINE (PROPOSED)
	- WATER METER
	- WATER VALVE

No.	DATE	DESCRIPTION	BY
GENERAL NOTES & LEGENDS			
INFRASTRUCTURE REHABILITATION 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: SEM	Scale: NONE
Date: 05-04-2018		Working No. GN1 _____	
Drawing No.: 11258		Sheet No. 2 _____	

LEGEND

- AC - AIR CONDITIONER UNIT
- BM - BENCH MARK
- CL - CENTERLINE
- CO - CLEANOUT
- CONC - CONCRETE
- CONTOUR (1 FOOT INTERVALS)
- ELEV - ELEVATION
- FO - FIBER OPTIC LINE (UNDERGROUND)
- FFE - FINISHED FLOOR ELEVATION
- FL - FLOOD LIGHT ON GROUND
- FL - FLOW LINE
- FL - GAS LINE
- FL - GAS VALVE
- GP - GUARD POST
- HB - HOSE BIBB
- INV - INVERT
- PO - POWER LINE (OVERHEAD)
- PO - POWER LINE (UNDERGROUND)
- RCP - REINFORCED CONCRETE PIPE
- RD - ROOF DRAIN
- SL - SECURITY LIGHT
- SP - SPOT ELEVATION
- UP - UTILITY POLE
- WM - WATER METER
- WV - WATER VALVE
- W - WITH



NO.	DATE	DESCRIPTION	BY

TOPOGRAPHIC MAP
INFRASTRUCTURE REHABILITATION
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: SEM
Date: 05-04-2018	Working No. TOP01
Drawing No.: 11258	Sheet No. 3

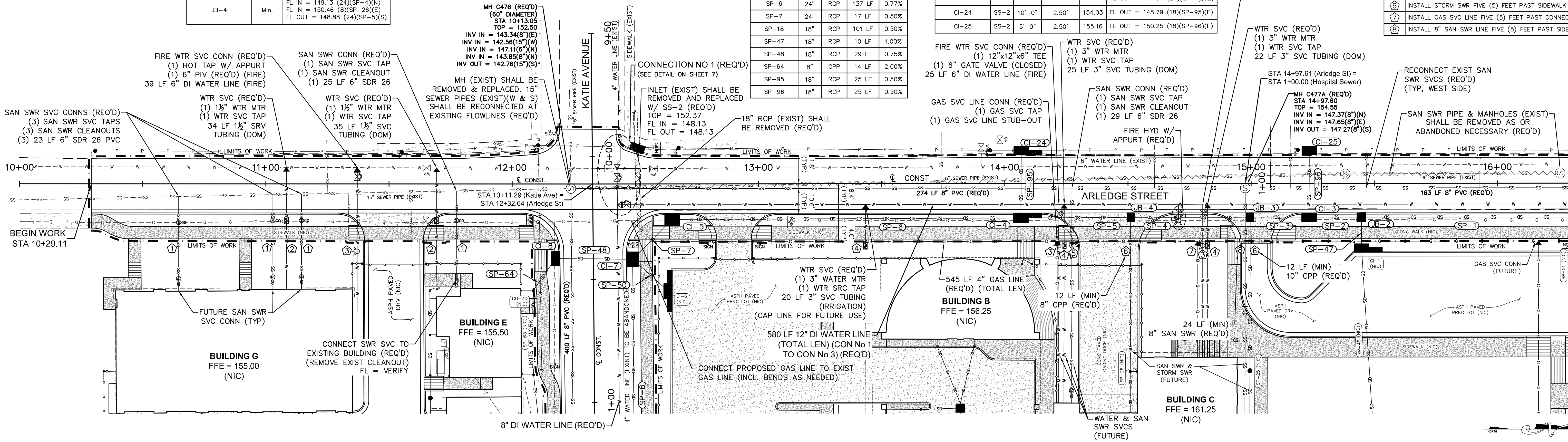
SOURCE INFORMATION:
THE MAP SHOWN HEREON IS BASED ON THE
TOPOGRAPHIC MAP PERFORMED BY SDW
ENGINEERS ON 12-11-2012 (DWG No. 1235-060)

Structure Table		
Structure Name	Height	Inverts
JB-2	Min.	FL IN = 150.56 (18)(SP-1)(N) FL IN = 150.92 (18)(SP-47)(E) FL OUT = 150.35 (18)(SP-2)(S)
JB-3	Min.	FL IN = 149.87 (18)(SP-3)(N) FL IN = 150.54 (10)(SP-25)(E) FL OUT = 149.37 (24)(SP-4)(S)
JB-4	Min.	FL IN = 149.13 (24)(SP-4)(N) FL IN = 150.46 (8)(SP-26)(E) FL OUT = 148.88 (24)(SP-5)(S)

Pipe Table				
Pipe Name	Size	Type	Length	Slope
SP-1	18"	RCP	84 LF	1.00%
SP-2	18"	RCP	18 LF	1.14%
SP-3	18"	RCP	21 LF	1.00%
SP-4	24"	RCP	47 LF	0.50%
SP-5	24"	RCP	42 LF	0.50%
SP-6	24"	RCP	137 LF	0.77%
SP-7	24"	RCP	17 LF	0.50%
SP-18	18"	RCP	101 LF	0.50%
SP-47	18"	RCP	10 LF	1.00%
SP-48	18"	RCP	29 LF	0.75%
SP-64	8"	CPP	14 LF	2.00%
SP-95	18"	RCP	25 LF	0.50%
SP-96	18"	RCP	25 LF	0.50%

Structure Table					
Structure Name	Type	Length	Width (W)	Top	Inverts
CI-3	SS-2	5'-0"	2.50'	155.11	FL IN = 150.11 (18)(SP-2)(N) FL IN = 150.11 (18)(SP-96)(W) FL OUT = 150.11 (18)(SP-3)(S)
CI-4	SS-2	10'-0"	3.00'	153.83	FL IN = 148.66 (24)(SP-5)(N) FL IN = 148.66 (18)(SP-95)(W) FL OUT = 148.66 (24)(SP-6)(S)
CI-5	SS-2	5'-0"	4.00'	152.57	FL IN = 147.57 (24)(SP-6)(N) FL OUT = 147.57 (24)(SP-7)(SE)
CI-24	SS-2	10'-0"	2.50'	154.03	FL OUT = 148.79 (18)(SP-95)(E)
CI-25	SS-2	5'-0"	2.50'	155.16	FL OUT = 150.25 (18)(SP-96)(E)

Improvements Key	
Key	Note
①	INSTALL SAN SWR SVCS FIVE (5) FEET PAST SIDEWALK & CAP
②	INSTALL WTR SVC FIVE (5) FEET PAST SIDEWALK & CAP
③	INSTALL FIRE WTR SVC FIVE (5) FEET PAST SW & CAP
④	INSTALL WTR SVC LINE FIVE (5) FEET PAST MTR & CAP
⑤	INSTALL SAN SWR SVC LINE FIVE (5) FEET PAST CLEANOUT & CAP
⑥	INSTALL STORM SWR FIVE (5) FEET PAST SIDEWALK (MIN) & PLUG
⑦	INSTALL GAS SVC LINE FIVE (5) FEET PAST CONNECTION (MIN)
⑧	INSTALL 8" SAN SWR LINE FIVE (5) FEET PAST SIDEWALK & CAP



GENERAL NOTES:

- ALL SAN SWR SVCS (EXIST) SHALL BE LOCATED PRIOR TO CONSTRUCTION AND CONNECTED TO PROPOSED SEWER MAIN (REQ'D)
- ALL NEW SAN SWR SVCS SHALL BE A 0.50% MIN GRADE
- THE CONTRACTOR SHALL COORDINATE THE RELOCATION OF GAS LINES WITH THE UTILITY OWNER THAT ARE IN CONFLICT WITH CONSTRUCTION OF THE PROPOSED SAN SWR & STORM SWR

INLET & JUNCTION BOX NOTES:

- THE FLOW LINE ELEVATIONS SHOWN IN THESE TABLES ARE PIPE ELEVATIONS. THE CONTRACTOR SHALL MAKE WHATEVER ADJUSTMENTS AND CALCULATIONS NECESSARY TO CONSTRUCT THE STRUCTURES TO THE PROPER INVERT ELEVATIONS. ALL INVERTS SHALL BE GROUTED TO INSURE PROPER FLOW AND PREVENT SEDIMENT AND DEBRIS ACCUMULATION.
- ALL CONCRETE INLETS SHALL HAVE CAST-IN-PLACE TOPS. INLET TOPS & GRATES SHALL BE FORMED AND SET TO MATCH FINISHED GRADES SHOWN ON THE GRADING PLANS. ABSOLUTELY NO PRECAST INLET TOP SECTIONS SHALL BE ALLOWED ON THIS PROJECT.
- CUT SHEETS FOR ALL DRAINAGE STRUCTURES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION. CUT SHEETS SHALL SHOW THE TOP GRADES OF THE STRUCTURE AS WELL AS THE SURROUNDING AREA OF THE STRUCTURE.

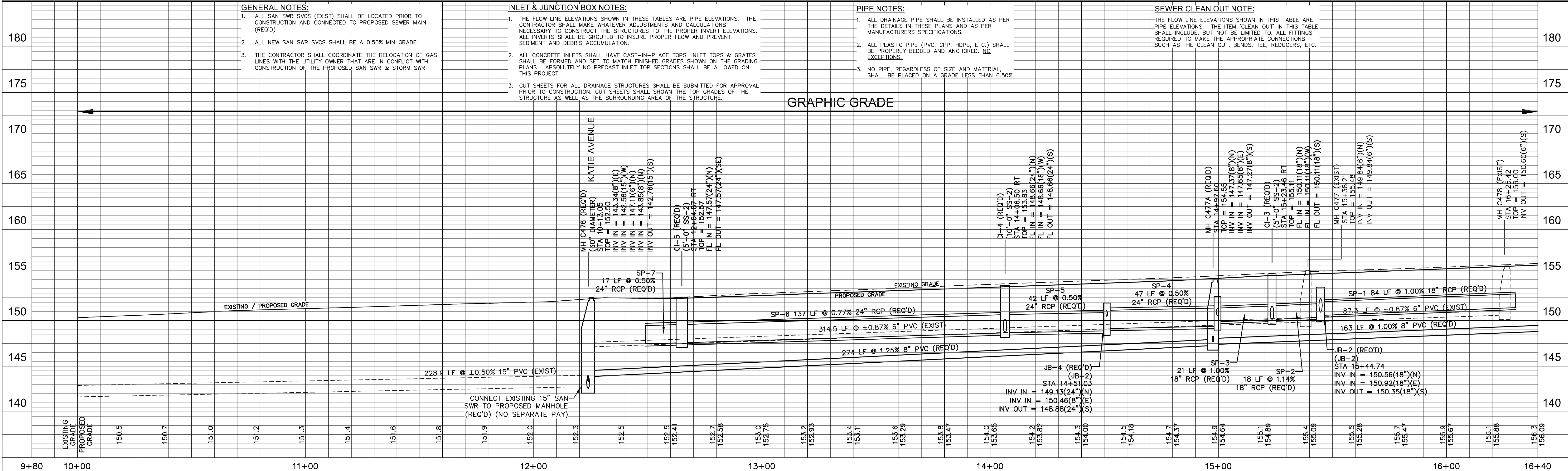
PIPE NOTES:

- ALL DRAINAGE PIPE SHALL BE INSTALLED AS PER THE DETAILS IN THESE PLANS AND AS PER MANUFACTURERS SPECIFICATIONS.
- ALL PLASTIC PIPE (PVC, CPP, HDPE, ETC.) SHALL BE PROPERLY BEDDED AND ANCHORED. NO EXCEPTIONS.
- NO PIPE, REGARDLESS OF SIZE AND MATERIAL, SHALL BE PLACED ON A GRADE LESS THAN 0.50%.

SEWER CLEAN OUT NOTE:

THE FLOW LINE ELEVATIONS SHOWN IN THIS TABLE ARE PIPE ELEVATIONS. THE ITEM CLEAN OUT IN THIS TABLE SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL FITTINGS REQUIRED TO MAKE THE APPROPRIATE CONNECTIONS SUCH AS THE CLEAN OUT, BENDS, TEE, REDUCERS, ETC.

GRAPHIC GRADE



ARLEDGE STREET STA 10+00 - STA 16+40

INFRASTRUCTURE REHABILITATION
HATTIESBURG, MISSISSIPPI

DRAWN BY: BT

DATE: 05-04-2018

CHECKED BY: SEM

SCALE: 1" = 20' H; 1" = 5' V

sdw
Engineering Progress

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DRAWING NO.

11258

WORKING No. PnP 1

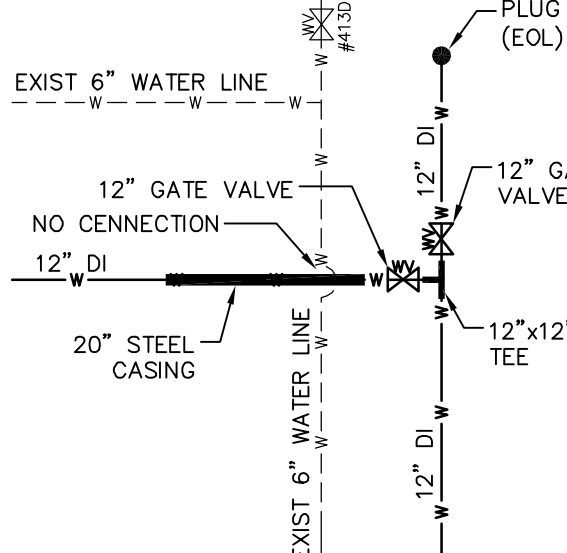
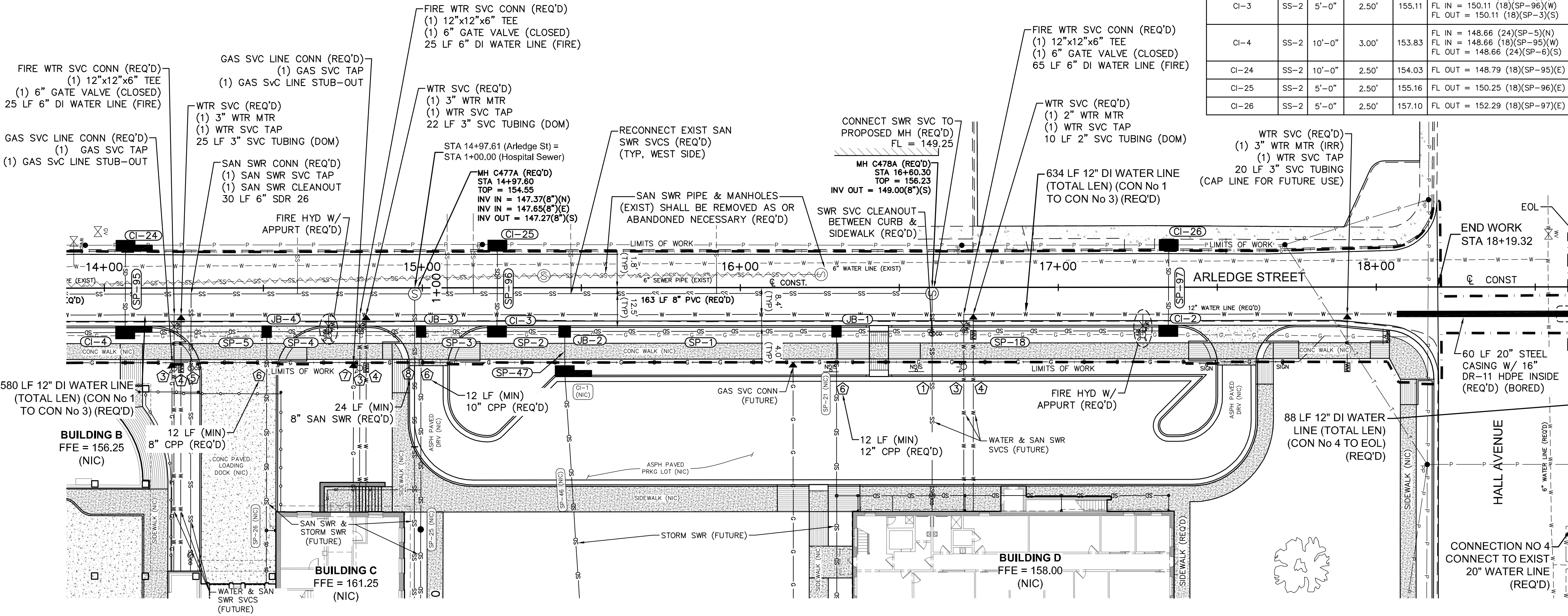
SHEET NO. 5

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Improvements Key	
Key	Note
①	INSTALL SAN SWR SVCS FIVE (5) FEET PAST SIDEWALK & CAP
②	INSTALL WTR SVC FIVE (5) FEET PAST SIDEWALK & CAP
③	INSTALL FIRE WTR SVC FIVE (5) FEET PAST SW & CAP
④	INSTALL WTR SVC LINE FIVE (5) FEET PAST MTR & CAP
⑤	INSTALL SAN SWR SVC LINE FIVE (5) FEET PAST CLEANOUT & CAP
⑥	INSTALL STORM SWR FIVE (5) FEET PAST SIDEWALK (MIN) & PLUG
⑦	INSTALL GAS SVC LINE FIVE (5) FEET PAST CONNECTION (MIN)
⑧	INSTALL 8" SAN SWR LINE FIVE (5) FEET PAST SIDEWALK & CAP

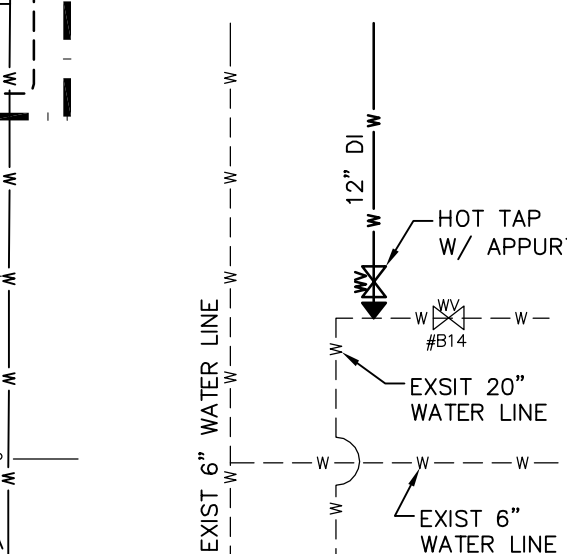
Pipe Table					
Pipe Name	Size	Type	Length	Slope	
SP-1	18"	RCP	84 LF	1.00%	
SP-2	18"	RCP	18 LF	1.14%	
SP-3	18"	RCP	21 LF	1.00%	
SP-4	24"	RCP	47 LF	0.50%	
SP-5	24"	RCP	42 LF	0.50%	
SP-18	18"	RCP	101 LF	0.50%	
SP-95	18"	RCP	25 LF	0.50%	
SP-96	18"	RCP	25 LF	0.50%	
SP-97	18"	RCP	25 LF	0.50%	

Structure Table		
Structure Name	Height	Inverts
JB-1	Min.	FL IN = 151.63 (18)(SP-18)(N) FL IN = 152.13 (12)(SP-21)(E) FL OUT = 151.42 (18)(SP-1)(S)
JB-2	Min.	FL IN = 150.56 (18)(SP-1)(N) FL IN = 150.92 (18)(SP-47)(E) FL OUT = 150.35 (18)(SP-2)(S)
JB-3	Min.	FL IN = 149.87 (18)(SP-3)(N) FL IN = 150.54 (10)(SP-25)(E) FL OUT = 149.37 (24)(SP-4)(S)
JB-4	Min.	FL IN = 149.13 (24)(SP-4)(N) FL IN = 150.46 (8)(SP-26)(E) FL OUT = 148.88 (24)(SP-5)(S)



CONNECTION No 3
(ARLEDGE & HALL WATER CONNECTION)
SCALE: NONE

CONNECTION No 3
CONNECT PROPOSED
12" WATER LINES (REQ'D)



CONNECTION No 4
(ARLEDGE & HALL WATER CONNECTION)
SCALE: NONE

CONNECTION No 4
CONNECT TO EXIST
20" WATER LINE
(REQ'D)

GENERAL NOTES:

- ALL SAN SWR SVCS (EXIST) ON THIS SIDE OF STREET SHALL BE LOCATED PRIOR TO CONSTRUCTION AND CONNECTED TO PROPOSED SEWER MAIN (REQ'D)
- ALL NEW SAN SWR SVCS SHALL BE A 0.50% MIN GRADE
- THE CONTRACTOR SHALL COORDINATE THE RELOCATION OF GAS LINES WITH THE UTILITY OWNER THAT ARE IN CONFLICT WITH CONSTRUCTION OF THE PROPOSED SAN SWR & STORM SWR

INLET & JUNCTION BOX NOTES:

- THE FLOW LINE ELEVATIONS SHOWN IN THESE TABLES ARE PIPE ELEVATIONS. THE CONTRACTOR SHALL MAKE WHATEVER ADJUSTMENTS AND CALCULATIONS NECESSARY TO CONSTRUCT THE STRUCTURES TO THE PROPER INVERT ELEVATIONS. ALL INVERTS SHALL BE GROUTED TO INSURE PROPER FLOW AND PREVENT SEDIMENT AND DEBRIS ACCUMULATION.
- ALL CONCRETE INLETS SHALL HAVE CAST-IN-PLACE TOPS. INLET TOPS & GRATES SHALL BE FORMED AND SET TO MATCH FINISHED GRADES SHOWN ON THE GRADING PLANS. ABSOLUTELY NO PRECAST INLET TOP SECTIONS SHALL BE ALLOWED ON THIS PROJECT.
- CUT SHEETS FOR ALL DRAINAGE STRUCTURES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION. CUT SHEETS SHALL SHOW THE TOP GRADES OF THE STRUCTURE AS WELL AS THE SURROUNDING AREA OF THE STRUCTURE.

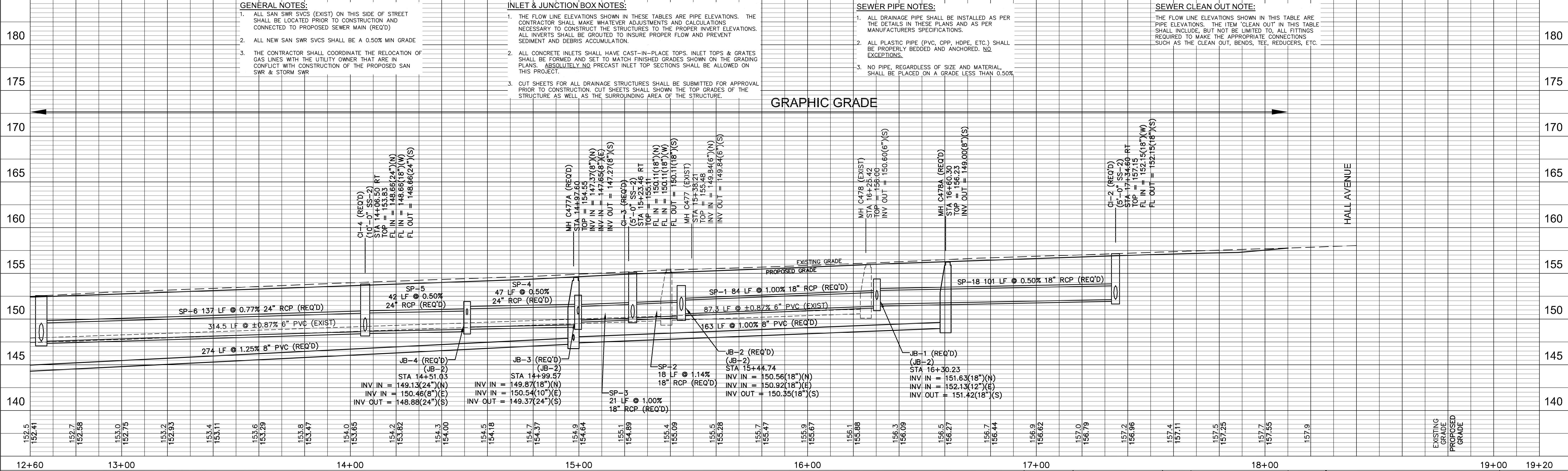
SEWER PIPE NOTES:

- ALL DRAINAGE PIPE SHALL BE INSTALLED AS PER THE DETAILS IN THESE PLANS AND AS PER MANUFACTURERS SPECIFICATIONS.
- ALL PLASTIC PIPE (PVC, CPP, HDPE, ETC.) SHALL BE PROPERLY BEDDED AND ANCHORED. NO EXCEPTIONS.
- NO PIPE, REGARDLESS OF SIZE AND MATERIAL, SHALL BE PLACED ON A GRADE LESS THAN 0.50%.

SEWER CLEAN OUT NOTE:

THE FLOW LINE ELEVATIONS SHOWN IN THIS TABLE ARE PIPE ELEVATIONS. THE ITEM 'CLEAN OUT' IN THIS TABLE SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL FITTINGS REQUIRED TO MAKE THE APPROPRIATE CONNECTIONS SUCH AS THE CLEAN OUT, BENDS, TEE, REDUCERS, ETC.

GRAPHIC GRADE



ARLEDGE STA 12+60 - STA 18+40

INFRASTRUCTURE REHABILITATION
HATTIESBURG, MISSISSIPPI

DRAWN BY: BT
DATE: 05-04-2018
CHECKED BY: SEM

sdw
Engineering Progress

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DRAWING NO.
11258
WORKING No. PnP 2
SHEET NO. 6

G:\PROJECTS\Urban and Associates\15819 - Hattiesburg Public Safety Complex\15819 CAD Files\1258 City CAD\1258 Katie.mxd, Inr 3, 7/14/2018 11:33:01 AM

Structure Table					
Structure Name	Type	Length	Width (W)	Top	Inverts
CI-7	SS-2	5'-0"	4.00'	153.11	FL IN = 147.46 (24)(SP-7)(NW) FL IN = 147.96 (18)(SP-48)(S) FL IN = 148.24 (15)(SP-50)(NE) FL OUT = 146.96 (30)(SP-8)(E)
CI-8	SS-2	5'-0"	2.50'	153.10	FL IN = 149.02 (8)(SP-64)(SE) FL OUT = 148.19 (18)(SP-48)(N)
CI-10	SS-2	5'-0"	3.00'	155.34	FL IN = 149.12 (18)(SP-11)(E) FL IN = 150.03 (18)(SP-49)(S) FL OUT = 149.12 (18)(SP-12)(W)
CI-11	SS-2	10'-0"	3.50'	154.87	FL IN = 145.93 (30)(SP-9)(W) FL IN = 147.21 (18)(SP-12)(E) FL OUT = 145.93 (44)(SP-10)(S)

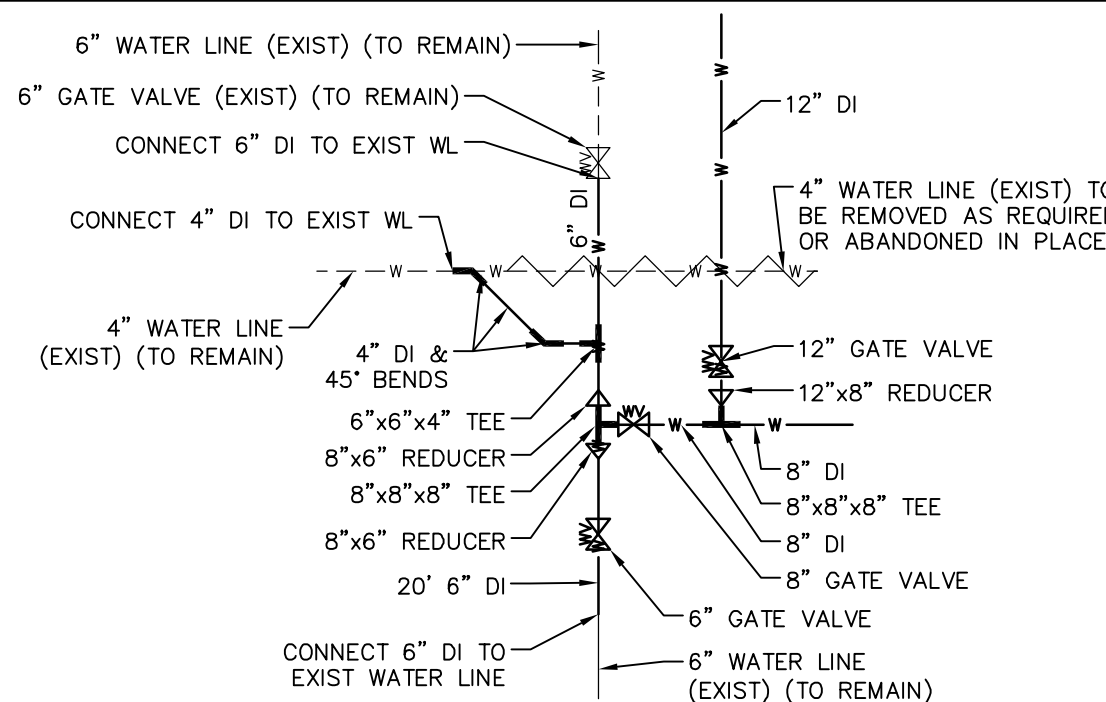
Structure Table					
Structure Name	Type	Length	Width (W)	Top	Inverts
CI-12	SS-2	5'-0"	2.50'	155.34	FL OUT = 150.34 (18)(SP-49)(N)
CI-14	SS-2	10'-0"	2.50'	156.83	FL IN = 145.79 (44)(SP-65)(S) FL OUT = 145.79 (44)(SP-66)(S)

Structure Table		
Structure Name	Height	Inverts
JB-6	Min.	FL IN = 146.41 (30)(SP-8)(W) FL IN = 147.22 (24)(SP-17)(N) FL OUT = 146.41 (30)(SP-9)(E)

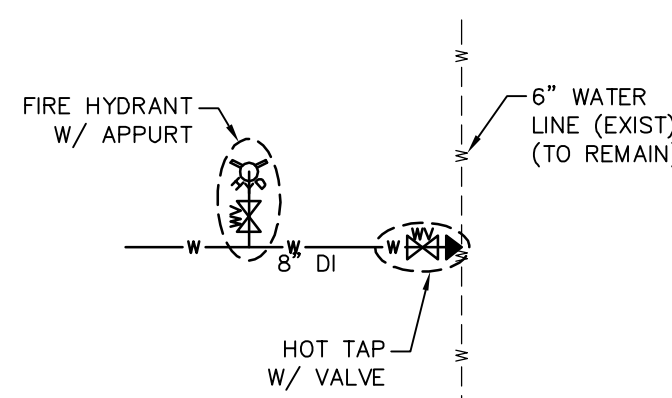
Pipe Table					
Pipe Name	Size	Type	Length	Slope	
SP-7	24"	RCP	17 LF	0.50%	
SP-8	30"	RCP	107 LF	0.50%	
SP-9	30"	RCP	91 LF	0.50%	
SP-11	18"	RCP	70 LF	1.00%	
SP-12	18"	RCP	91 LF	2.00%	
SP-17	24"	RCP	11 LF	2.00%	
SP-48	18"	RCP	29 LF	0.75%	
SP-49	18"	RCP	29 LF	1.00%	
SP-50	15"	RCP	15 LF	1.00%	
SP-64	8"	CPP	14 LF	2.00%	

Pipe Table					
Pipe Name	Size	Type	Length	Slope	
SP-10	44"x27"	RCAP	30 LF	0.50%	
SP-66	44"x27"	RCAP	74 LF	0.50%	

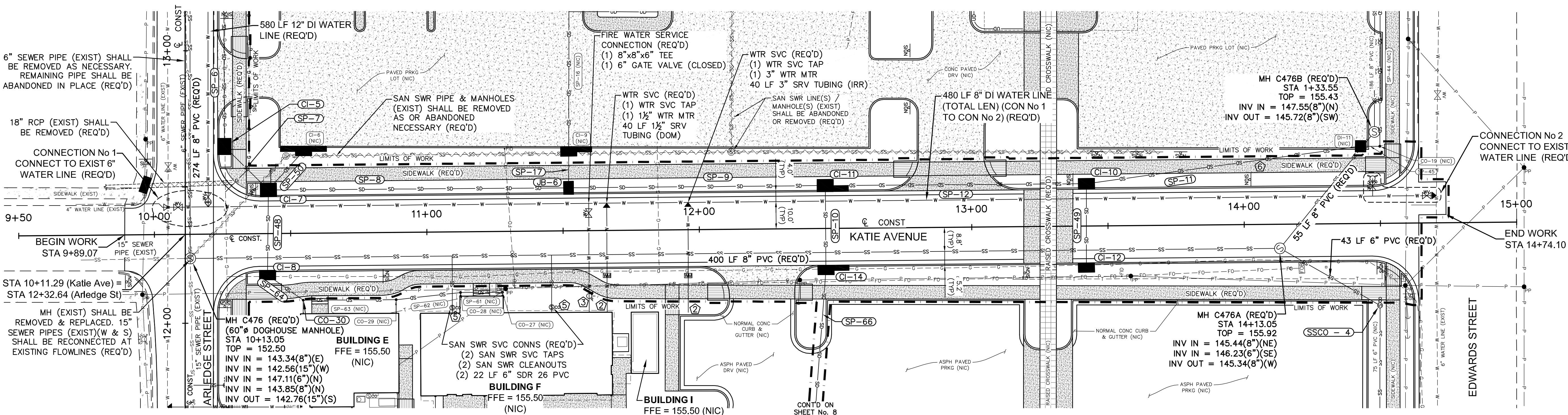
Improvements Key	
Key	Note
1	INSTALL SAN SWR SVCS FIVE (5) FEET PAST SIDEWALK & CAP
2	INSTALL WTR SVC FIVE (5) FEET PAST SIDEWALK & CAP
3	INSTALL FIRE WTR SVC FIVE (5) FEET PAST SW & CAP
4	INSTALL WTR SVC LINE FIVE (5) FEET PAST MTR & CAP
5	INSTALL SAN SWR SVC LINE FIVE (5) FEET PAST CLEANOUT & CAP
6	INSTALL STORM SWR FIVE (5) FEET PAST SIDEWALK (MIN) & PLUG
7	INSTALL GAS SVC LINE FIVE (5) FEET PAST CONNECTION (MIN)
8	INSTALL 8" SAN SWR LINE FIVE (5) FEET PAST SIDEWALK & CAP



CONNECTION No 1
(KATIE & ARLEDGE WATER CONNECTION)
SCALE: NONE



CONNECTION No 2
(KATIE & ARLEDGE WATER CONNECTION)
SCALE: NONE



GENERAL NOTES:

- ALL SAN SWR SVCS (EXIST) SHALL BE LOCATED PRIOR TO CONSTRUCTION AND CONNECTED TO PROPOSED SEWER MAIN (REQ'D)
- ALL NEW SAN SWR SVCS SHALL BE A 0.50% MIN GRADE
- THE CONTRACTOR SHALL COORDINATE THE RELOCATION OF GAS LINES WITH THE UTILITY OWNER THAT ARE IN CONFLICT WITH CONSTRUCTION OF THE PROPOSED SAN SWR & STORM SWR

INLET & JUNCTION BOX NOTES:

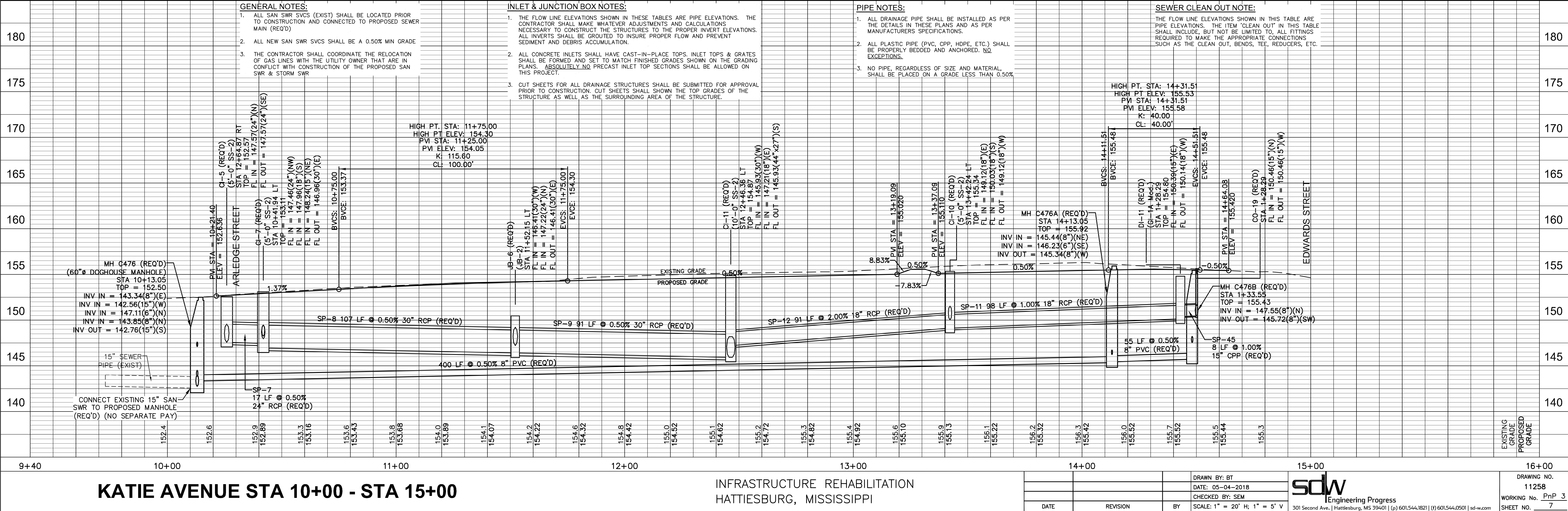
- THE FLOW LINE ELEVATIONS SHOWN IN THESE TABLES ARE PIPE ELEVATIONS. THE CONTRACTOR SHALL MAKE WHATEVER ADJUSTMENTS AND CALCULATIONS NECESSARY TO CONSTRUCT THE STRUCTURES TO THE PROPER INVERT ELEVATIONS. ALL INVERTS SHALL BE GROUTED TO INSURE PROPER FLOW AND PREVENT SEDIMENT AND DEBRIS ACCUMULATION.
- ALL CONCRETE INLETS SHALL HAVE CAST-IN-PLACE TOPS. INLET TOPS & GRATES SHALL BE FORMED AND SET TO MATCH FINISHED GRADES SHOWN ON THE GRADING PLANS. ABSOLUTELY NO PRECAST INLET TOP SECTIONS SHALL BE ALLOWED ON THIS PROJECT.
- CUT SHEETS FOR ALL DRAINAGE STRUCTURES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION. CUT SHEETS SHALL SHOW THE TOP GRADES OF THE STRUCTURE AS WELL AS THE SURROUNDING AREA OF THE STRUCTURE.

PIPE NOTES:

- ALL DRAINAGE PIPE SHALL BE INSTALLED AS PER THE DETAILS IN THESE PLANS AND AS PER MANUFACTURERS SPECIFICATIONS.
- ALL PLASTIC PIPE (PVC, CPP, HDPE, ETC.) SHALL BE PROPERLY BEDDED AND ANCHORED. I.D. EXCEPTIONS.
- NO PIPE, REGARDLESS OF SIZE AND MATERIAL, SHALL BE PLACED ON A GRADE LESS THAN 0.50%.

SEWER CLEAN OUT NOTE:

THE FLOW LINE ELEVATIONS SHOWN IN THIS TABLE ARE PIPE ELEVATIONS. THE ITEM 'CLEAN OUT' IN THIS TABLE SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL FITTINGS REQUIRED TO MAKE THE APPROPRIATE CONNECTIONS SUCH AS THE CLEAN OUT, BENDS, TEE, REDUCERS, ETC.



KATIE AVENUE STA 10+00 - STA 15+00

INFRASTRUCTURE REHABILITATION
HATTIESBURG, MISSISSIPPI

DRAWN BY: BT

DATE: 05-04-2018

CHECKED BY: SEM

SCALE: 1" = 20' H; 1" = 5' V

sdw

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DRAWING NO.

11258

WORKING No. PnP 3

SHEET NO. 7

Structure Table					
Structure Name	Type	Length	Width (W)	Top	Inverts
CI-14	SS-2	10'-0"	2.50'	156.93	FL IN = 145.79 (44)(SP-65)(N) FL OUT = 145.79 (44)(SP-66)(S)
CI-15	SS-2	10'-0"	2.50'	154.78	FL IN = 145.42 (44)(SP-66)(N) FL OUT = 145.09 (51)(SP-67)(S)
CI-16	SS-2	15'-0"	2.50'	153.80	FL IN = 144.67 (51)(SP-67)(N) FL OUT = 144.67 (51)(SP-68)(S)
CI-18	SS-2	10'-0"	2.50'	151.25	FL IN = 143.93 (51)(SP-69)(N) FL OUT = 143.93 (51)(SP-70)(S)

Structure Table		
Structure Name	Height	Inverts
JB-7	Min.	FL IN = 144.47 (51)(SP-68)(N) FL IN = 145.80 (15)(SP-71)(W) FL OUT = 144.47 (51)(SP-69)(S)

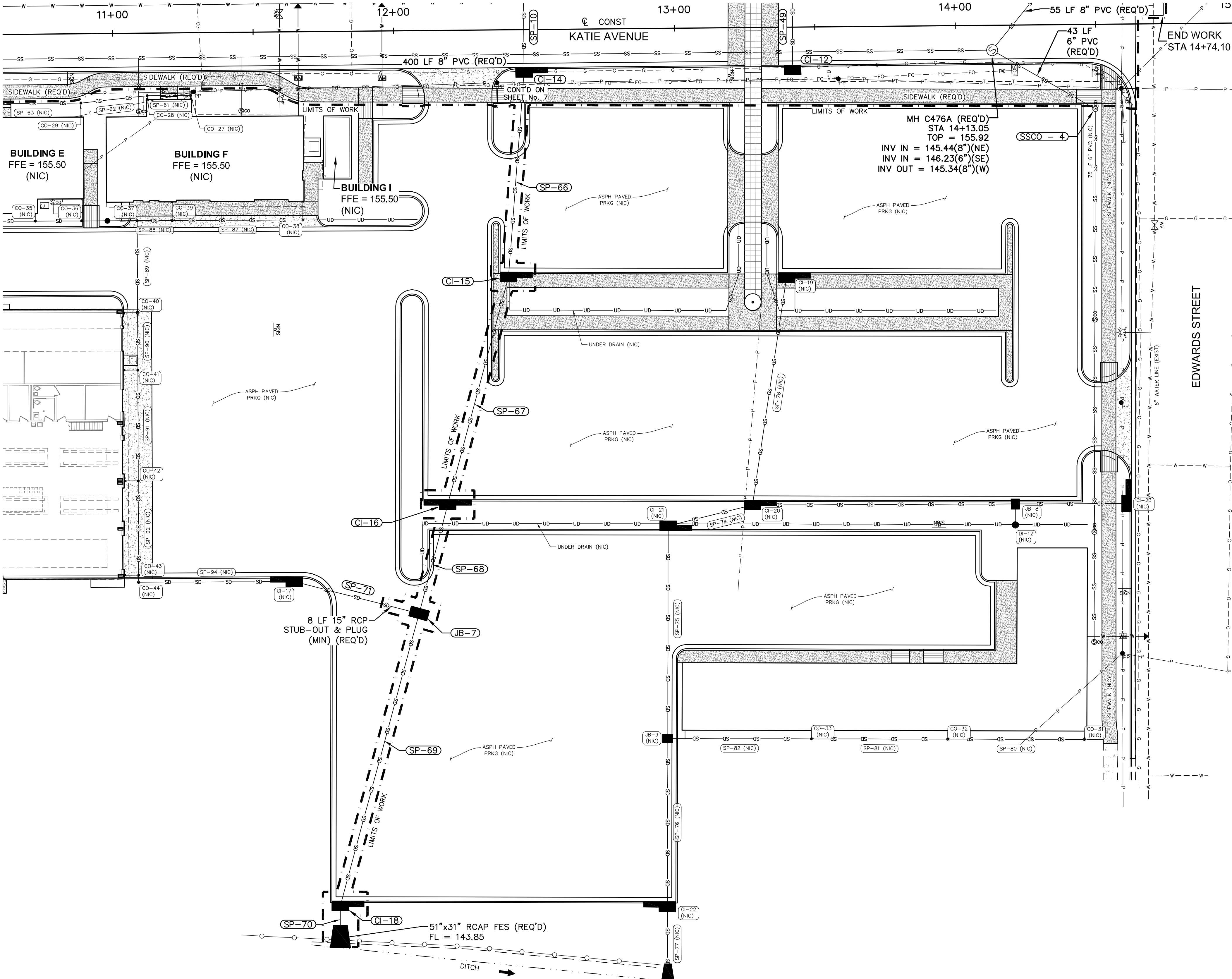
Pipe Table				
Pipe Name	Size	Type	Length	Slope
SP-10	44"x27"	RCAP	30 LF	0.50%
SP-66	44"x27"	RCAP	74 LF	0.50%
SP-67	51"x31"	RCAP	84 LF	0.50%
SP-68	51"x31"	RCAP	41 LF	0.50%
SP-69	51"x31"	RCAP	108 LF	0.50%
SP-70	51"x31"	RCAP	15 LF	0.50%

INLET & JUNCTION BOX NOTES:

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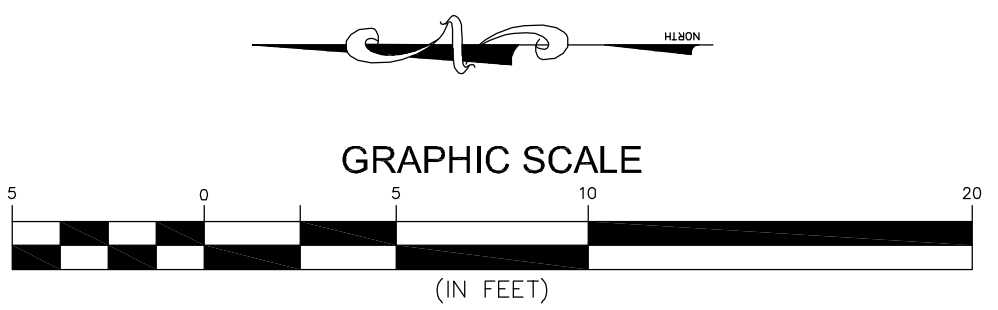
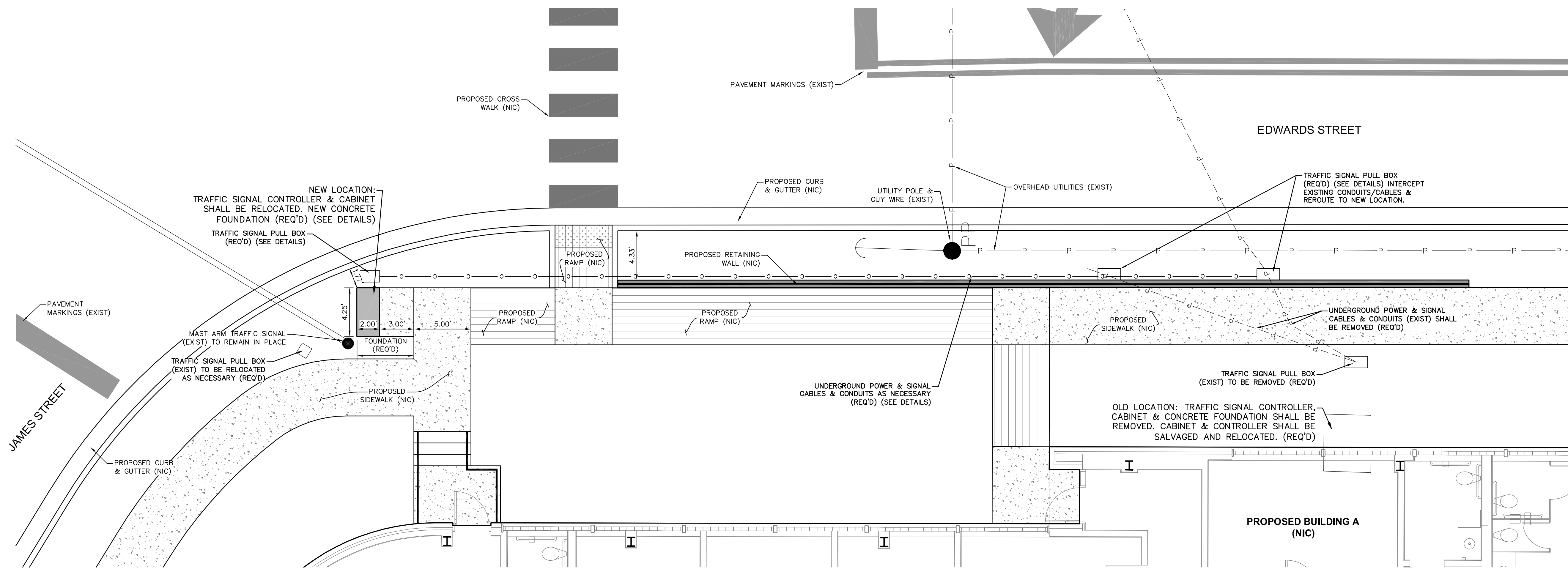
PIPE NOTES:

- ALL DRAINAGE PIPE SHALL BE INSTALLED AS PER THE DETAILS IN THESE PLANS AND AS PER MANUFACTURERS SPECIFICATIONS.
- ALL PLASTIC PIPE (PVC, CPP, HDPE, ETC.) SHALL BE PROPERLY BEDDED AND ANCHORED. NO EXCEPTIONS.
- NO PIPE, REGARDLESS OF SIZE AND MATERIAL, SHALL BE PLACED ON A GRADE LESS THAN 0.50%.



NO.	DATE	DESCRIPTION	BY
KATIE AVENUE STORM DISCHARGE PLAN			
INFRASTRUCTURE REHABILITATION 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: SEM	Scale: 1" = 20'	
Date: 03/05/2018	Working No. PLN1		
Drawing No.: 11258	Sheet No. 8		

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NO.	DATE	DESCRIPTION	BY

TRAFFIC SIGNAL RELOCATION PLAN

INFRASTRUCTURE REHABILITATION
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

sdw
Engineering Progress

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Drawn by: RES\BT	Checked by: SEM	Scale: 1" = 5'
Date: 05-04-2018	Working No. TS1	
Drawing No.: 11258	Sheet No. 9	

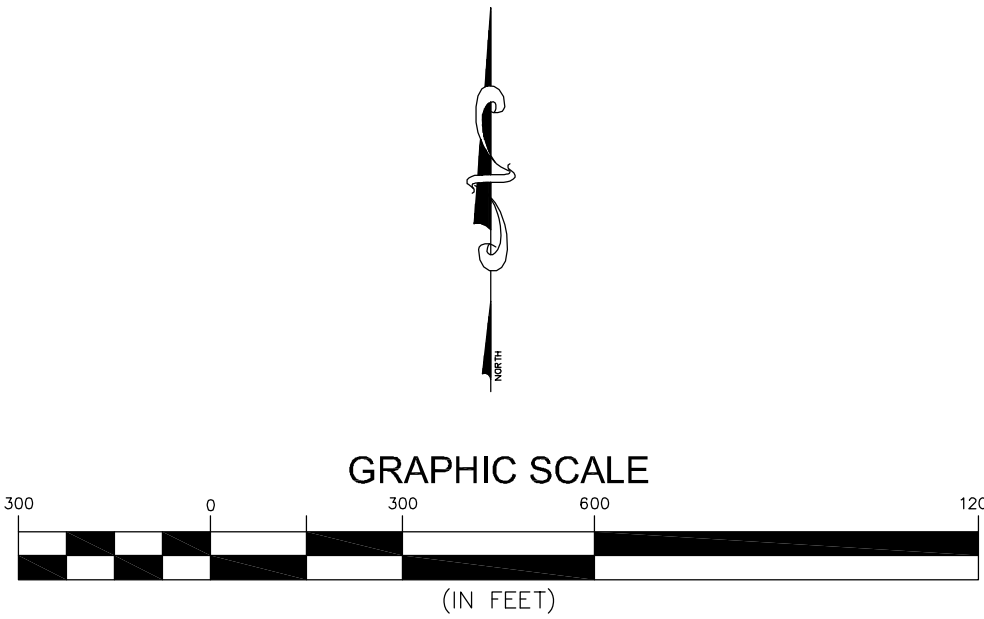
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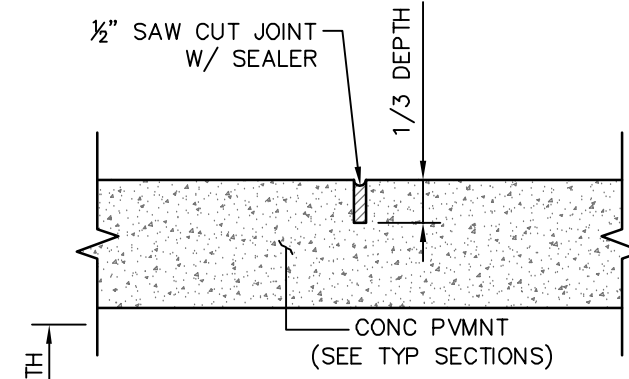
SIGN SCHEDULE			
NOTE	SIZE	SIGN No.	REMARKS
1	30"x24"	M4-9	DETOUR
2	30"x24"	M4-9BL	DETOUR TURN LEFT
3	30"x24"	M4-9BR	DETOUR TURN RIGHT
4	36"x36"	W20-1	ADVANCED ROAD WORK AHEAD
5	36"x36"	W20-2	ADVANCED DETOUR AHEAD
6	30"x6"	SD-1	ARLEDGE ST
7	30"x6"	SD-2	KATIE AVE
8	60"x30"	R11-4	ROAD CLOSED TO THRU TRAFFIC, MOUNTED ON TYPE III BARRICADE, DOUBLE FACED, 24 FT WIDE
9	36"x36"	R1-1	MOUNTED TO REAR OF BARRICADE

SPECIAL TRAFFIC CONTROL NOTES:

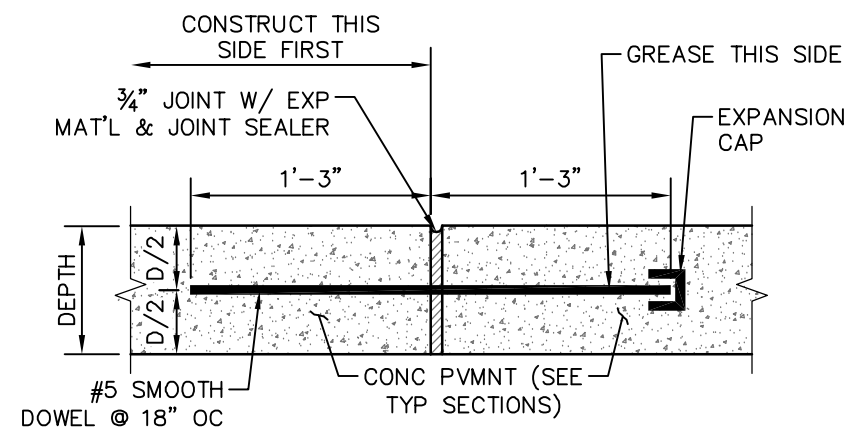
1. HALL AVENUE, JAMES STREET & EDWARDS STREET SHALL REMAIN OPEN AT ALL TIMES, EXCEPT FOR MINIMAL TEMPORARY LANE CLOSURES FOR WORK NOTED ON THE PLAN SHEETS.
2. ALL CONSTRUCTION DETOUR SIGNS AND BARRICADES SHALL BE REMOVED UPON PLACEMENT OF BASE COURSE ASPHALT.
3. ALL REMAINING CONSTRUCTION SIGNS SHALL BE REMOVED UPON COMPLETION OF THE PROJECT BUT PRIOR TO FINAL ACCEPTANCE.



NO.	DATE	DESCRIPTION	BY
TRAFFIC CONTROL PLAN			
INFRASTRUCTURE REHABILITATION 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		Checked by: SEM	Scale: AS NOTED
Date: 05-04-2018		Working No. <u> TCP 1 </u>	
Drawing No.: 11258		Sheet No. <u> 10 </u>	

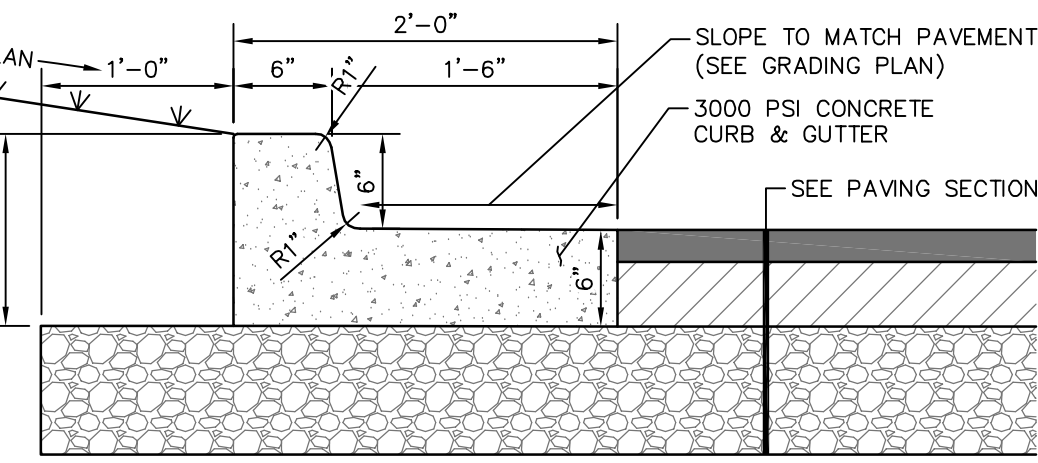


CONTROL JOINT



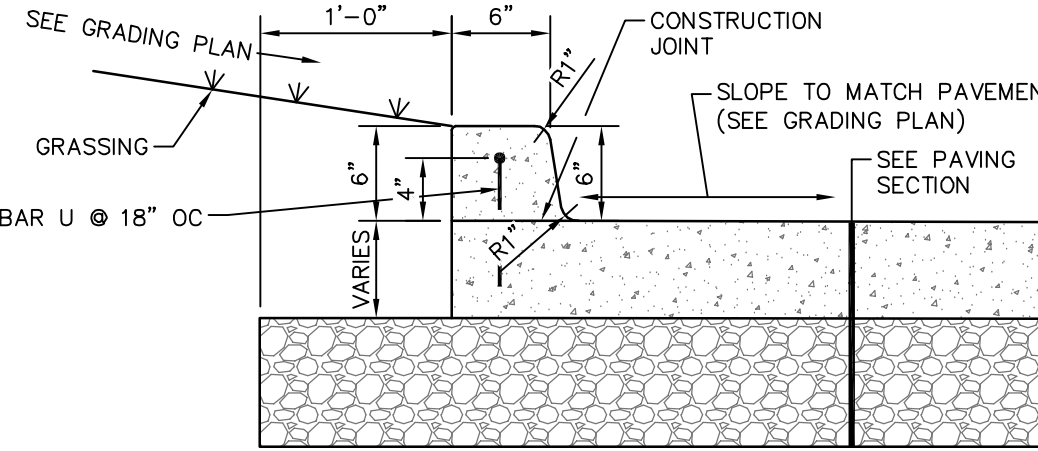
EXPANSION JOINT

TYPICAL PAVEMENT JOINT DETAILS
NOT TO SCALE



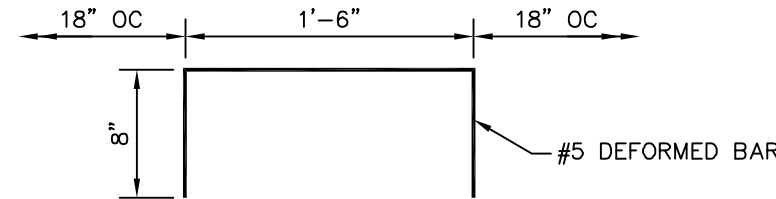
TYPICAL CONCRETE CURB & GUTTER SECTION DETAIL

SCALE: 1" = 1'



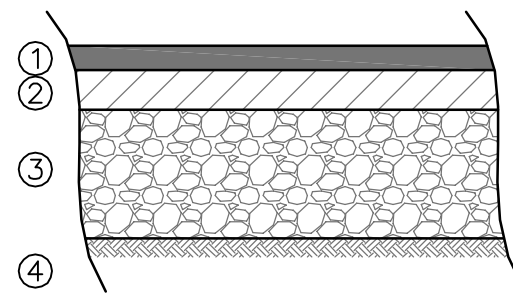
TYPICAL CONCRETE INTEGRAL CURB SECTION DETAIL

SCALE: 1" = 1'



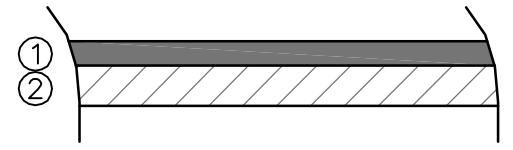
BAR U

SCALE: NONE



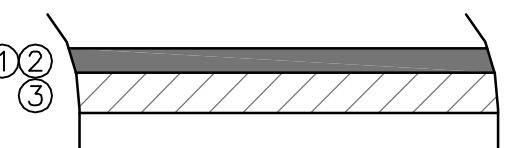
- 1 1/2" 9.5mm HOT BITUMINOUS ASPHALT (1 @ 1 1/2" LIFTS)
- 4 1/2" 19mm HOT BITUMINOUS ASPHALT (2 @ 2 1/4" LIFTS)
- 8" DEPTH GRANULAR MATERIAL (CL 9, GP B) COMPACTED TO 98%
- EXISTING SUBGRADE COMPACTED TO 95%

ASPHALT ROADWAY



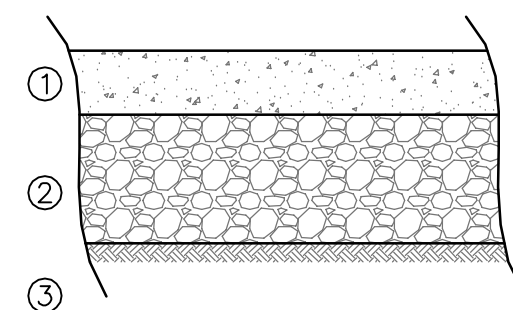
- 1 1/2" 9.5mm HOT BITUMINOUS ASPHALT (1 @ 1 1/2" LIFTS)
- EXISTING SURFACE SHALL BE CLEANED AND TREATED WITH SINGLE BITUMINOUS SURFACE TREATMENT (AGGREGATE SIZE 89)

ASPHALT OVERLAY



- 2" 9.5mm HOT BITUMINOUS ASPHALT (2 @ 1" LIFTS)
- VARIABLE DEPTH LEVELING HOT BITUMINOUS ASPHALT
- 1 1/2" & VARIABLE DEPTH MILLING

ASPHALT MILL & OVERLAY



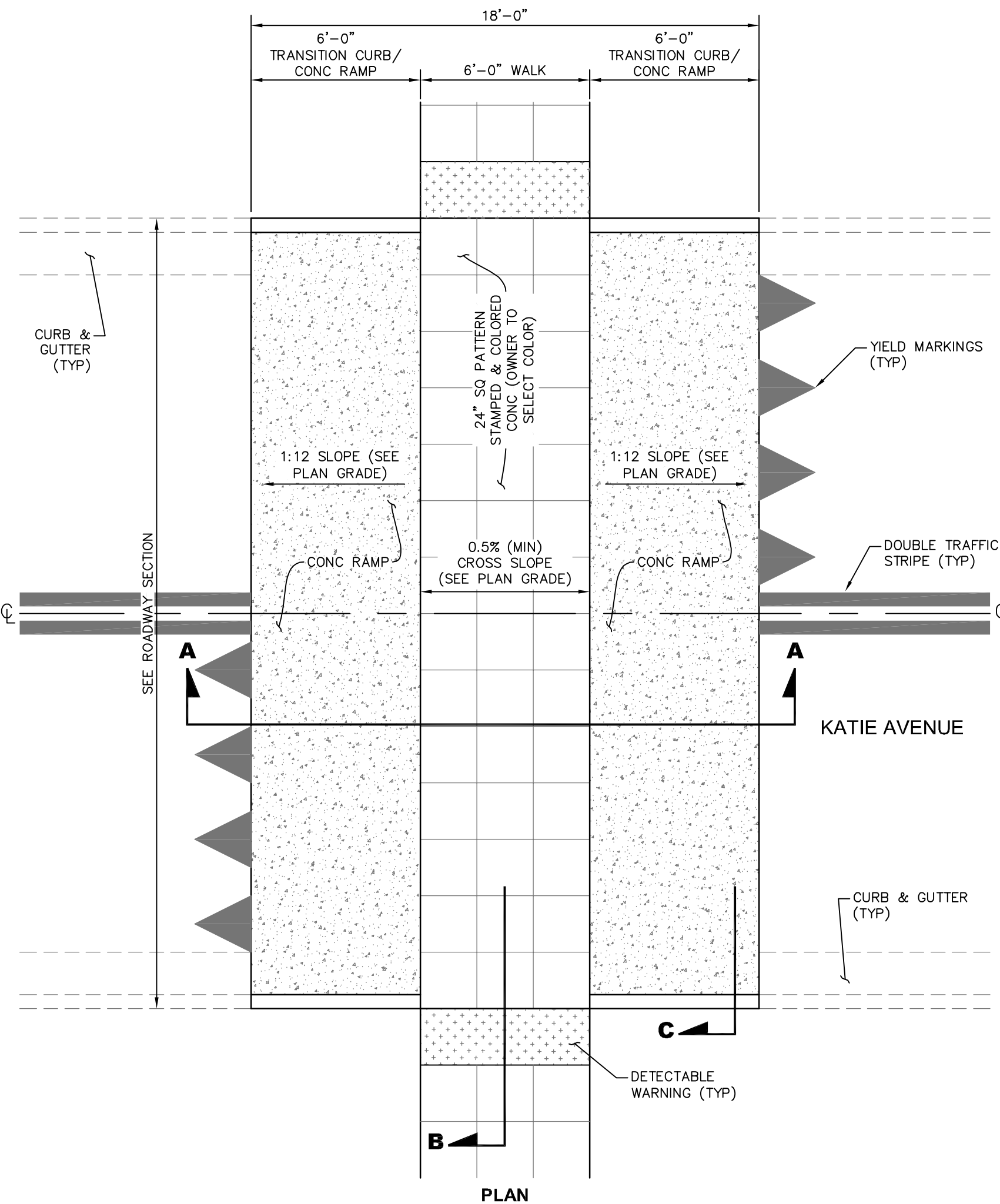
- 7" DEPTH NON-REINFORCED 3500 PSI CONCRETE
- 8" DEPTH GRANULAR MATERIAL (CL 9, GP B) COMPACTED TO 98%
- EXISTING SUBGRADE COMPACTED TO 95%

CONCRETE DRIVE & CROSS WALK

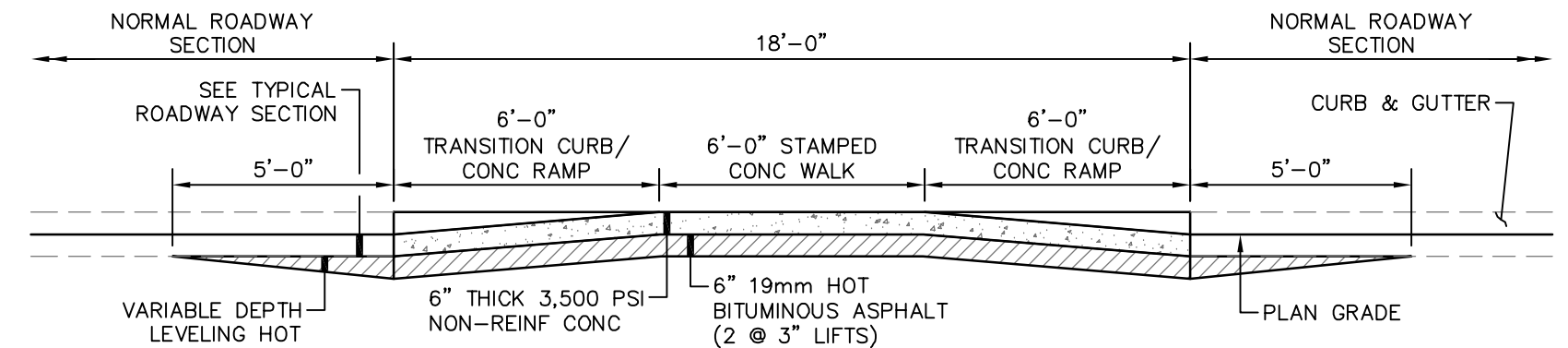
COMPACTION NOTE:
ALL COMPACTION NOTED IN THE PAVING SECTIONS
HEREON SHALL BE TO STANDARD PROCTOR

TYPICAL PAVEMENT SECTIONS

NOT TO SCALE



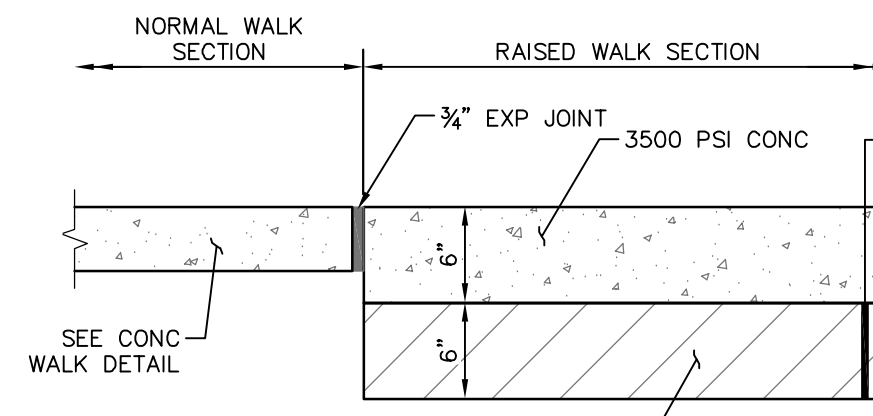
PLAN



SECTION 'A-A'

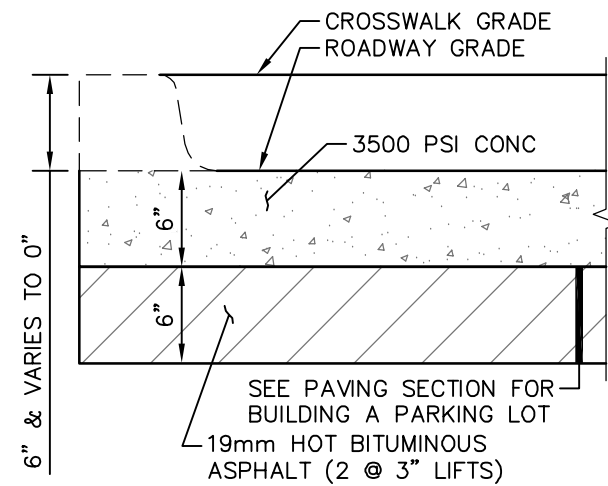
RAISED CROSSWALK DETAIL FOR KATIE AVE

SCALE: 1" = 4'



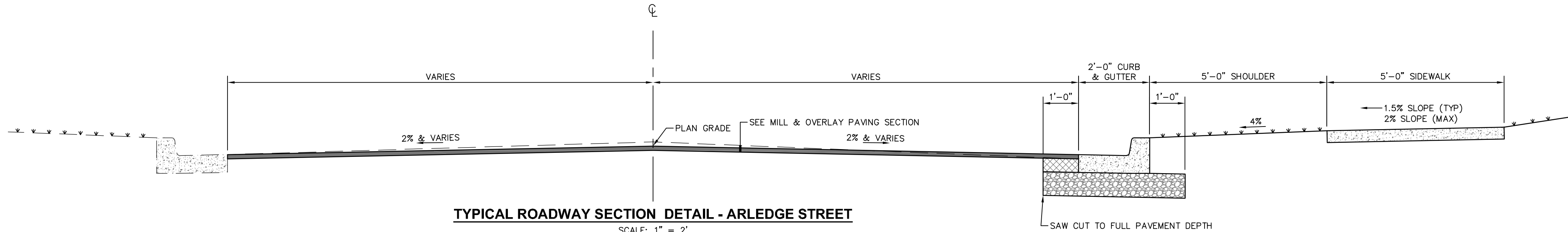
SECTION B-B

SCALE: NONE



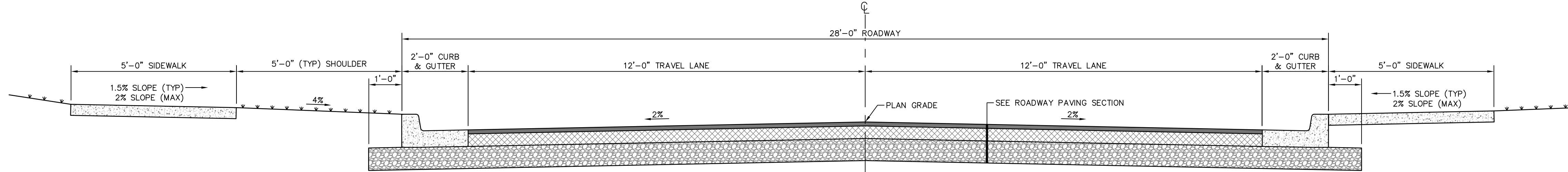
SECTION C-C

SCALE: NONE



TYPICAL ROADWAY SECTION DETAIL - ARLEDGE STREET

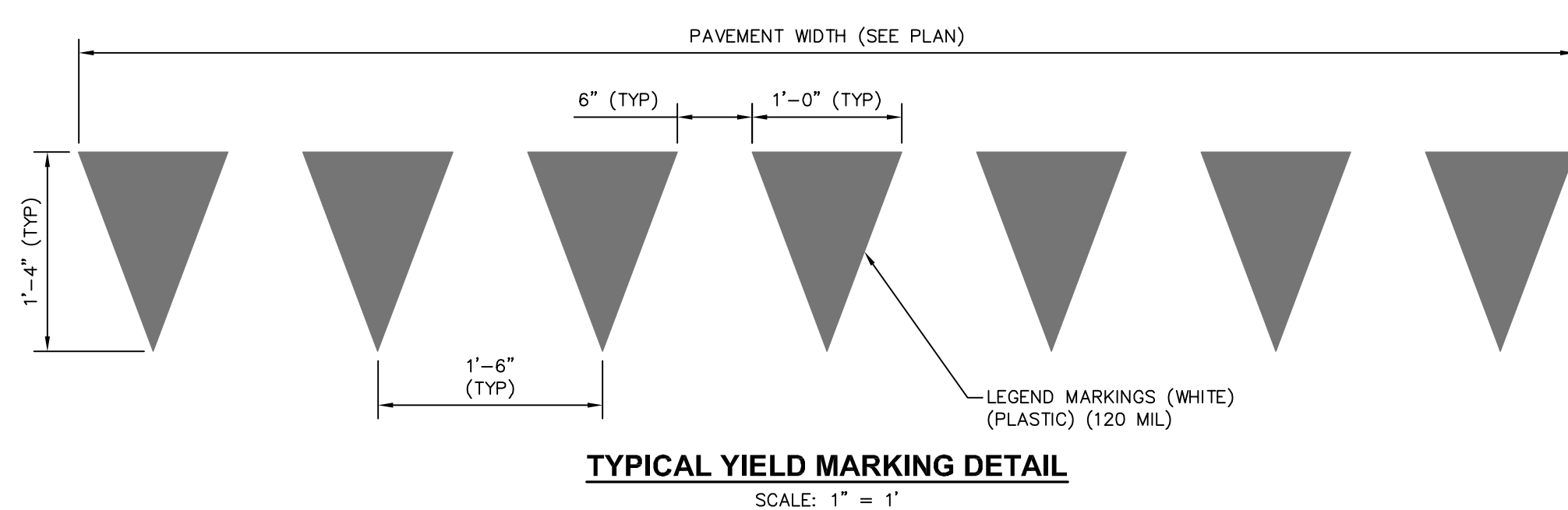
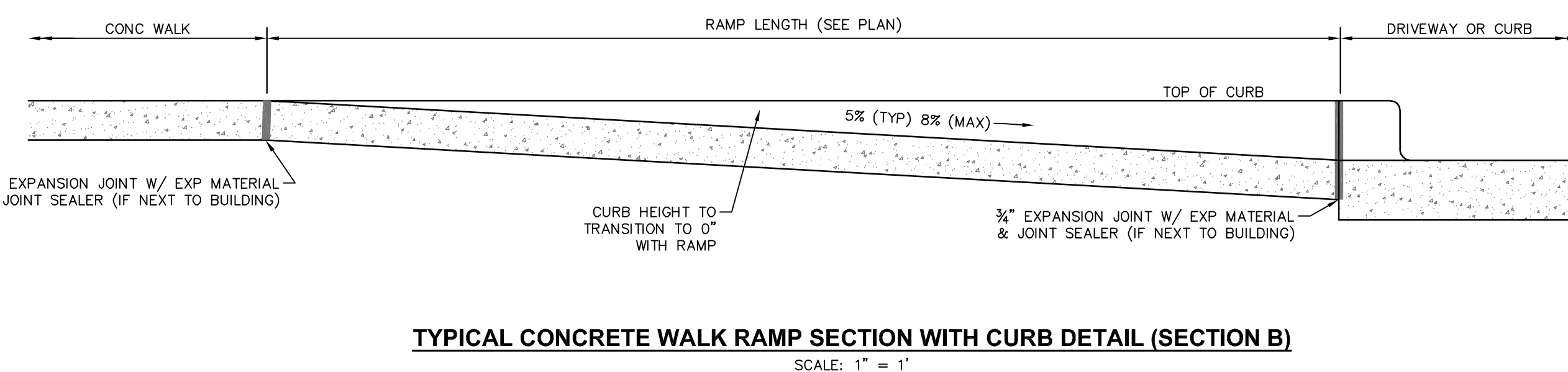
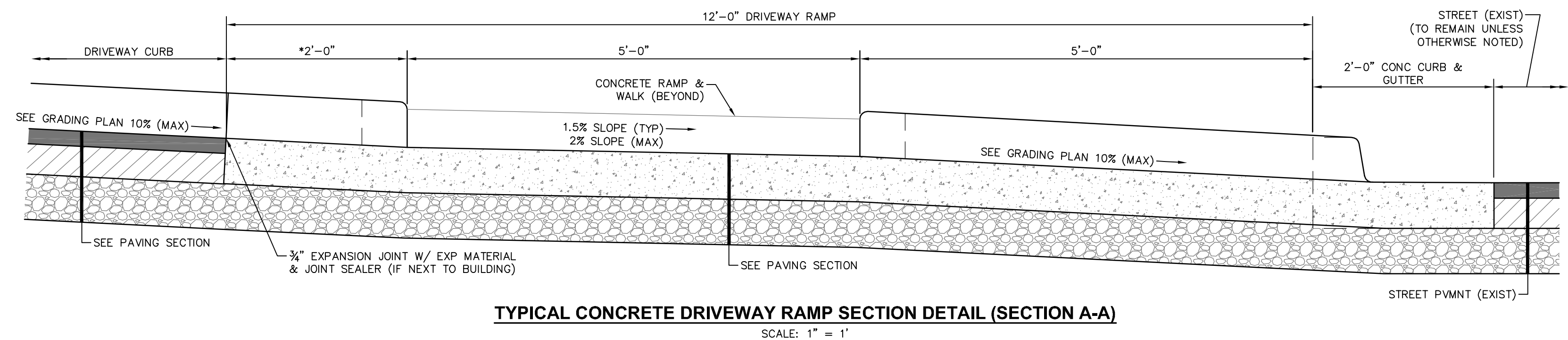
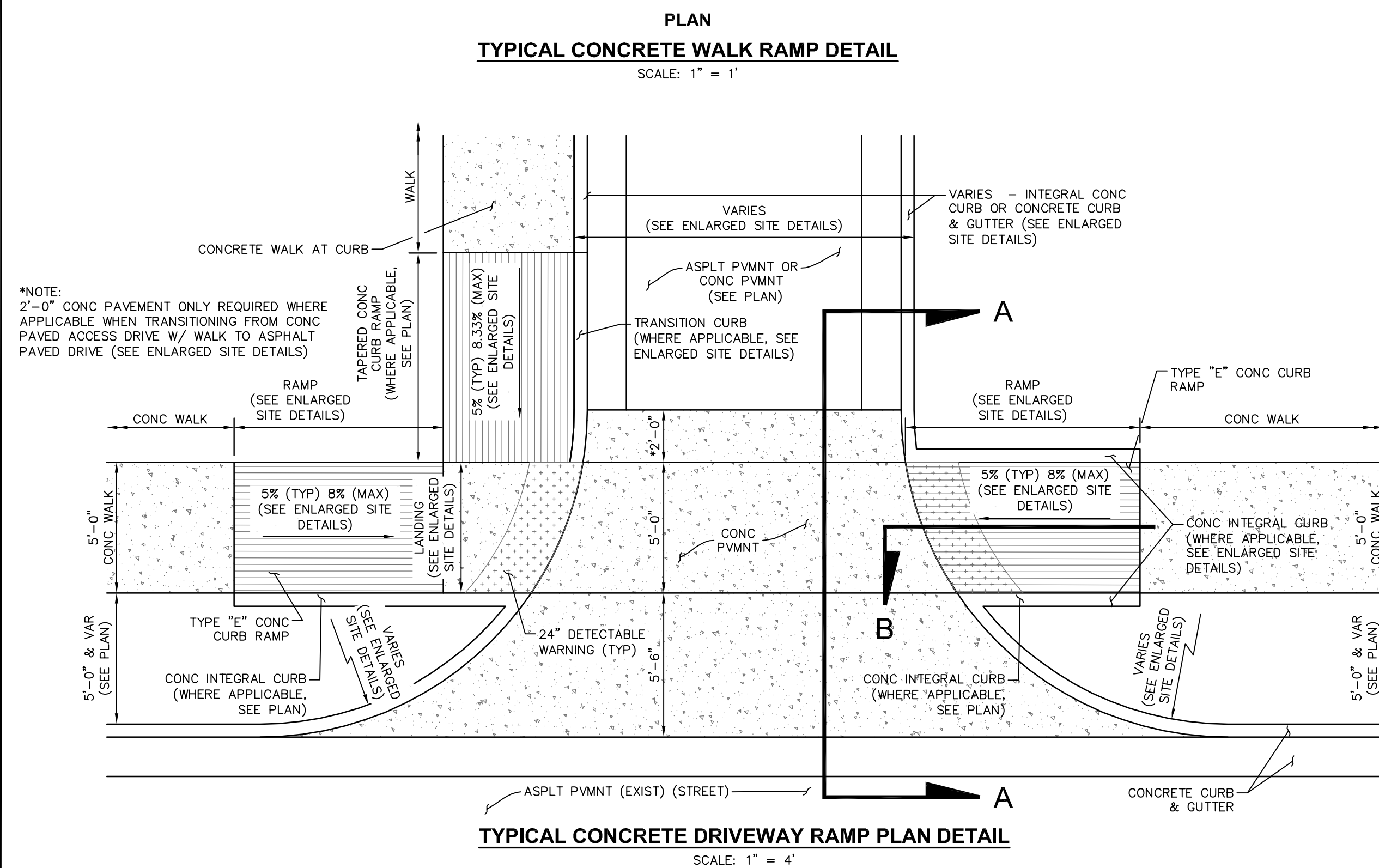
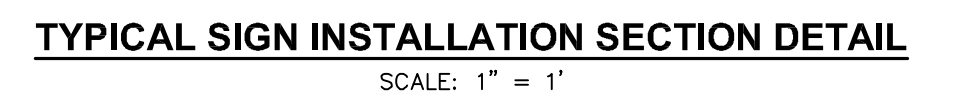
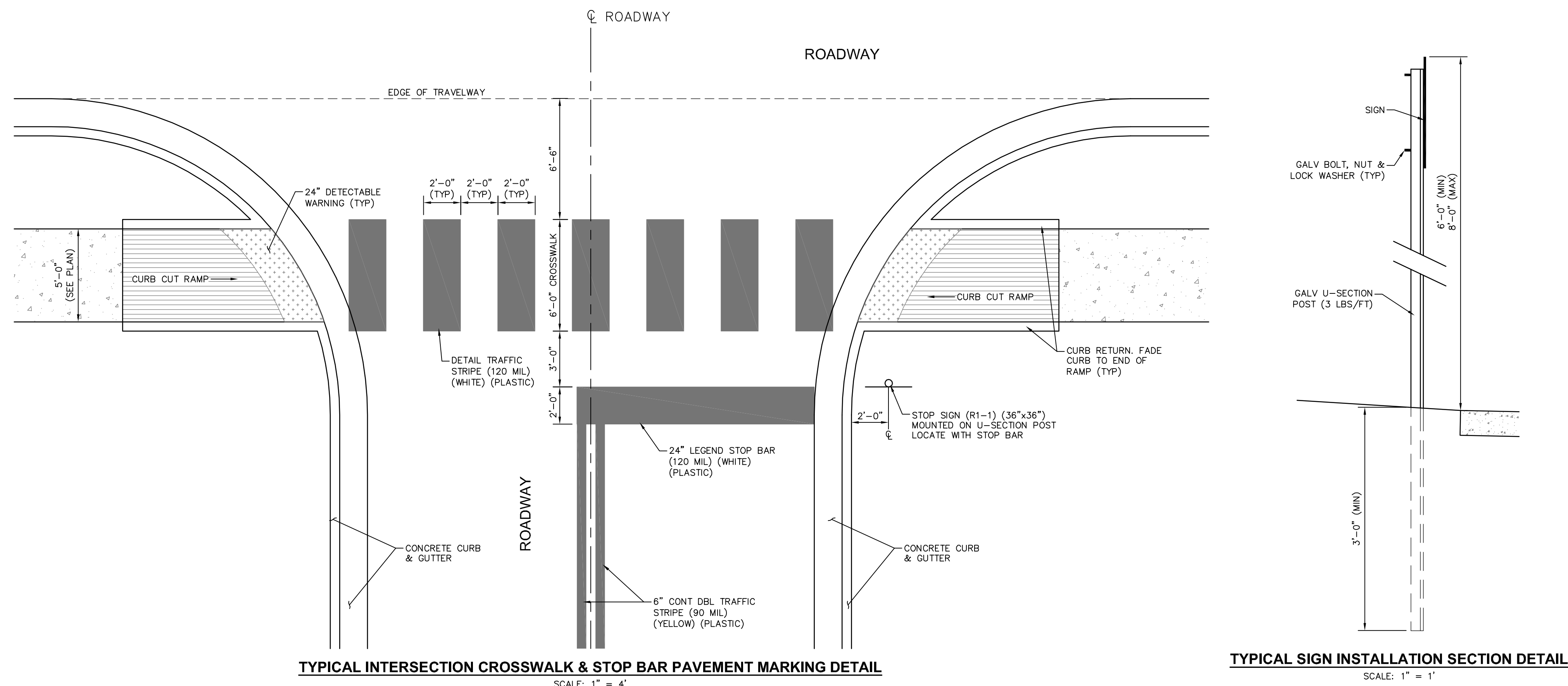
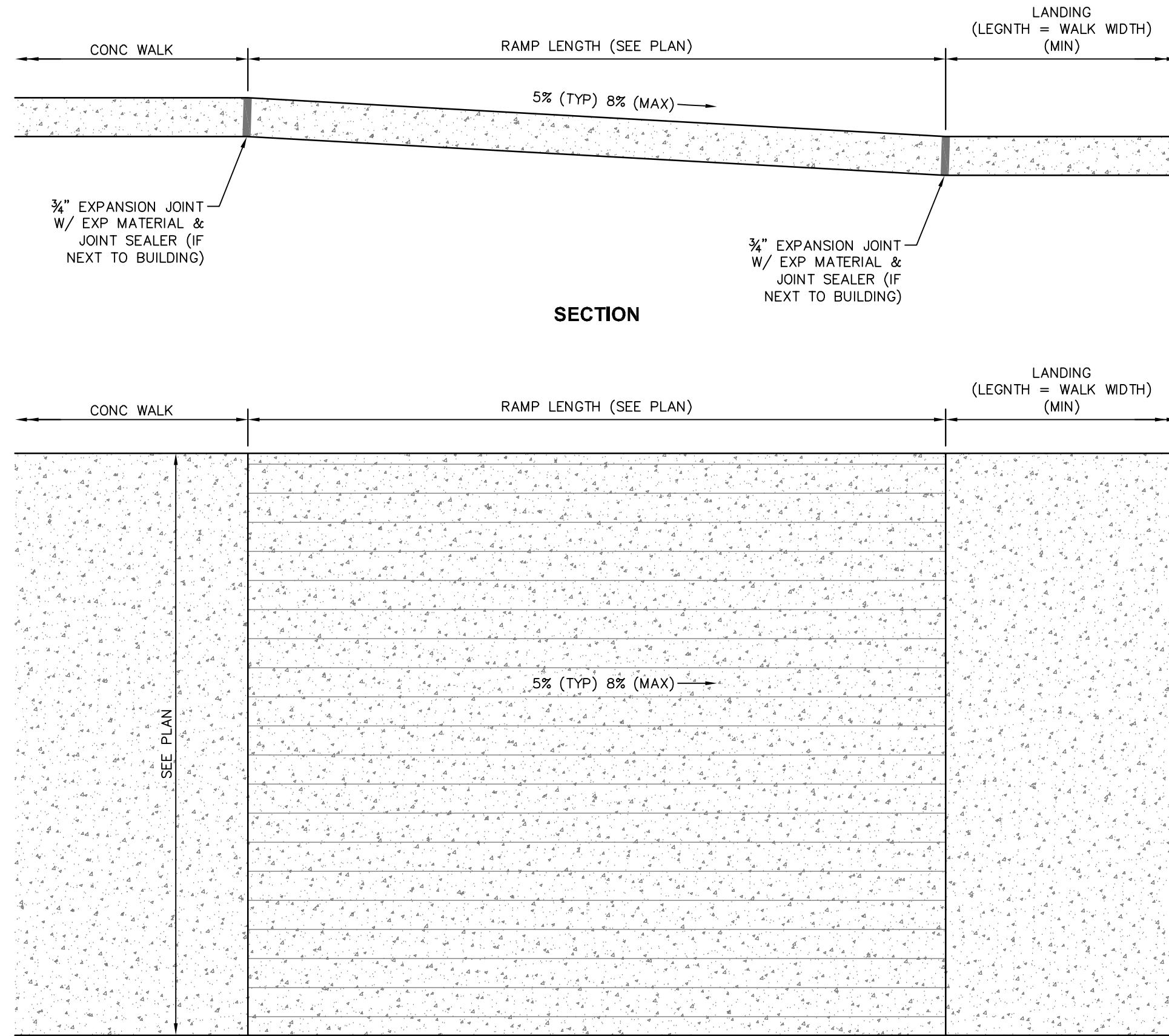
SCALE: 1" = 2'



TYPICAL ROADWAY SECTION DETAIL - KATIE AVENUE

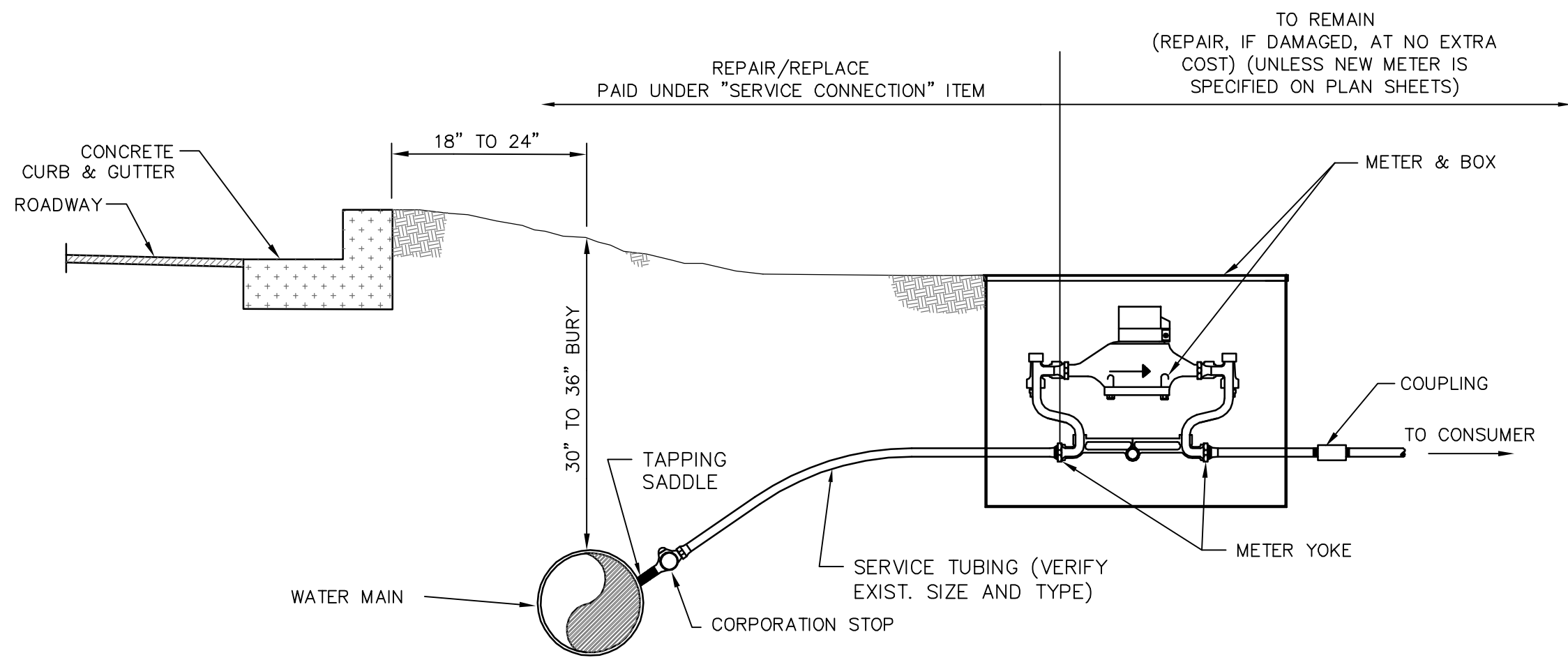
SCALE: 1" = 2'

NO.	DATE	DESCRIPTION	BY
GENERAL SITE DETAILS			
INFRASTRUCTURE REHABILITATION			
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: SEM	Scale: AS NOTED
Date: 05-04-2018		Working No. GSD1	
Drawing No.: 11258		Sheet No. 11	

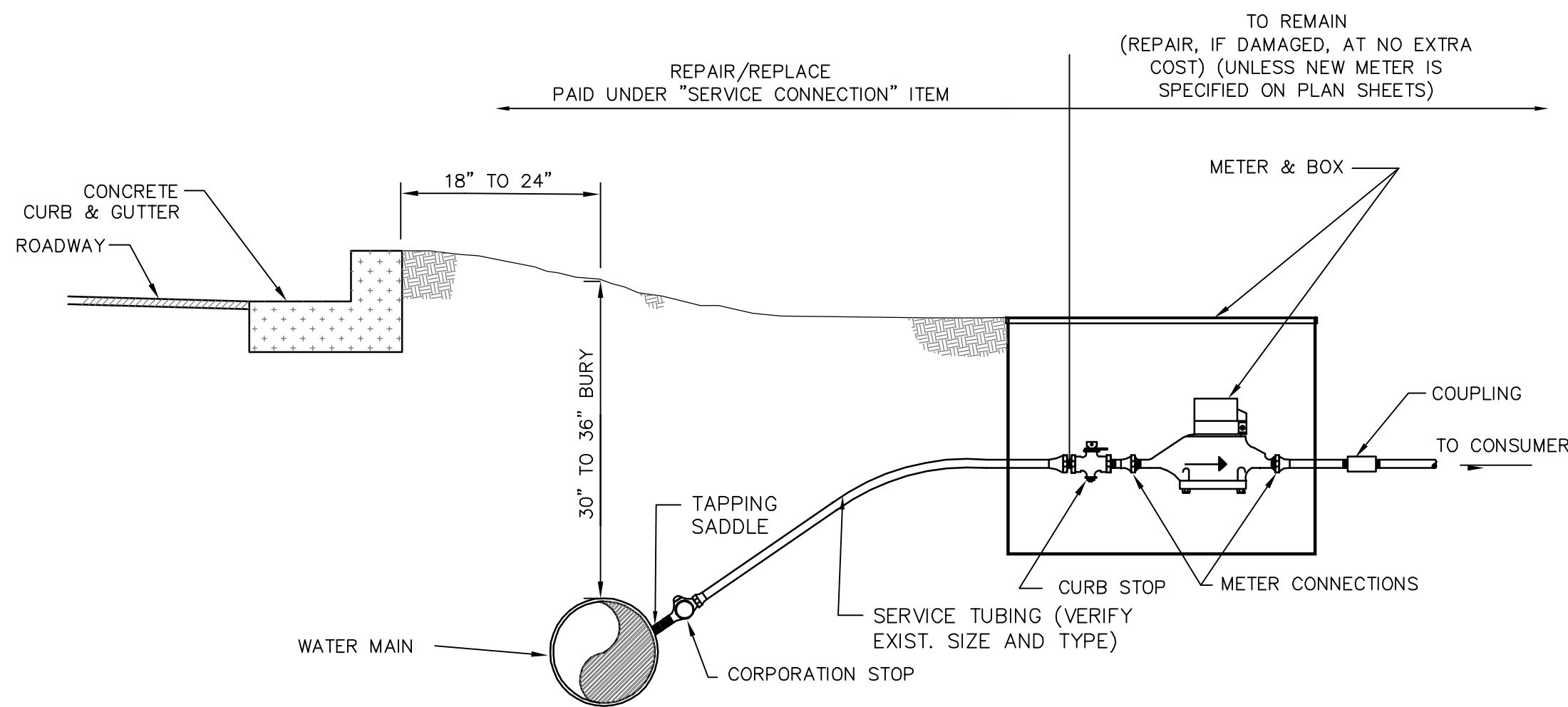


NO.	DATE	DESCRIPTION	BY
GENERAL SITE DETAILS			
INFRASTRUCTURE REHABILITATION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
 Engineering Progress			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by:	RES\BT	Checked by:	SEM Scale: AS NOTED
Date:	05-04-2018	Working No.	GSD2 _____
Drawing No.:	11258	Sheet No.	_____ 12 _____

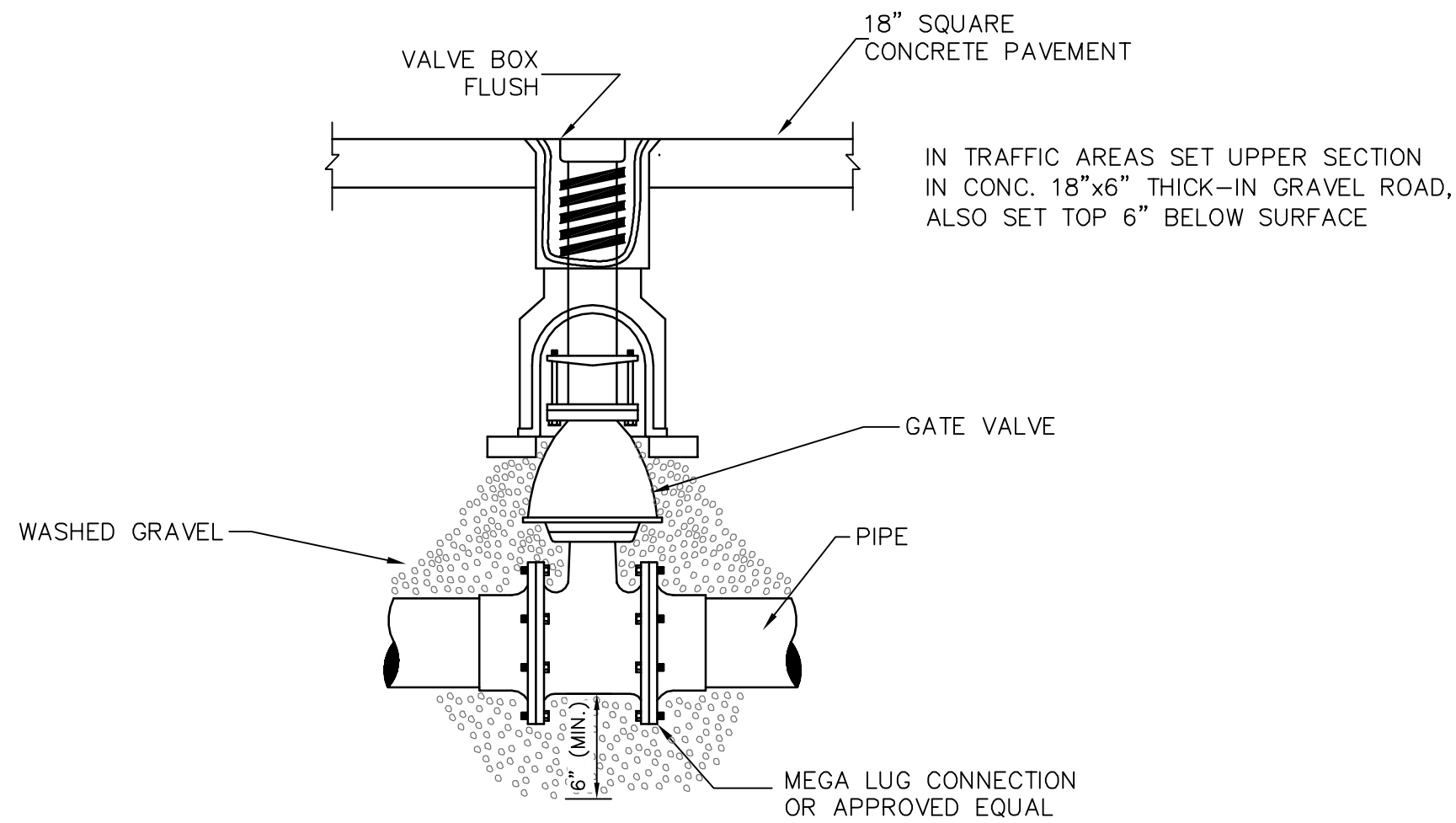
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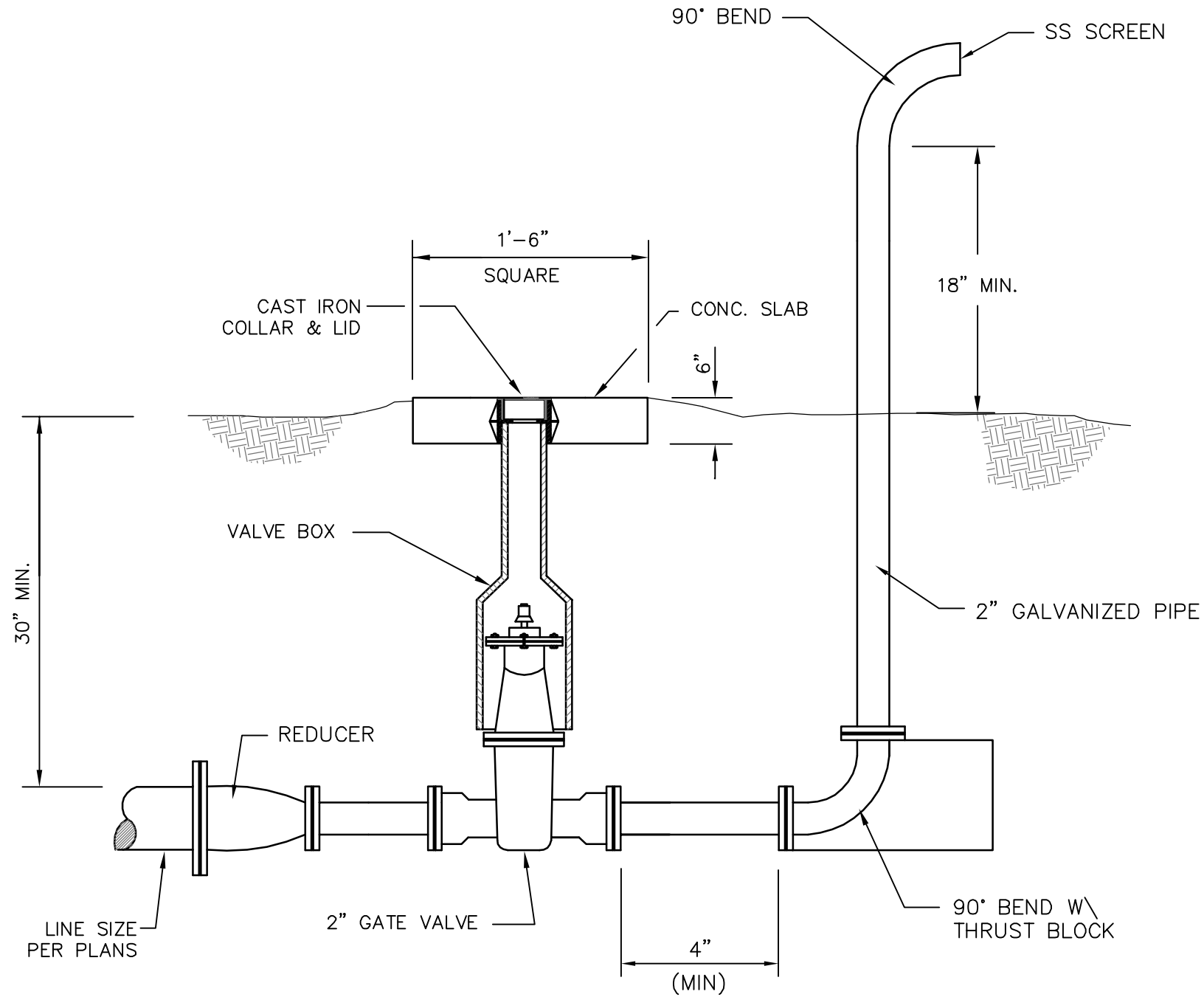
**TYPICAL METER SETTING WITH YOKE
(PREFERRED)**



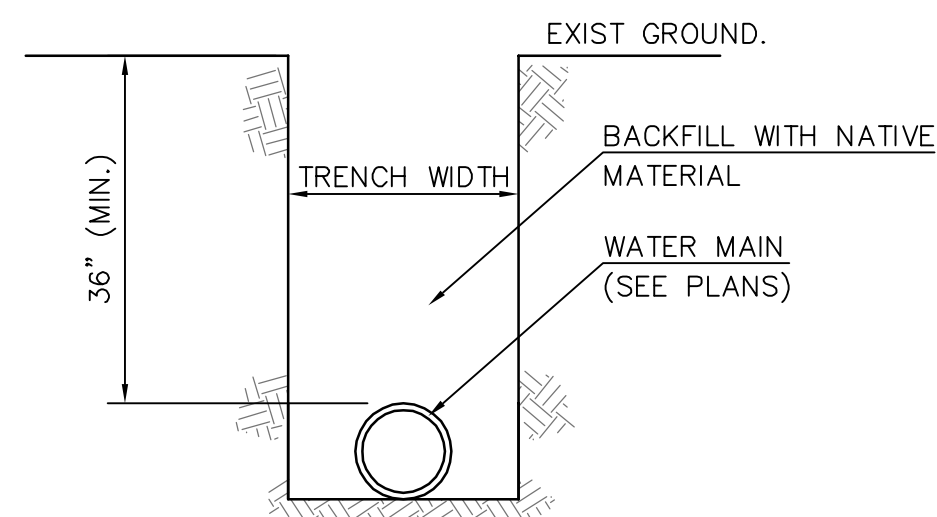
TYPICAL METER SETTING WITHOUT YOKE



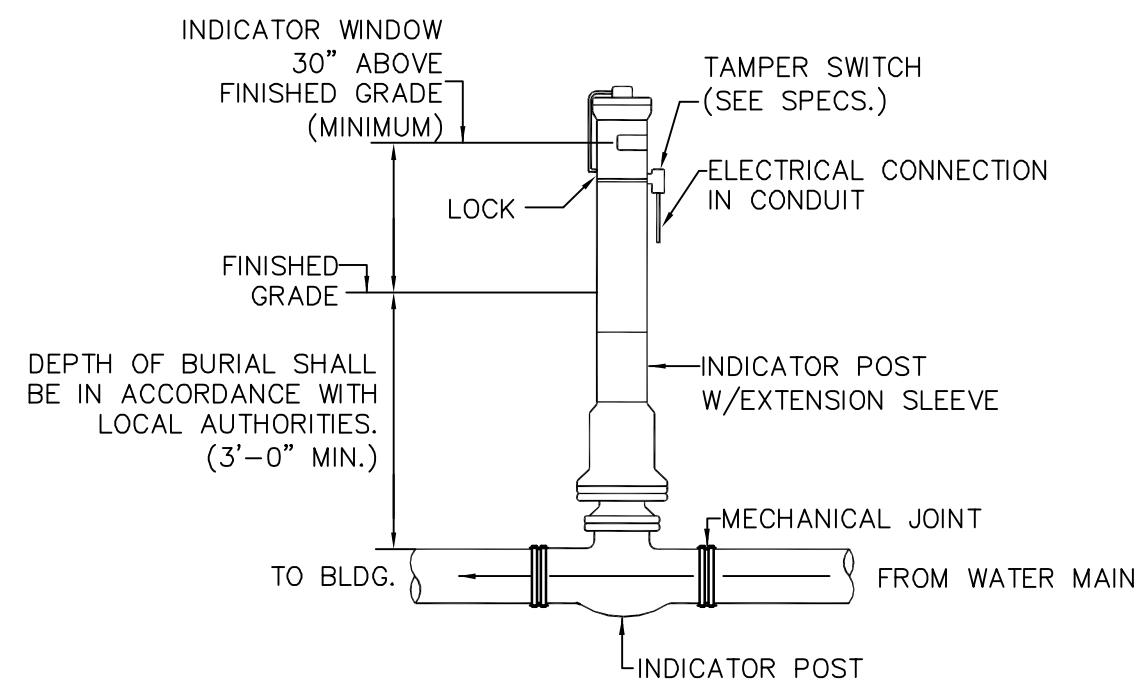
DETAIL OF VALVE & BOX



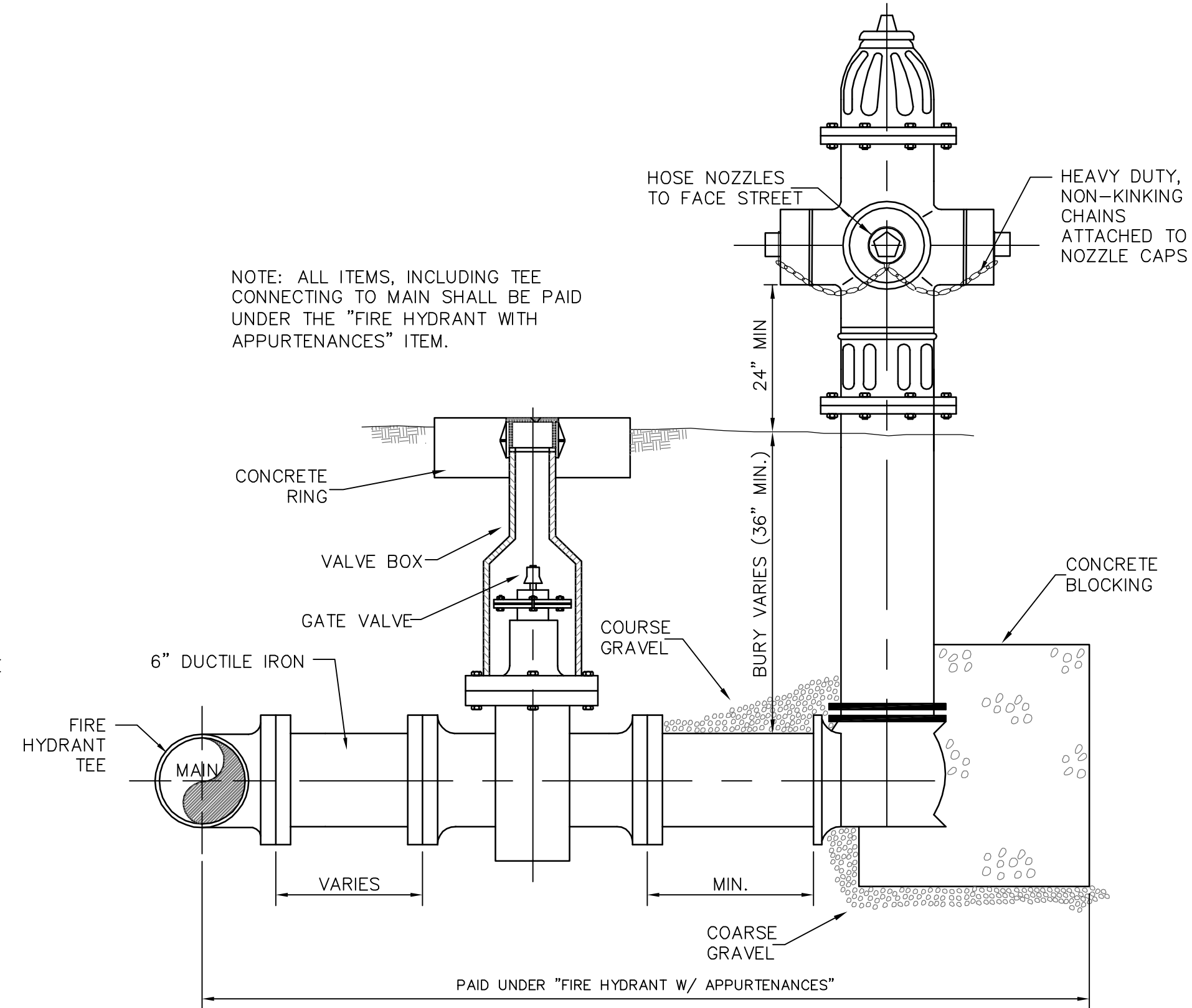
BLOW-OFF VALVE DETAIL



DETAIL OF TRENCH

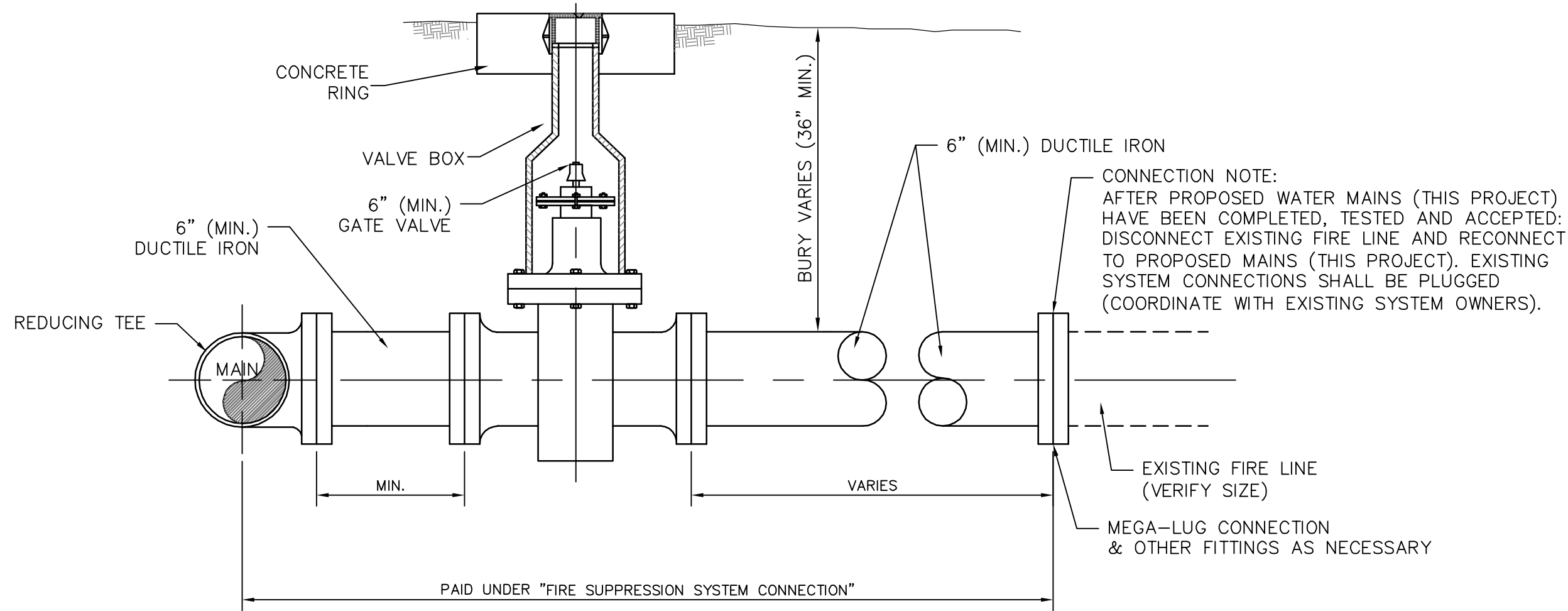


POST INDICATOR VALVE DETAIL



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.

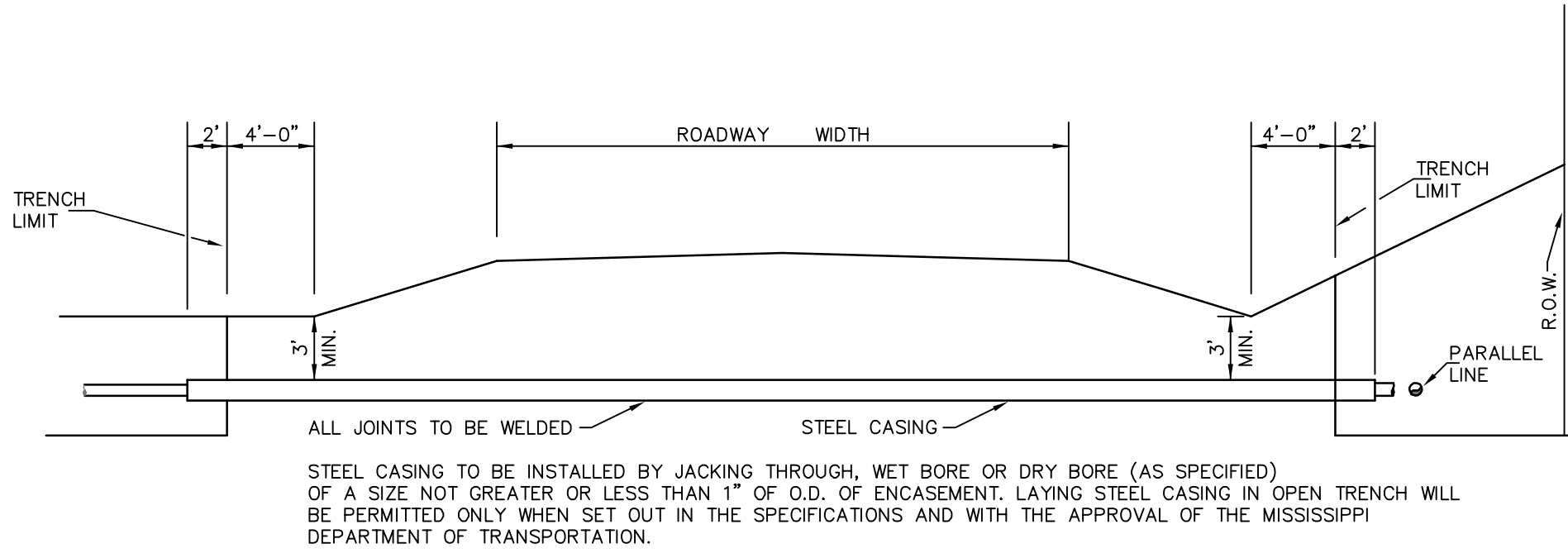


FIRE SUPPRESSION SYSTEM CONNECTION

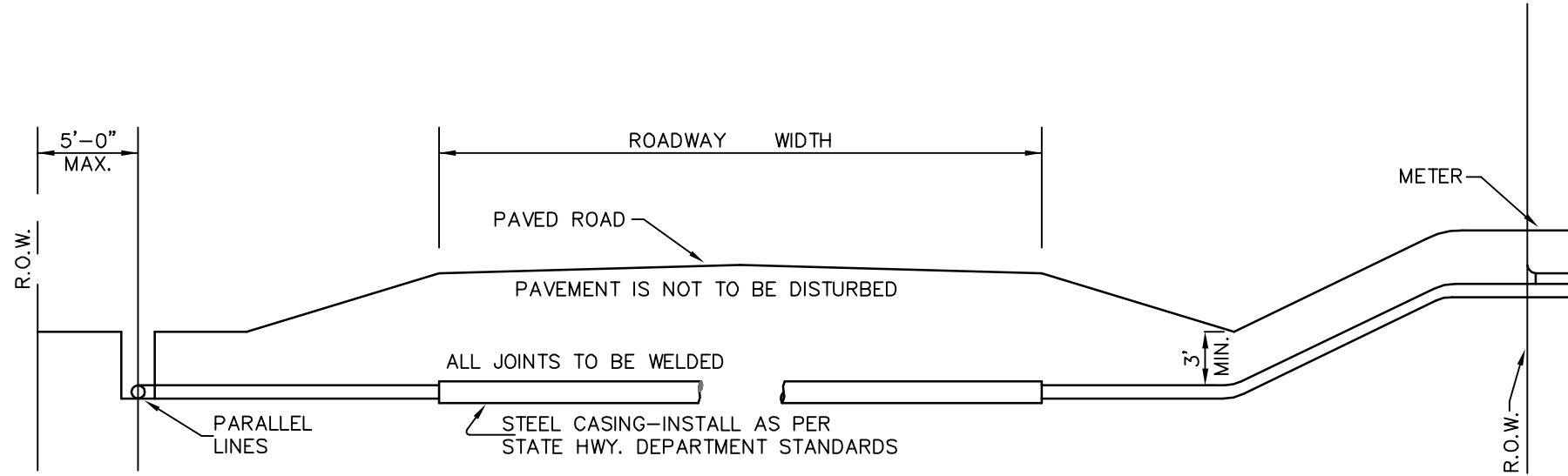
PIV NOTES:

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.

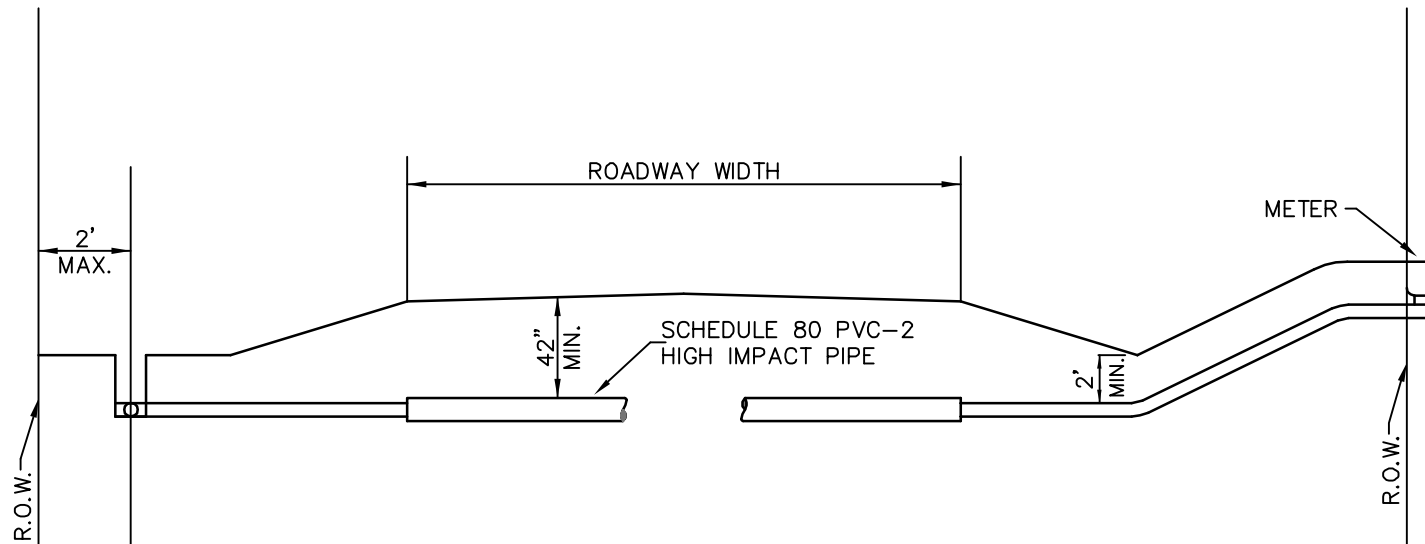
NO.	DATE	DESCRIPTION	BY
WATER INSTALLATION DETAILS			
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CITY OF HATTIESBURG			
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Drawing No.:	11258	Sheet No.:	13



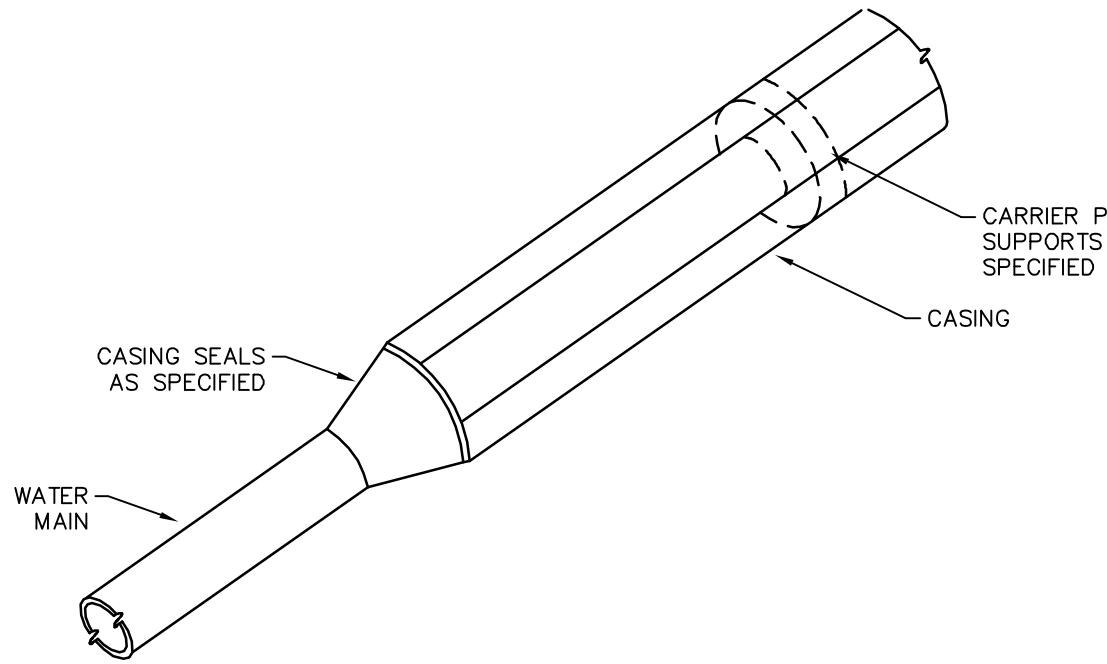
HIGHWAY CROSSING & WATER LINE PARALLELING HWY. IN R.O.W.



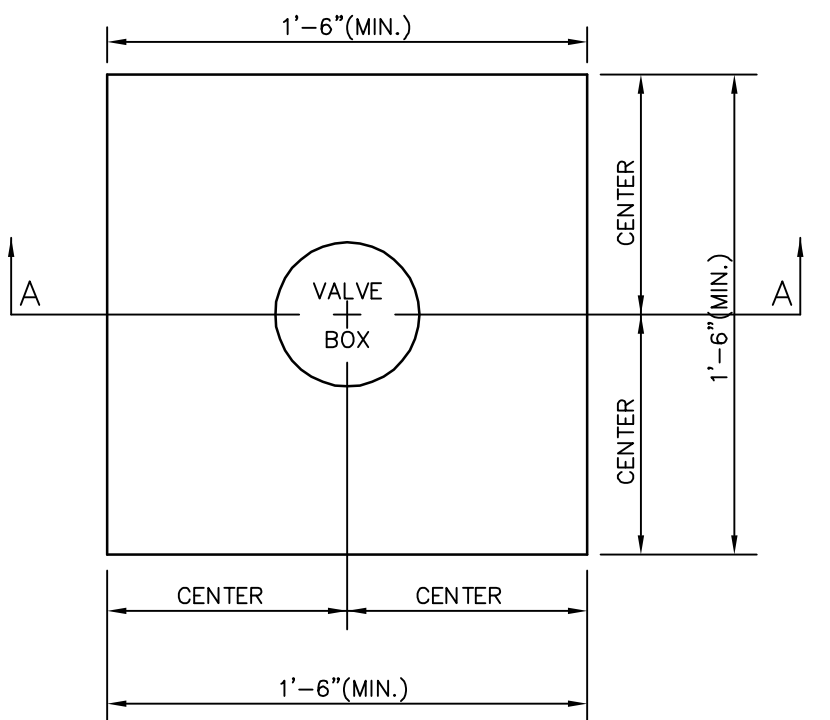
ROAD BORE & WATER LINE PARALLELING ROAD IN R.O.W.



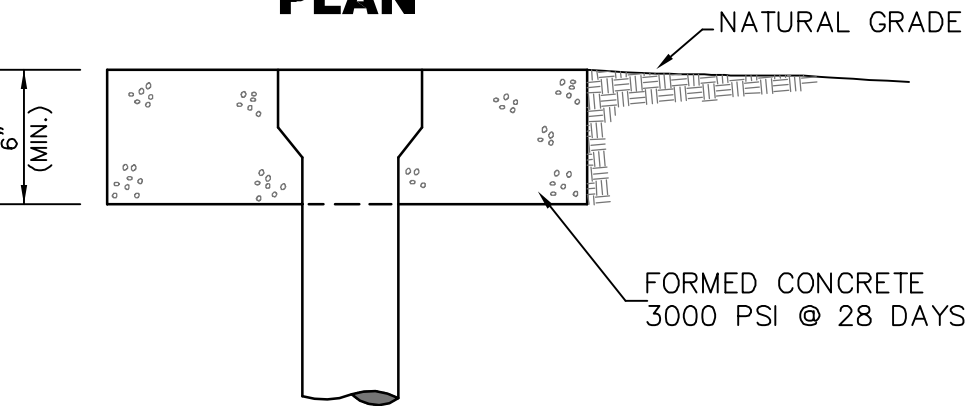
COUNTY GRAVEL ROAD & WATER LINE PARALLELING ROAD IN R.O.W.



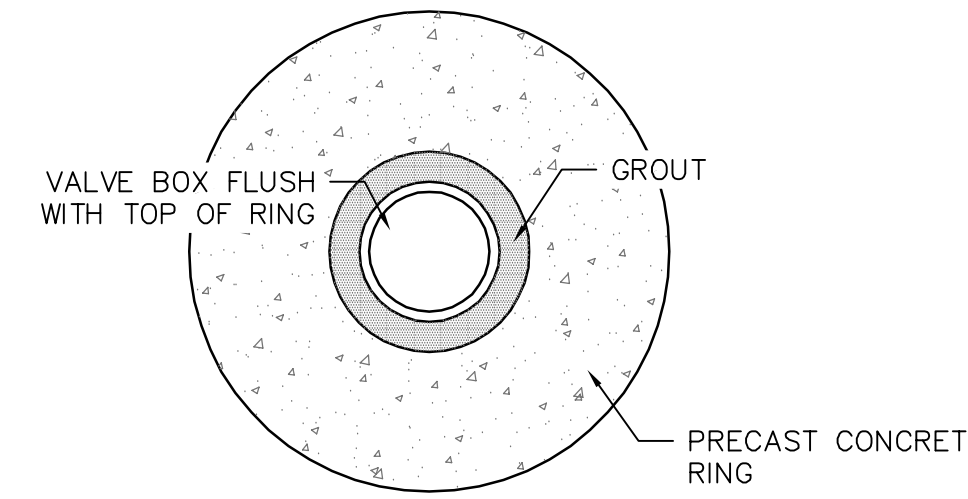
CASING END DETAIL



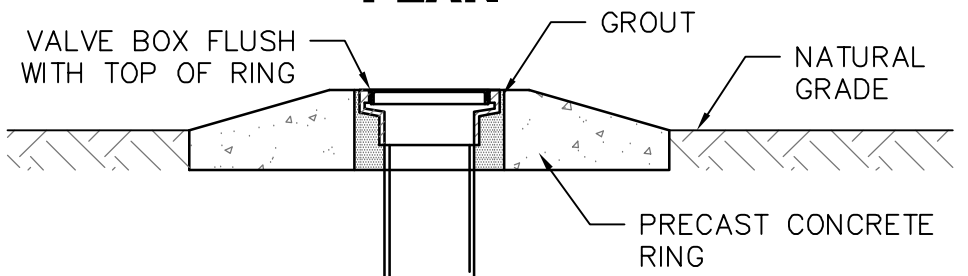
PLAN



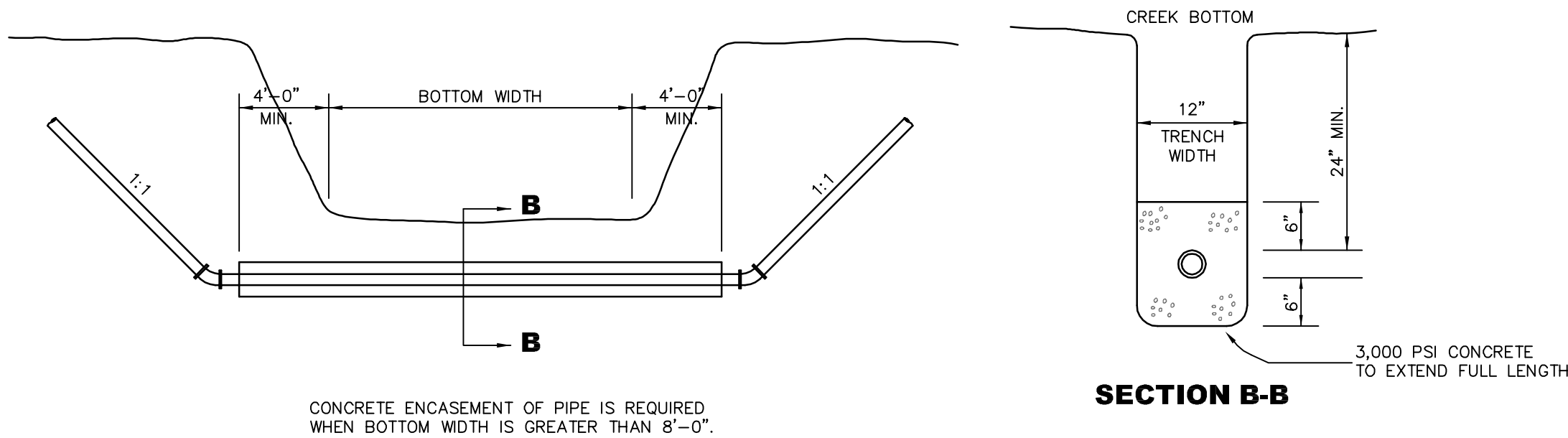
SECTION VALVE LOCATION (PAVED AREA)



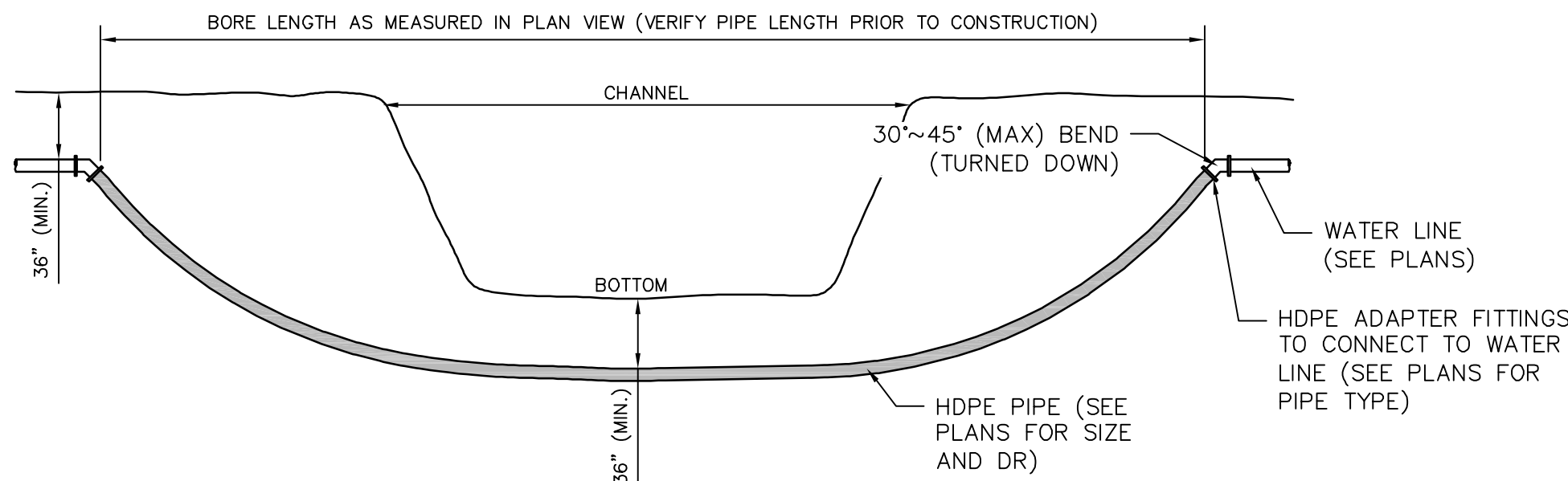
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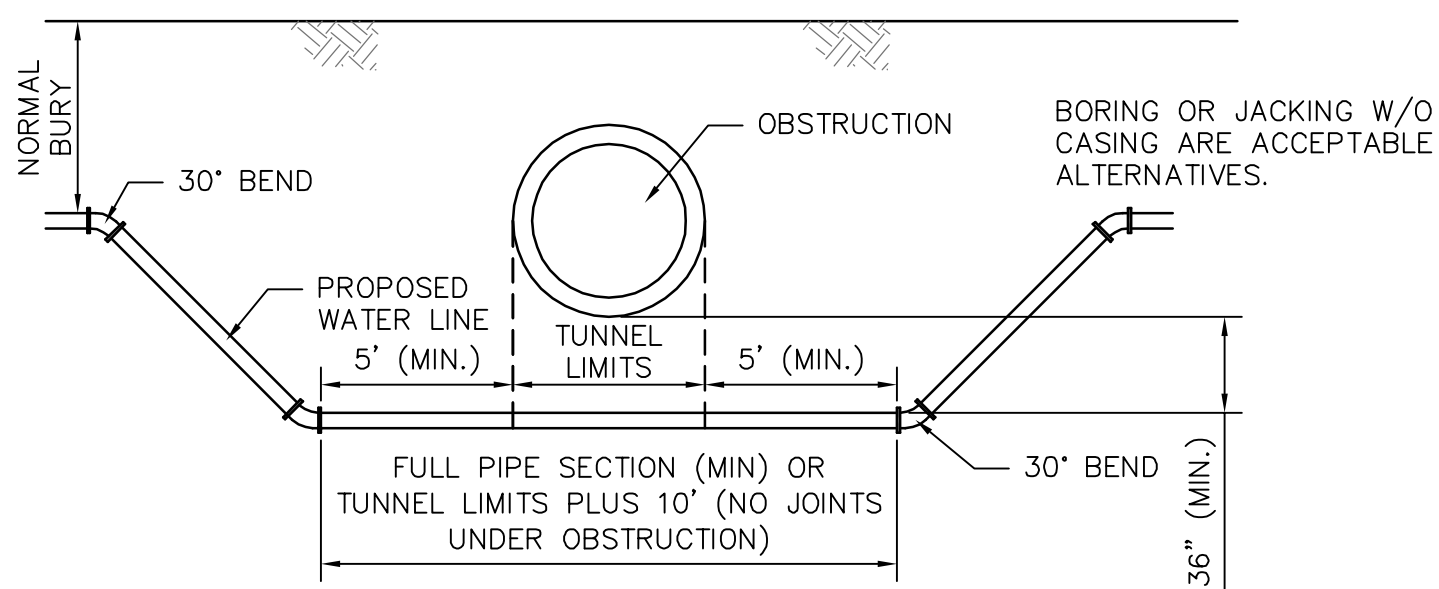
SECTION VALVE LOCATION (NON PAVED AREA)



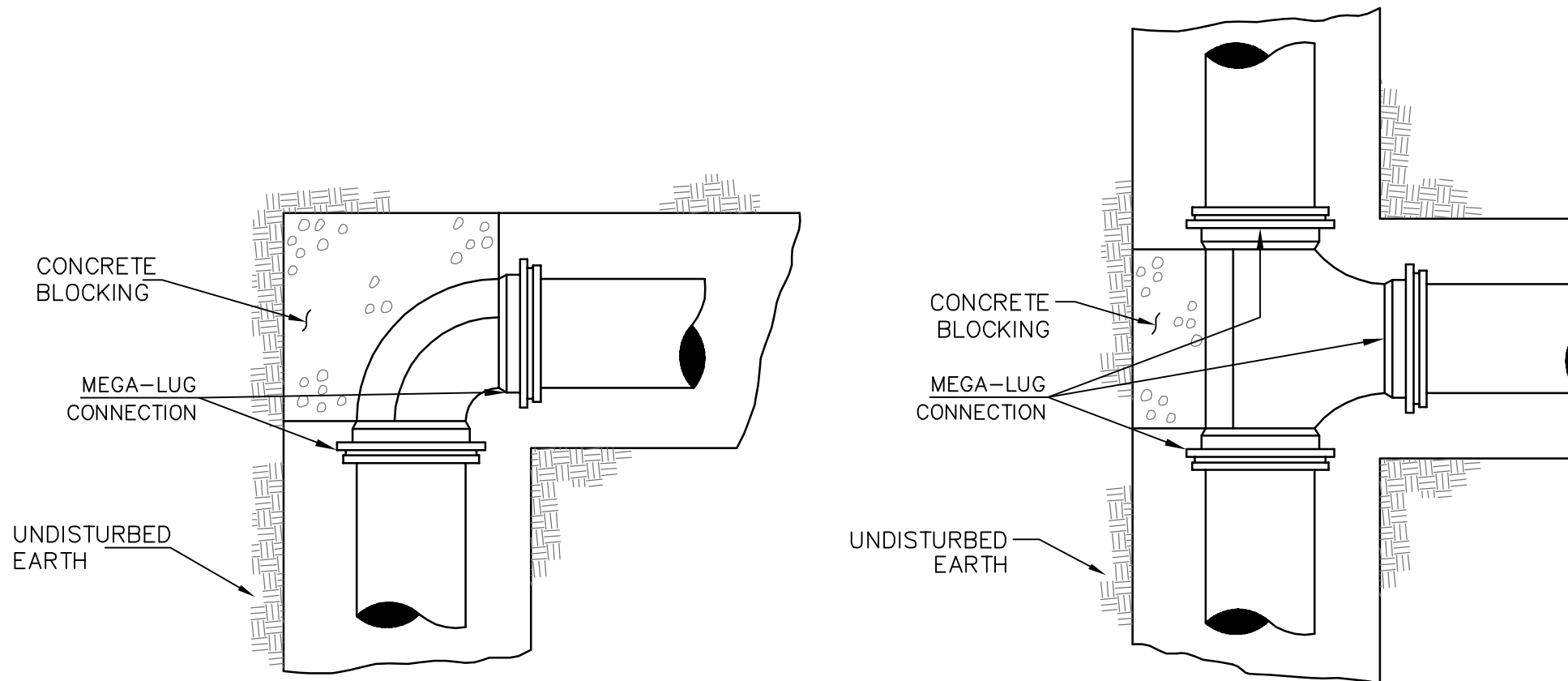
OPEN CUT CHANNEL CROSSING DETAIL



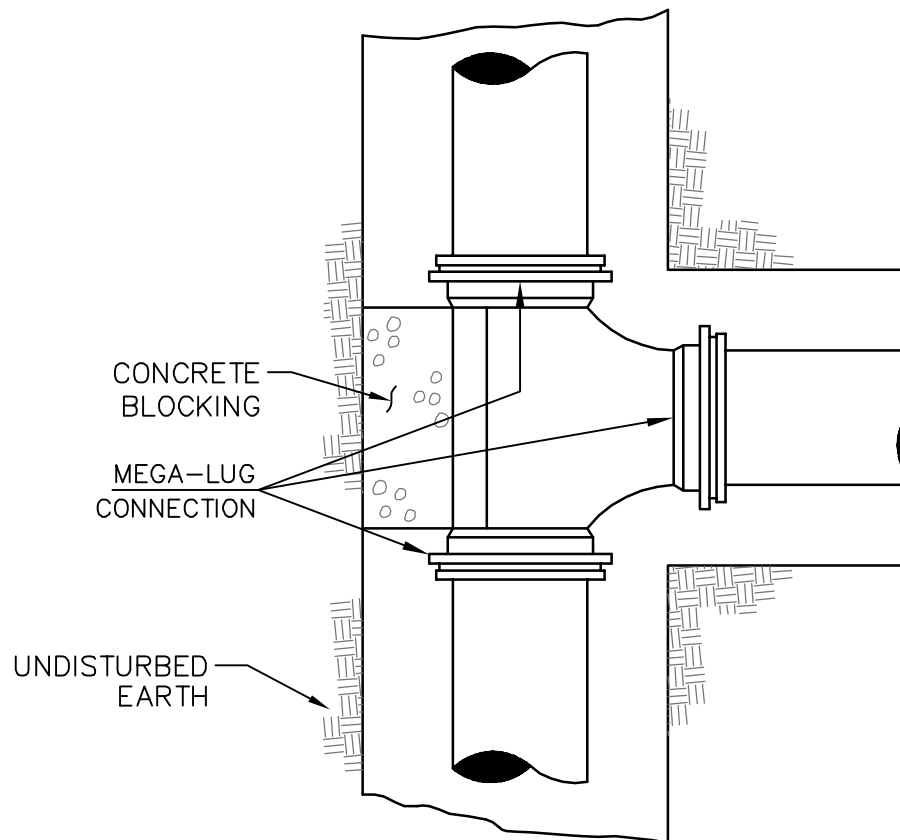
DIRECTIONAL BORED CHANNEL CROSSING DETAIL



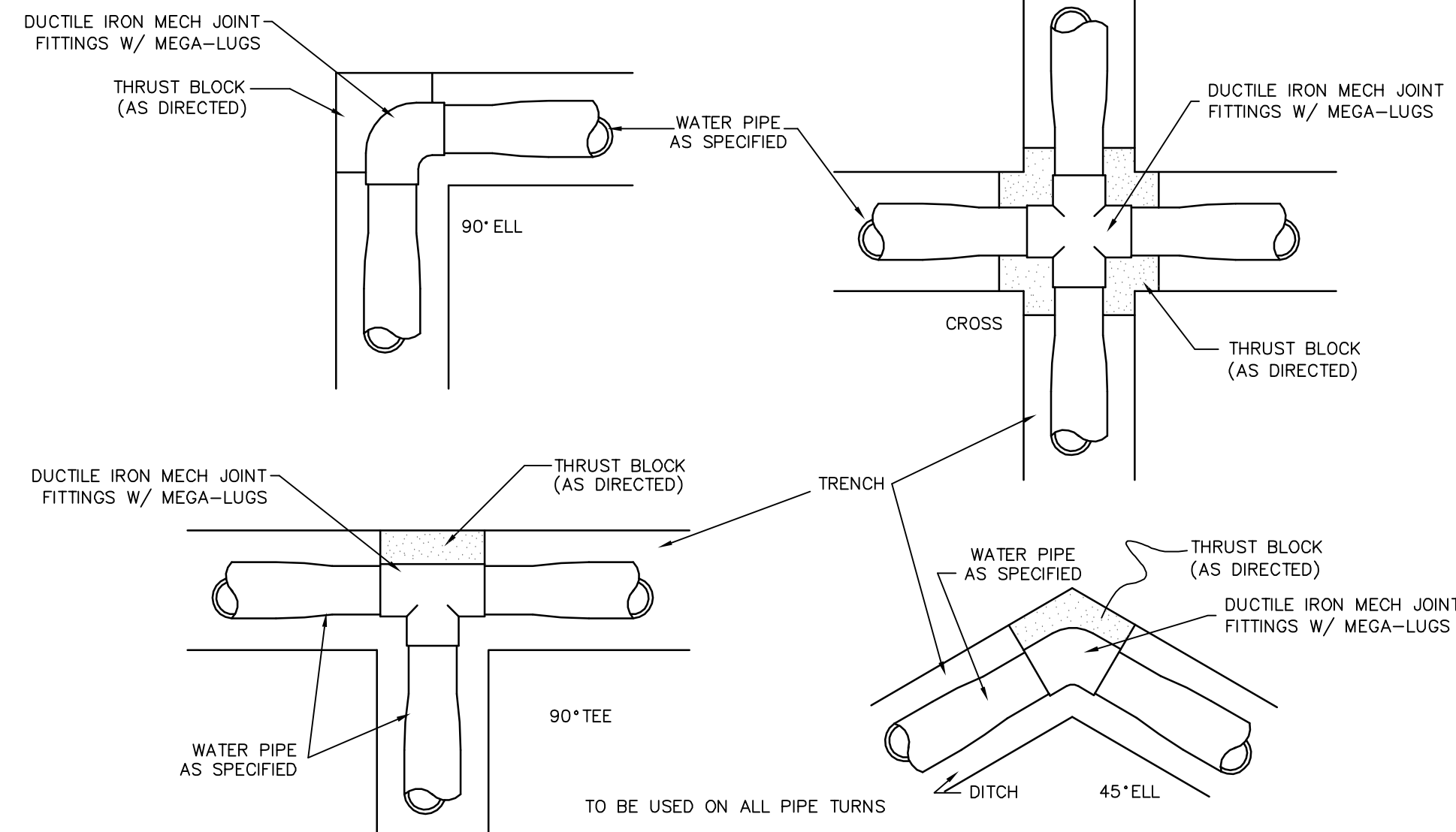
OBSTRUCTION CROSSING DETAIL



PLAN

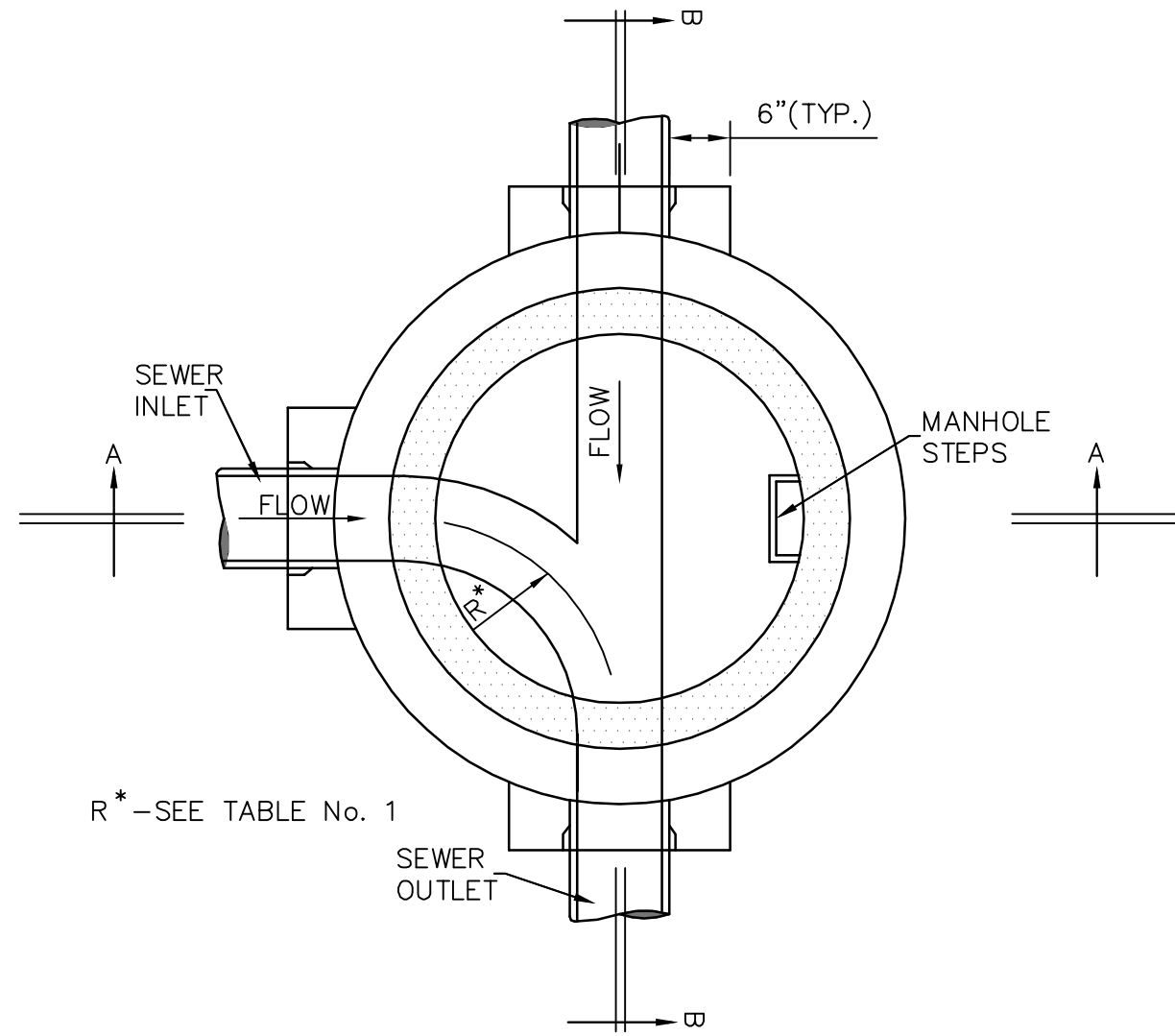


PLAN



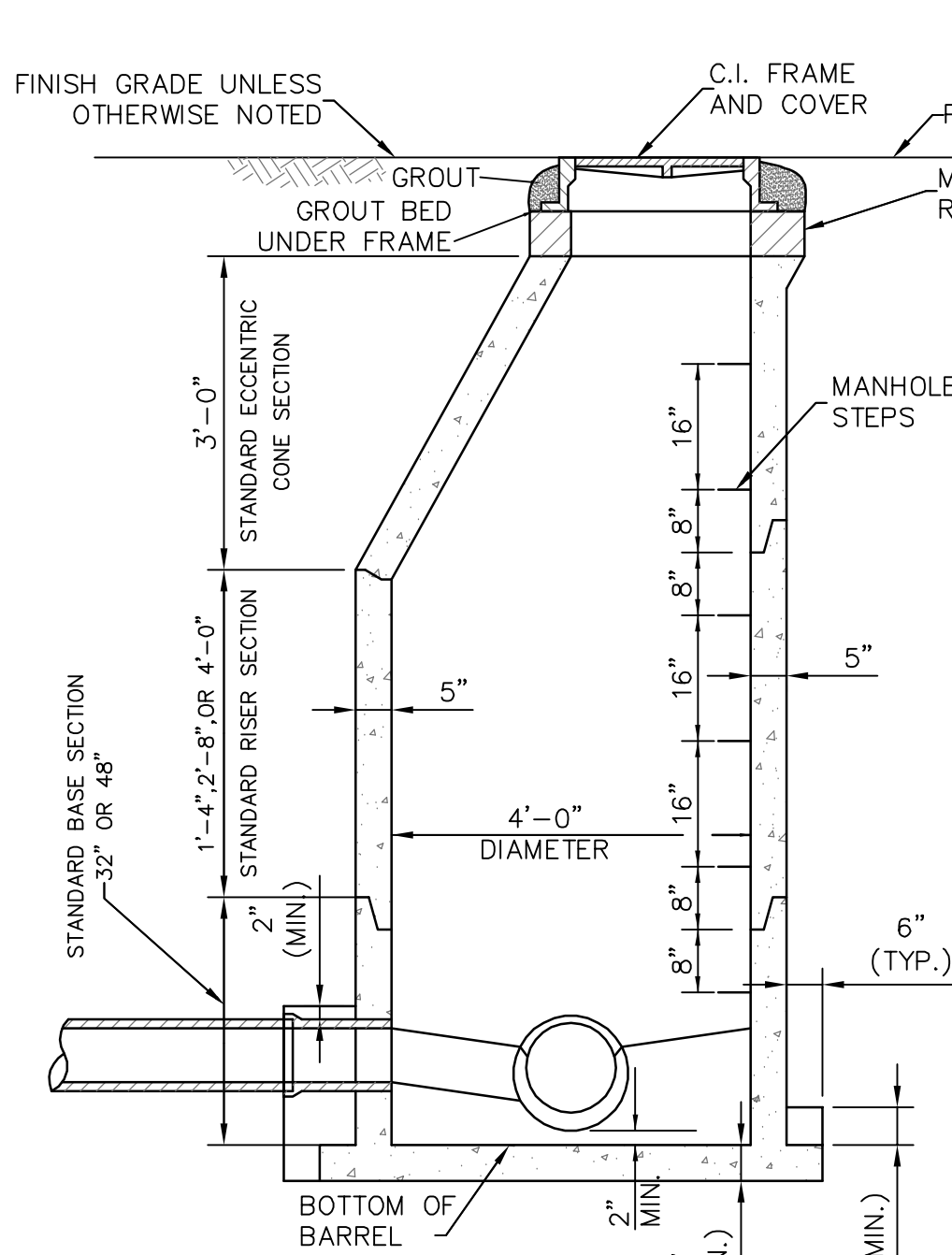
THRUST BLOCK DETAILS

NO.	DATE	DESCRIPTION	BY
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Date: 05-04-2018		Working No. WTRD2	
Drawing No.: 11258		Sheet No. 14	

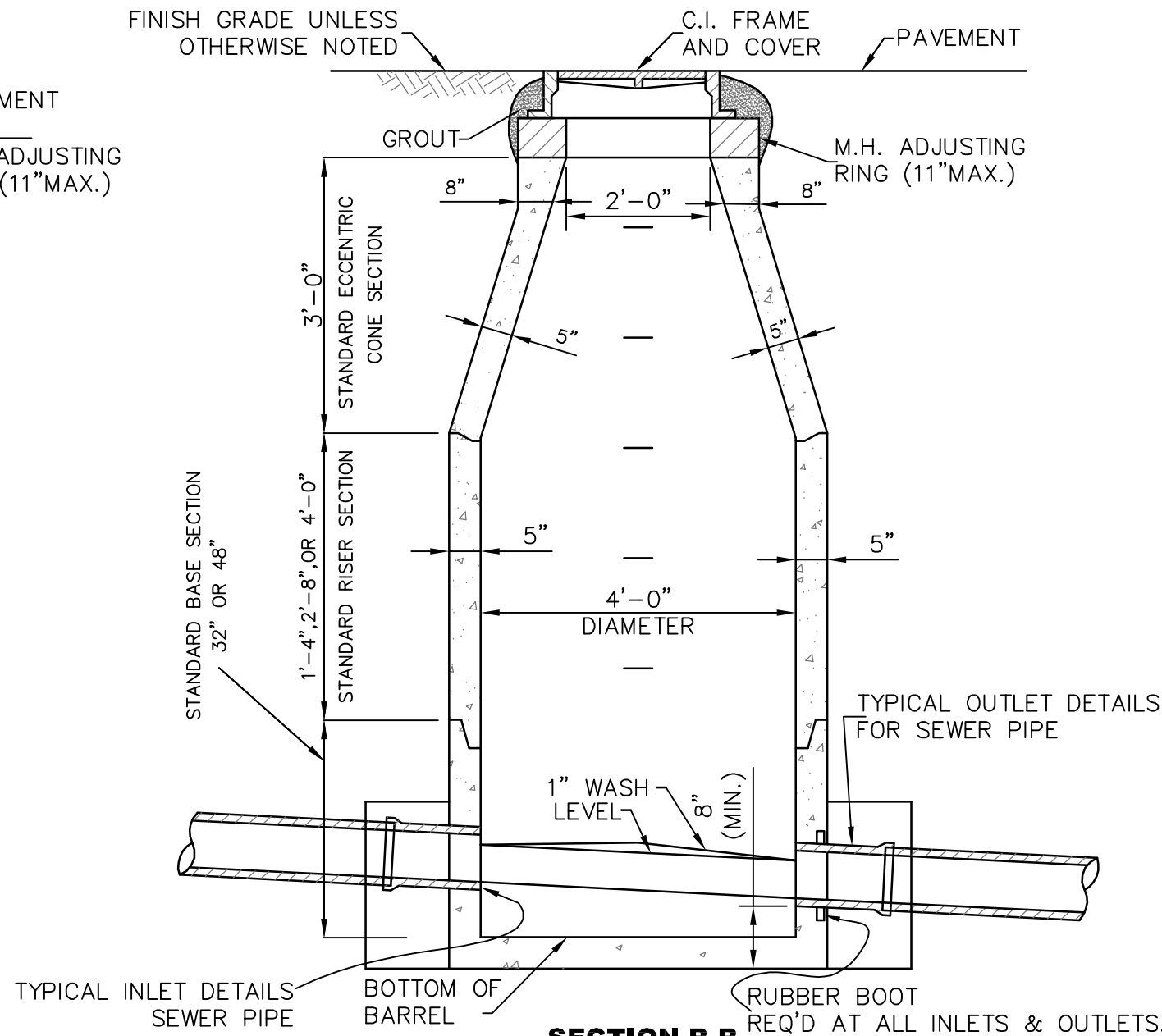


SECTIONAL PLAN
STANDARD PRECAST 4'-0" DIAMETER MANHOLE

NOTE: 5'-0" & 6'-0" DIAMETER MANHOLE MAY BE SIMILAR DESIGN IF APPROVED BY THE ENGINEER. SHOWN WITH CLAY OR CONCRETE PIPE

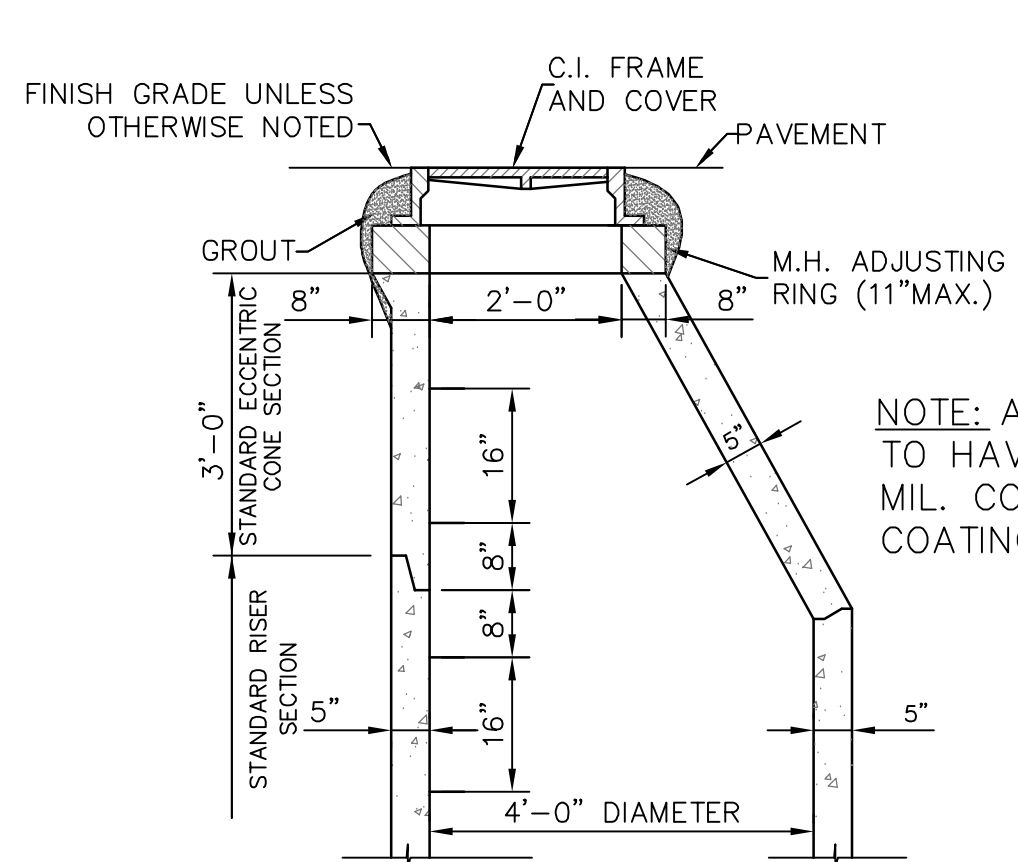


SECTION A-A
SHOWN WITH MANHOLE BOTTOM-PRECAST



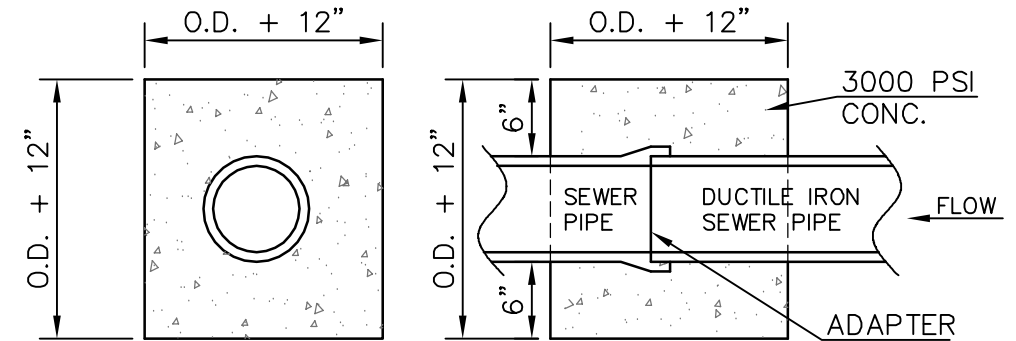
SECTION B-B
SHOWN WITH MANHOLE BOTTOM CAST-IN-PLACE

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.



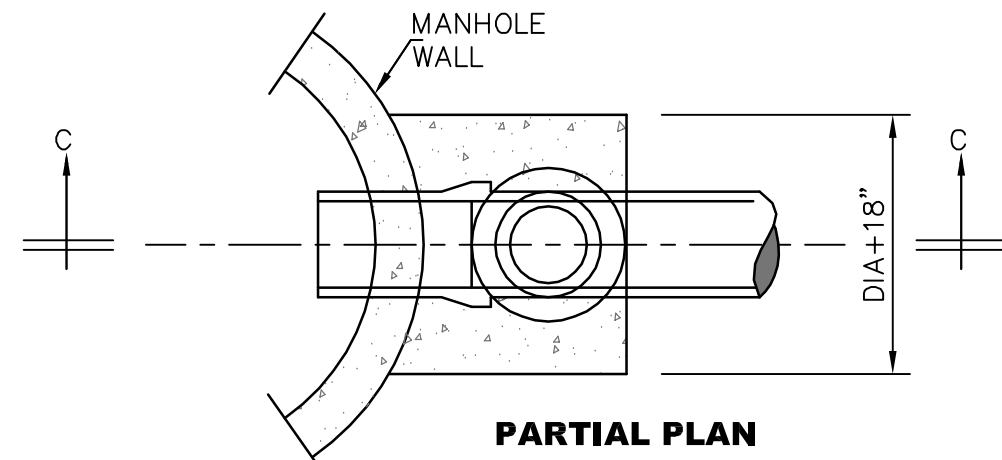
STANDARD ECCENTRIC CONE
FOR ALL DIAMETER MANHOLES

NOTE: DETAILS FOR RISER & BASE SECTIONS ARE SAME AS SHOWN IN SECTION A-A & B-B.



TYPICAL SEWER PIPE
CONNECTION TO SAME SIZE
DUCTILE IRON SEWER PIPE

NOTE: DROP MANHOLE ASSEMBLY TO BE FORMED AND POURED USING 3,000psi CONC.



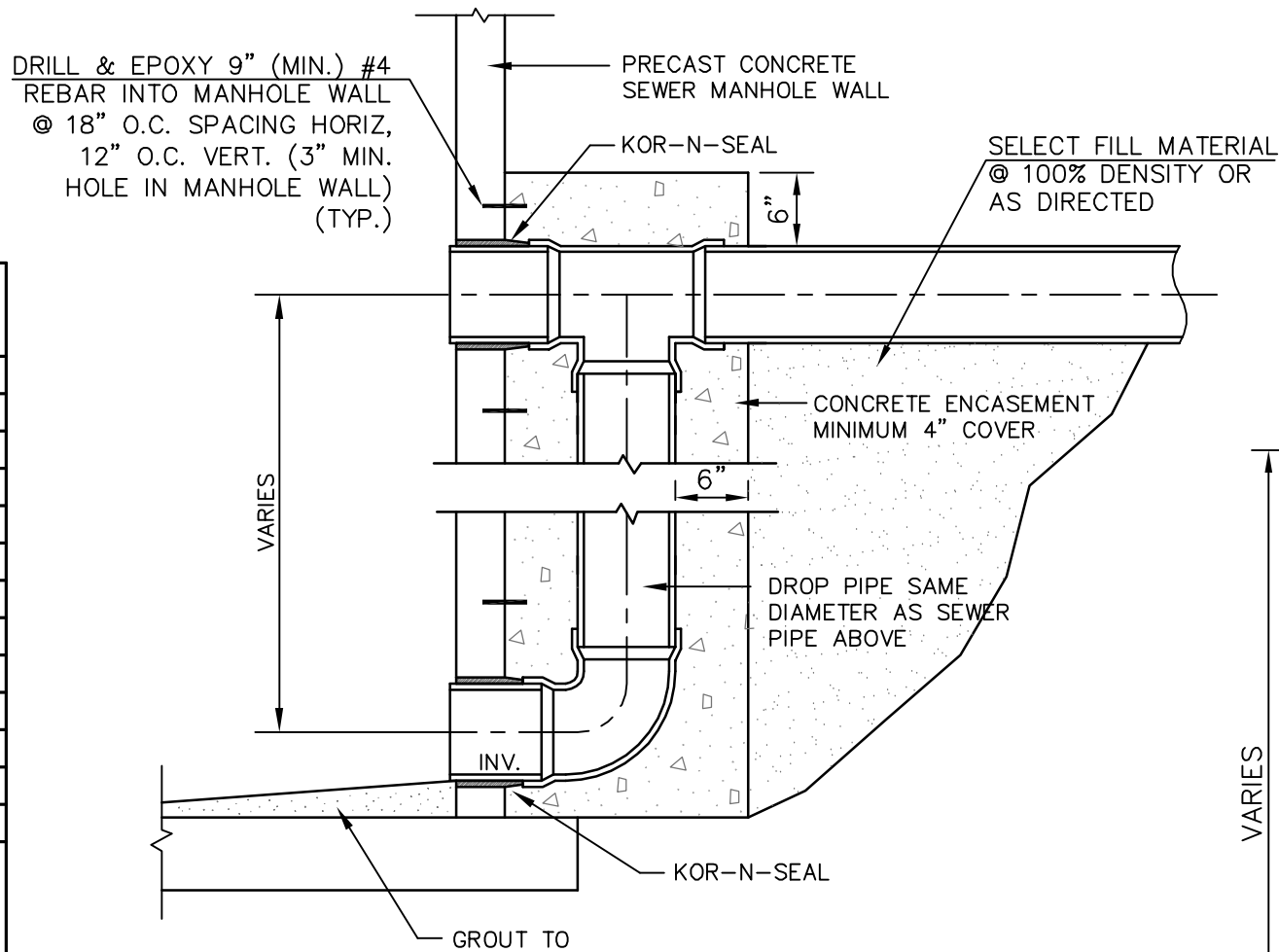
TYPICAL DROP MANHOLE ASSEMBLY

NOTE:

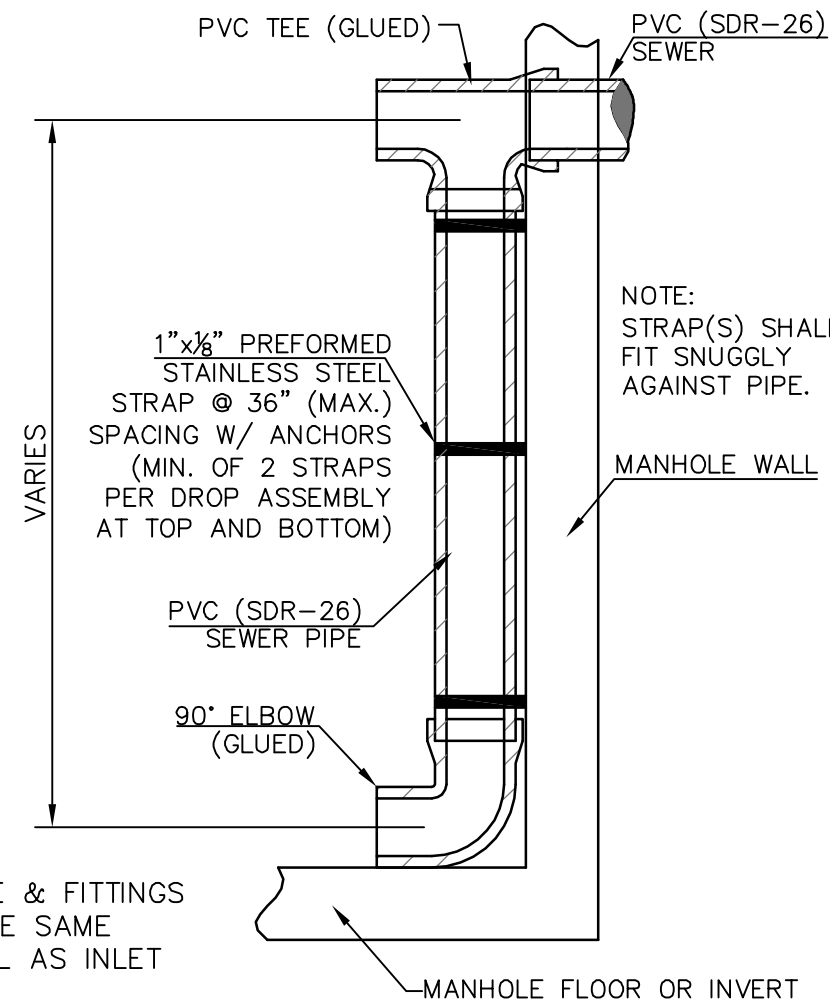
ALL MANHOLES SHALL BE STANDARD PRECAST WITH EXTENDED BASES, UNLESS OTHERWISE DIRECTED. FLEXIBLE INLET AND OUTLET CONNECTION BOOTS REQUIRED ON ALL PIPES AND FORCE MAINS.

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

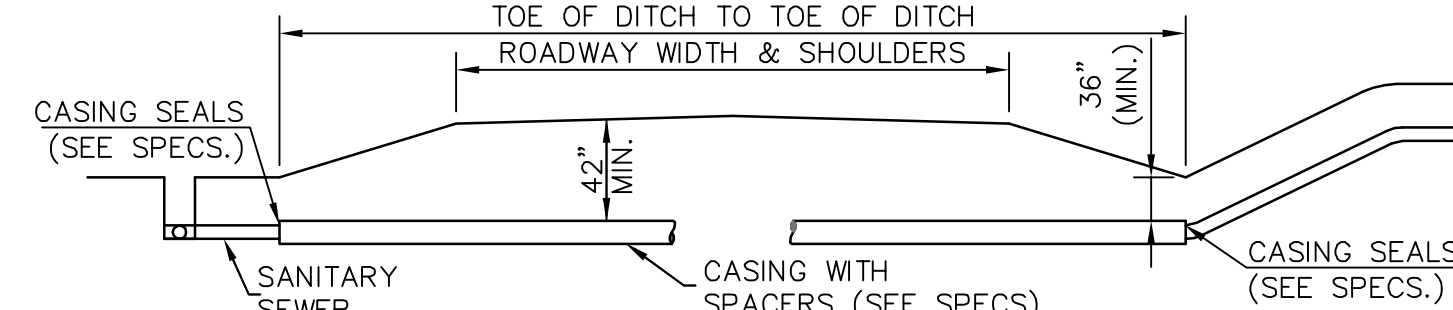


DETAIL "A"
SECTION C-C

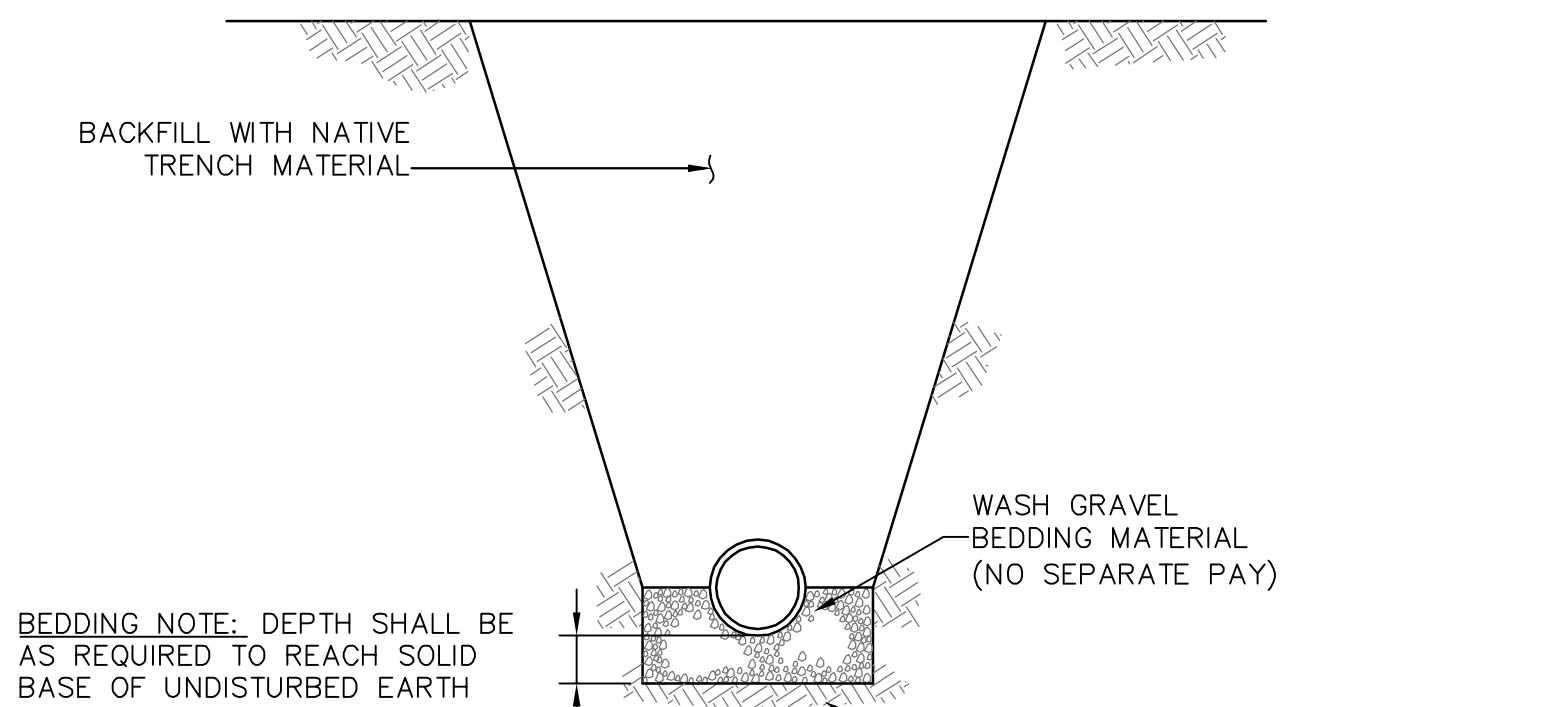
TYPICAL DROP MANHOLE ASSEMBLY

- 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.

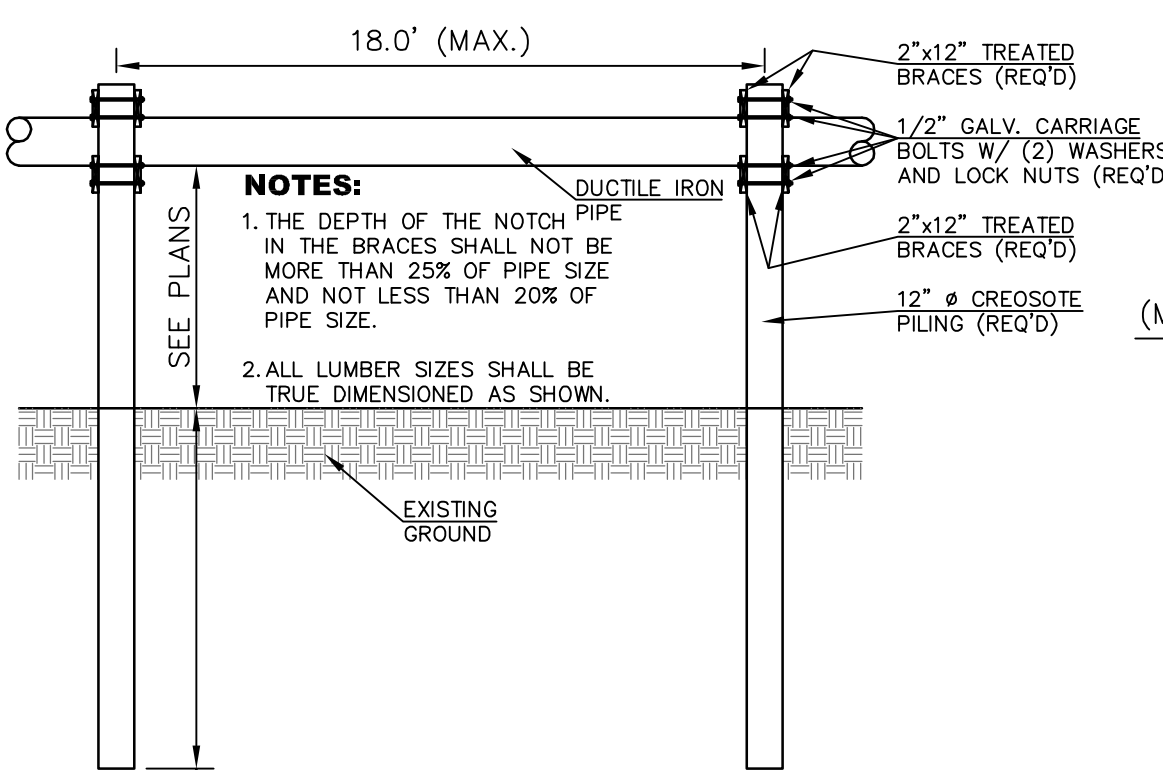
NOTE: ALL TESTING TO BE THE RESPONSIBILITY OF THE CONTRACTOR. (NO SEPARATE PAY)



ROAD BORE DETAIL

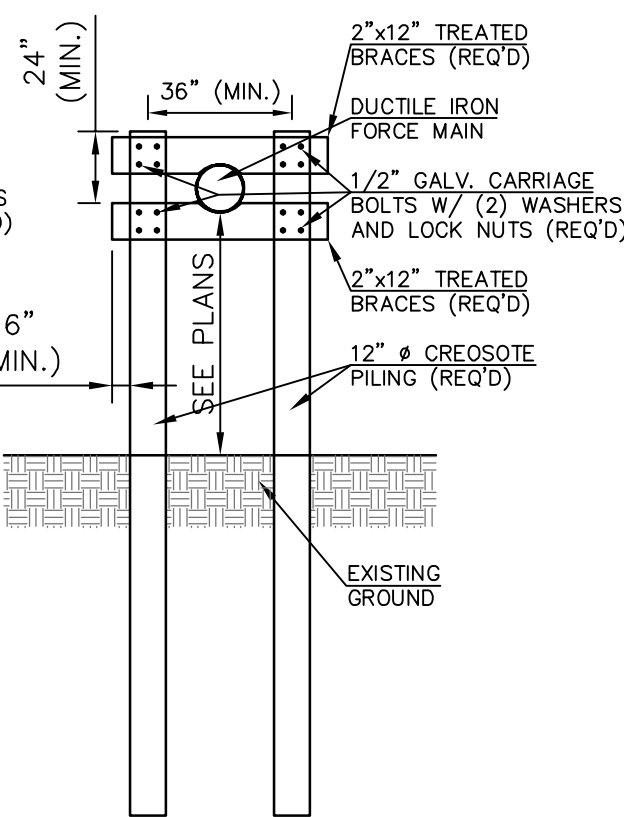


TYPICAL TRENCH DETAIL
(NON PAVED AREAS)



SIDE VIEW

TREATED WOOD PIPE PIERS

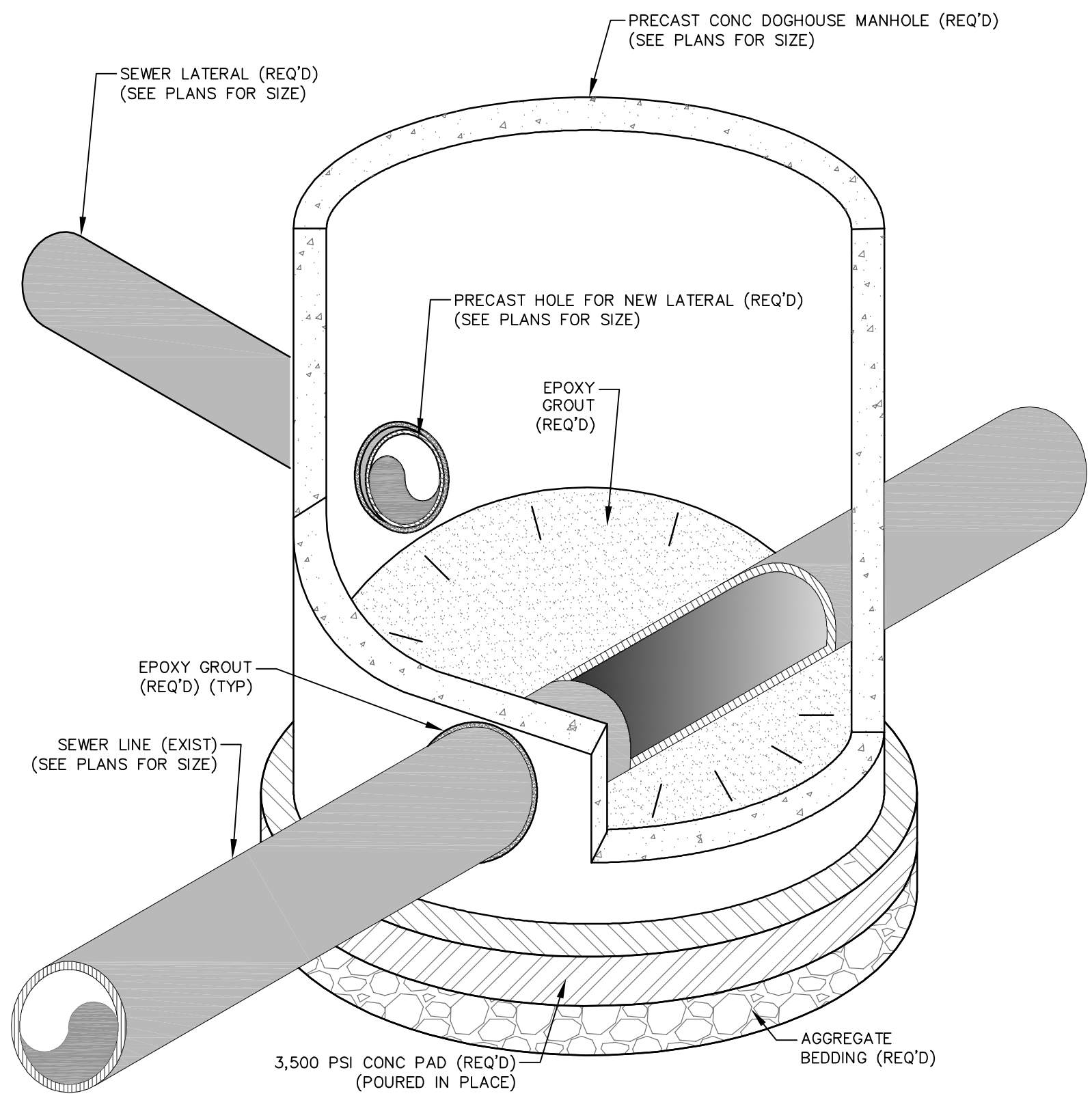


FRONT VIEW

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.

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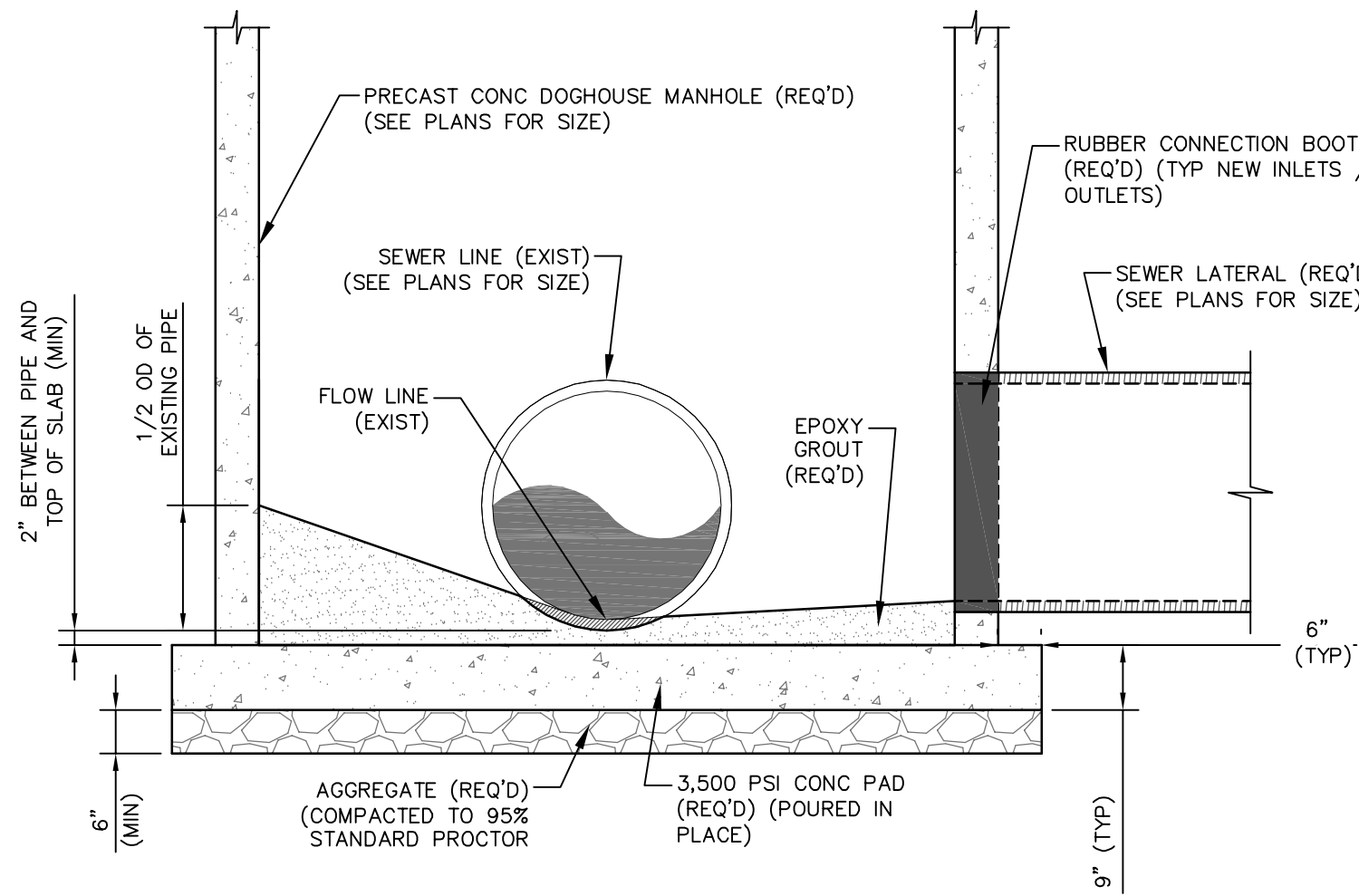


ISOMETRIC VIEW

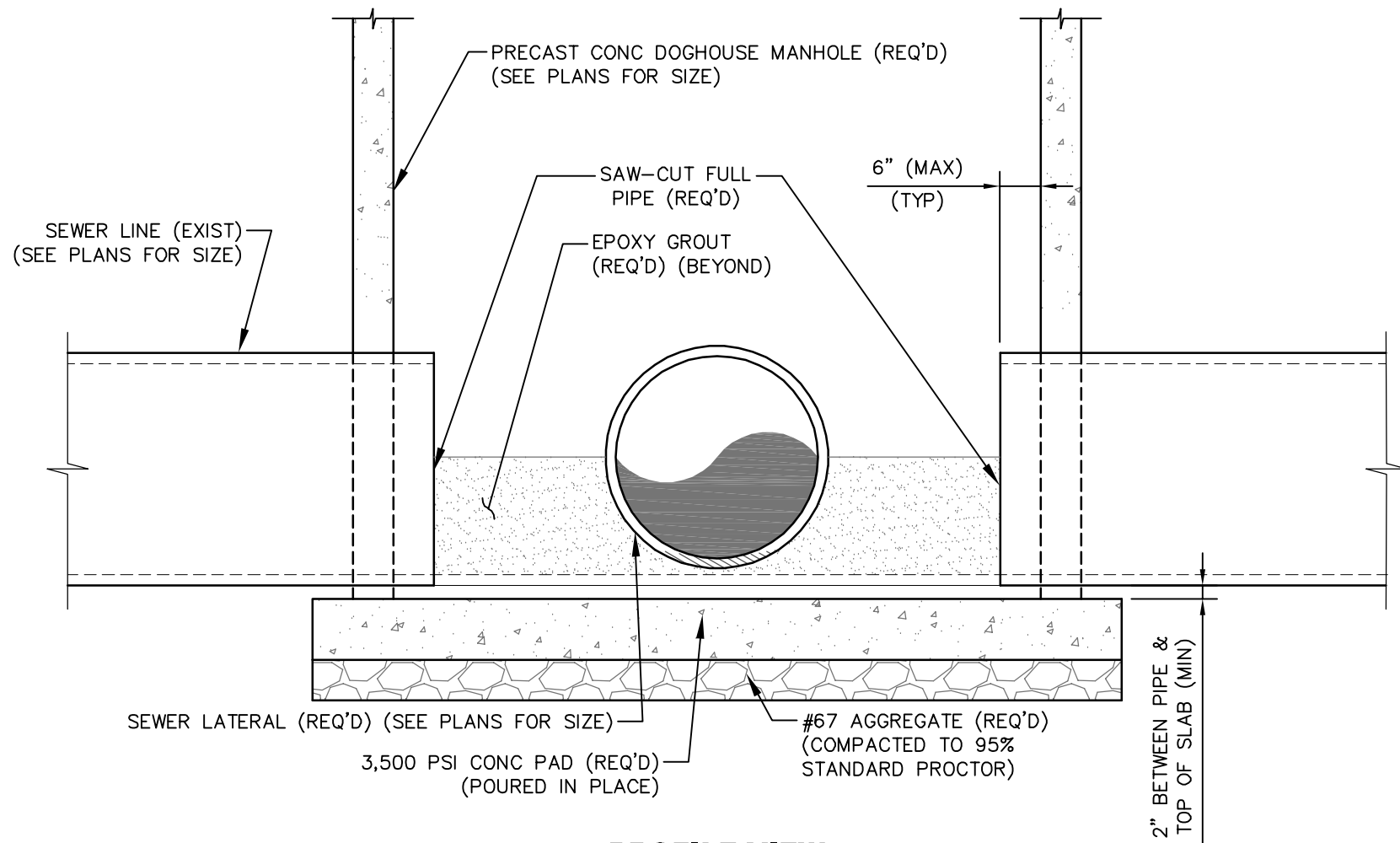
DOGHOUSE MANHOLE NOTES:

1. FLOW SHALL BE MAINTAINED DURING CONSTRUCTION.
2. THIS DETAIL SHALL BE USED WHEN A LATERAL NECESSITATES CONSTRUCTION OF A NEW MANHOLE.
3. CONCRETE MANHOLE PAD SHALL BE POURED IN PLACE AND SHALL BE POURED UPON A #67 AGGREGATE BEDDING.
4. AGGREGATE BEDDING SHALL HAVE A
5. ALL PARTS OF THE DOGHOUSE MANHOLE CONSTRUCTION, CONCRETE PAD, AGGREGATE BASE, GROUT, ETC, SHALL BE PAID UNDER DOGHOUSE' MANHOLE ITEM.

MINIMUM DEPTH OF 6" AND SHALL BE COMPACTED TO 95% STANDARD PROCTOR PRIOR TO CONSTRUCTION OF CONCRETE PAD.

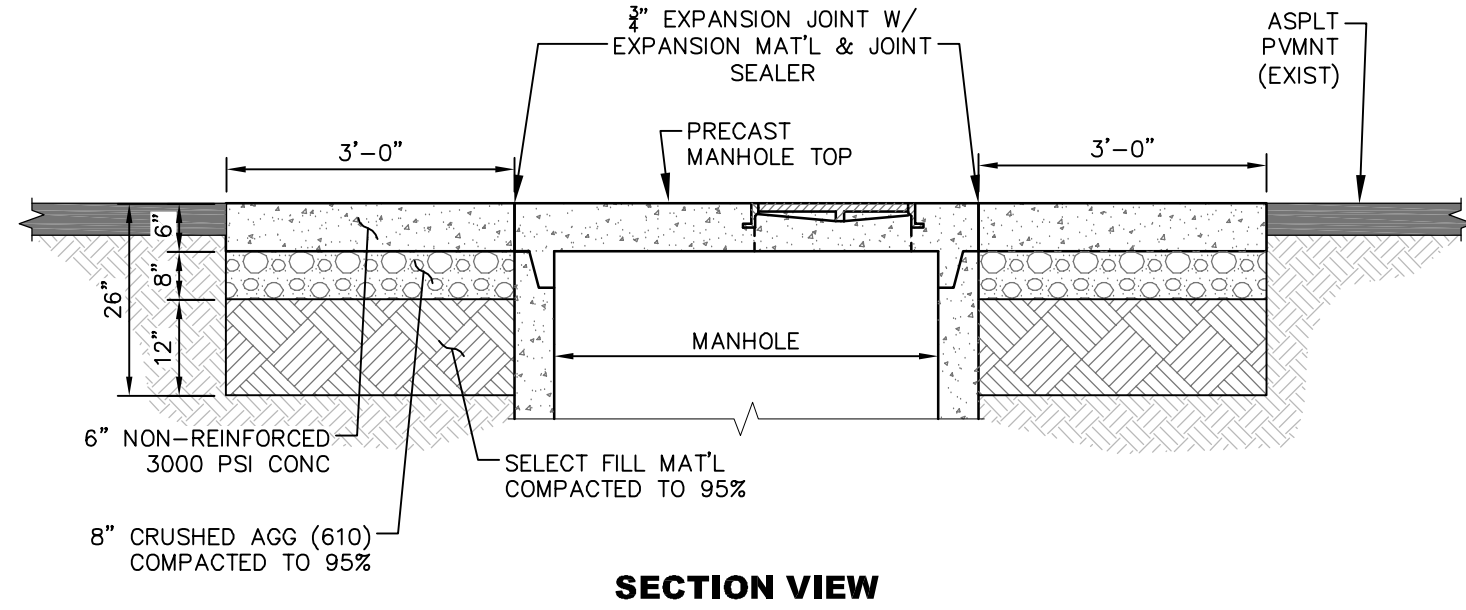


SECTION VIEW

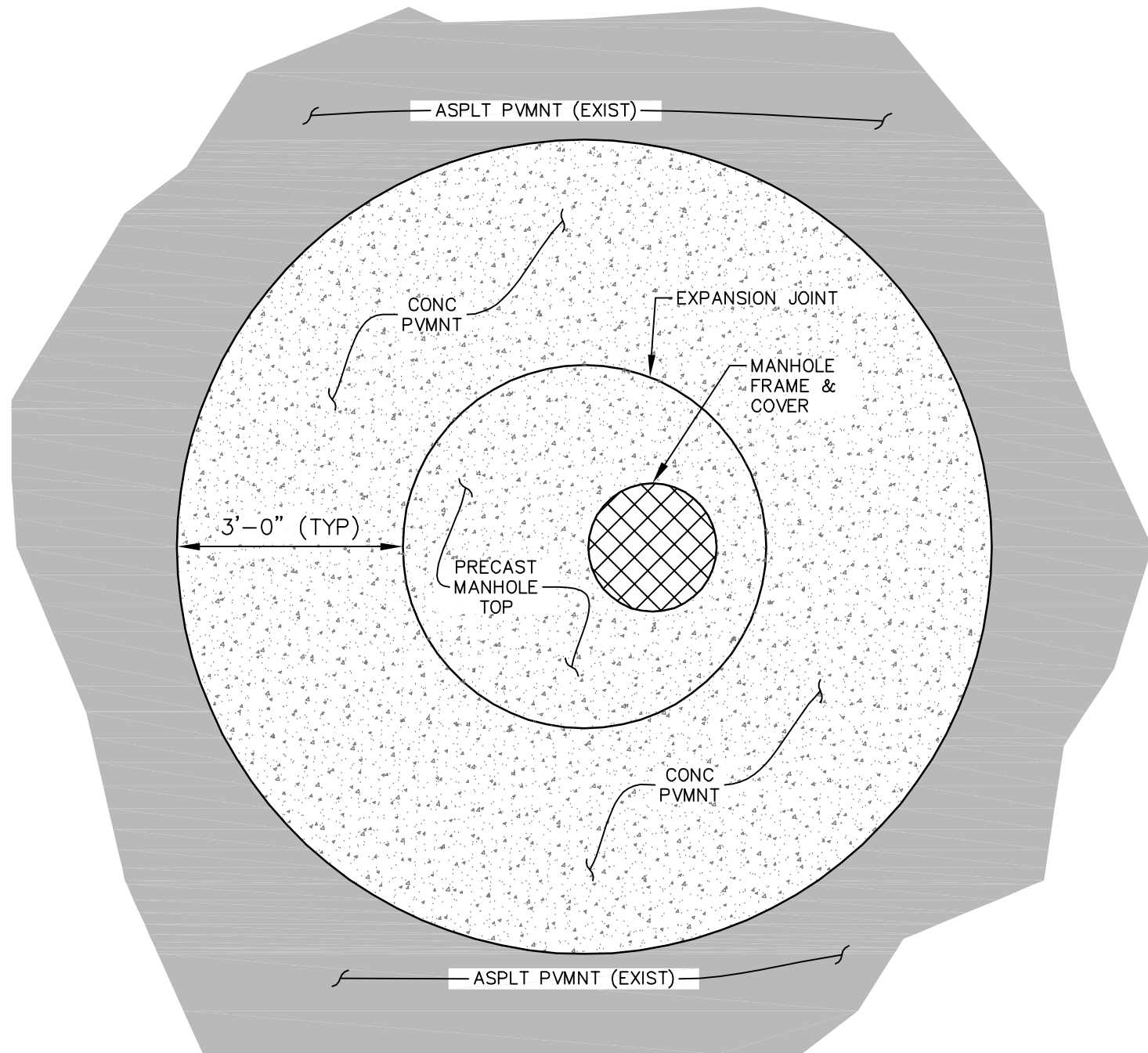


PROFILE VIEW

DOGHOUSE MANHOLE DETAIL

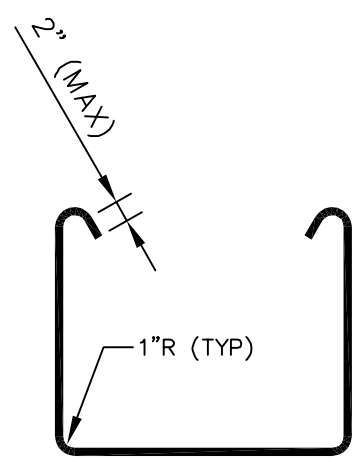


SECTION VIEW

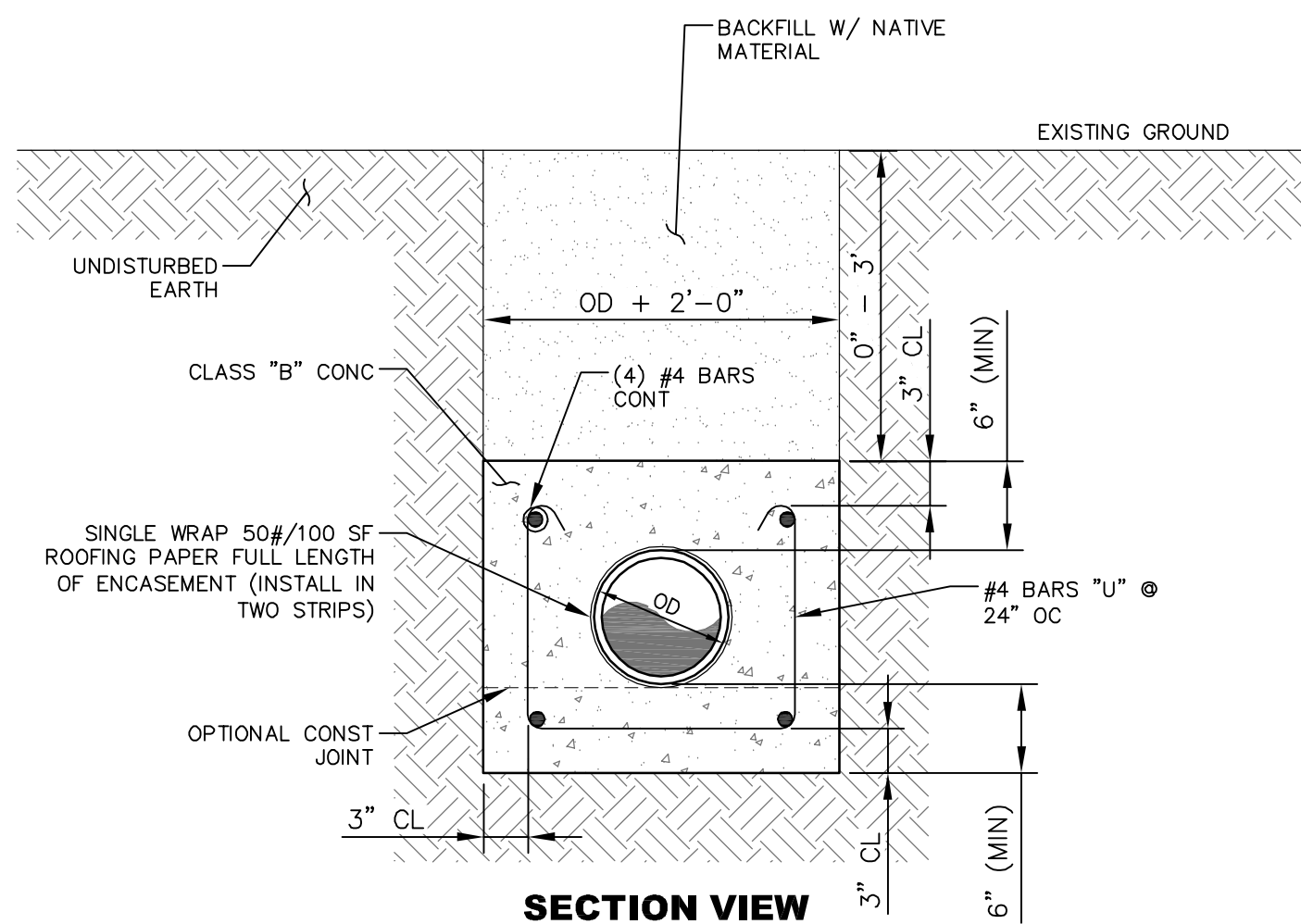


PLAN VIEW

TYPICAL ADDITIONAL PAVING DETAIL @ FLAT TOP MANHOLE

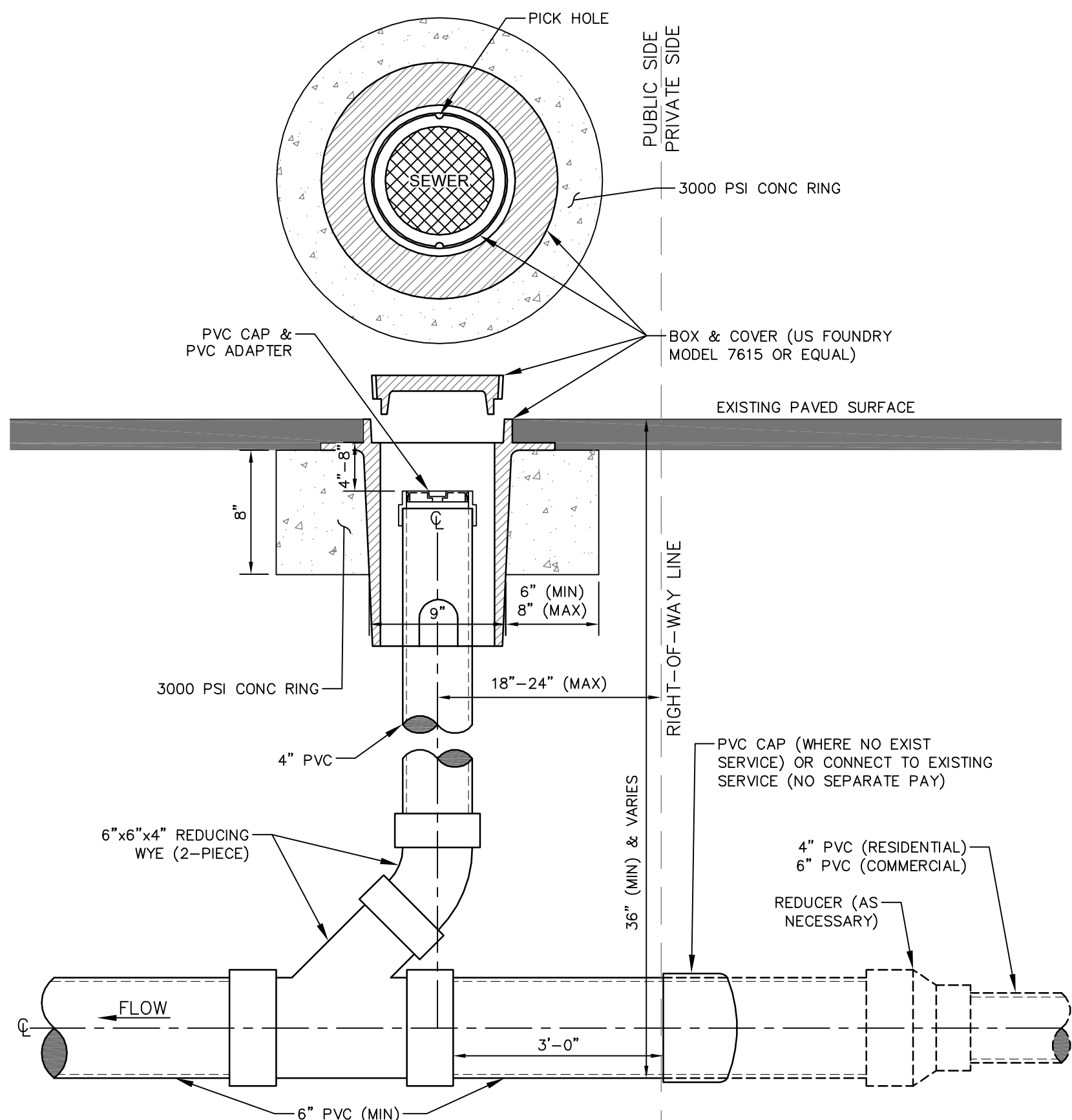


BAR "U" DETAIL



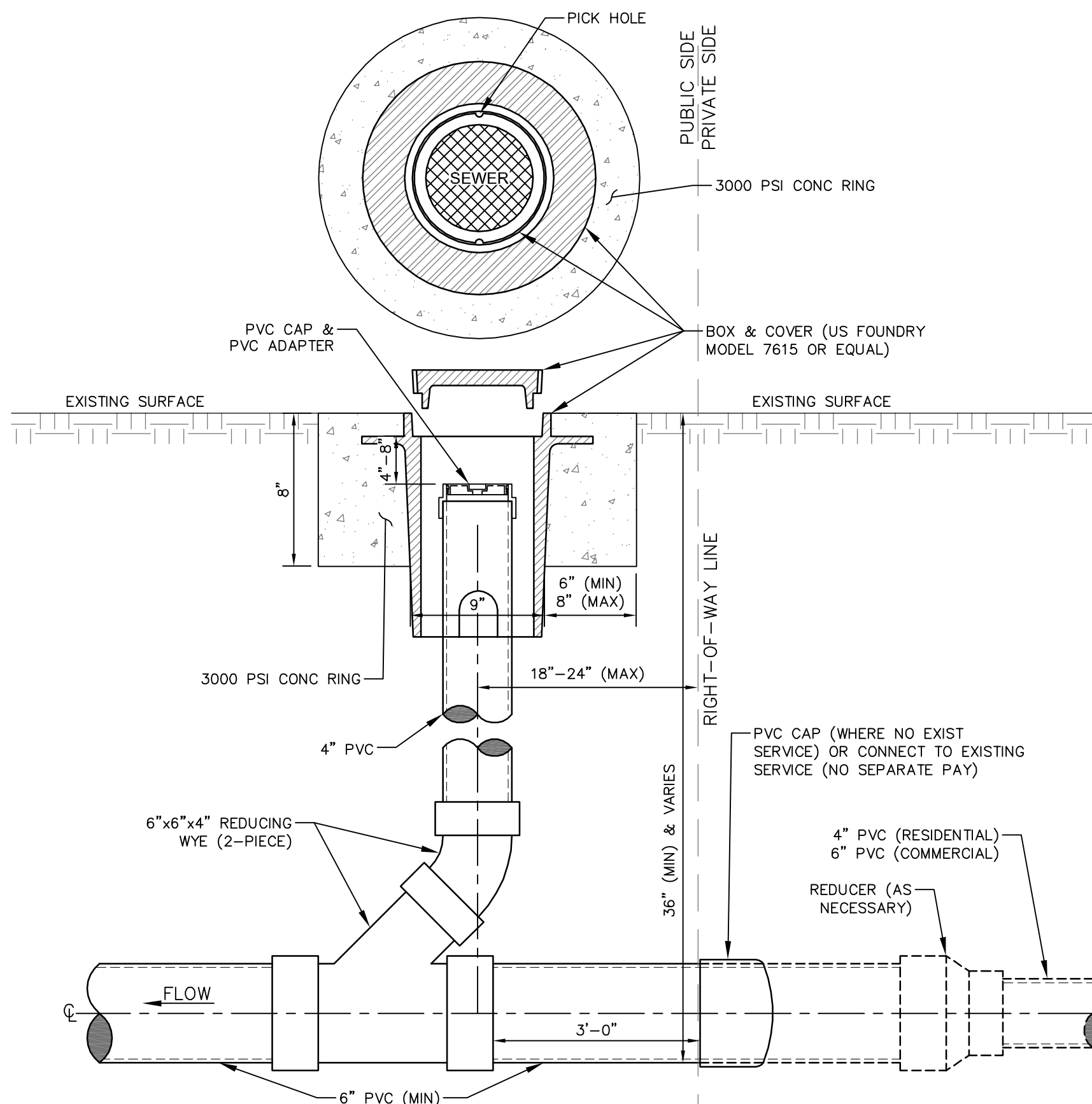
SECTION VIEW

CONCRETE ENCASMENT FOR LOW COVER DETAIL



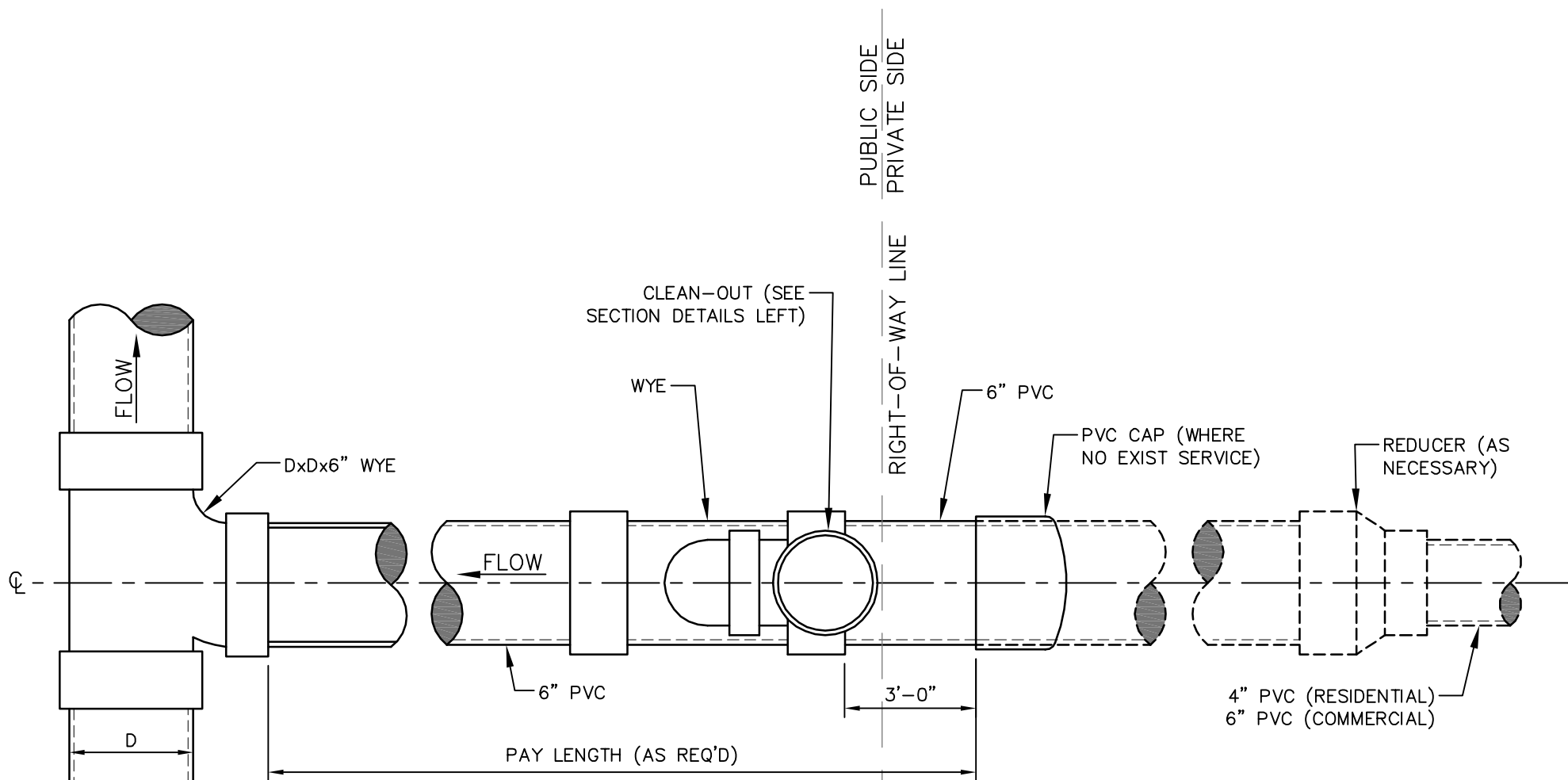
SANITARY SEWER CLEANOUT DETAIL - SECTION VIEW

FOR PAVED AREA



SANITARY SEWER CLEANOUT DETAIL - SECTION VIEW

FOR NON-PAVED AREA



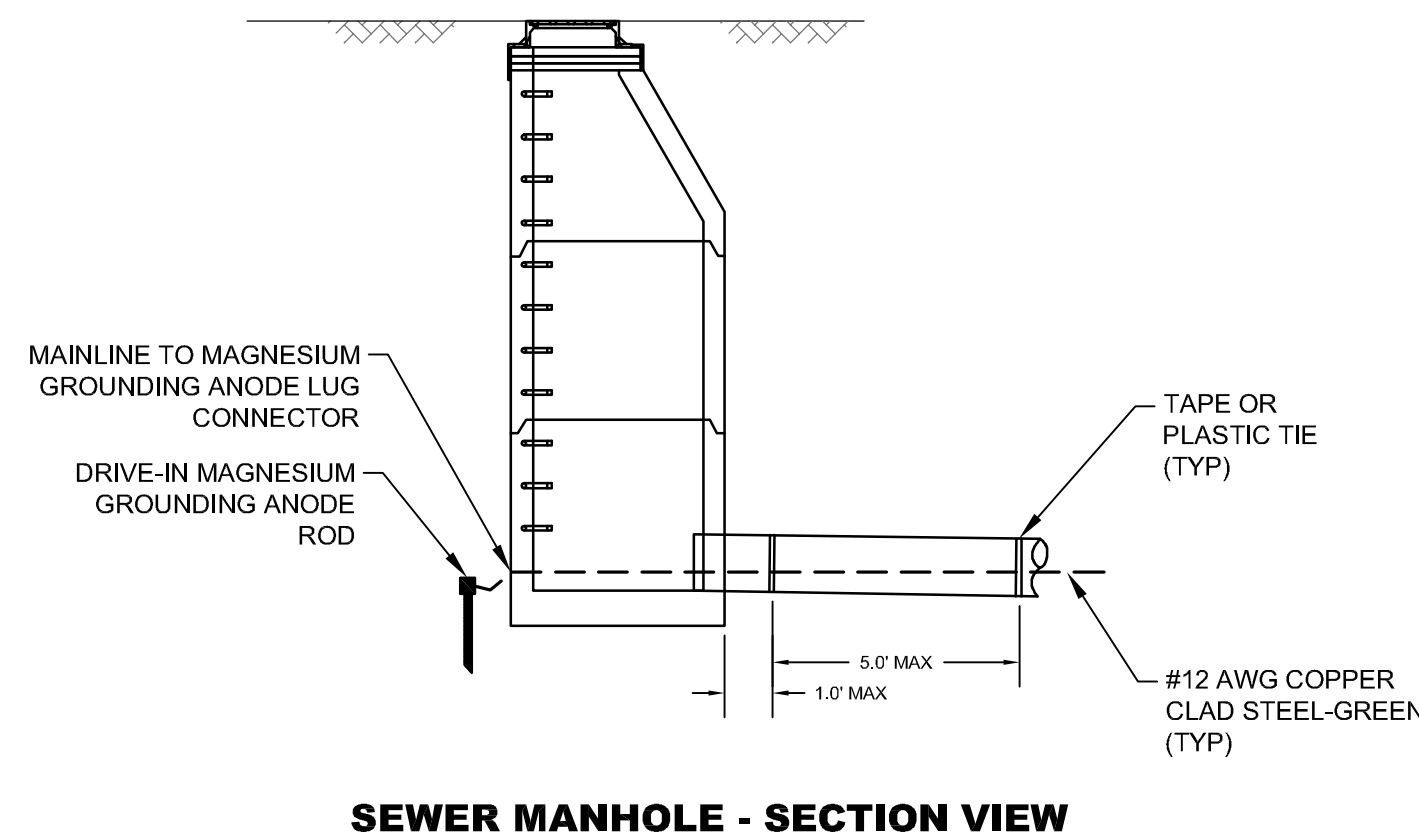
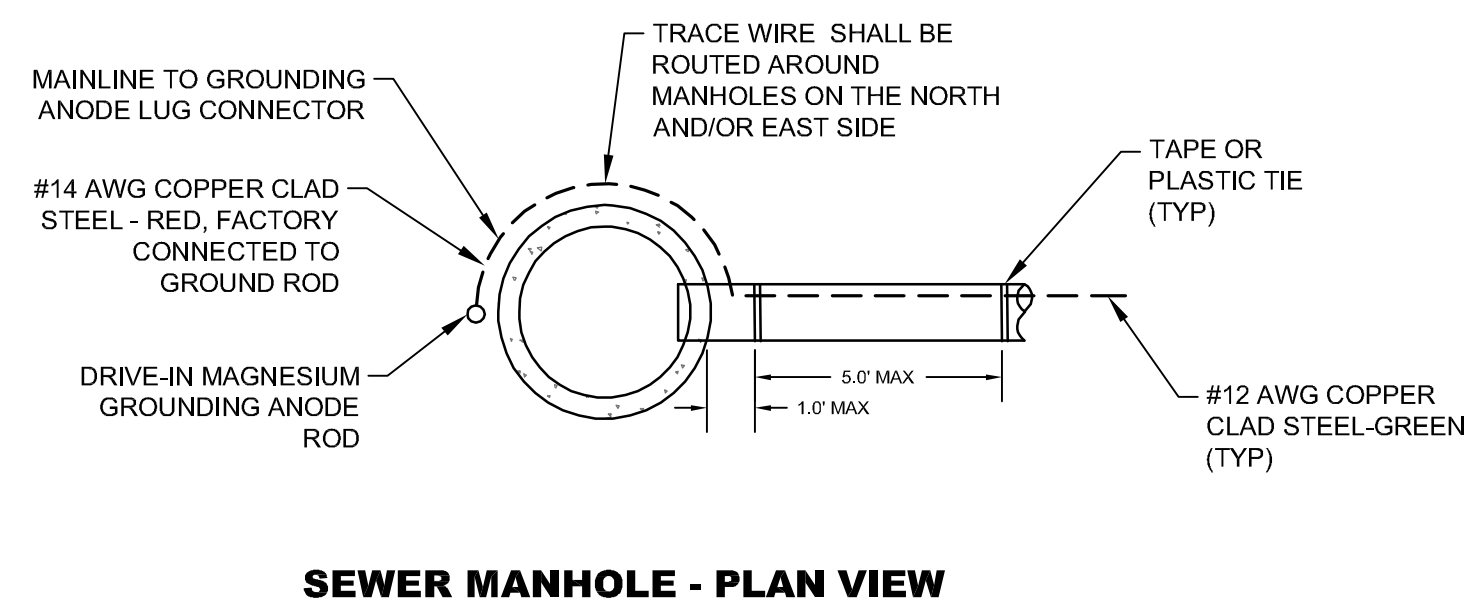
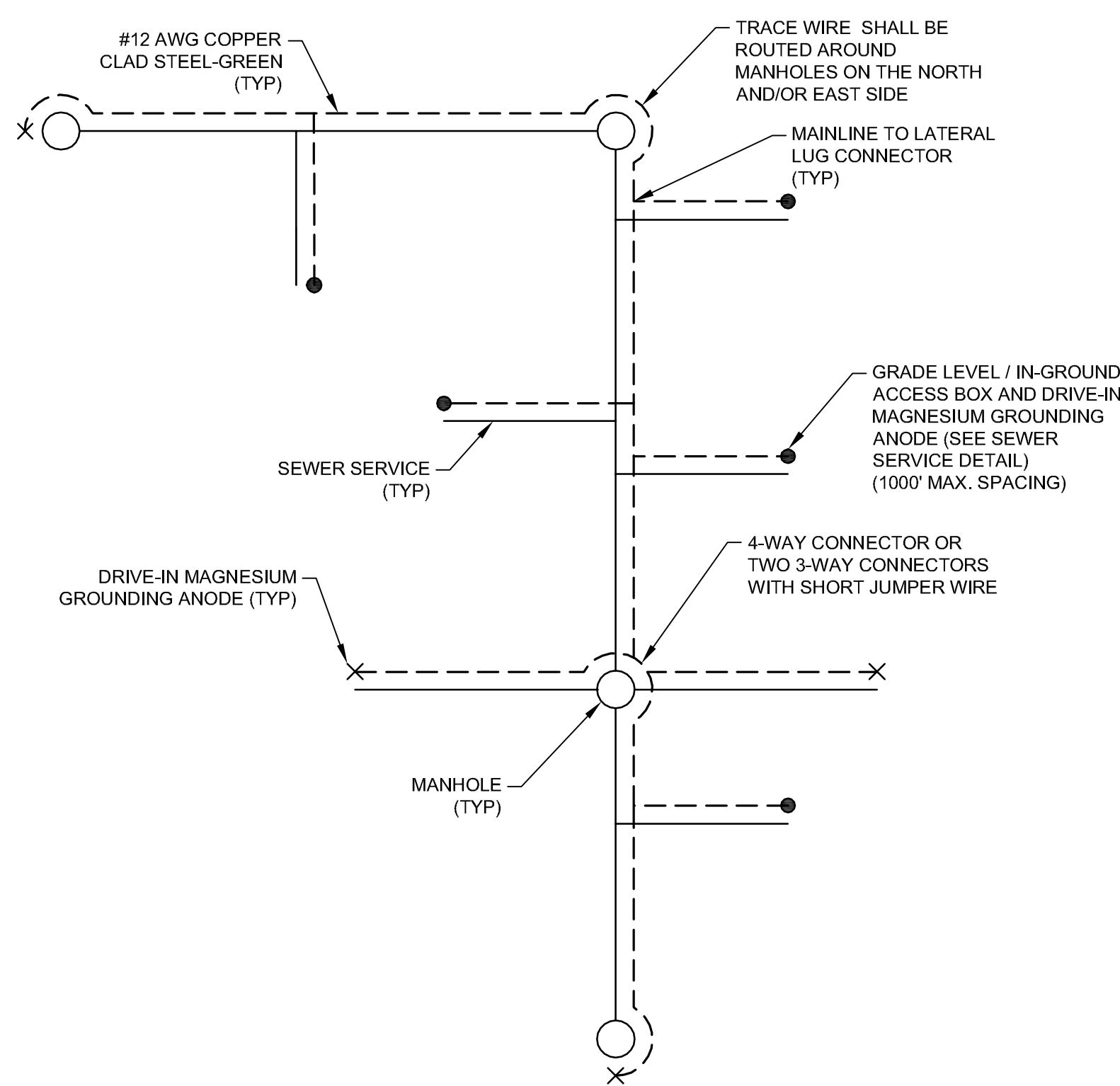
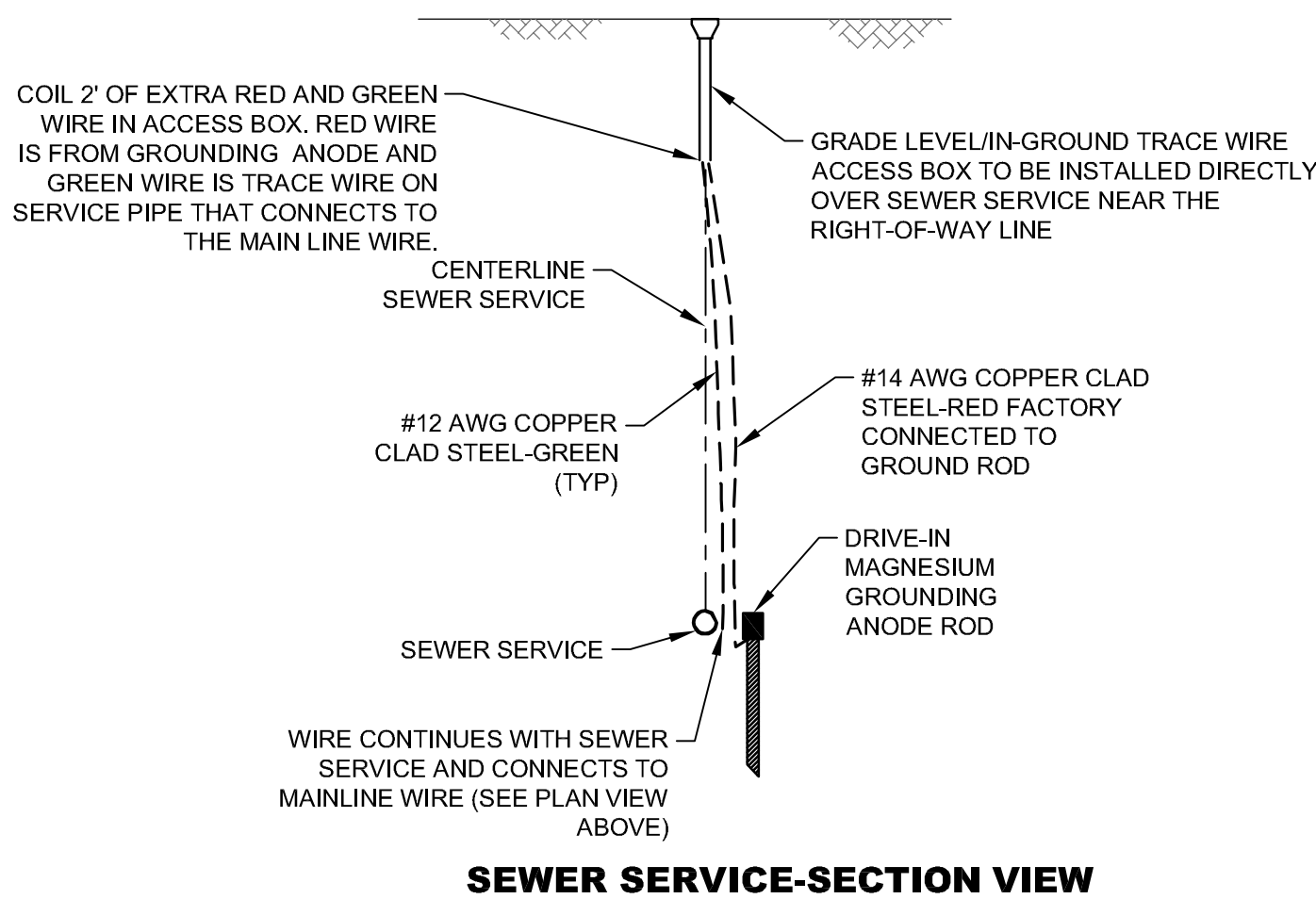
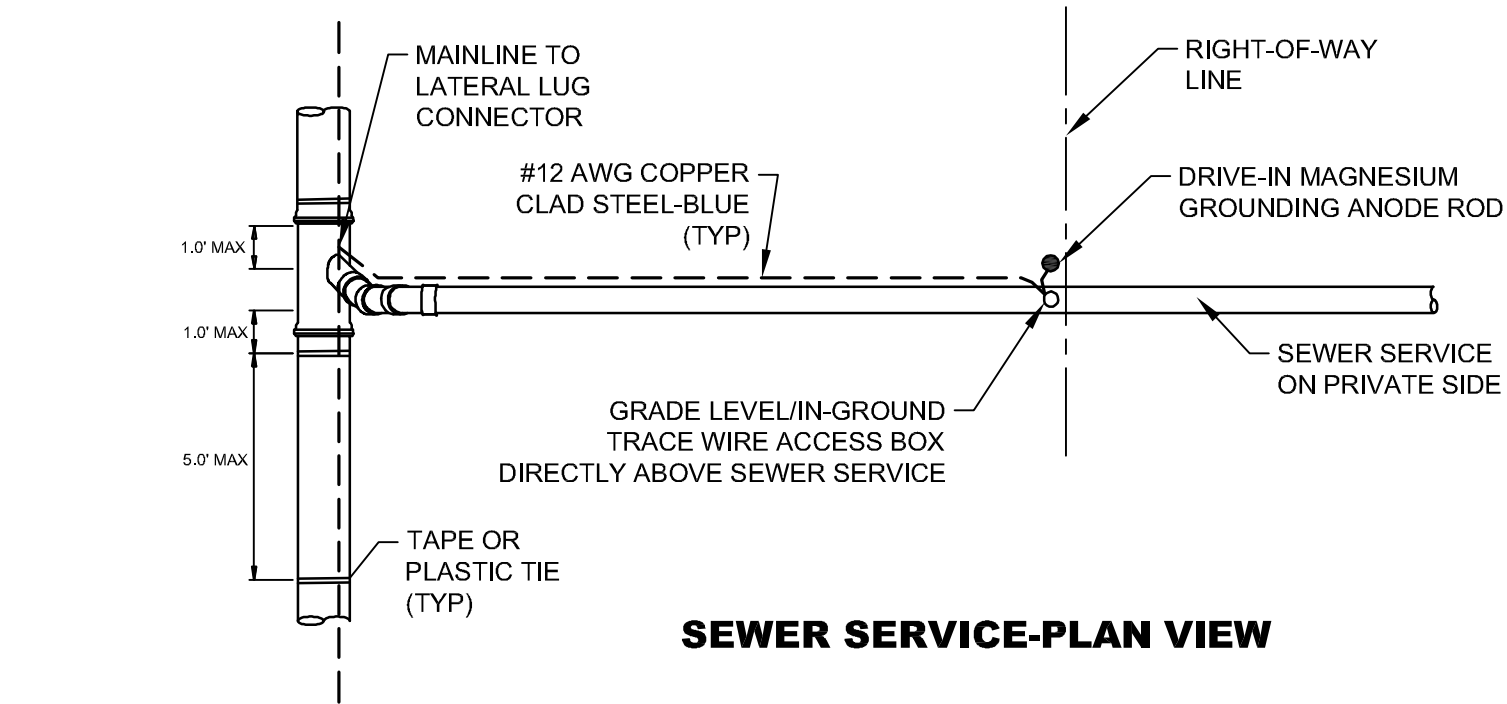
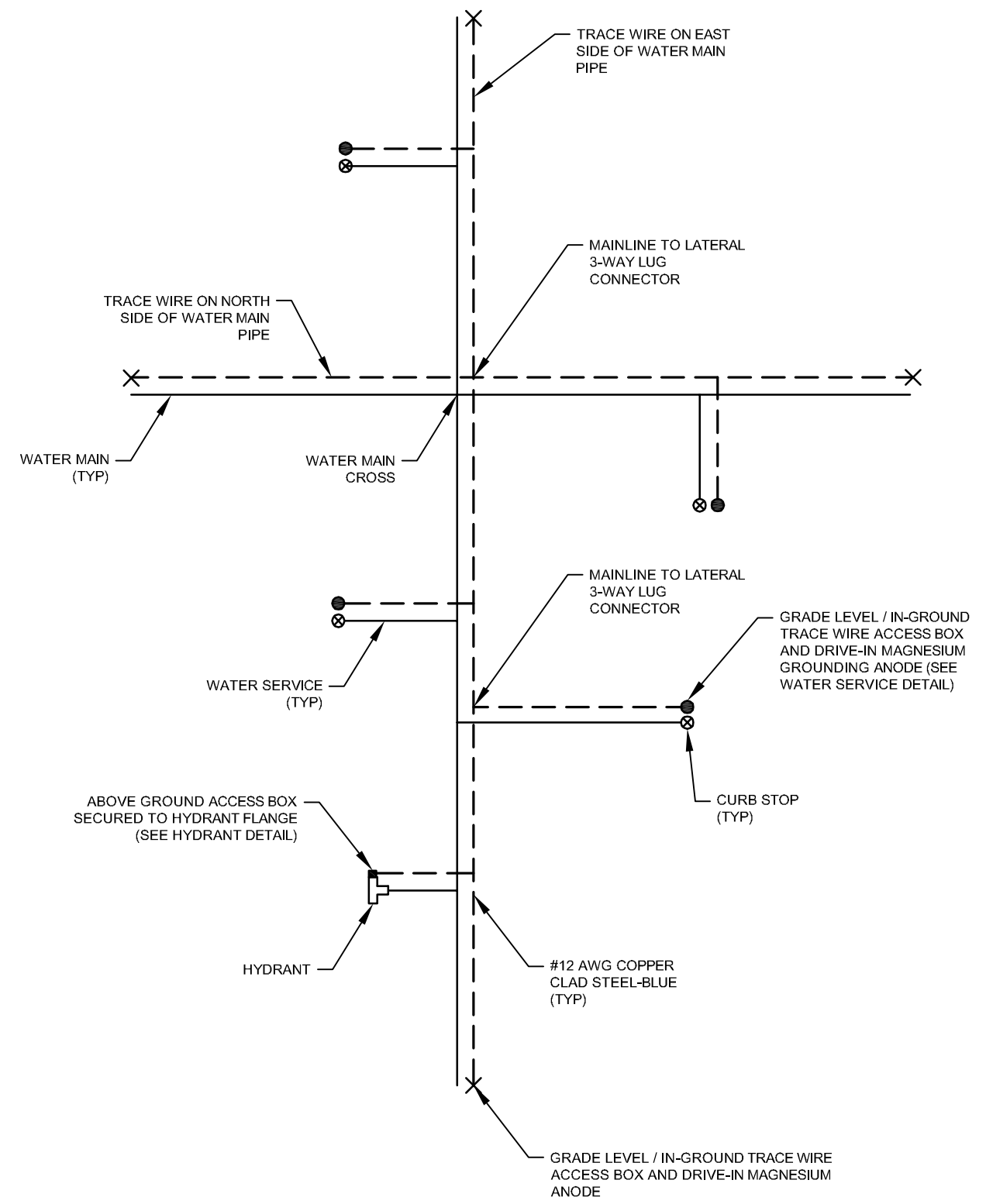
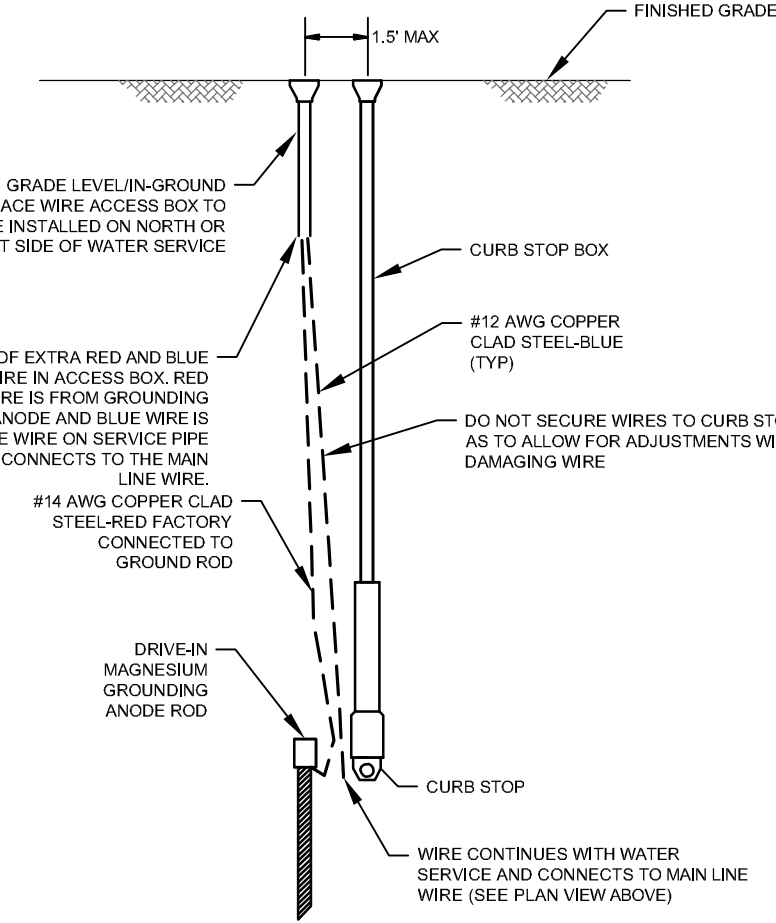
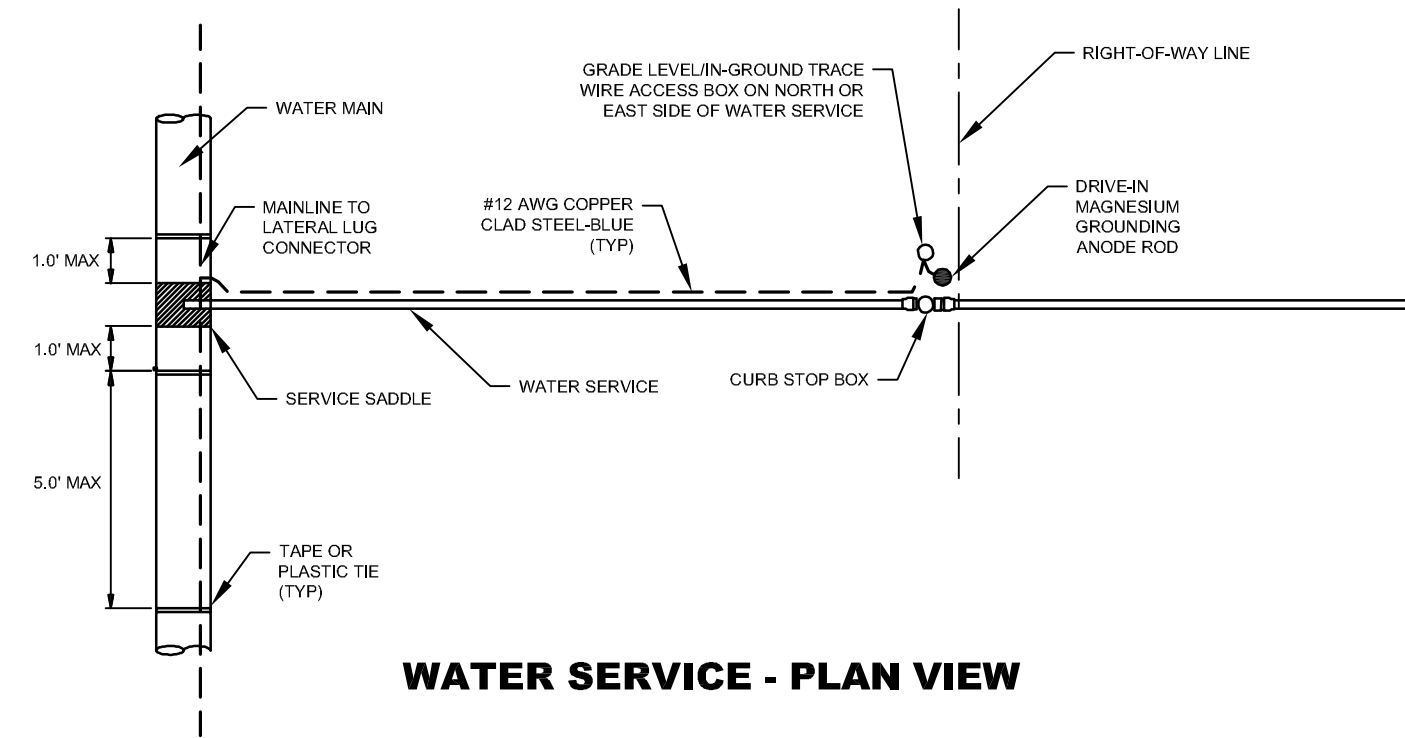
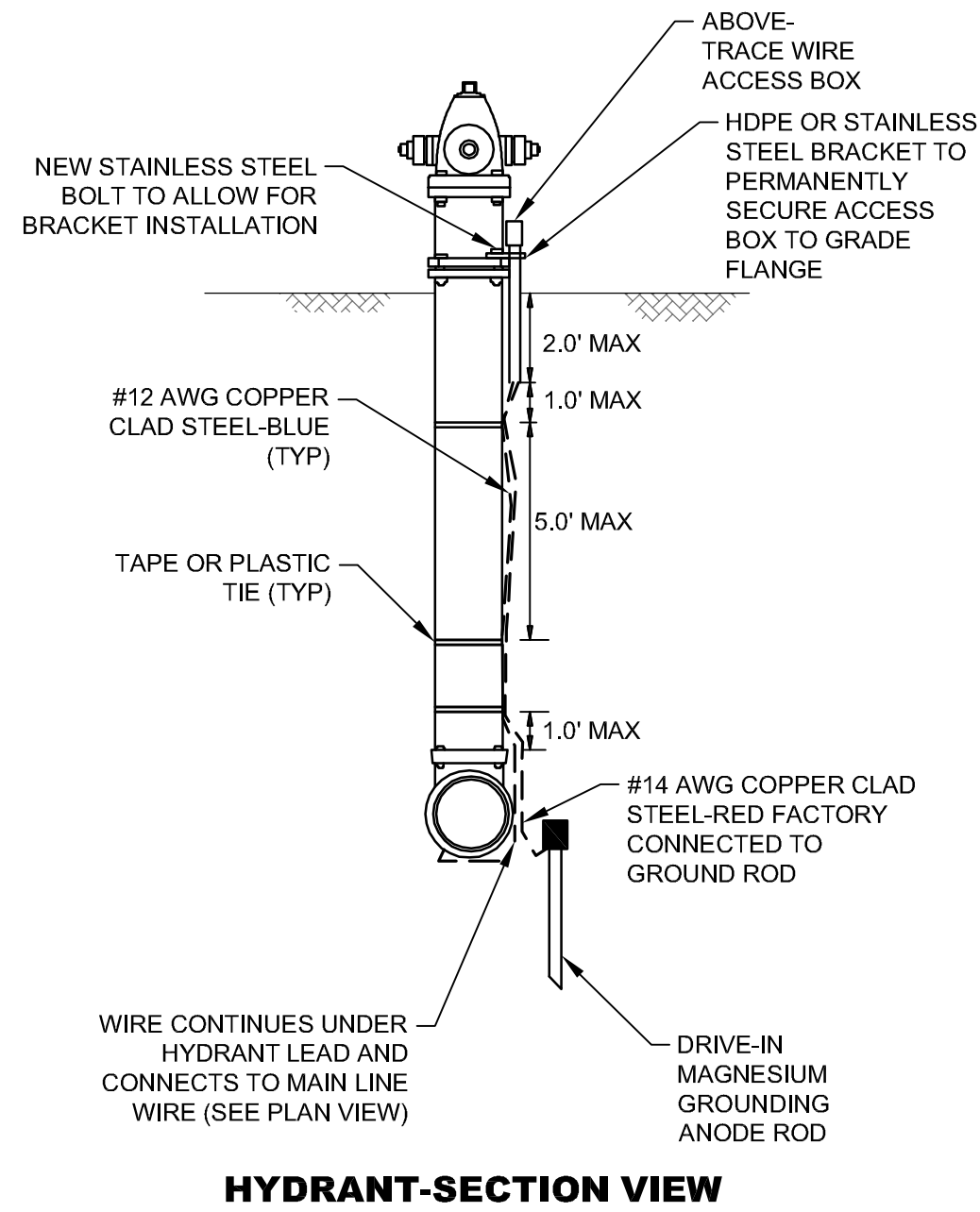
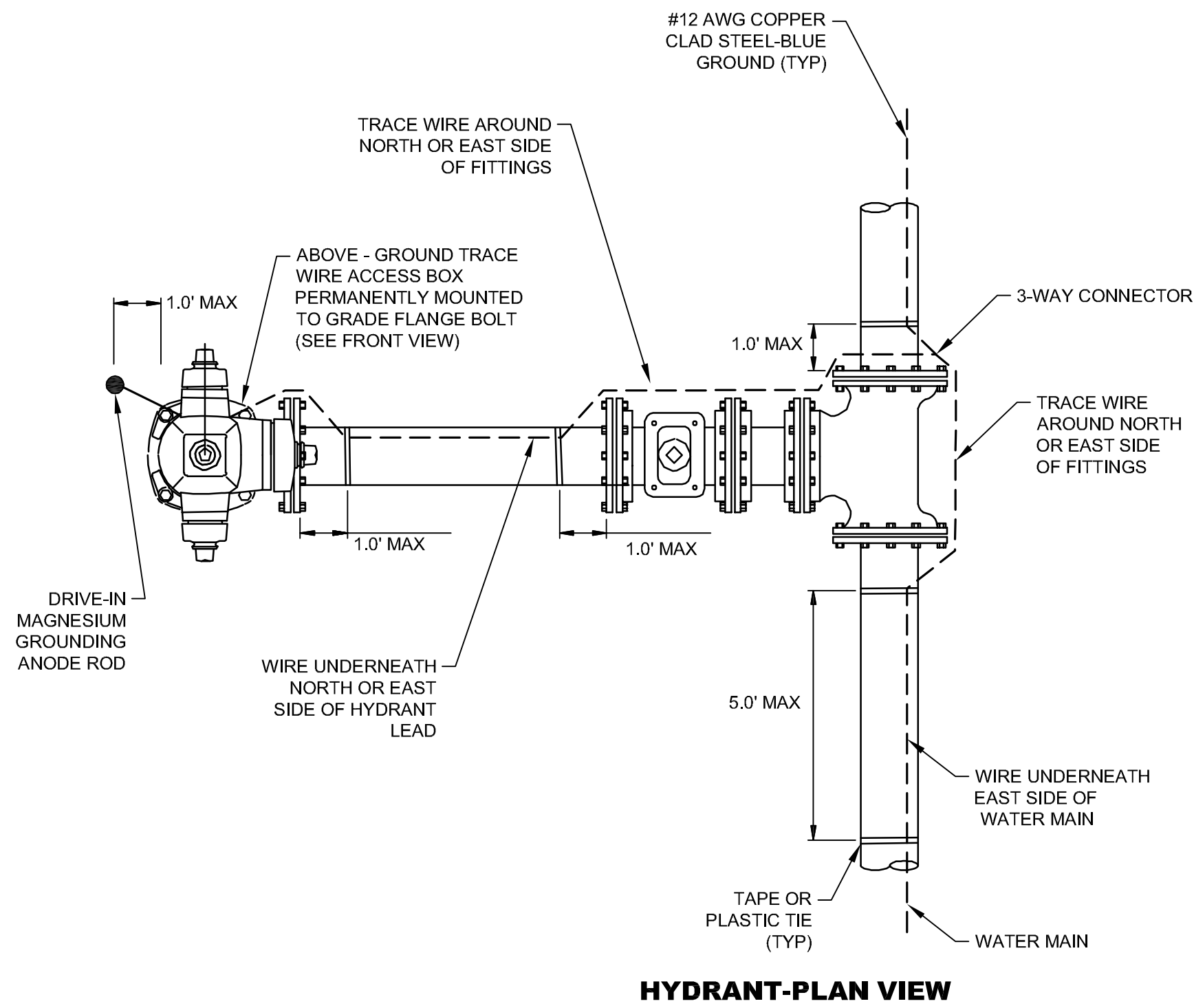
SERVICE CONNECTION - PLAN VIEW

CLEANOUT NOTE:

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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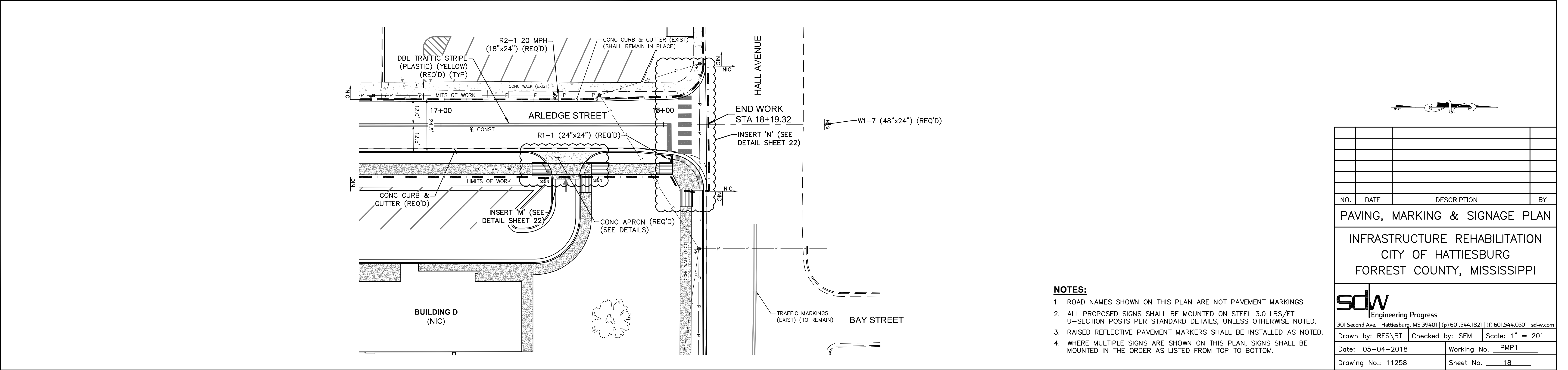
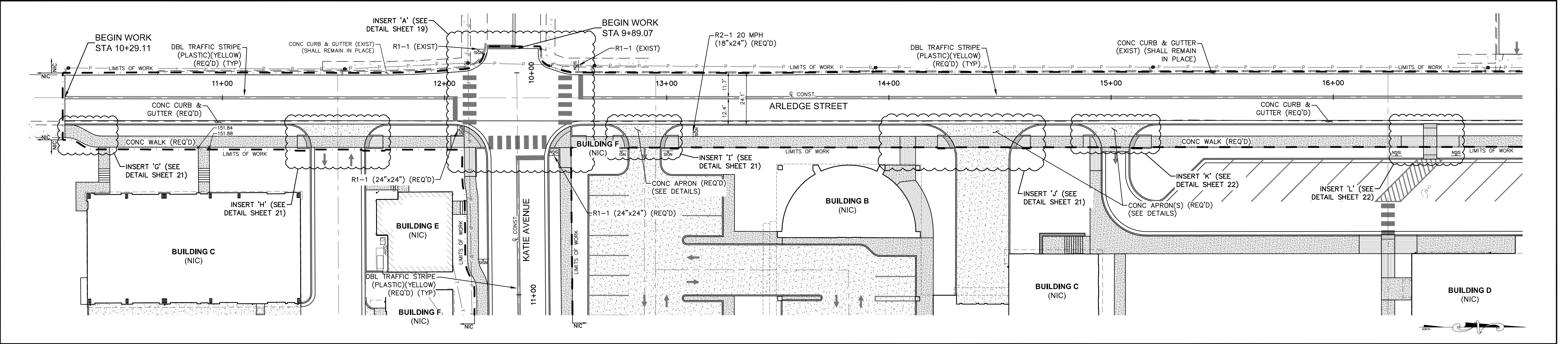
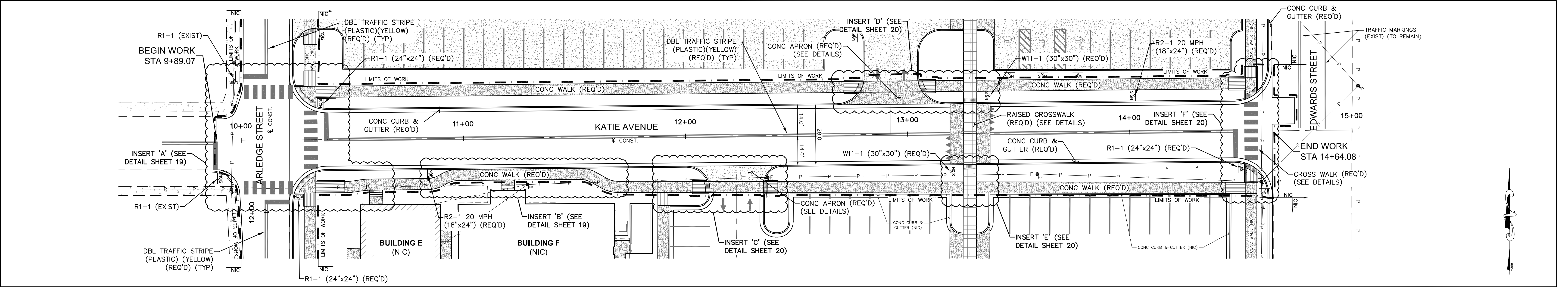
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NOTE:
WIRE SHOWN AWAY FROM PIPE FOR CLARITY. WIRE SHALL BE INSTALLED ON THE BOTTOM SIDE OF THE PIPE BELOW THE SPRING LINE. THE WIRE SHALL BE FASTENED TO THE PIPE WITH TAPE OR PLASTIC TIES AT 5' INTERVALS.

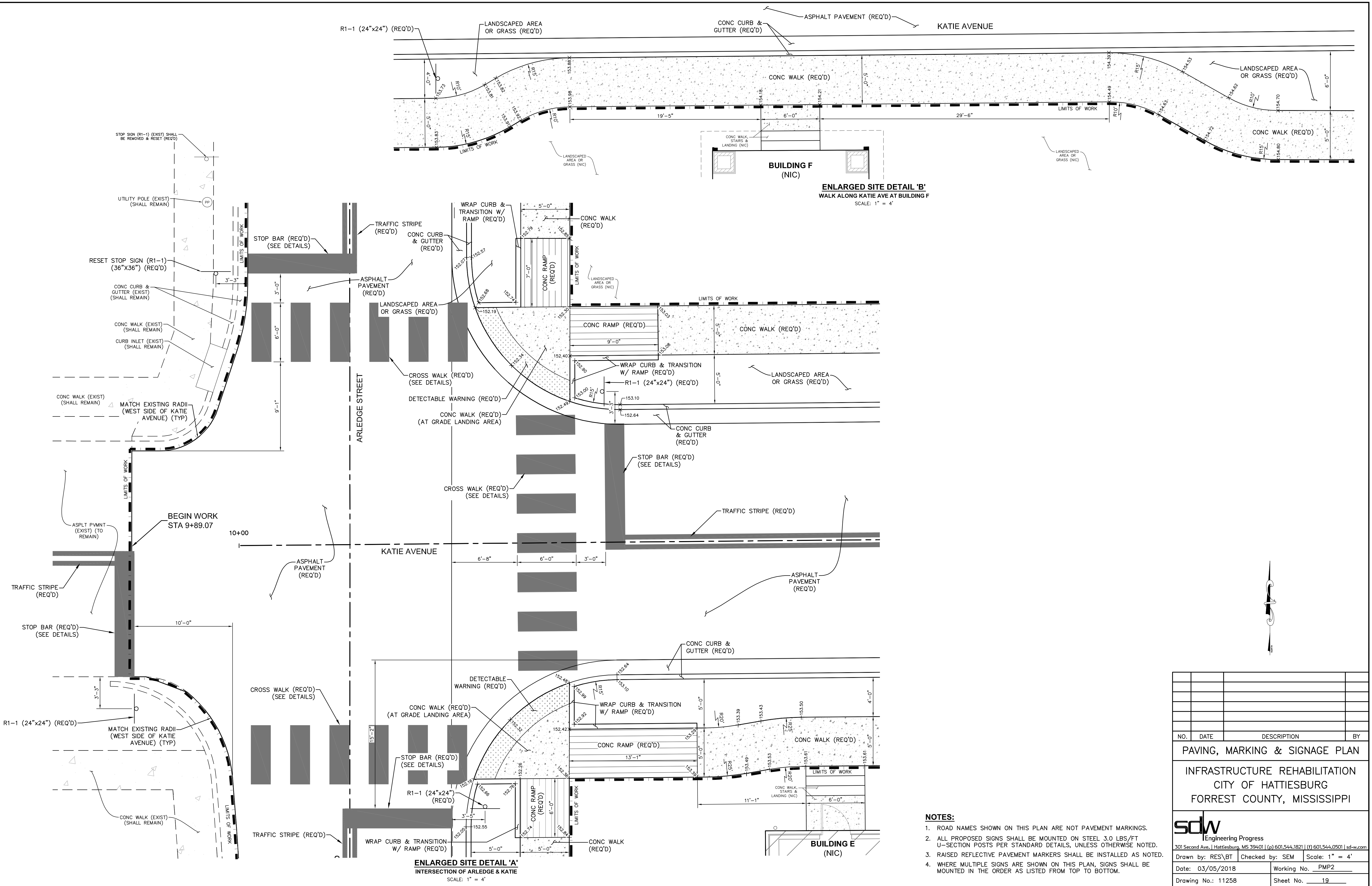
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TRACER WIRE DETAILS			
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Date: 05-04-2018		Working No. <u>TWD1</u>	
Drawing No.: 11258		Sheet No. <u>17</u>	

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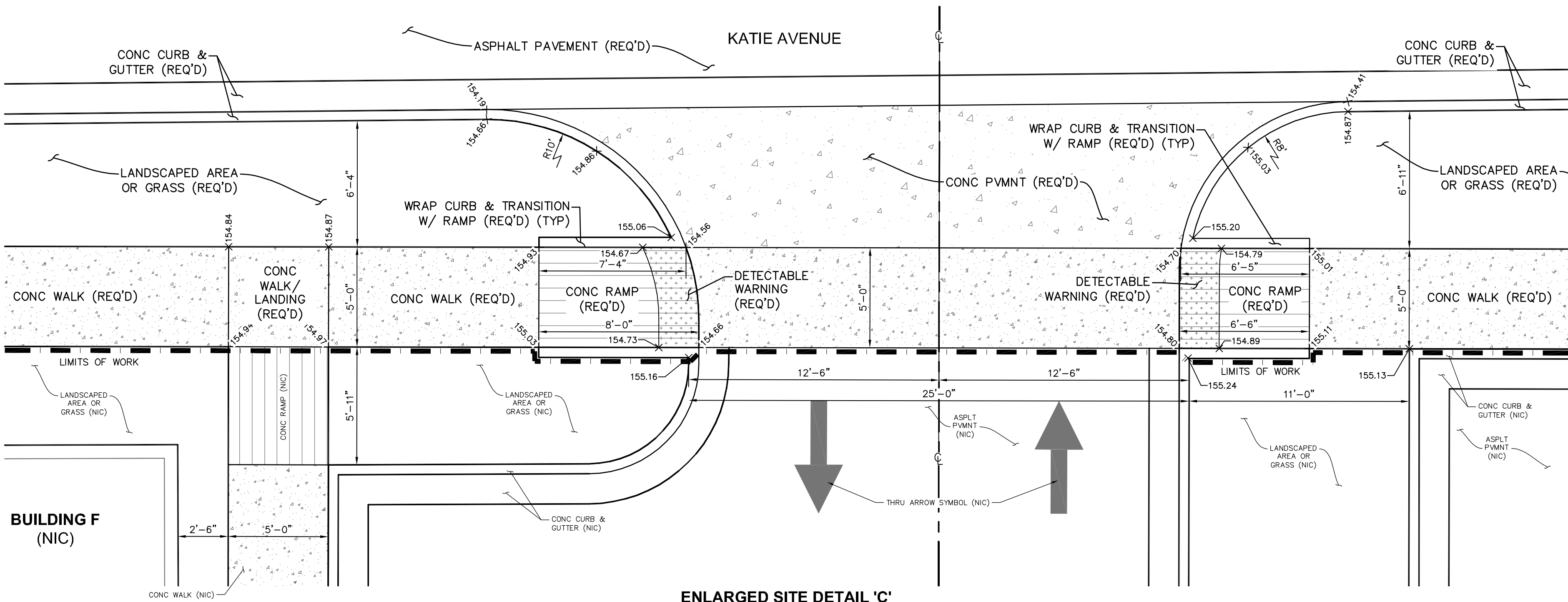
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PAVING, MARKING & SIGNAGE PLAN			
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Drawn by: RES\BT	Checked by: SEM	Scale: 1" = 20'	
Date: 05-04-2018	Working No. PMP1		
Drawing No.: 11258	Sheet No. 18		

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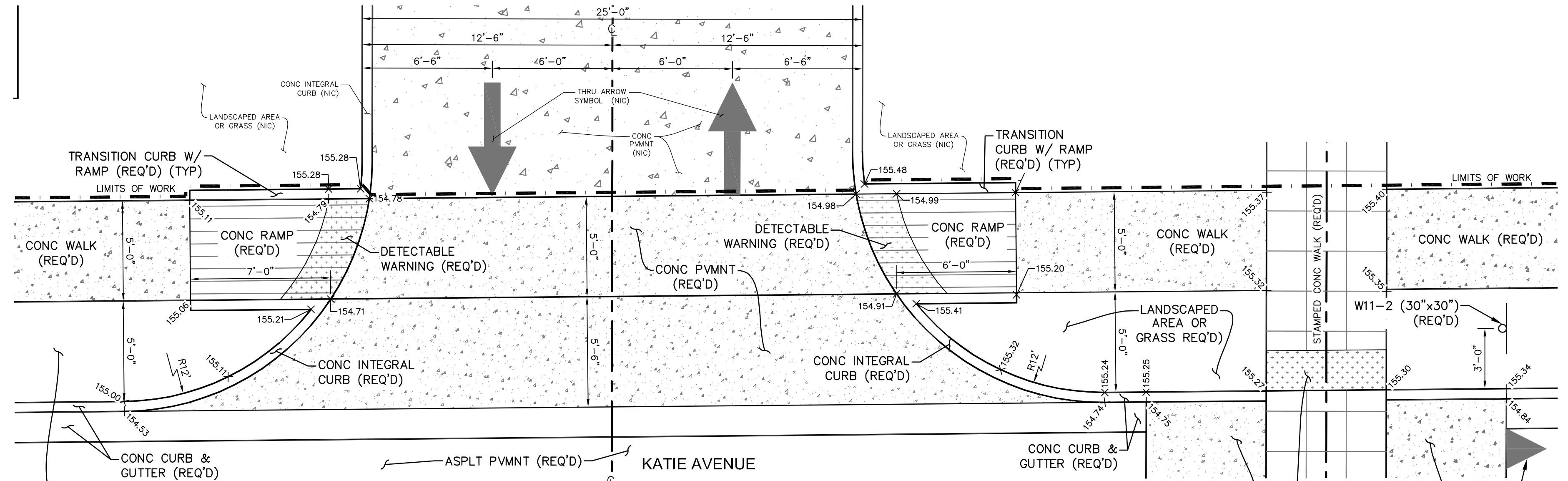


- NOTES:**
1. ROAD NAMES SHOWN ON THIS PLAN ARE NOT PAVEMENT MARKINGS.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON STEEL 3.0 LBS/FT U-SECTION POSTS PER STANDARD DETAILS, UNLESS OTHERWISE NOTED.
 3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED AS NOTED.
 4. WHERE MULTIPLE SIGNS ARE SHOWN ON THIS PLAN, SIGNS SHALL BE MOUNTED IN THE ORDER AS LISTED FROM TOP TO BOTTOM.

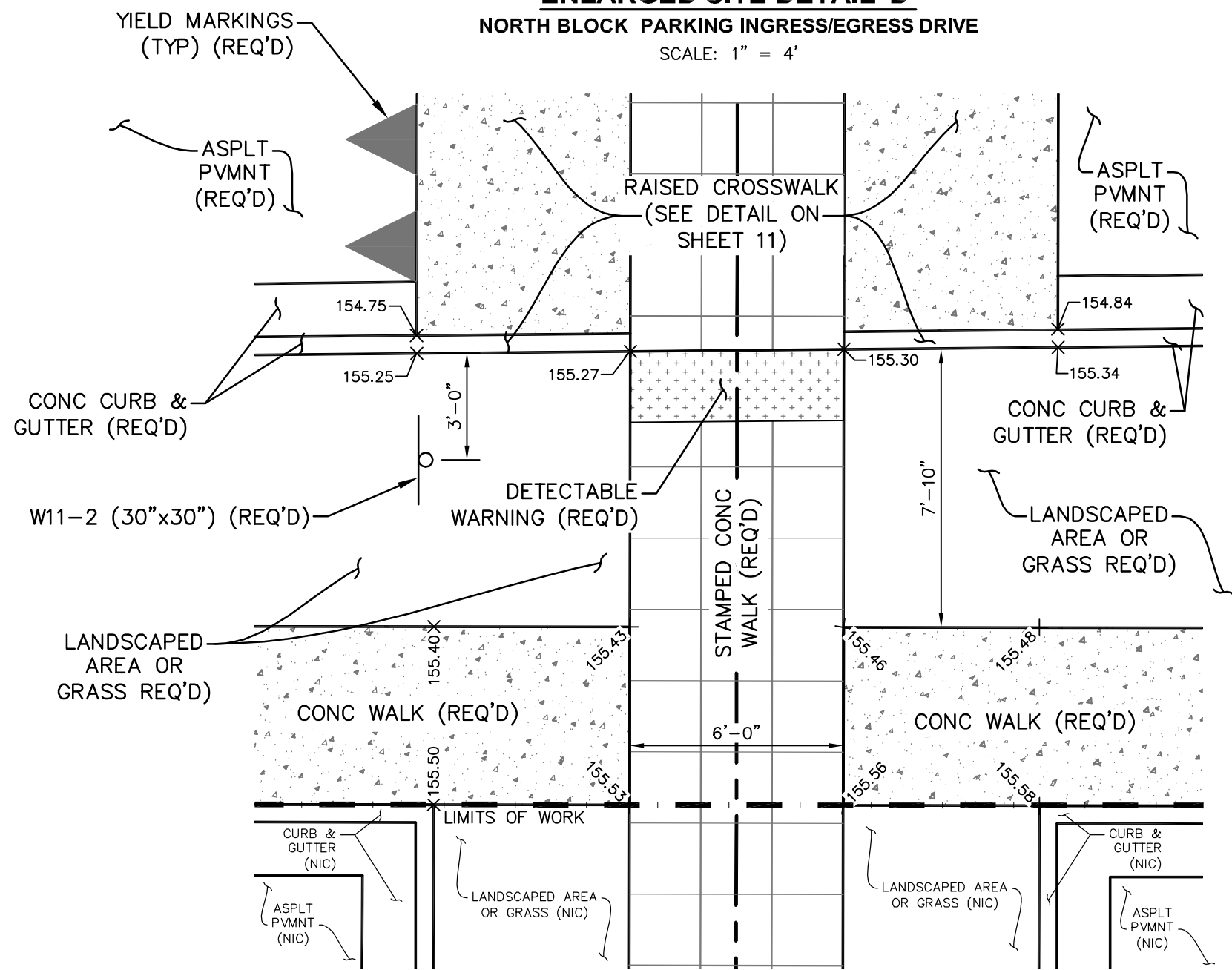
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PAVING, MARKING & SIGNAGE PLAN			
INFRASTRUCTURE REHABILITATION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: RES\BT	Checked by: SEM	Scale: 1" = 4'	
Date: 03/05/2018	Working No. PMP2		
Drawing No.: 11258	Sheet No. 19		



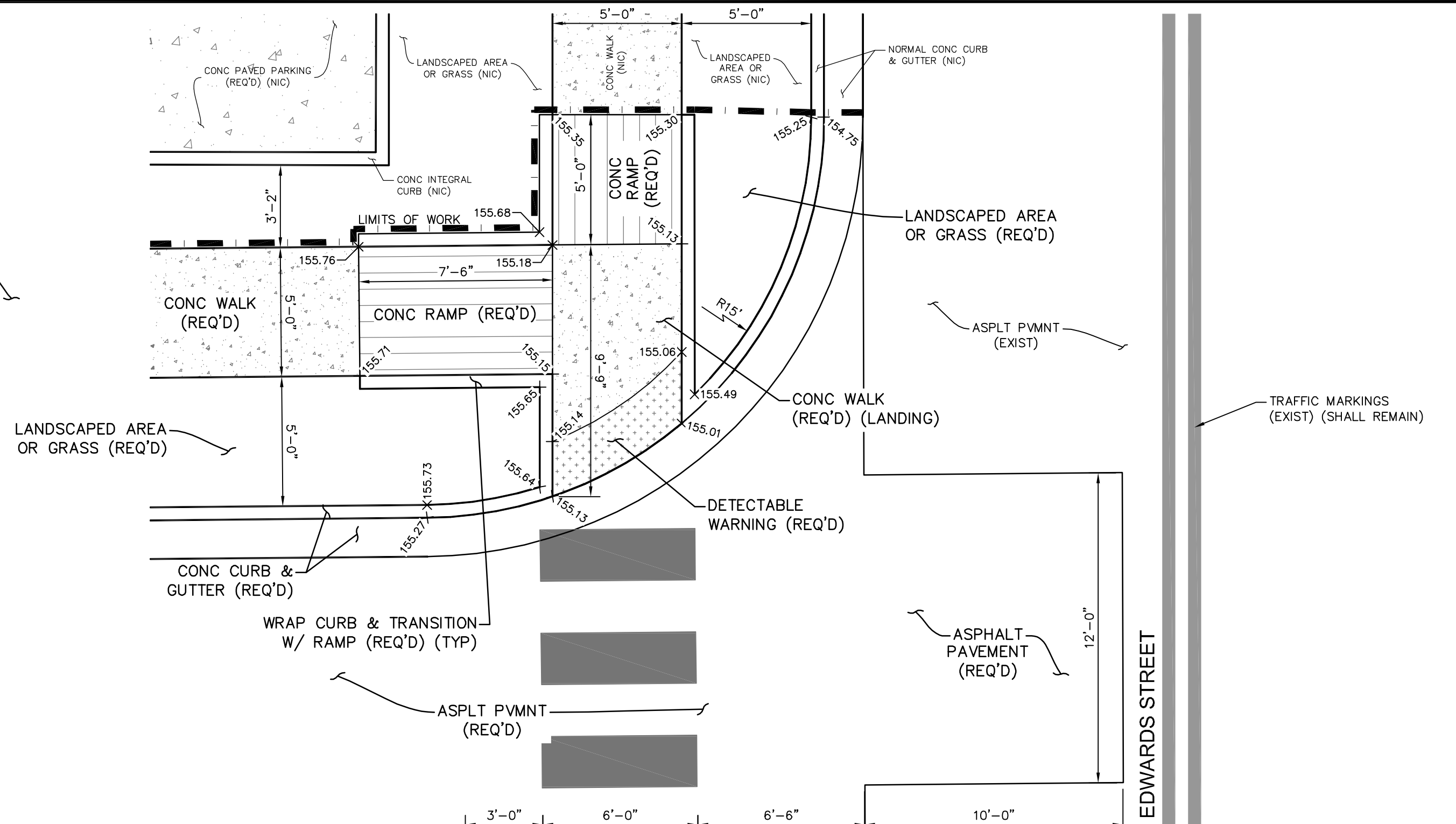
ENLARGED SITE DETAIL 'C'
PUBLIC PARKING ACCESS DRIVE (NORTH ENTRANCE)
SCALE: 1" = 4'



ENLARGED SITE DETAIL 'D'
NORTH BLOCK PARKING INGRESS/EGRESS DRIVE
SCALE: 1" = 4'



ENLARGED SITE DETAIL 'E'
SOUTHSIDE OF KATIE AVENUE RAISED CROSSWALK / AT-GRADE SOUTH PARKING WALK
SCALE: 1" = 4'



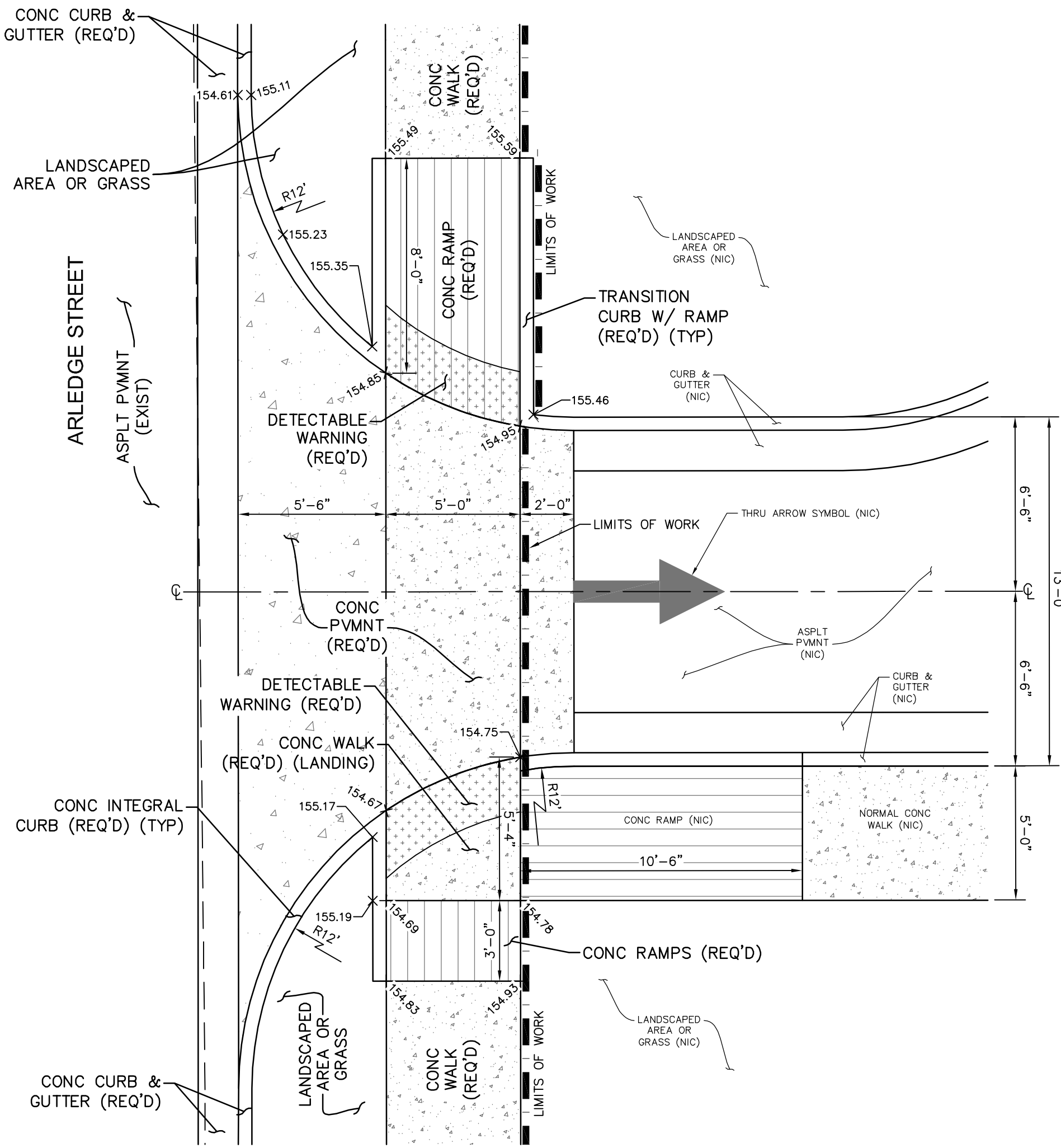
ENLARGED SITE DETAIL 'F'
CURB RAMPS @ THE INTERSECTION OF KATIE & EDWARDS
SCALE: 1" = 4'

NOTES:

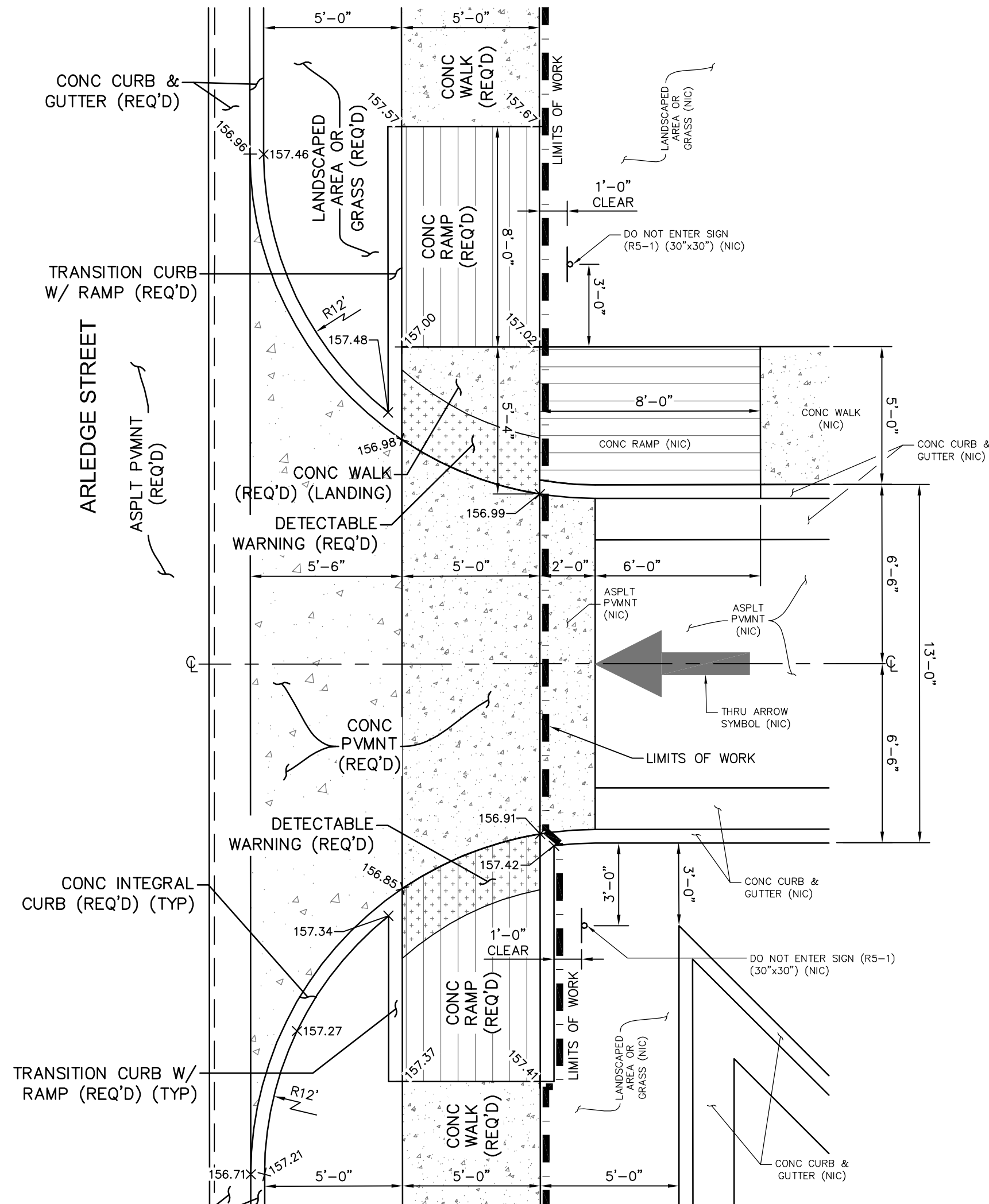
- ROAD NAMES SHOWN ON THIS PLAN ARE NOT PAVEMENT MARKINGS.
- ALL PROPOSED SIGNS SHALL BE MOUNTED ON STEEL 3.0 LBS/FT U-SECTION POSTS PER STANDARD DETAILS, UNLESS OTHERWISE NOTED.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED AS NOTED.
- WHERE MULTIPLE SIGNS ARE SHOWN ON THIS PLAN, SIGNS SHALL BE MOUNTED IN THE ORDER AS LISTED FROM TOP TO BOTTOM.

NO.	DATE	DESCRIPTION	BY
PAVING, MARKING & SIGNAGE PLAN			
INFRASTRUCTURE REHABILITATION			
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: RES\BT	Checked by: SEM	Scale: 1" = 4'	
Date: 05-04-2018	Working No. PMP3		
Drawing No.: 11258	Sheet No. 20		

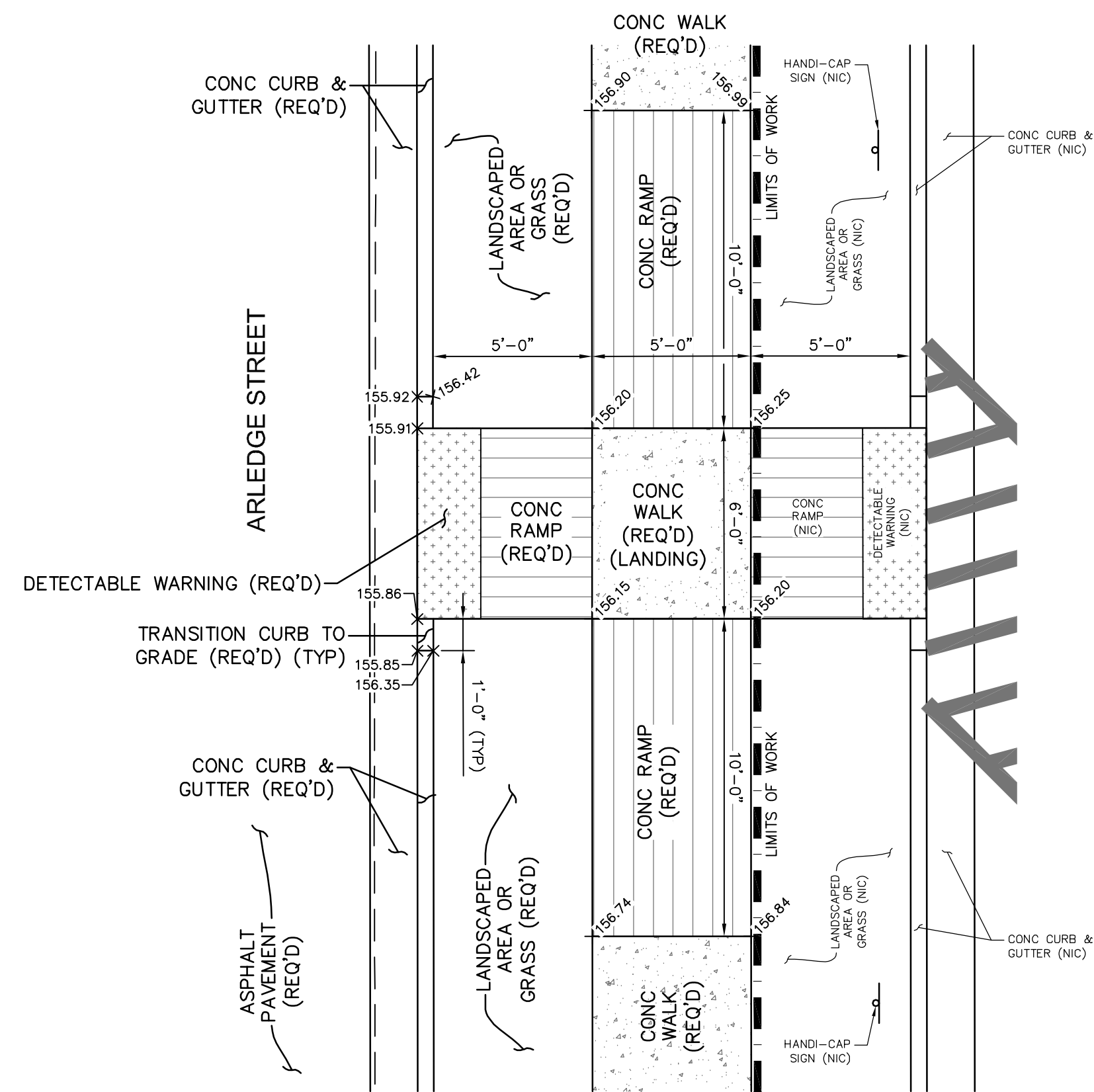
G:\PROJECTS\Other and Associates\15819 - Hattiesburg Public Safety Complex\15819 CAD Files\11258 City CAD\11258_MH\gdrdwg_PMP5.dwg, 5/10/2018 11:58:51 PM



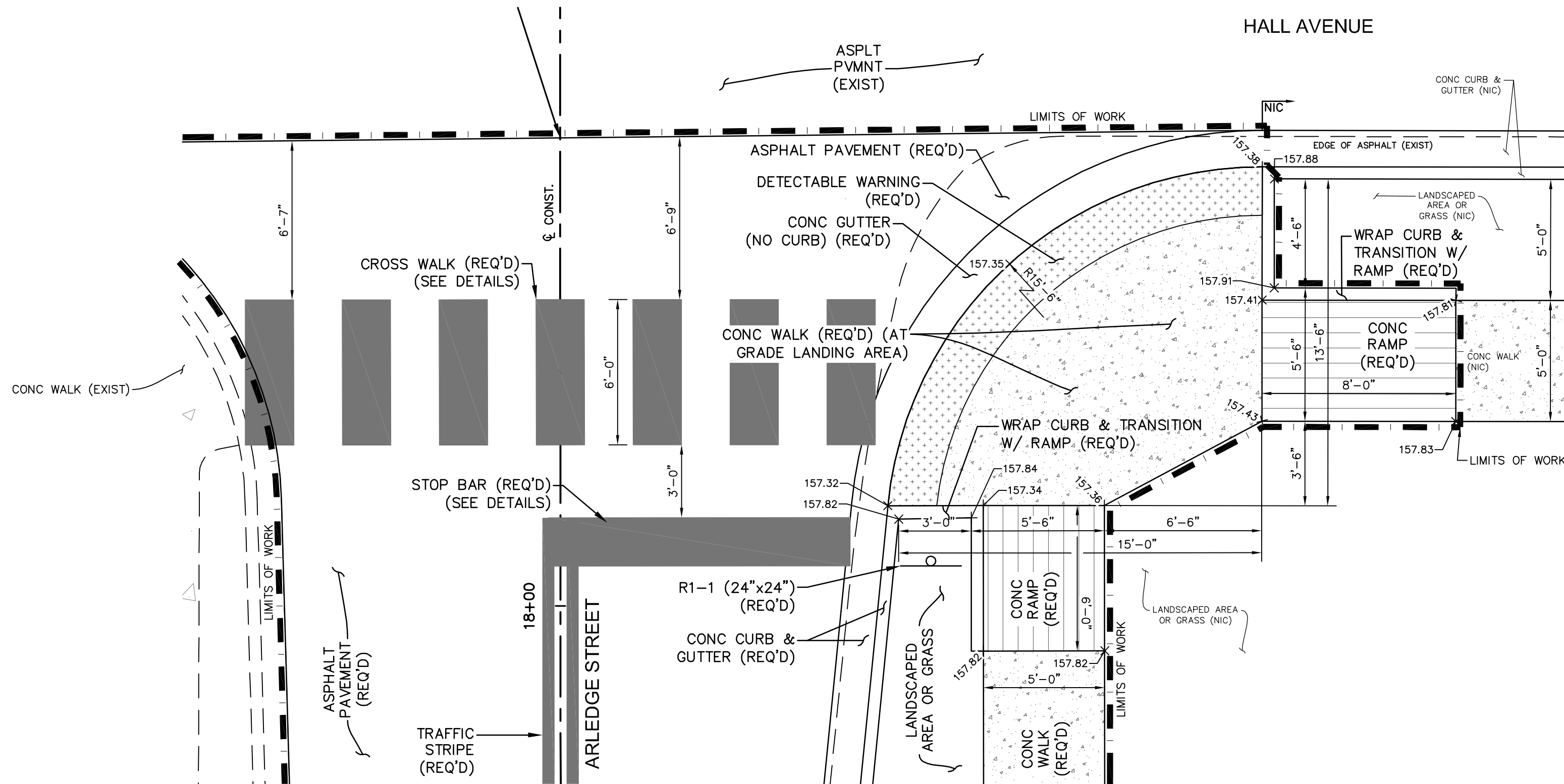
ENLARGED SITE DETAIL 'K'
CONCRETE DRIVEWAY & CURB RAMPS AT BUILDING D INGRESS
SCALE: 1" = 4'



ENLARGED SITE DETAIL 'M'
CONCRETE DRIVEWAY & CURB RAMPS AT BUILDING D EGRESS
SCALE: 1" = 4'



ENLARGED SITE DETAIL 'L'
AT GRADE WALK BETWEEN BUILDING 'D' PARKING & ARLEDGE
SCALE: 1" = 4'



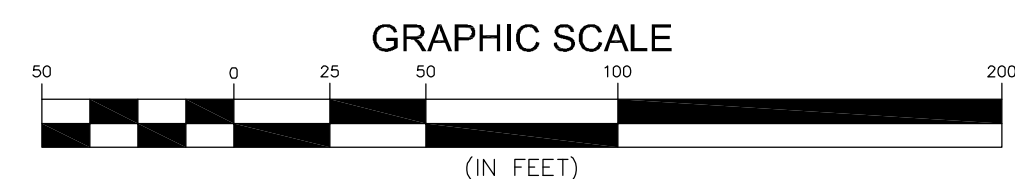
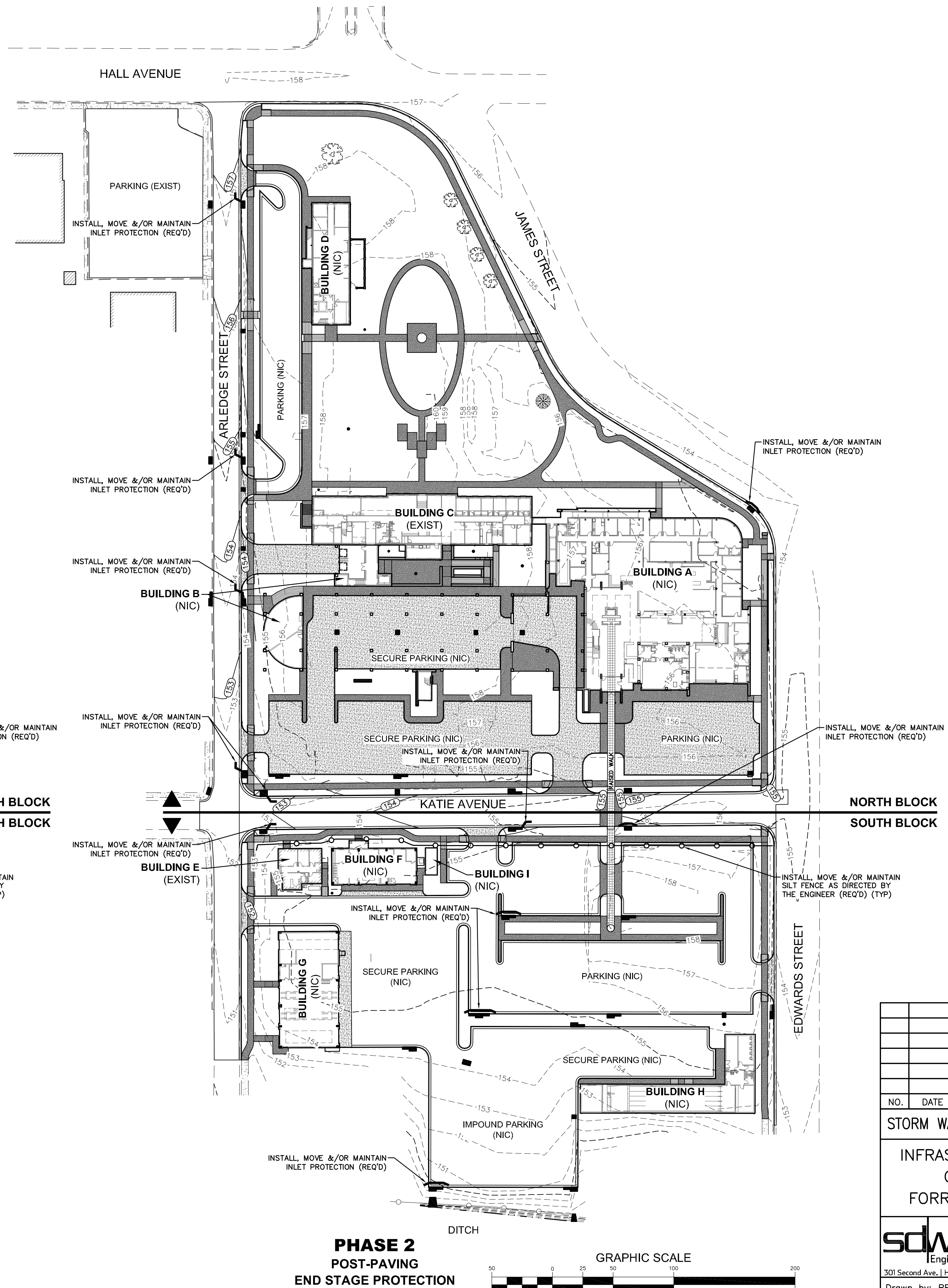
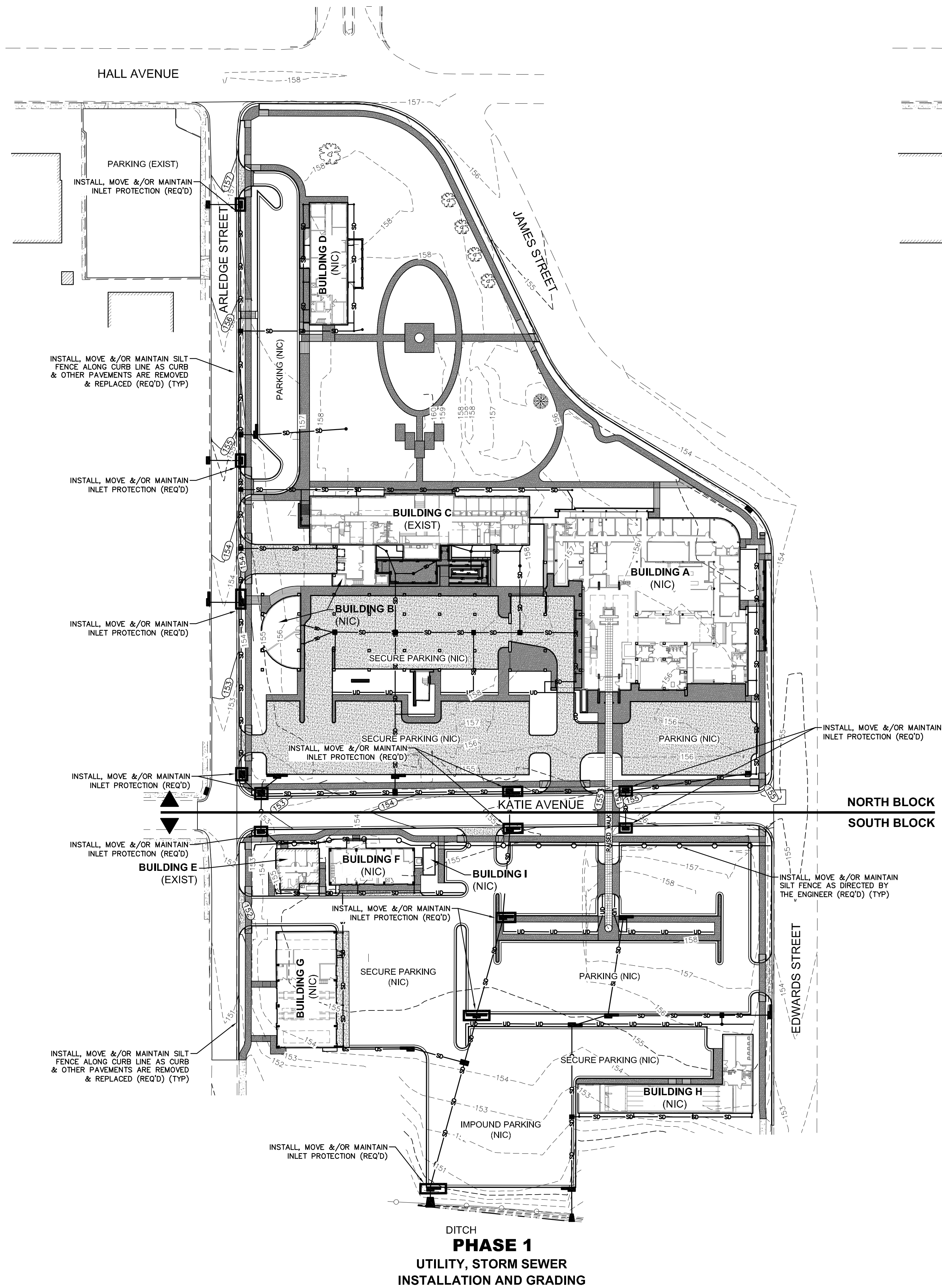
ENLARGED SITE DETAIL 'N'
INTERSECTION OF ARLEDGE & HALL
SCALE: 1" = 4'

NOTES:

1. ROAD NAMES SHOWN ON THIS PLAN ARE NOT PAVEMENT MARKINGS.
2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON STEEL 3.0 LBS/FT U-SECTION POSTS PER STANDARD DETAILS, UNLESS OTHERWISE NOTED.
3. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED AS NOTED.
4. WHERE MULTIPLE SIGNS ARE SHOWN ON THIS PLAN, SIGNS SHALL BE MOUNTED IN THE ORDER AS LISTED FROM TOP TO BOTTOM.

NO.	DATE	DESCRIPTION	BY
PAVING, MARKING & SIGNAGE PLAN			
INFRASTRUCTURE REHABILITATION 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:	SEM
Date:	05-04-2018	Working No.	PMP5
Drawing No.:	11258	Sheet No.	22

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NO.	DATE	DESCRIPTION	BY
STORM WATER POLLUTION PREVENTION PLAN			
INFRASTRUCTURE REHABILITATION 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:	SEM
Date:	05-04-2018	Working No.:	ECP1
Drawing No.:	11258	Sheet No.:	23

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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

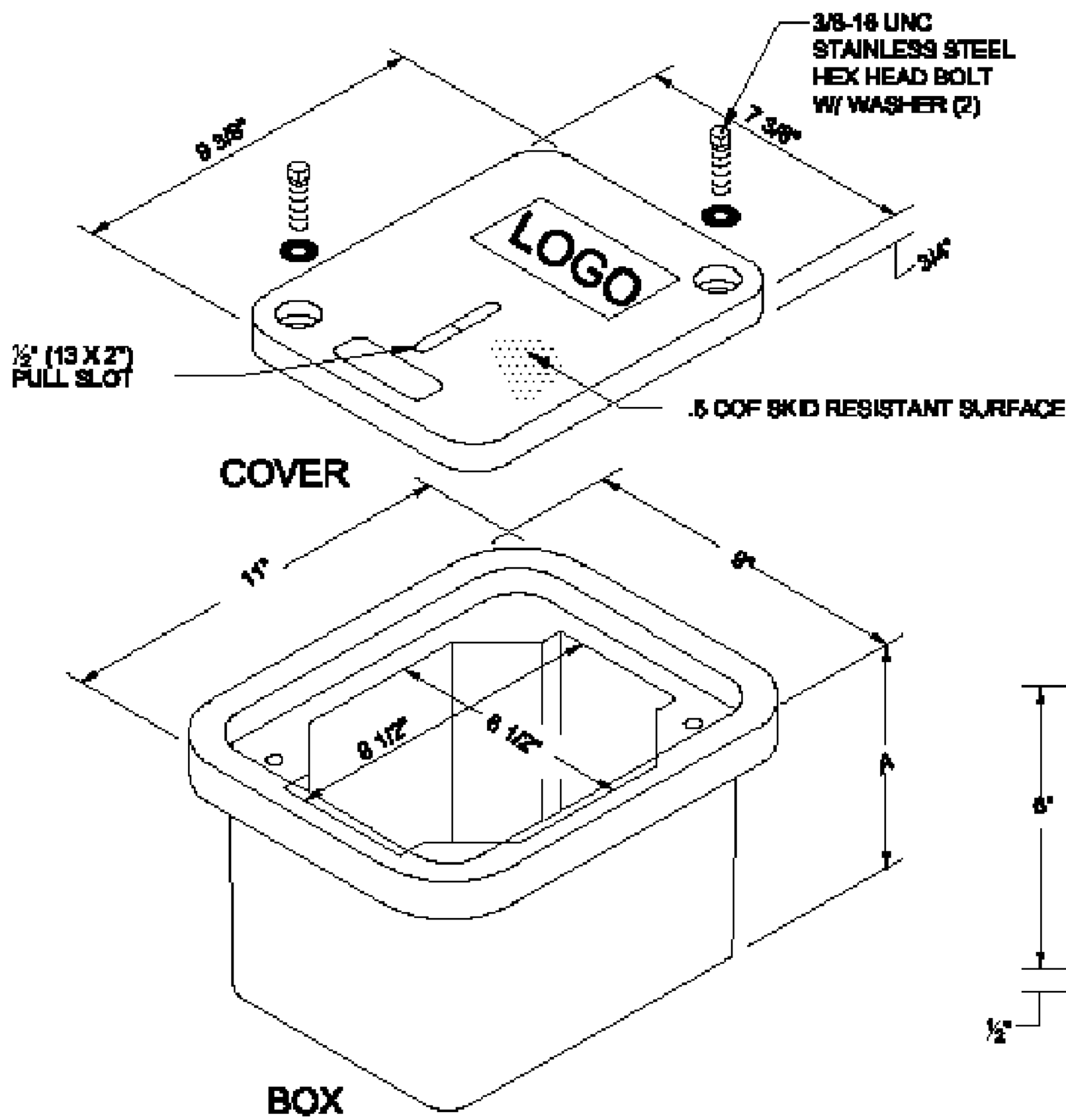
- ① ALL AREAS THAT HAVE BEEN VEGETATED, UNDER THIS CONTRACT, FOR AT LEAST (60) SIXTY DAYS, SHALL RECEIVE ADDITIONAL APPLICATION(S) OF FERTILIZER(S) OF THE TYPE(S) AND RATE(S) OF APPLICATIONS AS DETERMINED BY SOIL TEST OR AS DIRECTED DURING THE GROWING SEASONS THE CONTRACT IS IN FORCE. GROUND PREPARATION 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.

NO.	DATE	DESCRIPTION	BY
VEGETATION SCHEDULE			
INFRASTRUCTURE REHABILITATION 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:	SLS	Checked by:	SEM Scale: NONE
Date:	05–04–2018	Working No.	VS1
Drawing No.:	11258	Sheet No.	24

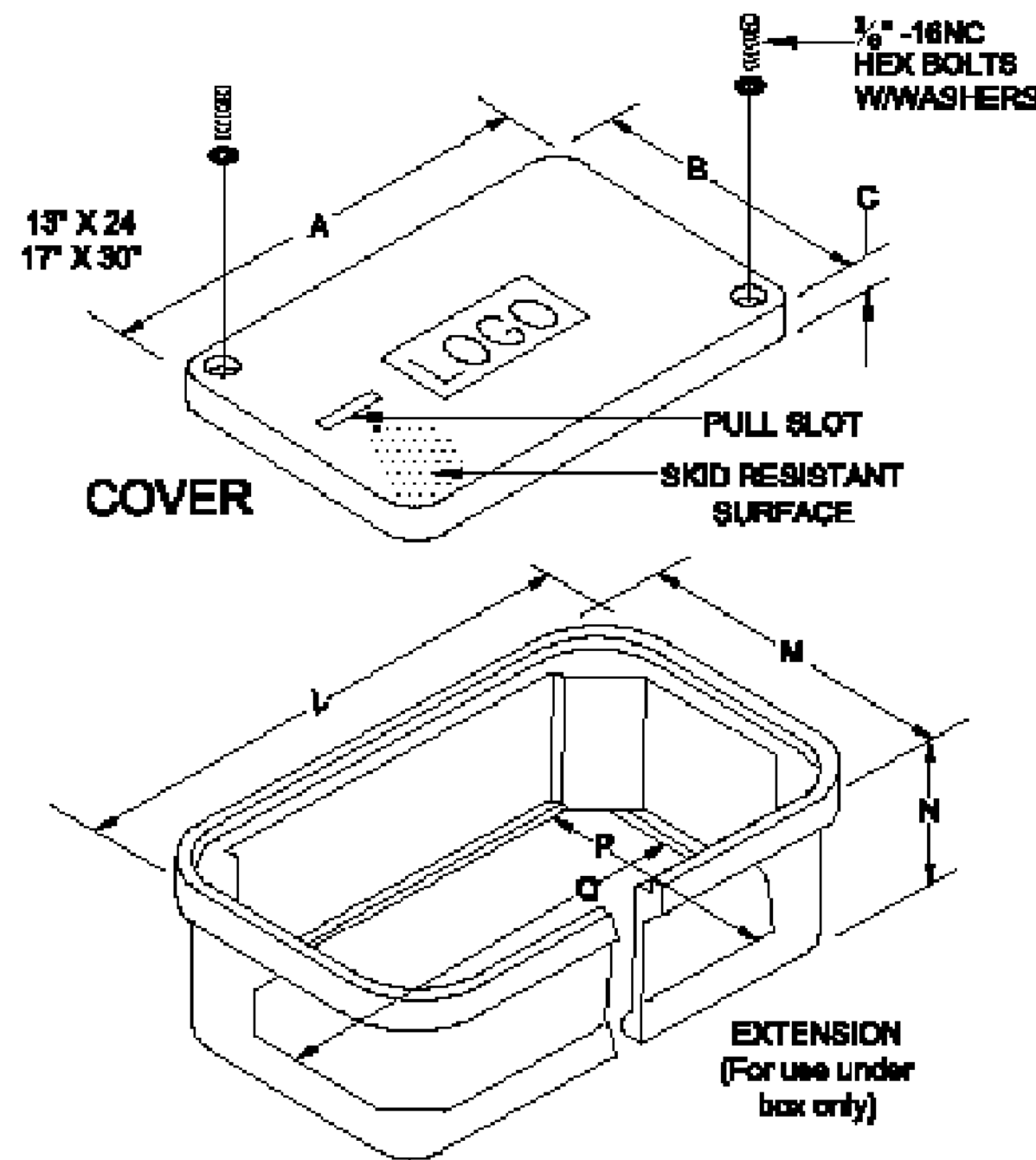


TYPE 1 PULLBOX
NOT TO SCALE

Covers (blank unless logo is specified)

DESCRIPTION	WEIGHT #	DESIGN/TEST LOAD #	ANSI TIER
W/2 Bolts	4	8,000 / 12,000	8
Gasketed w/4 Bolts	4	8,000 / 12,000	8

Gasketed covers must be used with a gasketed box. Gaskets reduce the inflow of fluids but do not make the enclosure water tight.

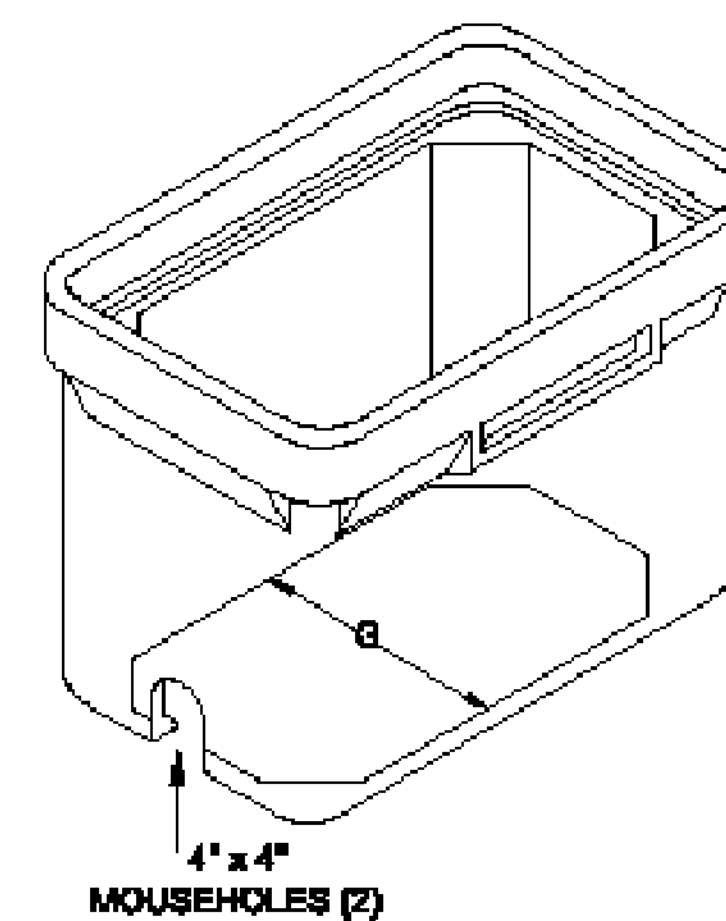


TYPE 2 or 3 PULLBOX
NOT TO SCALE

Boxes (Stackable with self-aligning, replaceable EZ-Nut)

DESCRIPTION	WEIGHT #	DIMENSION A	DESIGN/TEST LOAD #	ANSI TIER
Open Bottom	12	8 3/4"	15,000 / 22,500	15
Open Bottom w/Gasket	12	8 3/4"	15,000 / 22,500	15
Solid Bottom	14.5	7 1/4"	15,000 / 22,500	15
Solid Bottom w/Gasket	14.5	7 1/4"	15,000 / 22,500	15

Dimensions & weights in parentheses are metric equivalents.



- OPTIONS
1. Stainless steel standard penta-head bolt.
 2. Specific cover logo.
 3. Green or other colors
 4. Special holes/knockouts

Covers (blank unless logo is specified)

DESCRIPTION	DIMENSION (IN.)			WT. LBS.
	A	B	C	
Locking Cover	23 3/4	13 3/4	2	32
Non-Locking Cover	30 1/2	17 1/2	2	47
Steel Locking Cover	23 3/4	13 3/4	2	65
Heavy Duty Locking Cover	23 3/4	13 3/4	2	50

DESCRIPTION	DIMENSION (IN.)							WT. LBS.
	D	E	F	G	H	J	K	
Standard Box	25	15 1/2	12	8 3/4	18 3/4	1 1/4	10	58
	25	15 1/2	18	8 3/4	18 3/4	1 1/4	18	82
	32 1/4	18 1/4	12	13 1/2	26 1/2	1 1/4	10	82
	32 1/4	18 1/4	18	13 1/2	26 1/2	1 1/4	18	94
Box w/ Mouseholes	32 1/4	18 1/4	22	13 1/2	26 1/2	1 1/4	20	106
	25	15 1/2	12	8 3/4	18 3/4	1 1/4	10	49
	25	15 1/2	18	8 3/4	18 3/4	1 1/4	16	61
	22 1/4	18 1/4	12	13 1/2	26 1/2	1 1/4	10	80
Box w/ Solid Base	32 1/4	18 1/4	18	13 1/2	26 1/2	1 1/4	18	80
	32 1/4	18 1/4	22	13 1/2	26 1/2	1 1/4	20	104
	25	15 1/2	18 1/2	N/A	N/A	N/A	18	73
	32 1/4	18 1/4	18 1/2	N/A	N/A	N/A	18	106

* Not to be used for extensions.

Extensions (For use under box only)

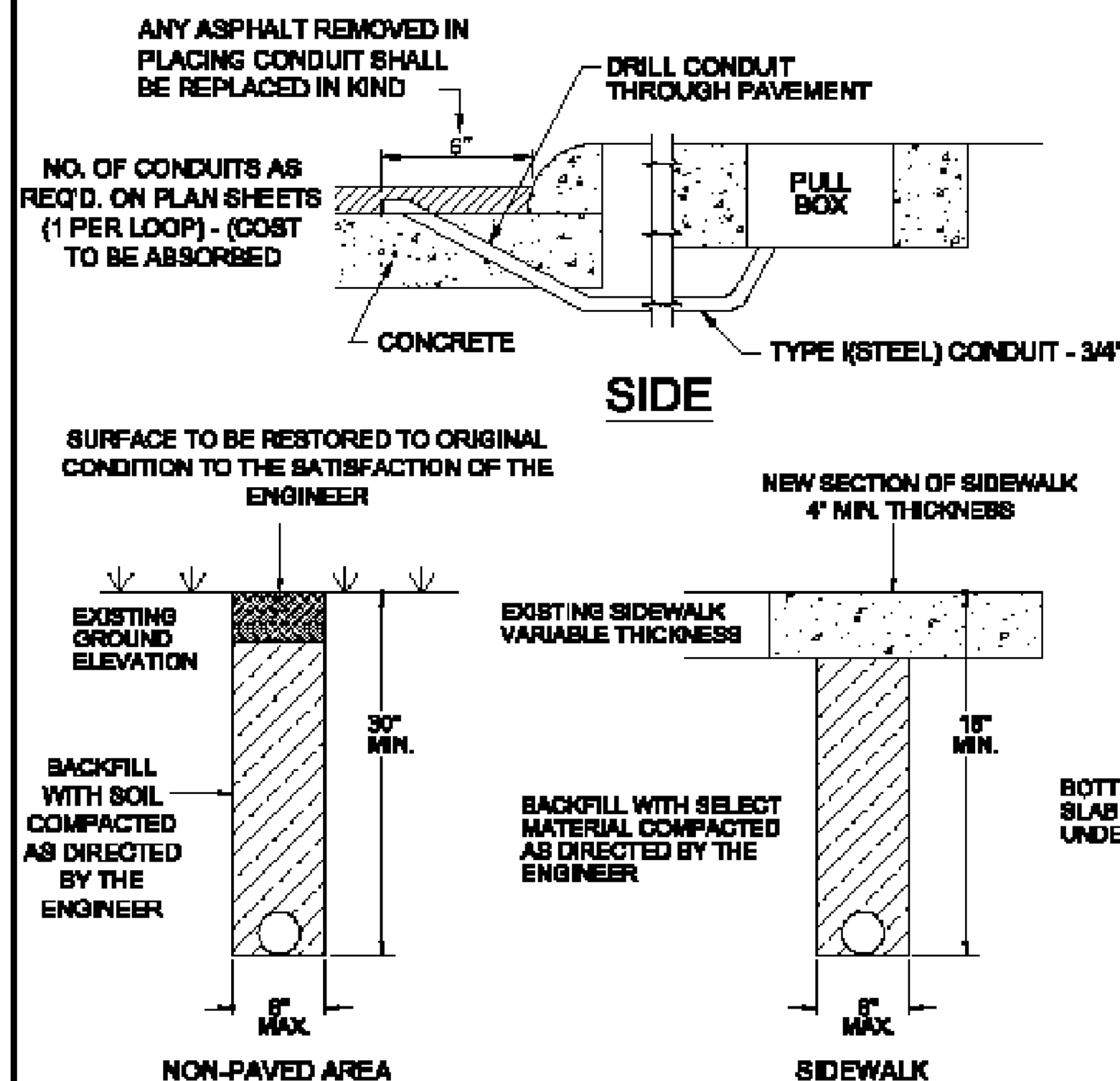
DESCRIPTION	DIMENSION (IN.)							WT. LBS.
	L	M	N	P	Q	R	S	
Extension (One Per Box)	23 3/4	14 1/4	8 3/4	10 3/4	18 3/4	8	1	25
Extension w/ Solid Base	30 1/2	17 1/2	8 3/4	13 1/2	26 1/2	8	1	47
Extension	23 3/4	14 1/4	9 1/4	N/A	N/A	8	N/A	35
Extension w/ Solid Base	30 1/2	17 1/2	9 1/4	N/A	N/A	8	N/A	65

Underground enclosures shall be Composite. Enclosures and covers shall be concrete gray color and rated for no less than 8,000 lbs. over a 10" x 10" area and be designed and tested to temperatures of -80 F. Material compressive strength shall be no less than 11,000 psi. Covers shall have a minimum coefficient of friction of .5. Boxes shall be stackable for extra depth.

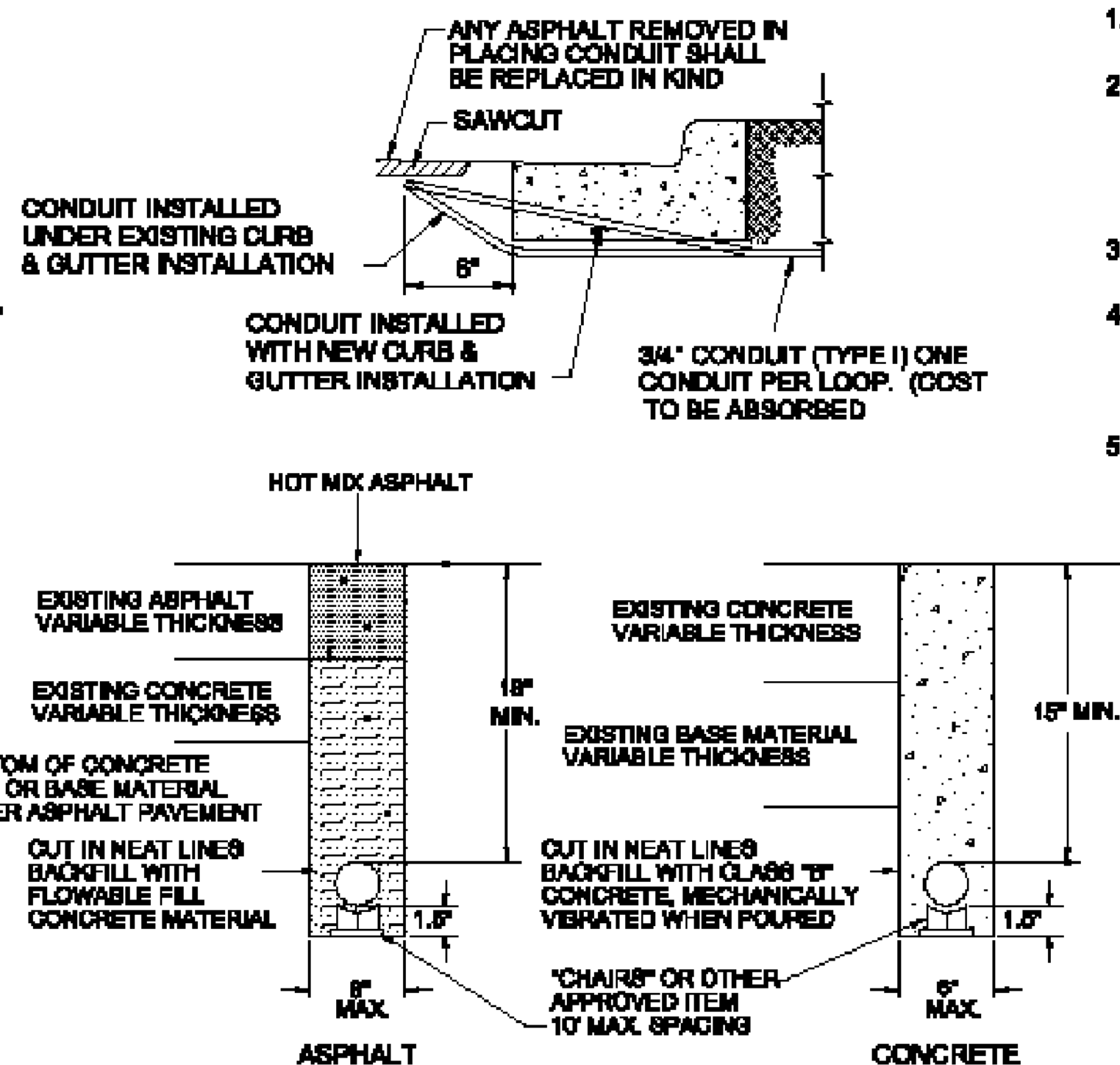
NOMINAL PULLBOX SIZES

TYPE 1	TYPE 2	TYPE 3
8" x 11" x 6 3/4"	15" x 25" x 18"	19" x 32" x 24"

COLLARS AND GRAVEL UNDER PULLBOX REQUIRED FOR ALL TYPES OF PULLBOXES

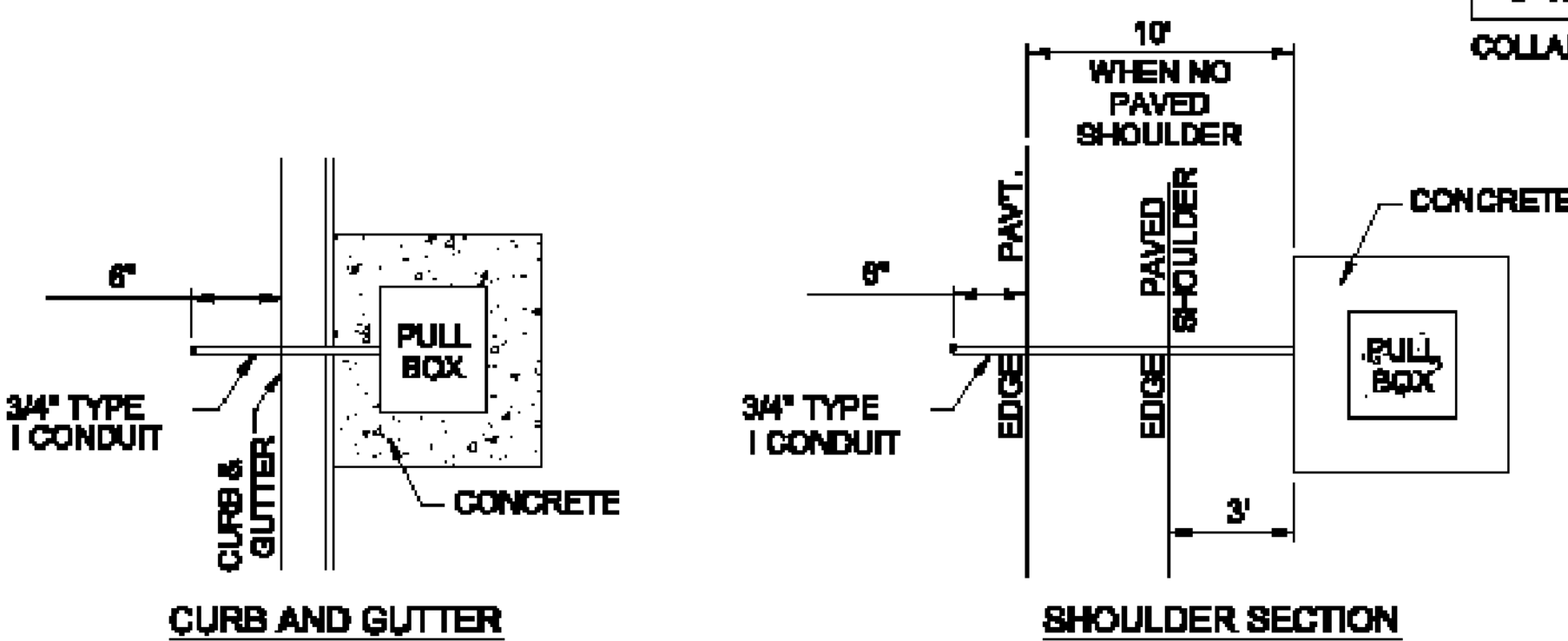


CONDUIT TRENCHING DETAIL
NOT TO SCALE



CONDUIT NOTES:

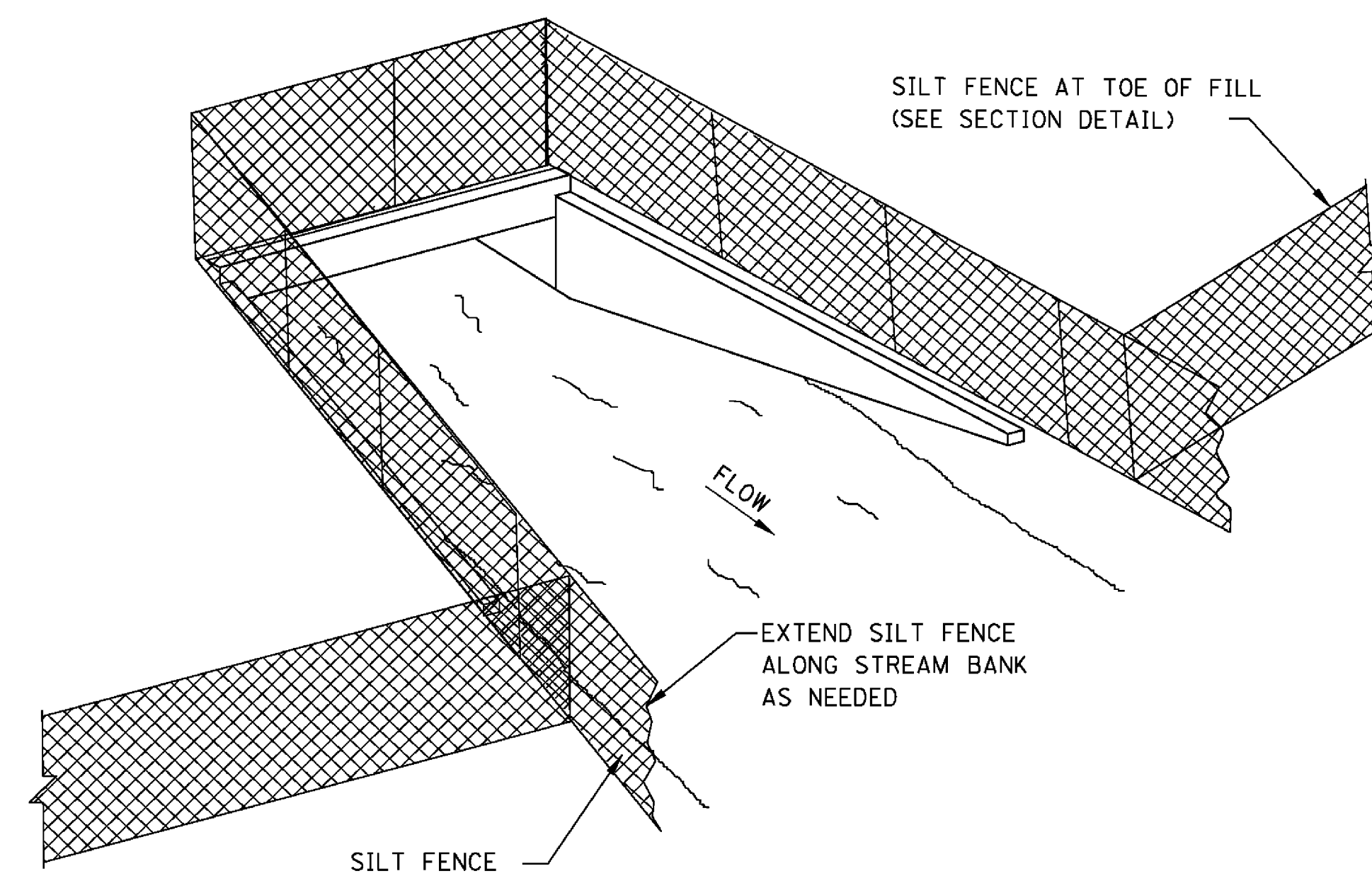
1. CONDUIT TO BE SEALED WITH DUCT SEALER ONCE CABLE IS INSTALLED.
2. SAWCUT SIDEWALK AT EXISTING JOINTS AND REPLACE ENTIRE SECTION TO MATCH EXISTING MATERIAL. WHEN NEW SIDEWALK IS BEING CONSTRUCTED, CONDUIT, PULLBOX, AND POLE ARE TO BE INSTALLED BEFORE SIDEWALK IS POURED.
3. TYPE I CONDUIT IS RIGID PIPE; TYPE IV CONDUIT IS PVC.
4. ELECTRICAL SUBCONTRACTOR SHALL COORDINATE CONDUIT INSTALLATION WORK UNDER ROADWAY WITH ROADWAY CONSTRUCTION PHASING IN ORDER TO MINIMIZE JACKING.
5. MATERIAL REMOVED THAT IS NOT SUITABLE FOR BACKFILL OR IS EXCESS SHALL BE DISPOSED OF BY THE CONTRACTOR. (COST ABSORBED)



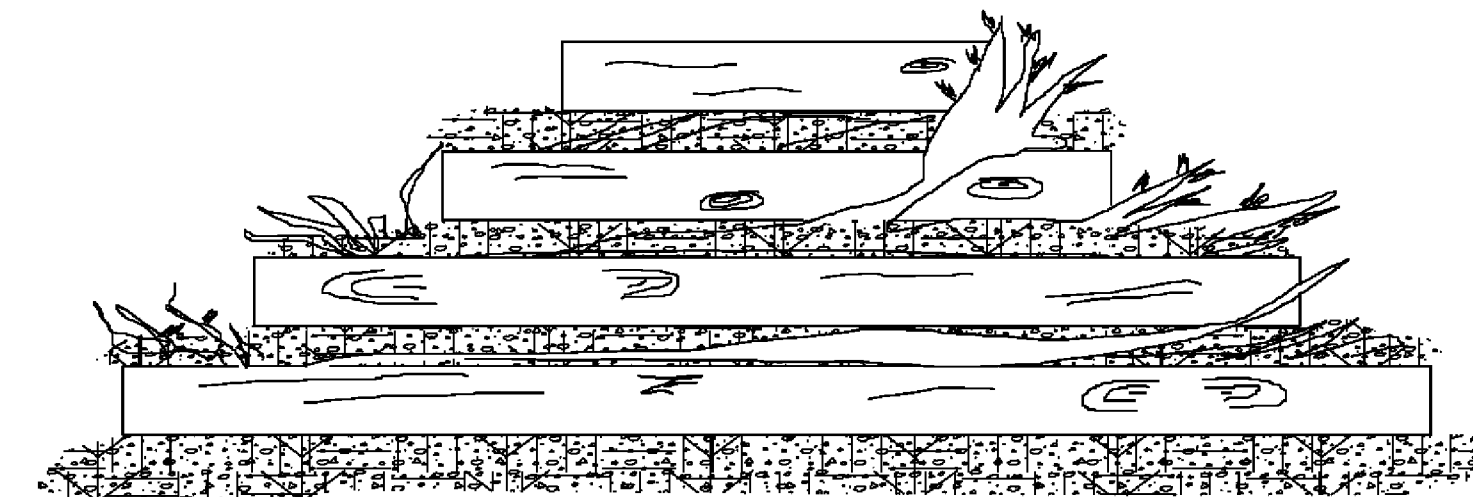
PULL BOX LOCATION DETAIL
NOT TO SCALE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION				PROJECT NO.:		WORKING NUMBER	
PULL BOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION				COUNTY:		TSD-3	
FILENAME:				DESIGN TEAM		SHEET NUMBER	
DATE				CHECKED		DATE	
						25	

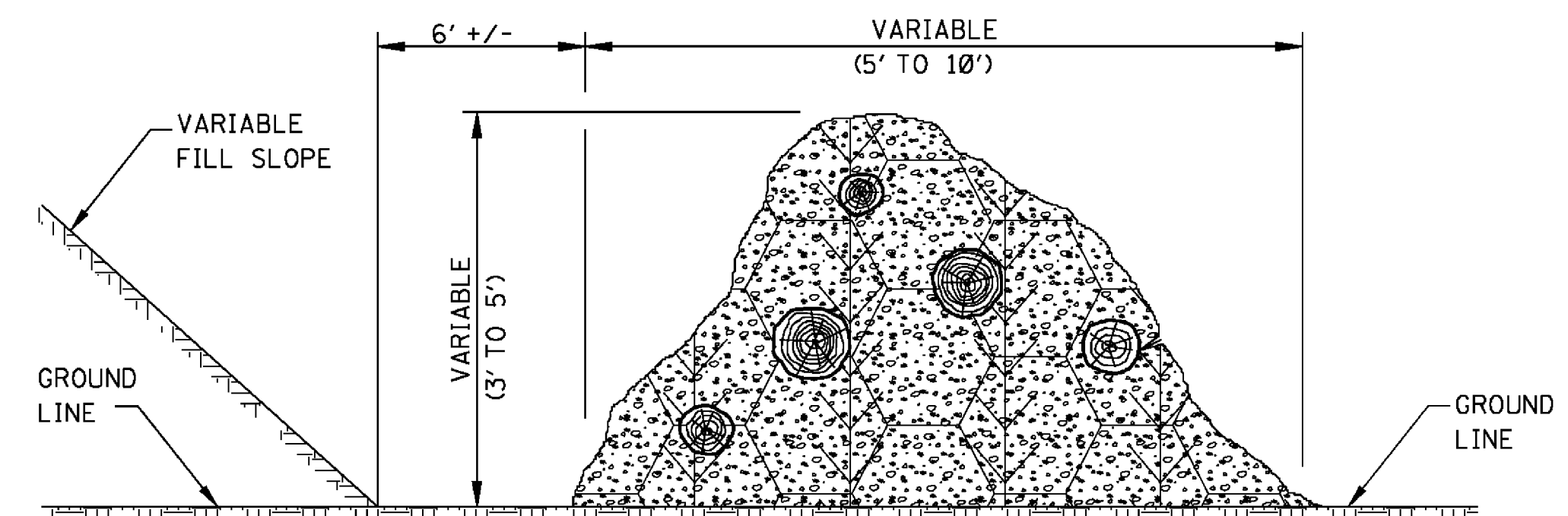
STATE	PROJECT NO.
MISS.	



SEDIMENT BARRIER AT CROSS DRAIN



FRONT ELEVATION



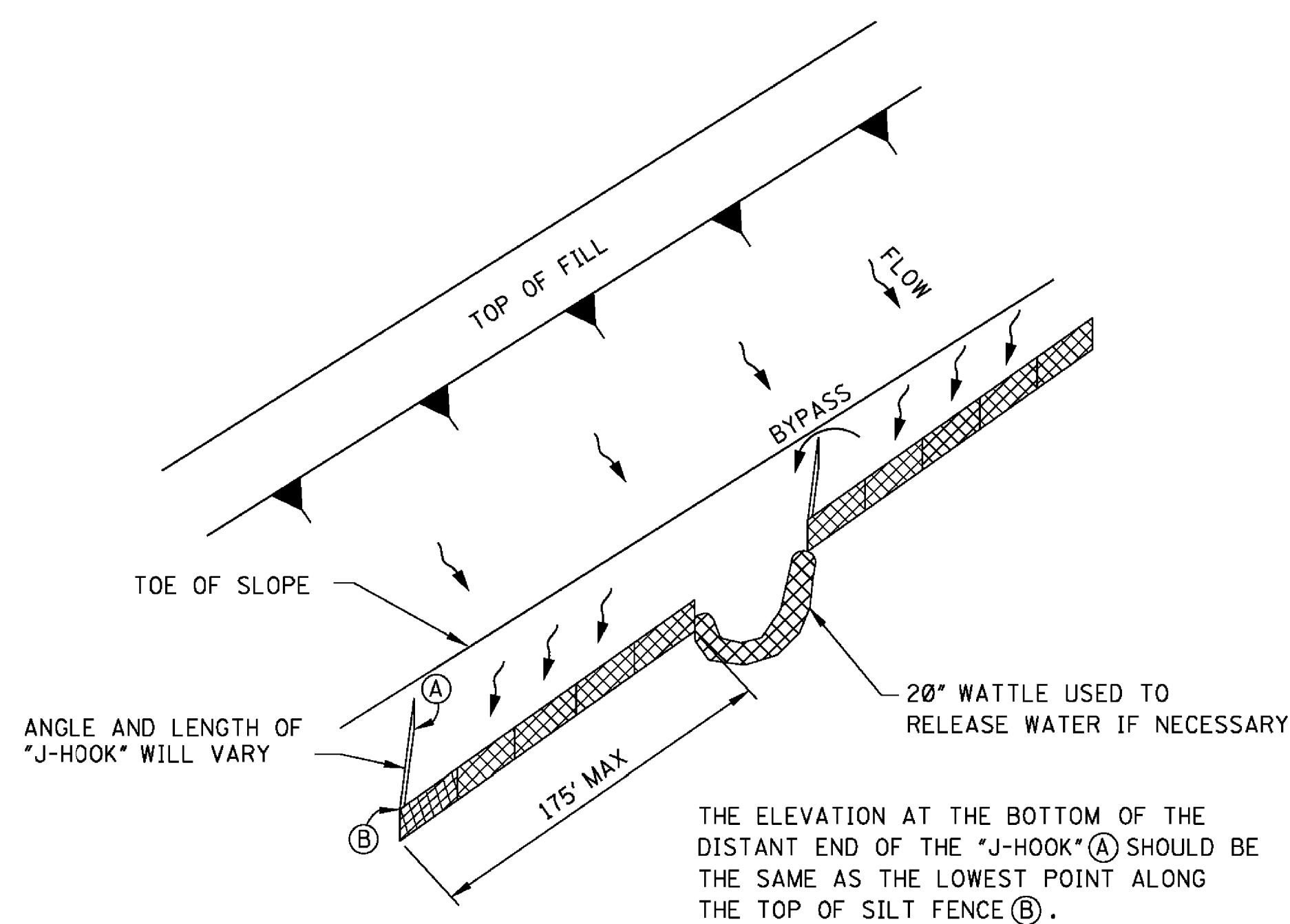
SIDE ELEVATION

TEMPORARY BRUSH BARRIER

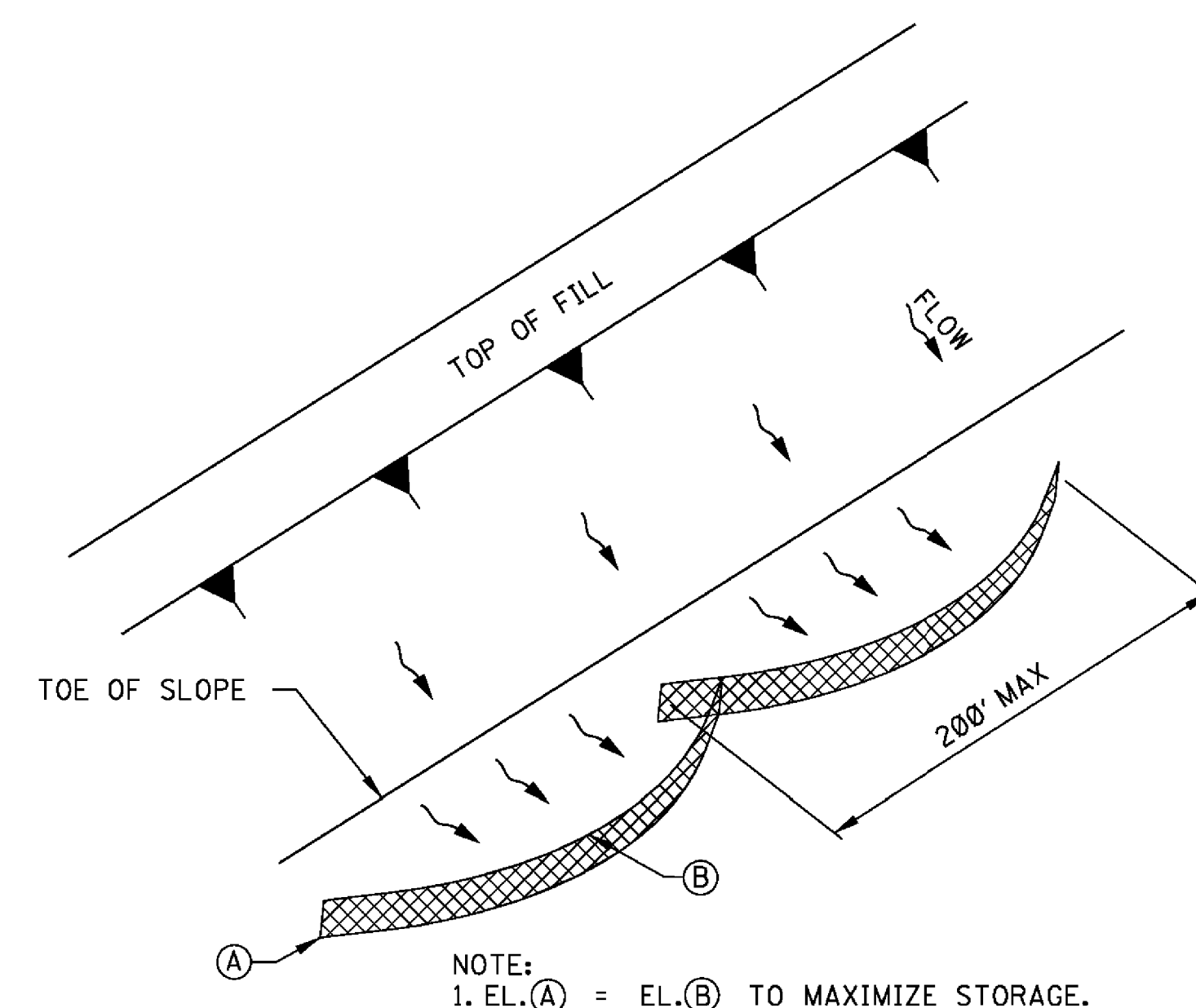
NOTES:

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 TO 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. THE COST OF FABRIC TO BE INCLUDED IN OTHER ITEMS BID.
5. TEMPORARY BRUSH BARRIER WILL NOT BE MEASURED FOR SEPARATE PAYMENT.

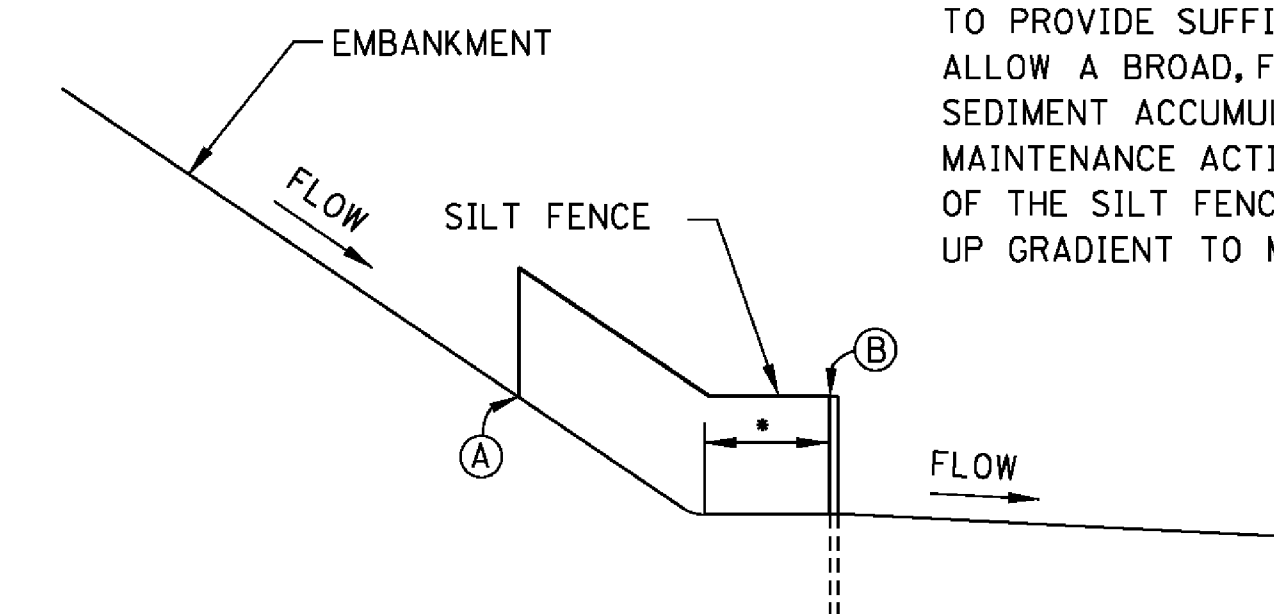
NOTE: ANCHOR AND INSTALL SILT FENCE PER DETAILS SHOWN ON WK. NO. ECD-3



"J-HOOK" SILT FENCE APPLICATION



"SMILE-CONFIGURATION" SILT FENCE APPLICATION



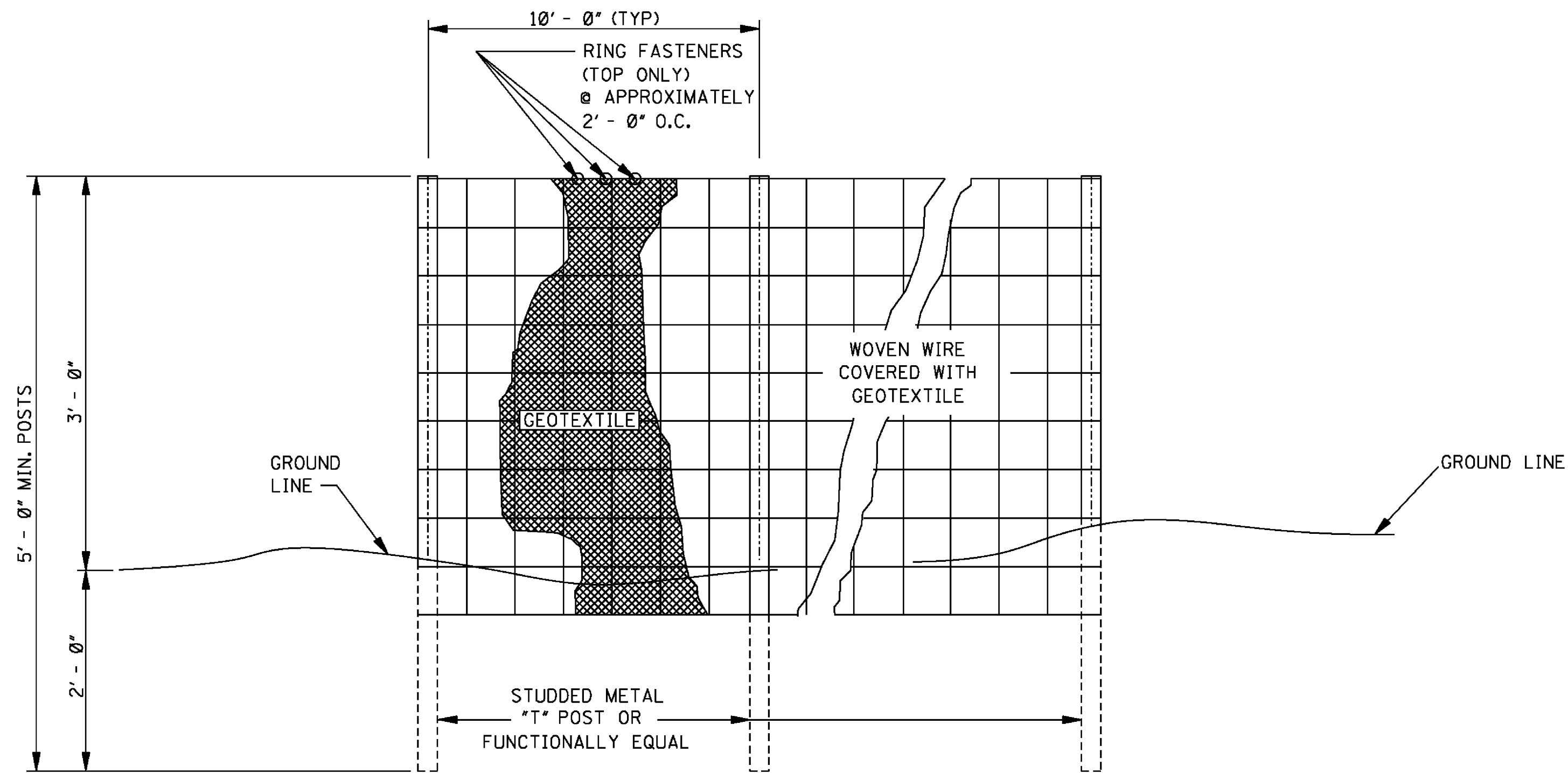
SILT FENCE SECTION AT
TOE OF FILL

- 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.

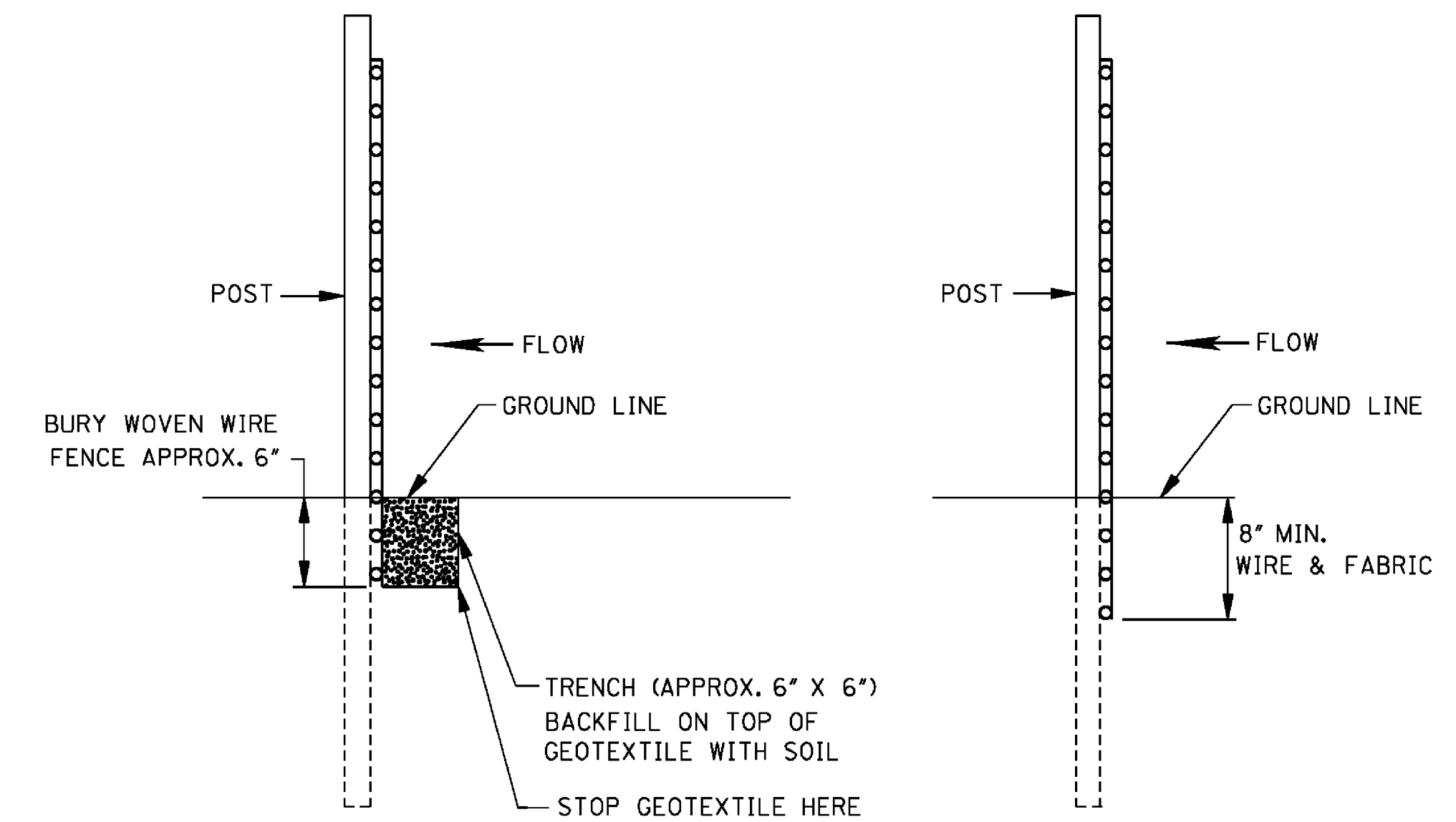
				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN				
				REVISION					
					<i>DETAILS OF SEDIMENT BARRIER APPLICATIONS</i>				
				DATE	ISSUE DATE: <u> AUGUST 01, 2017 </u>				

 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
WORKING NUMBER ECD-2
SHEET NUMBER 6102

STATE	PROJECT NO.
MISS.	



ELEVATION VIEW



METHOD I

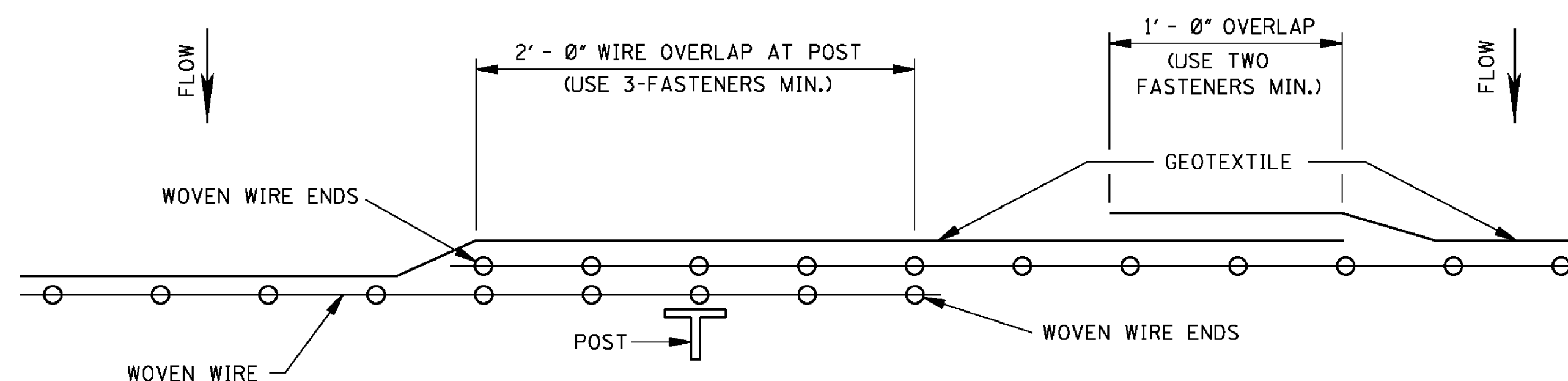
METHOD II

MECHANICAL INSTALLATION

SIDE VIEW

GENERAL NOTES:

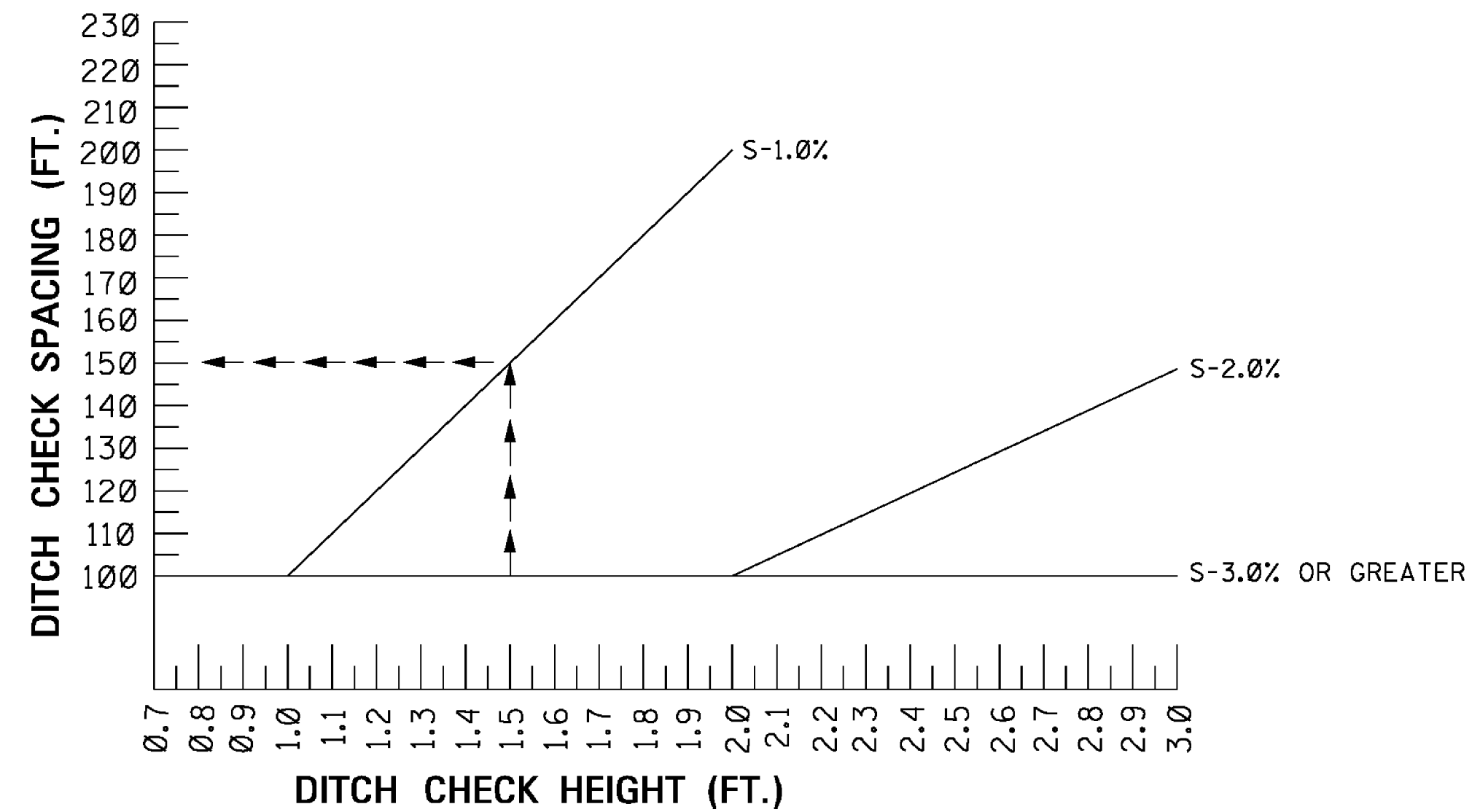
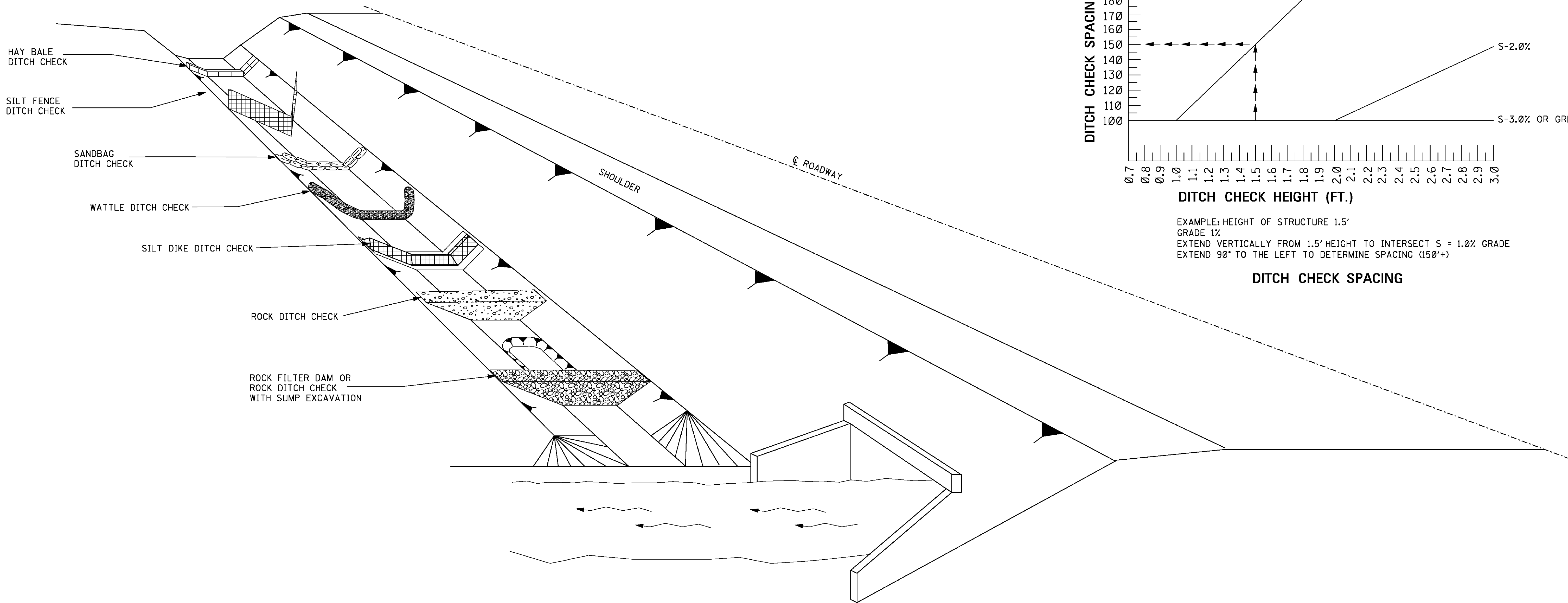
1. SILT FENCES SHOULD BE USED IN AREAS WHERE FLOW IS NOT SEVERE.
2. SILT FENCES ARE TEMPORARY SEDIMENT CONTROL ITEMS THAT SHOULD BE ERECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STEAMS AND CHANNELS.
3. SILT FENCE SHOULD BE PLACED WELL INSIDE RIGHT-OF-WAY AND ALONG EDGE OF CLEARING LIMITS. THIS WILL ALLOW ROOM FOR BACK-UP FENCE IF FIRST FENCE BECOMES FULL.
4. WHENEVER POSSIBLE SILT FENCE SHOULD 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 DETAIL.
7. WIRE SHALL BE A 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

[illegible]

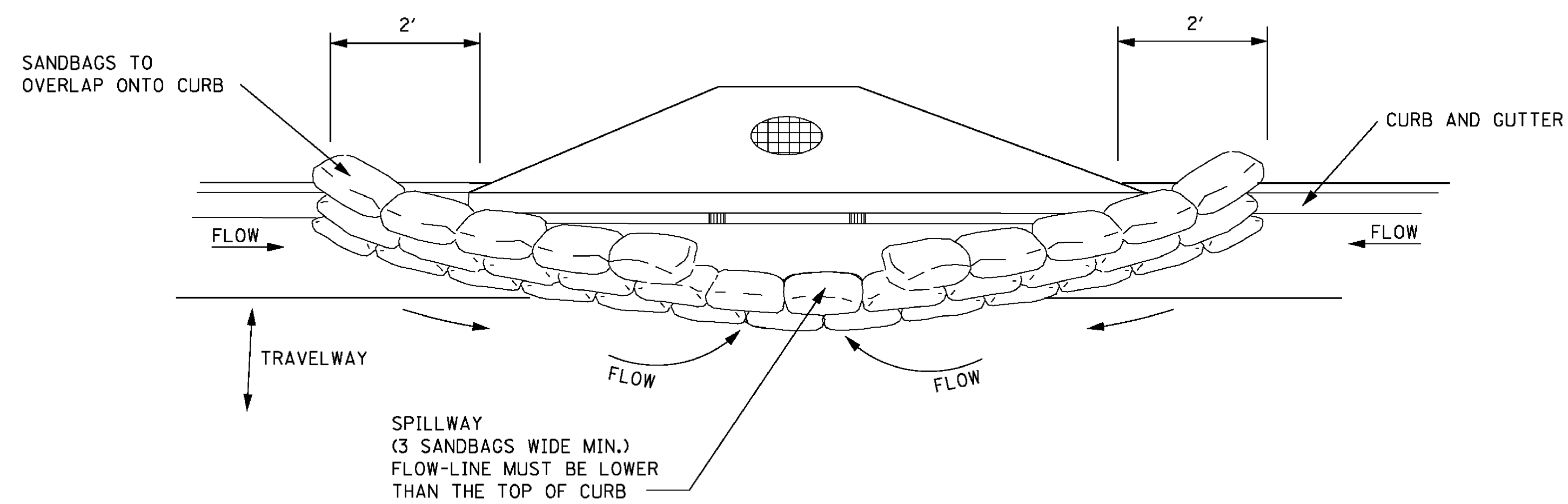


GENERAL NOTES:

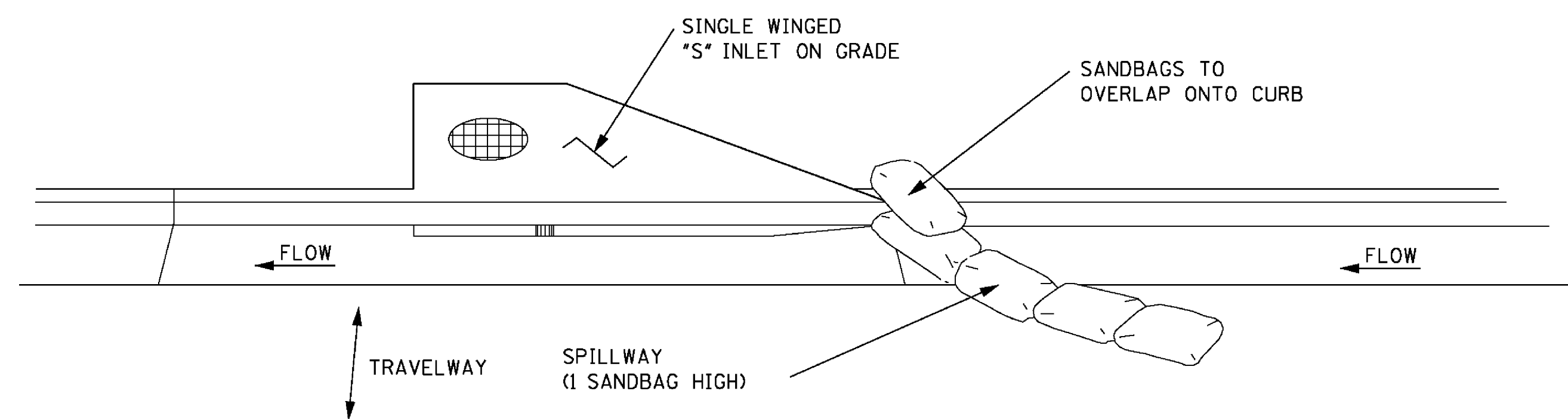
1. THE DITCH CHECK PERSPECTIVE ILLUSTRATES A TOOL BOX OF TEMPORARY PRACTICES THAT MAY BE USED. DITCH CHECKS ARE INSTALLED TO CONTROL RUNOFF VELOCITY AND THUS REDUCE EROSION AND PROVIDE FOR TRAPPING OF SEDIMENTS.
2. SELECTION OF THE APPROPRIATE DITCH CHECK SHOULD BE A FUNCTION OF CONSTRUCTION PHASE, DRAINAGE 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 $\frac{1}{3}$ THE CAPACITY OR HEIGHT OF THE STRUCTURE AND NEVER ALLOWING FOR SEDIMENT TO ACCUMULATE MORE THAN $\frac{1}{2}$ THE VOLUME OR HEIGHT OF THE DITCH CHECK STRUCTURE.
4. HAY BALES SHOULD BE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.
5. SILT FENCE DITCH CHECKS SHOULD BE USED WHERE IT HAS BEEN DETERMINED THAT HAY BALE CHECKS ARE INADEQUATE. SILT FENCE DITCH CHECKS SHOULD BE USED TO INTERCEPT LOW VOLUME FLOWS IN LOW TO MODERATE GRADIENT DITCHES.
6. SANDBAG DITCH CHECKS SHOULD BE USED FOR VELOCITY REDUCTION AND MINIMAL SEDIMENT TRAPPING IN CONCRETE PAVED DITCHES OR IN DITCHES THAT HAVE ROCK BOTTOMS.
7. WATTLE DITCH CHECKS CAN BE USED 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 CHECKS 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 SHOULD BE LIMITED TO 3 ACRES. THEY CAN BE USED IN SERIES TO INCREASE ON-SITE SEDIMENT TRAPPING EFFICIENCY.
10. DITCH CHECKS, IN NO CASE, SHALL 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.

				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
					ROADWAY DESIGN DIVISION
					STANDARD PLAN
				REVISION	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
				DATE	ISSUE DATE: AUGUST 01, 2017
					WORKING NUMBER ECD-4
					SHEET NUMBER 6104

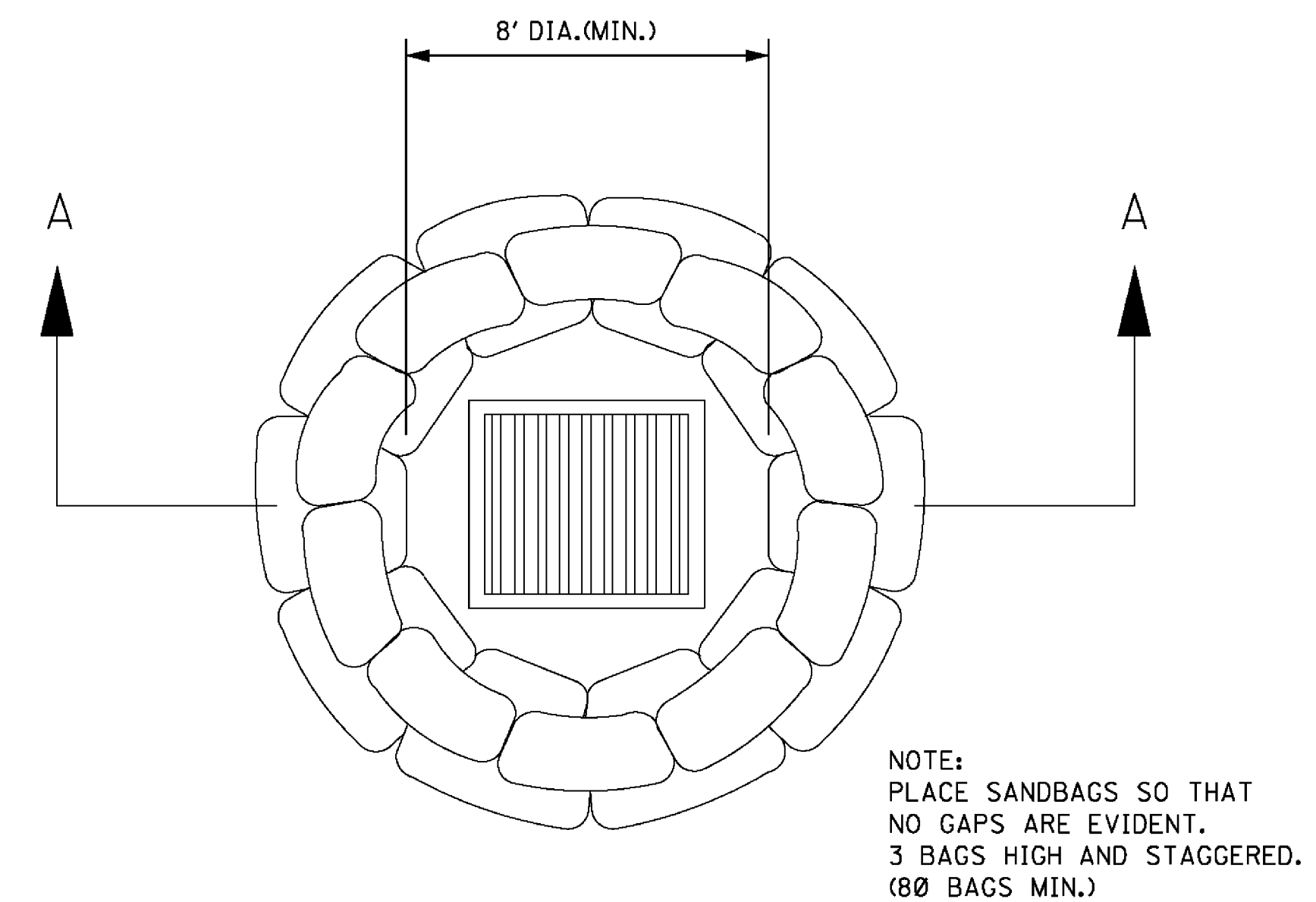
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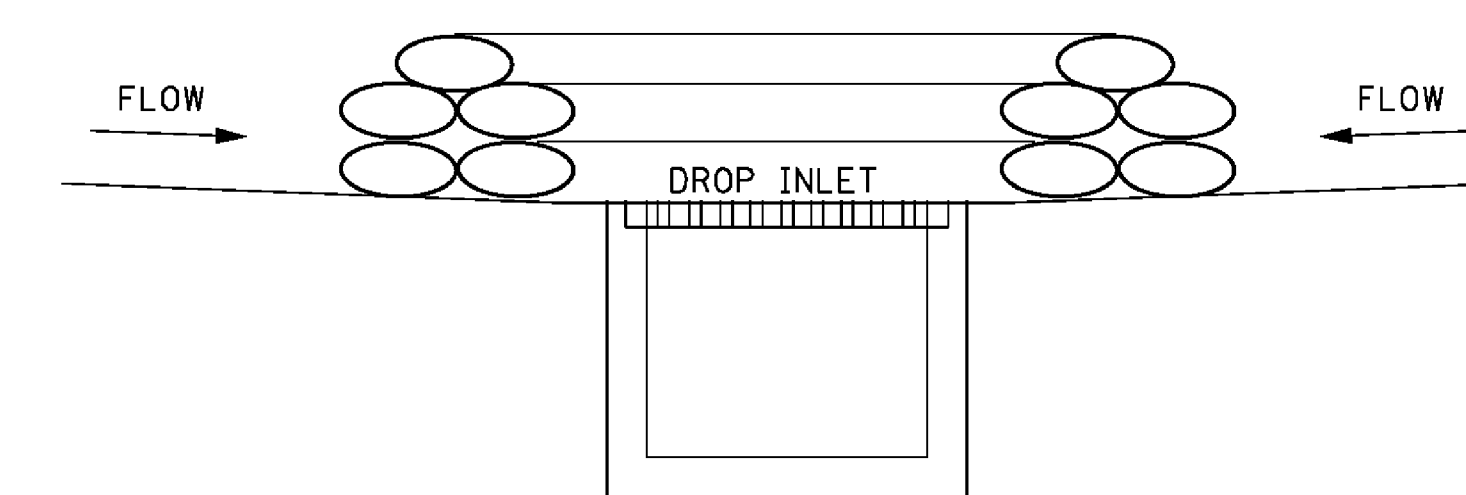
TYPICAL (SANDBAG) PROTECTION FOR INLET IN SAG



TYPICAL (SANDBAG) PROTECTION FOR INLET ON GRADE



DROP INLET
PLAN VIEW

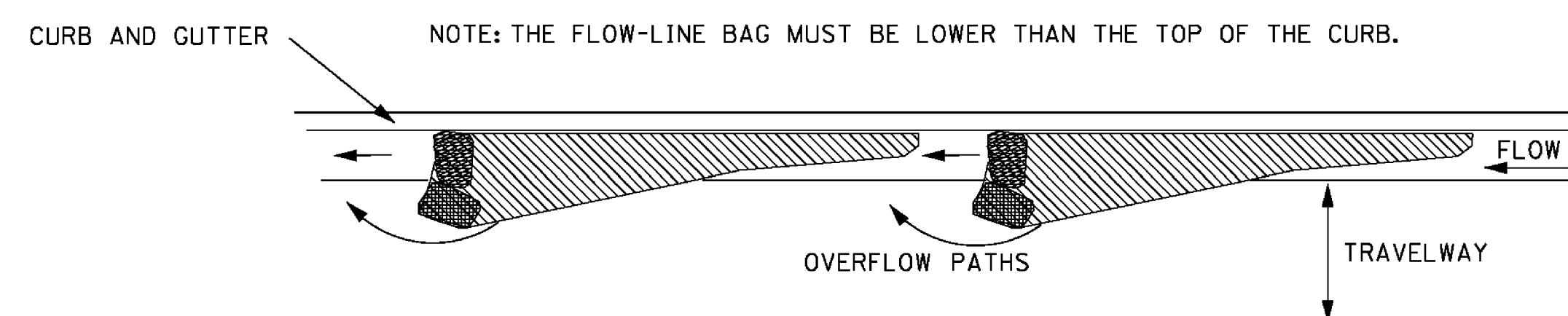


SECTION A-A

SANDBAG BARRIER

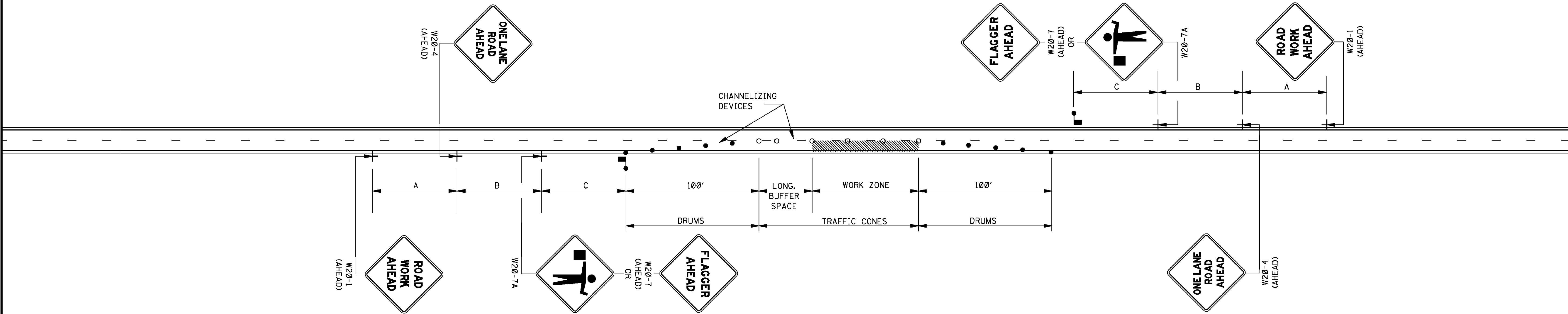
- CURB INLET PROTECTION NOTES:

1. THIS CURB INLET PROTECTION METHOD CAN BE USED DURING ANY STAGE OF BASE AND PAVEMENT CONSTRUCTION.
2. BAG HEIGHT AND NUMBER OF BAGS SHOULD BE BASED ON CURB HEIGHT AND USE OF TRAVELWAY.
3. SEDIMENT SHOULD BE CONTROLLED PRIOR TO ENTERING GUTTER. GUTTER CHECKS AND INLET PROTECTION ARE FOR SECONDARY CONTROL.
4. REMOVE ACCUMULATED SEDIMENT AFTER EVERY RAINFALL. SWEEP SEDIMENT FROM HARD SURFACES AND DISPOSE OF APPROPRIATELY AWAY FROM INLETS AND/OR WATER BODIES.
5. IF DENUDEED AREAS EXIST BEHIND THE INLET, A SEDIMENT BARRIER SHOULD BE INSTALLED AROUND ITS PERIMETER TO CONTROL SEDIMENT.



CURB AND GUTTER SEDIMENT CONTAINMENT SYSTEM

				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN		
				REVISION	<i>INLET PROTECTION DETAILS OF SANDBAGS</i>		 WORKING NUMBER ECD-15
				DATE			
					ISSUE DATE: <u> AUGUST 01, 2017 </u>		SHEET NUMBER 6115



GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE. FLAGGER STATIONS SHALL BE LOCATED SUCH THAT APPROACHING VEHICLES WILL HAVE SUFFICIENT DISTANCE TO STOP. VALUES IN STOPPING SIGHT DISTANCE COLUMN MAY BE USED AS A MINIMUM FOR THIS DISTANCE.

POSTED SPEED AND/OR DESIGN SPEED	MAXIMUM CHANNELIZING DEVICE SPACING (ft)		LONGITUDINAL BUFFER SPACE (ft)	STOPPING SIGHT DISTANCE
	TAPER	ALONG LANE LINE & WORK ZONE		
mph				
25	20	50	55	155
30	20	60	85	200
35	20	70	120	250
40	20	80	170	305
45	20	90	220	360
50	20	100	280	425
55	20	110	335	495
60	20	120	415	570
65	20	130	485	645

† NOTE: BUFFER SPACE MAY BE ADJUSTED AS NEEDED ACCORDING TO ROADWAY GEOMETRY TO MEET SIGHT DISTANCE REQUIREMENTS, AS DIRECTED BY THE ENGINEER.

2. ALL CHANNELIZING DEVICES SHALL BE A MINIMUM OF 28" IN HEIGHT.
3. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 36" x 36" AND BLACK COPY ON FLUORESCENT ORANGE SHEETING.
4. WHEN WORK ZONE IS NO LONGER NEEDED, ALL SIGNS SHALL BE COVERED OR REMOVED AND ALL CHANNELIZING DEVICES SHALL BE MOVED TO THE SHOULDER EDGE.
5. ADDITIONAL FLAGGERS MAY BE NEEDED AS DIRECTED BY THE ENGINEER.
6. WHEN WORK IS REQUIRED AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED.
7. CHANNELIZING DEVICE TYPES FOR:
A. APPROACH AND EXIT TAPERS- RETROREFLECTIVE PLASTIC DRUMS
B. ALONG LANE LINE AND WORK ZONE- TRAFFIC CONES (28" HEIGHT)
8. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

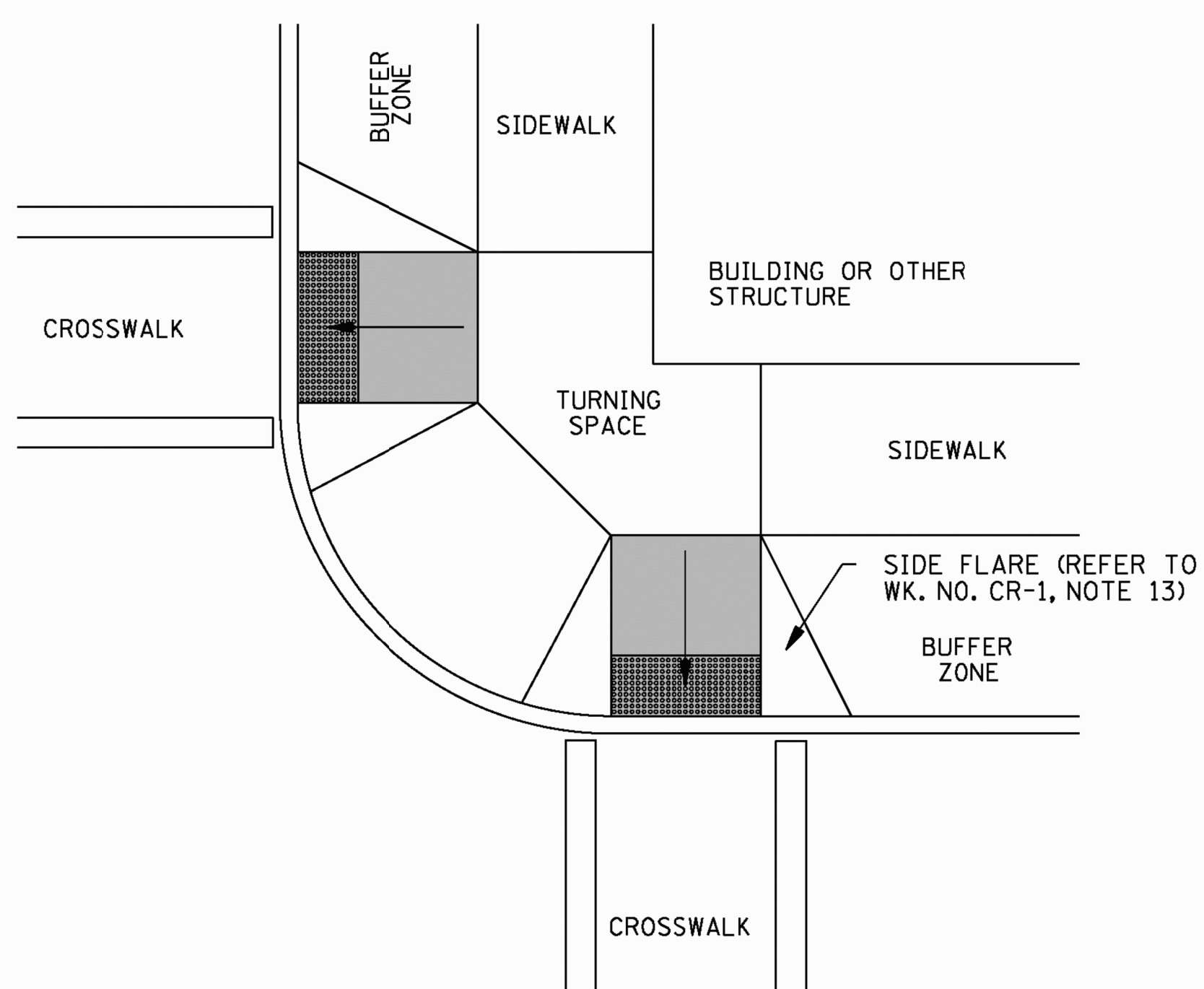
LEGEND

- FLAGGER
- RETROREFLECTIVE FREE-STANDING PLASTIC DRUMS
- TRAFFIC CONES (28" HEIGHT MINIMUM)

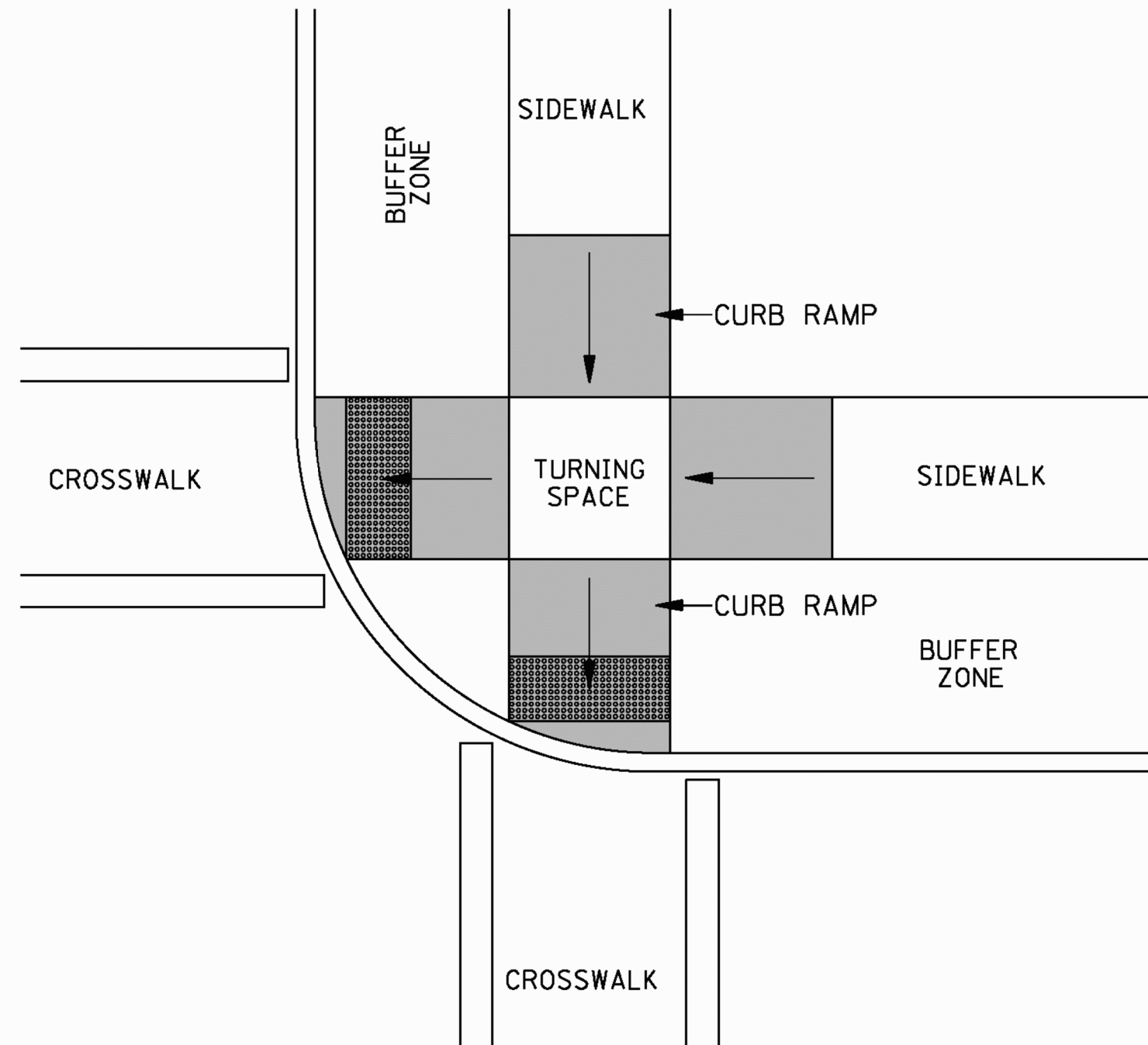
DISTANCE BETWEEN SIGNS			
ROAD TYPE	A	B	C
URBAN (35 MPH OR LESS)	100 FT.	100 FT.	100 FT.
URBAN (40 - 70 MPH)	350 FT.	350 FT.	350 FT.
RURAL	500 FT.	500 FT.	500 FT.
EXPRESSWAY / FREEWAY	1000 FT.	1500 FT.	2640 FT.

				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
				REVISION	TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)
				DATE	ISSUE DATE: AUGUST 01, 2017
					WORKING NUMBER TCP-1 SHEET NUMBER 6351

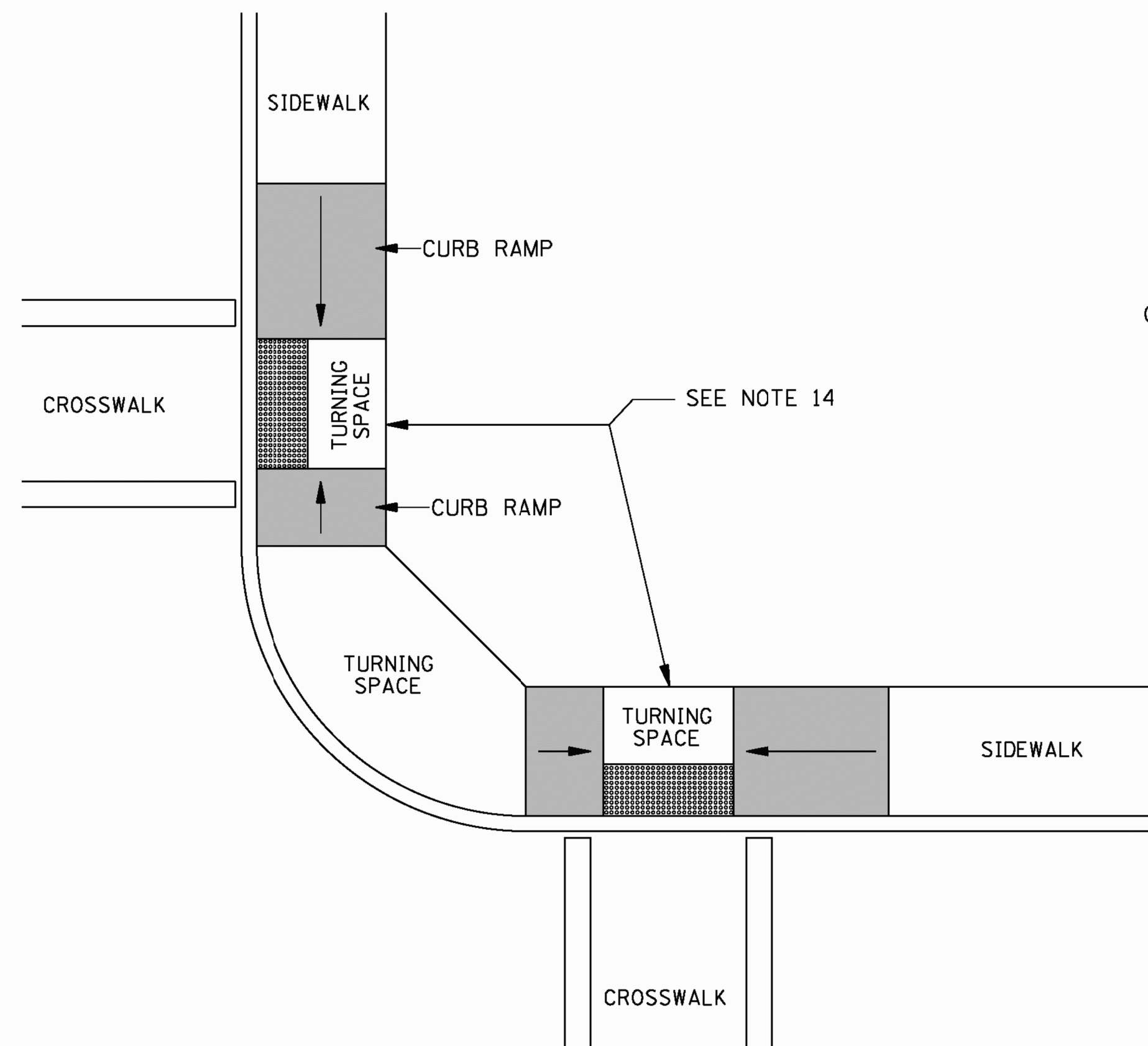
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CURB RAMP CONFIGURATION: TYPE A



CURB RAMP CONFIGURATION: TYPE B

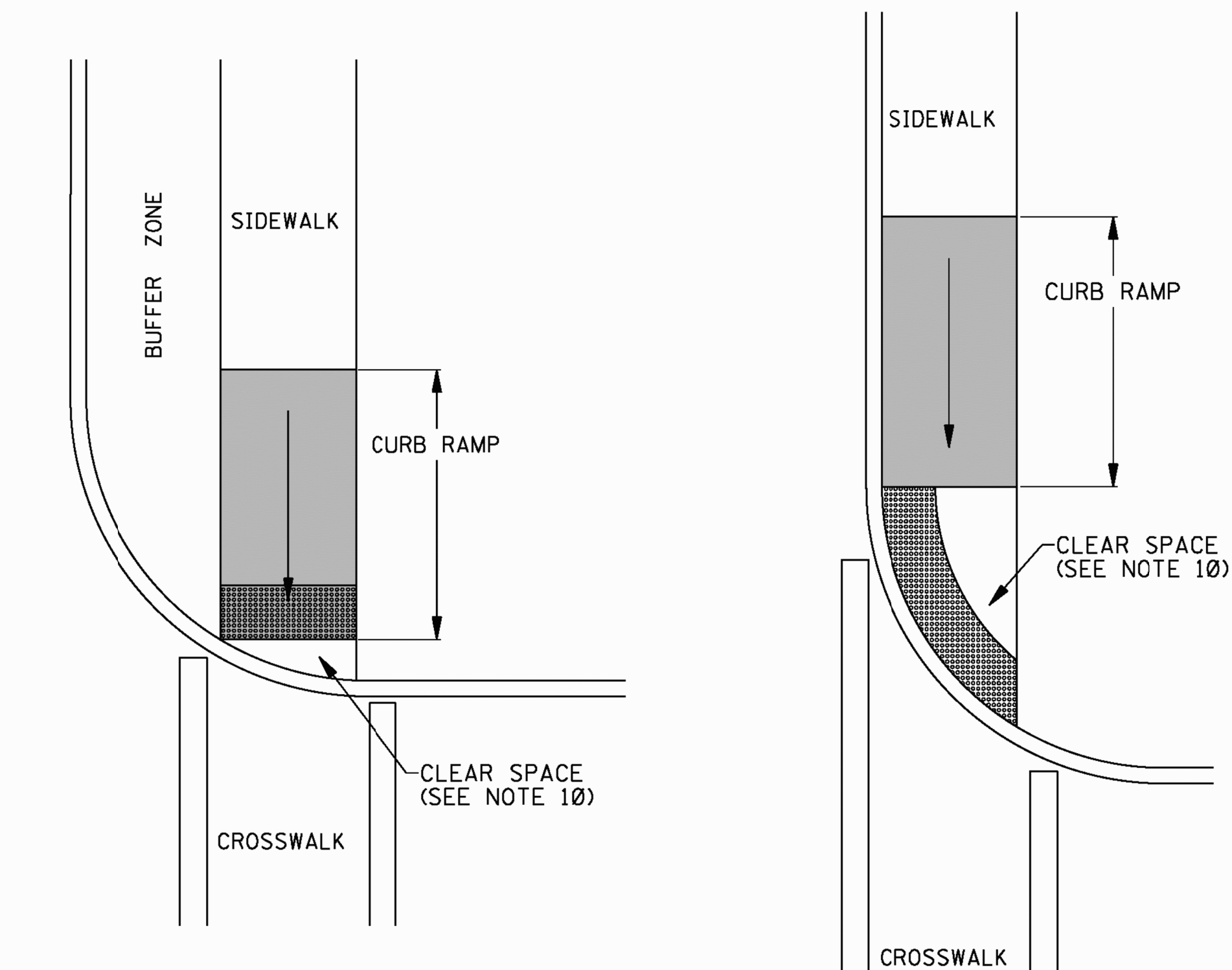


CURB RAMP CONFIGURATION: TYPE C

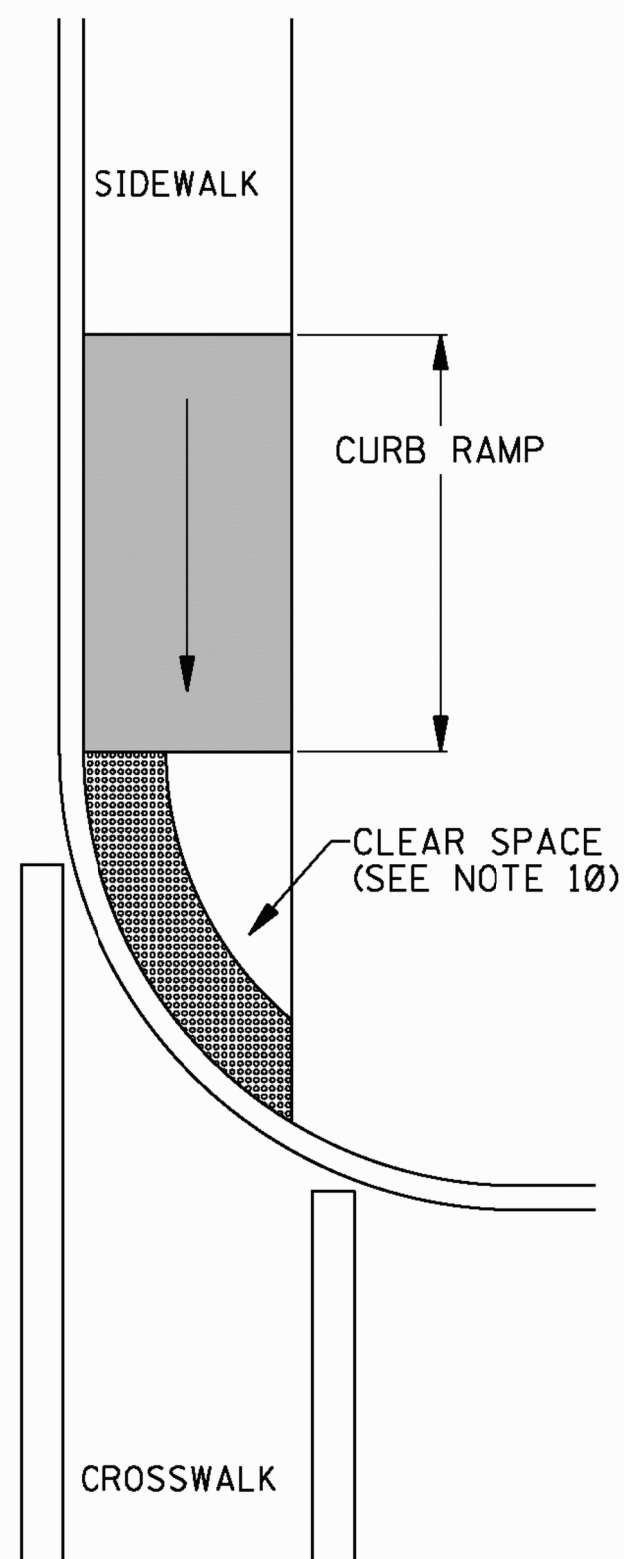
GENERAL NOTES:

1. FOR DIMENSIONS & GEOMETRIC VALUES REFER TO WK. NO. CR-1.
2. THE CONFIGURATIONS SHOWN GENERICALLY REPRESENT THE MOST COMMON SITUATIONS ENCOUNTERED. THEY ARE INTENDED TO PRESENT CURB RAMP DESIGN CONCEPTS. SITE CONDITIONS AT INDIVIDUAL LOCATIONS REQUIRE SPECIFIC DESIGNS. CURB RAMP DESIGNS MUST BE CONSISTENT WITH THE PROVISIONS OF WK. NOS. CR-1, CR-2, CR-3 AND CR-4.
3. COORDINATE TRAFFIC CONTROL DEVICES, UTILITY LOCATIONS, SIGNS, STREET FURNITURE AND DRAINAGE TO ENSURE A CONTINUOUS PEDESTRIAN ACCESS ROUTE AT ALL CURB RAMP LOCATIONS. GUIDANCE FOR CROSSWALK MARKINGS AND TRAFFIC CONTROL DEVICES IS PROVIDED IN THE MUTCD.
4. DETECTABLE WARNINGS SHOWN ON THIS SHEET ARE FOR ILLUSTRATION ONLY. FOR SPECIFIC PLACEMENT ORIENTATIONS AND DIMENSIONS REFER TO WK. NO. CR-4.
5. THE CROSS SLOPE OF CURB RAMPs, BLENDED TRANSITIONS, AND TURNING SPACES SHALL BE 2% MAXIMUM (1.5% PREFERRED). AT PEDESTRIAN STREET CROSSINGS WITHOUT YIELD OR STOP CONTROL AND AT MIDBLOCK PEDESTRIAN STREET CROSSINGS, THE CROSS SLOPE SHALL BE PERMITTED TO EQUAL THE STREET OR HIGHWAY GRADE.
6. DIAGONAL CURB RAMPs ARE UNACCEPTABLE IN NEW CONSTRUCTION. THEY MAY BE USED FOR ALTERATIONS ONLY IF IT IS THE ONLY OPTION THAT WILL WORK.
7. GRATES SHALL NOT BE LOCATED ON CURB RAMPs, BLENDED TRANSITIONS, TURNING SPACES, OR LANDINGS. ACCESS COVERS OF SIMILAR SURFACES SHALL COMPLY WITH APPLICABLE SURFACE REQUIREMENTS.
8. UTILITIES, SIGNS, AND OTHER FIXED OBJECTS SHALL NOT BE PLACED ON A CURB RAMP, PEDESTRIAN ACCESS ROUTE, OR IN A MANNER THAT INTERFERES WITH THE USE OF THE CURB RAMP.
9. THE SURFACE OF ALL CURB RAMPs SHALL BE STABLE, FIRM, AND SLIP RESISTANT. A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE SLOPE IS RECOMMENDED ON CONCRETE RAMP SURFACES, EXCLUSIVE OF THE DETECTABLE WARNING FIELDS.
10. THERE SHALL BE A CLEAR SPACE AT THE BOTTOM OF THE ALTERNATE PERPENDICULAR RETURNED CURB RAMP. IT SHALL SLOPE TO DRAIN RUNOFF TO STREET/GUTTER AND HAVE A MAXIMUM SLOPE OF 2% (1.5% PREFERRED).
11. TURNING SPACES MAY OVERLAP WITH ADJACENT TURNING SPACES OR A SINGLE TURNING SPACE MAY SERVE MULTIPLE CURB RAMPs.
12. TURNING SPACES MAY OVERLAP WITH THE CLEAR GROUND SPACE REQUIRED AT PEDESTRIAN SIGNAL PUSH BUTTONS.
13. THE CLEAR WIDTH OF PEDESTRIAN ACCESS ROUTES WITHIN MEDIANS AND PEDESTRIAN REFUGE ISLANDS SHALL BE 5' MINIMUM.
14. BEYOND THE BOTTOM GRADE BREAK, A TURNING SPACE OF 4' MINIMUM BY 4' MINIMUM SHALL BE PROVIDED WITHIN THE WIDTH OF THE PEDESTRIAN STREET CROSSING AND WHOLLY OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE.

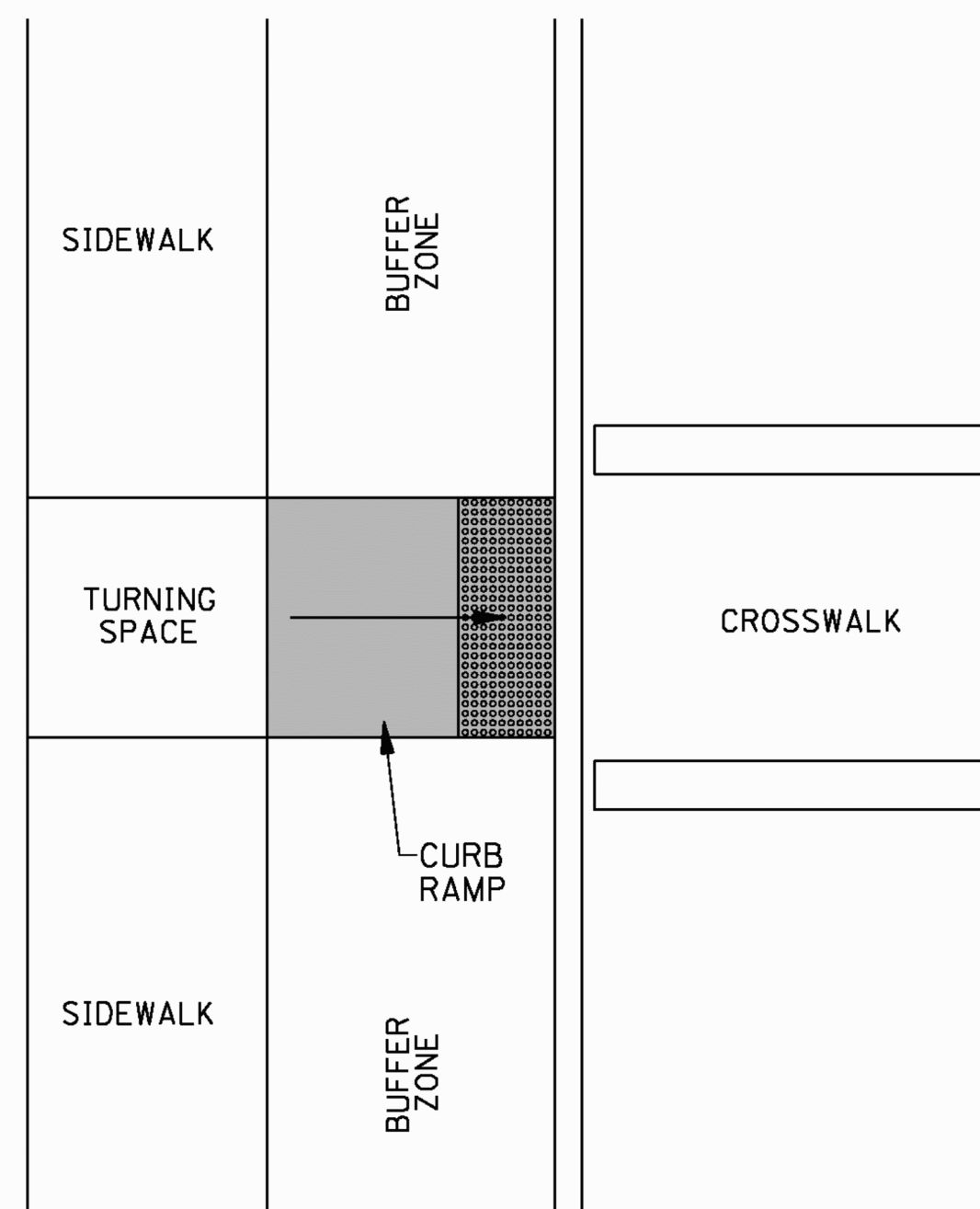
NOTE: SEE WK. NO. CR-4 FOR DETECTABLE WARNING DIMENSIONS AND PLACEMENT ORIENTATION.



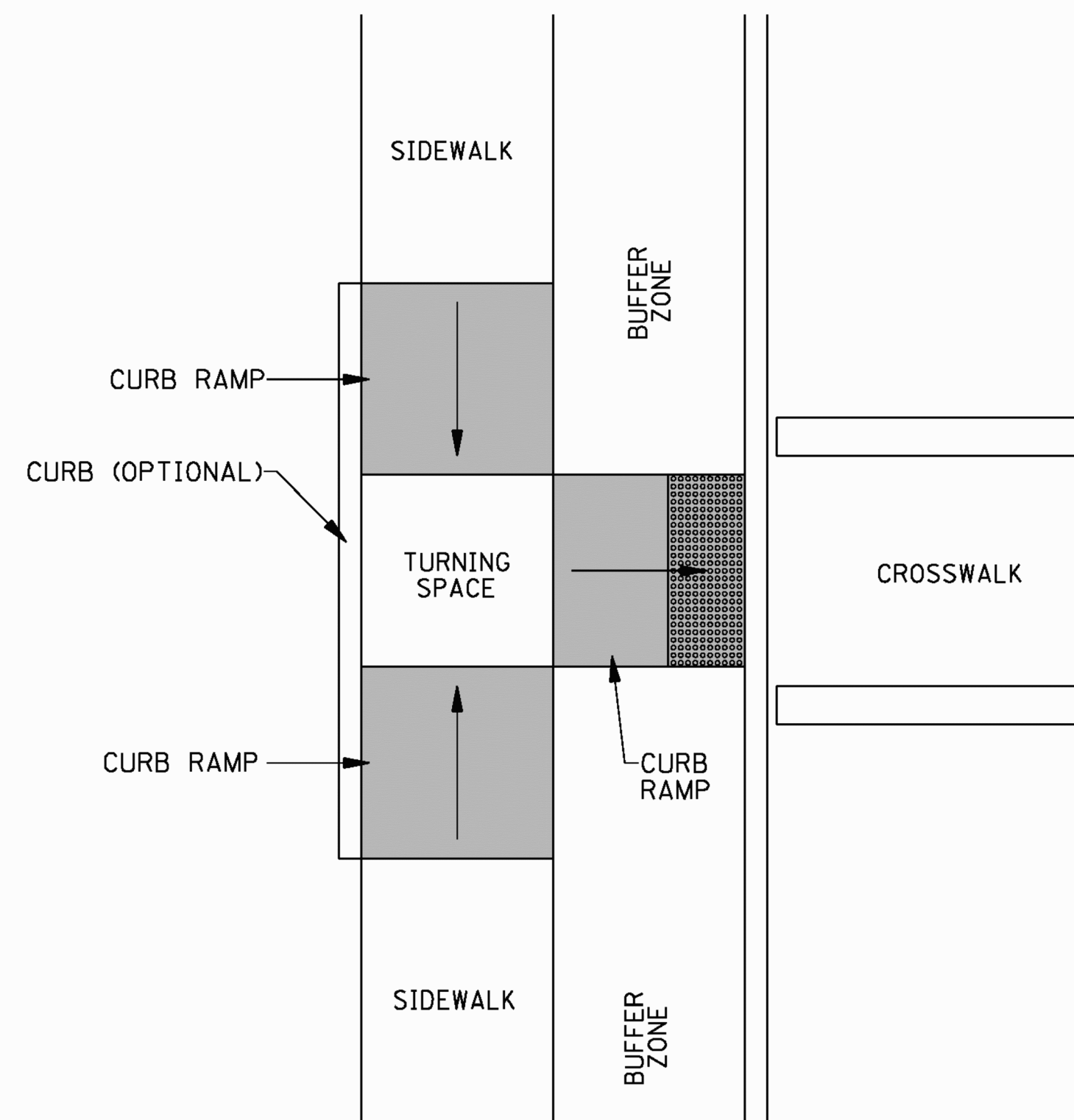
CURB RAMP CONFIGURATION: TYPE D



CURB RAMP CONFIGURATION: TYPE E



CURB RAMP CONFIGURATION: TYPE F



CURB RAMP CONFIGURATION: TYPE G
MID BLOCK CROSSING

THE CURB BEHIND THE TURNING SPACE AND RAMPs IS NOT REQUIRED, BUT IS SUGGESTED FOR RETAINING SOIL AND PROVIDING AN EDGE FOR PEDESTRIANS WITH VISUAL IMPAIRMENTS.

				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
					ROADWAY DESIGN DIVISION
					STANDARD PLAN
					CURB RAMPs
					PLACEMENT DETAILS
					
					WORKING NUMBER
					CR-2
					SHEET NUMBER
					6422
				DATE	ISSUE DATE: AUGUST 01, 2017

GENERAL NOTES:

1. THE DETAILS PROVIDED ARE NOT DRAWN TO SCALE. THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 2' LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.
2. ALL DETECTABLE WARNINGS SHOWN ON THIS SHEET SHALL BE PAID FOR - PER SQUARE FEET, UNLESS OTHERWISE NOTED IN THE PLANS.

DETECTABLE WARNING UNIT DIMENSIONS:

3. DETECTABLE WARNING SURFACES SHALL EXTEND 2' MINIMUM IN THE DIRECTION OF PEDESTRIAN TRAVEL. AT CURB RAMPS AND BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN (EXCLUDING ANY FLARED SIDES), BLENDED TRANSITION, OR TURNING SPACE. AT PEDESTRIAN AT-GRADE RAIL CROSSINGS NOT LOCATED WITHIN A STREET OR HIGHWAY, DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE CROSSING. AT BOARDING PLATFORMS FOR BUSES AND RAIL VEHICLES, DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL LENGTH OF THE PUBLIC USE AREAS OF THE PLATFORM. AT BOARDING AND ALIGHTING AREAS AT SIDEWALK OR STREET LEVEL TRANSIT STOPS FOR RAIL VEHICLES, DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL LENGTH OF THE TRANSIT STOP.

DOME ALIGNMENT:

4. THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE GRADE BREAK AT THE RAMP LANDING OR BETWEEN THE CURB RAMP AND THE STREET.
5. WHERE DOMES ARE ARRAYED RADially THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.

COLOR REQUIREMENTS:

6. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, STREET OR HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.

DETECTABLE WARNINGS LOCATIONS:

7. ON PERPENDICULAR CURB RAMPS, WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE IN FRONT OF THE BACK OF CURB, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE BACK OF CURB, WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE BEHIND THE BACK OF CURB AND THE DISTANCE FROM EITHER END OF THE BOTTOM GRADE BREAK TO THE BACK OF CURB IS 5' OR LESS, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE RAMP RUN WITHIN ONE DOME SPACING OF THE BOTTOM GRADE BREAK. WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE BEHIND THE BACK OF CURB AND THE DISTANCE FROM EITHER END OF THE BOTTOM GRADE BREAK TO THE BACK OF CURB IS MORE THAN 5', DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE LOWER LANDING AT THE BACK OF CURB.
8. ON PARALLEL CURB RAMPS, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE TURNING SPACE AT THE FLUSH TRANSITION BETWEEN THE STREET AND SIDEWALK.
9. ON BLENDED TRANSITIONS, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE BACK OF CURB. WHERE RAISED PEDESTRIAN STREET CROSSINGS, DEPRESSED CORNERS, OR OTHER LEVEL PEDESTRIAN STREET CROSSINGS ARE PROVIDED, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE FLUSH TRANSITION BETWEEN THE STREET AND THE SIDEWALK.
10. AT CUT-THROUGH PEDESTRIAN REFUGE ISLANDS, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE EDGES OF THE PEDESTRIAN ISLAND AND SHALL BE SEPARATED BY A 2' MINIMUM LENGTH OF SURFACE WITHOUT DETECTABLE WARNINGS.
11. AT PEDESTRIAN AT-GRADE RAIL CROSSINGS NOT LOCATED WITHIN A STREET OR HIGHWAY, DETECTABLE WARNING SURFACES SHALL BE PLACED ON EACH SIDE OF THE RAIL CROSSING. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE RAIL CROSSING SHALL BE 6' MINIMUM AND 15' MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL. WHERE PEDESTRIAN GATES ARE PROVIDED, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE SIDE OF THE GATES OPPOSITE THE RAIL.
12. AT BOARDING PLATFORMS FOR BUSES AND RAIL VEHICLES, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE BOARDING EDGE OF THE PLATFORM.
13. AT BOARDING AND ALIGHTING AREAS AT SIDEWALK OR STREET LEVEL TRANSIT STOPS FOR RAIL VEHICLES, DETECTABLE WARNING SURFACES SHALL BE PLACED AT THE SIDE OF THE BOARDING AND ALIGHTING AREA FACING THE RAIL VEHICLES.



NOTE: IF THE DISTANCE FROM THE GRADE BREAK IS GREATER THAN OR EQUAL TO 5', DETECTABLE WARNINGS SHALL BE PLACED ALONG THE RADIUS OF THE CURVE AS SHOWN IN THE ABOVE DETAIL.



NOTE: IF THE DISTANCE FROM THE GRADE BREAK IS LESS THAN OR EQUAL TO 5', DETECTABLE WARNINGS SHALL BE PLACED ON THE CURB RAMP ALONG THE BOTTOM GRADE BREAK WITH ONE CORNER 5" TO 9" FROM THE FRONT OF THE CURB OR EDGE OF THE ROADWAY.

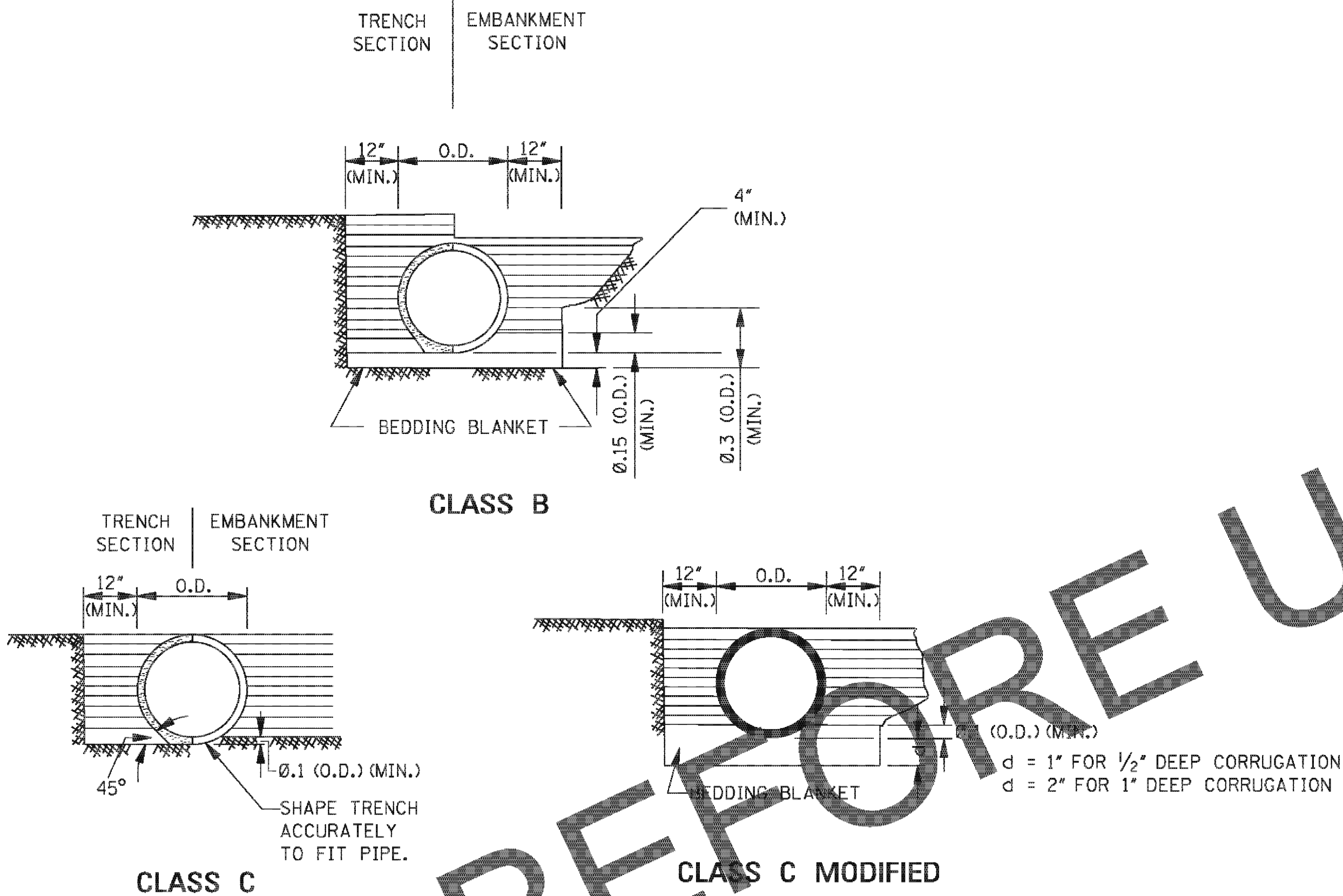


NON-ELEVATED CROSSING

[illegible]

CORRUGATED STEEL AND ALUMINUM PIPE (ROUND)						
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 3/8" X 1/2" CORRUGATED STEEL HELICAL	3" X 1" OR 5" X 1" CORRUGATED STEEL HELICAL	2 3/8" X 1/2" CORRUGATED ALUMINUM HELICAL		
12"	12"	207' / - / 125'	259' / - / 157'	- / - / -	- / - / -	- / - / -
15"	12"	165' / - / 100'	207' / - / 125'	- / - / -	- / - / -	- / - / -
18"	12"	138' / - / 83'	172' / - / 104'	242' / - / -	- / - / -	- / - / -
24"	12"	103' / - / 62'	129' / - / 78'	181' / - / 109'	- / - / -	- / - / -
30"	12"	82' / - / -	103' / - / 69'	145' / - / 97'	- / - / -	- / - / -
36"	12"	68' / - / -	86' / - / 62'	120' / - / 87'	155' / - / 94'	- / - / -
42"	12"	58' / - / -	73' / - / 51'	103' / - / 73'	133' / - / 80'	163' / - / -
48"	12"	51' / - / -	64' / - / -	90' / - / 62'	116' / - / 70'	142' / - / 85'
54"	12"	- / 46' / -	57' / 58' / -	80' / 82' / 54'	103' / 106' / 62'	126' / 129' / 76'
60"	12"	- / 42' / -	- / 52' / -	72' / 74' / 48'	93' / 95' / 52'	114' / 116' / 64'
66"	12"	- / 38' / -	- / 47' / -	- / 66' / -	84' / 86' / -	103' / 106' / 52'
72"	12"	- / 35' / -	- / 43' / -	- / 61' / -	77' / 79' / -	94' / 97' / 43'
78"	12"	- / 32' / -	- / 40' / -	- / 56' / -	- / 73' / -	84' / 89' / -
84"	12"	- / 29' / -	- / 37' / -	- / 52' / -	- / 68' / -	72' / 83' / -
90"	12"	- / 27' / -	- / 34' / -	- / 49' / -	- / 63' / -	- / 77' / -
96"	12"	- / - / -	- / 32' / -	- / 46' / -	- / 59' / -	- / 72' / -
102"	24"	- / - / -	- / 30' / -	- / 43' / -	- / 55' / -	- / 68' / -
108"	24"	- / - / -	- / - / -	- / 40' / -	- / 52' / -	- / 64' / -
114"	24"	- / - / -	- / - / -	- / 38' / -	- / 50' / -	- / 61' / -
120"	24"	- / - / -	- / - / -	- / 36' / -	- / 47' / -	- / 58' / -

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 36M/M 36 & AASHTO M 196M/M 196).



MAXIMUM HEIGHT OF FILL OVER REINFORCED CONCRETE PIPE		
CLASS OF PIPE	MAXIMUM COVER (ft)	
	CLASS "C" BEDDING	CLASS "B" BEDDING
III	12'	19'
IV	18'	30'
V	28'	48'
SPECIAL DESIGN	>28'	>48'

NOTE: CLASS OF PIPE AND BEDDING TO BE CONSISTENT THROUGHOUT THE PIPE LENGTH.

CORRUGATED METAL PIPE ARCHES					
EQUIV. DIAMETER (in)	PIPE DIMENSION (SPAN X RISE) (in)	MINIMUM COVER	STEEL		ALUMINUM
			MINIMUM THICKNESS REQUIRED (in)	MAXIMUM FILL HEIGHT ABOVE TOP OF PIPE (ft) FOR THE FOLLOWING CORNER BEARING PRESSURE (tons/ft²)	MINIMUM THICKNESS REQUIRED (in)
				† 4 tons/ft²	
				2 3/8" X 1/2" CORRUGATION HELICAL	2 3/8" X 1/2" CORRUGATION RIVETED OR HELICAL
15"	17" X 13"	12"	0.064"	13'	0.064"
18"	21" X 15"	12"	0.064"	12'	0.064"
24"	28" X 20"	12"	0.064"	12'	0.075"
30"	35" X 24"	12"	0.064"	12'	0.075"
36"	42" X 29"	12"	0.064"	12'	0.105"
42"	49" X 33"	12"	0.079"	12'	0.105"
48"	57" X 38"	12"	0.109"	12'	0.135"
54"	64" X 43"	12"	0.109"	12'	0.135"
60"	71" X 47"	12"	0.138"	12'	0.164"
66"	77" X 52"	12"	0.168"	12'	
72"	83" X 57"	12"	0.168"	12'	
				3" X 1" CORRUGATION HELICAL	5" X 1" CORRUGATION HELICAL
48"	53" X 41"	12"	0.079"	12'	-
54"	60" X 46"	12"	0.079"	20'	-
60"	66" X 51"	12"	0.079"	20'	-
66"	73" X 55"	12"	0.079"	20'	-
72"	81" X 59"	12"	0.079" / 0.109"	17' / 17'	
78"	87" X 63"	12"	0.079" / 0.109"	16' / 16'	
84"	95" X 67"	12"	0.079" / 0.109"	16' / 16'	
90"	103" X 71"	12"	0.109" / 0.109"	16' / 16'	
96"	112" X 75"	12"	0.109" / 0.109"	16' / 16'	
102"	117" X 79"	12"	0.109" / 0.109"	16' / 16'	
108"	128" X 83"	12"	0.138" / 0.138"	16' / 16'	
114"	137" X 87"	12"	0.138" / 0.138"	16' / 16'	
120"	142" X 91"	12"	0.168" / 0.168"	16' / 16'	

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 36M/M 36 & AASHTO M 196M/M 196).

† 2. BEARING PRESSURES FOR GIVEN FILL HEIGHT SHALL HAVE FOUNDATION MATERIALS INVESTIGATED TO DETERMINE BEARING CAPACITY.

- 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 CONTRACTOR'S EXPENSE AND A DEFORMATION TO THE PIPE'S FLOWLINE IS NOT EVIDENT ON FINAL PLACEMENT.
 4. THE BACKFILL SHALL BE EITHER CLASS "B", CLASS "C", OR CLASS "C" MODIFIED. A MINIMUM COMPACTION LEVEL OF 95% STANDARD PROCTOR DENSITY PER AASHTO T99 SHALL BE ACHIEVED BY USE OF VIBRATORY PLATE, HYDROHAMMER TYPE COMPACTORS SHALL NOT BE USED OVER THE PIPE. ALL COMPACTION EQUIPMENT USED SHALL BE APPROVED BY THE ENGINEER.

				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
				REVISION	
				DATE	ISSUE DATE: AUGUST 01, 2017

**PIPE CULVERT
INSTALLATION**

WORKING NUMBER
PI-1
SHEET NUMBER
6501

STANDARD INSTALLATION DETAIL

TABLE 1: BEDDING AND BACKFILL REQUIREMENTS

BEDDING AND BACKFILL REQUIREMENTS FOR NON-RIGID PIPE IN CROSS DRAIN AND STORM DRAIN APPLICATIONS	
A.	BEDDING SHALL BE CLASS B IN ACCORDANCE WITH THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
B.	BACKFILL MATERIAL SHALL BE ONE OF THE FOLLOWING: 1. FLOWABLE FILL IN ACCORDANCE WITH THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION. 2. CRUSHED STONE AGGREGATE BACKFILL IN ACCORDANCE WITH THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
IF FLOWABLE FILL IS UTILIZED, CARE SHALL BE TAKEN TO PREVENT "FLOATING" OF THE PIPE. THE COST OF FURNISHING AND PLACING THE REQUIRED BEDDING AND BACKFILL MATERIAL INDICATED IN A AND B SHALL BE INCLUDED IN THE UNIT COST OF THE NON-RIGID PIPE ALTERNATE, I.E., THERE IS NO SEPARATE PAY ITEM FOR NON-RIGID PIPE BEDDING AND BACKFILL MATERIAL.	
BEDDING AND BACKFILL REQUIREMENTS FOR NON-RIGID PIPE IN SIDE DRAIN APPLICATIONS	
A.	BEDDING SHALL BE CLASS C IN ACCORDANCE WITH THE MISSISSIPPI SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
B.	BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH THE MISSISSIPPI SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. PIPES THAT SERVE AS A SIDE DRAIN ON DEPARTMENT RIGHT OF WAY, BUT CARRY DRAINAGE UNDER A COUNTY OR LOCAL ROAD SHALL ADHERE TO THE BEDDING AND BACKFILL REQUIREMENTS FOR A CROSS DRAIN CONTAINED ABOVE.
THE COST OF FURNISHING AND PLACING THE REQUIRED BEDDING AND BACKFILL MATERIAL INDICATED IN A AND B SHALL BE INCLUDED IN THE UNIT COST OF THE NON-RIGID ALTERNATE PIPE, I.E., THERE IS NO SEPARATE PAY ITEM FOR NON-RIGID BEDDING AND BACKFILL MATERIAL.	

TABLE 2:
HIGH DENSITY CORRUGATED POLYETHYLENE PIPE
HEIGHT OF COVER

NOMINAL DIAMETER IN.	MINIMUM COVER IN.	MAXIMUM COVER - FT.	
		CROSS DRAIN	SIDE DRAIN
12	12	38	11
15	12	36	12
18	12	35	11
24	12	30	10
30	12	25	9
36	21	29	10
42	21	27	9
48	21	25	8

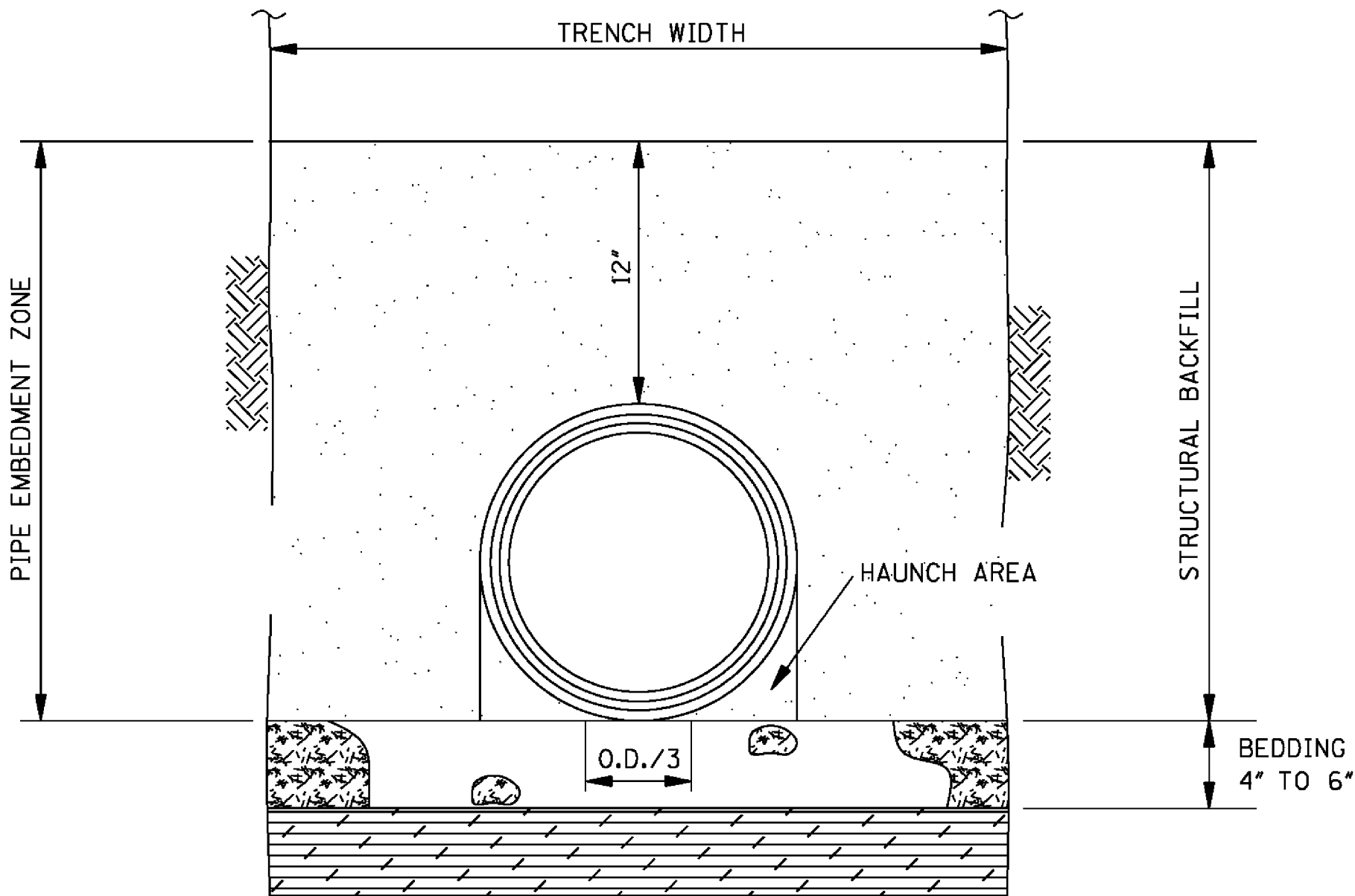
TABLE 3: RECOMMENDED TRENCH WIDTH

DIAMETER IN.	O.D. IN.	TRENCH WIDTH IN.
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

THE TRENCH WIDTH MUST BE WIDE ENOUGH TO
ACCOMODATE COMPACTION EQUIPMENT

TABLE 4: MULTIPLE INSTALLATION OF
POLYETHYLENE PIPES

DIAMETER OF PIPE IN.	CLEAR DISTANCE BETWEEN PIPES FT.-IN.
18	1'-2"
24	1'-5"
30	1'-8"
36	1'-11"
42	2'-2"
48	2'-5"

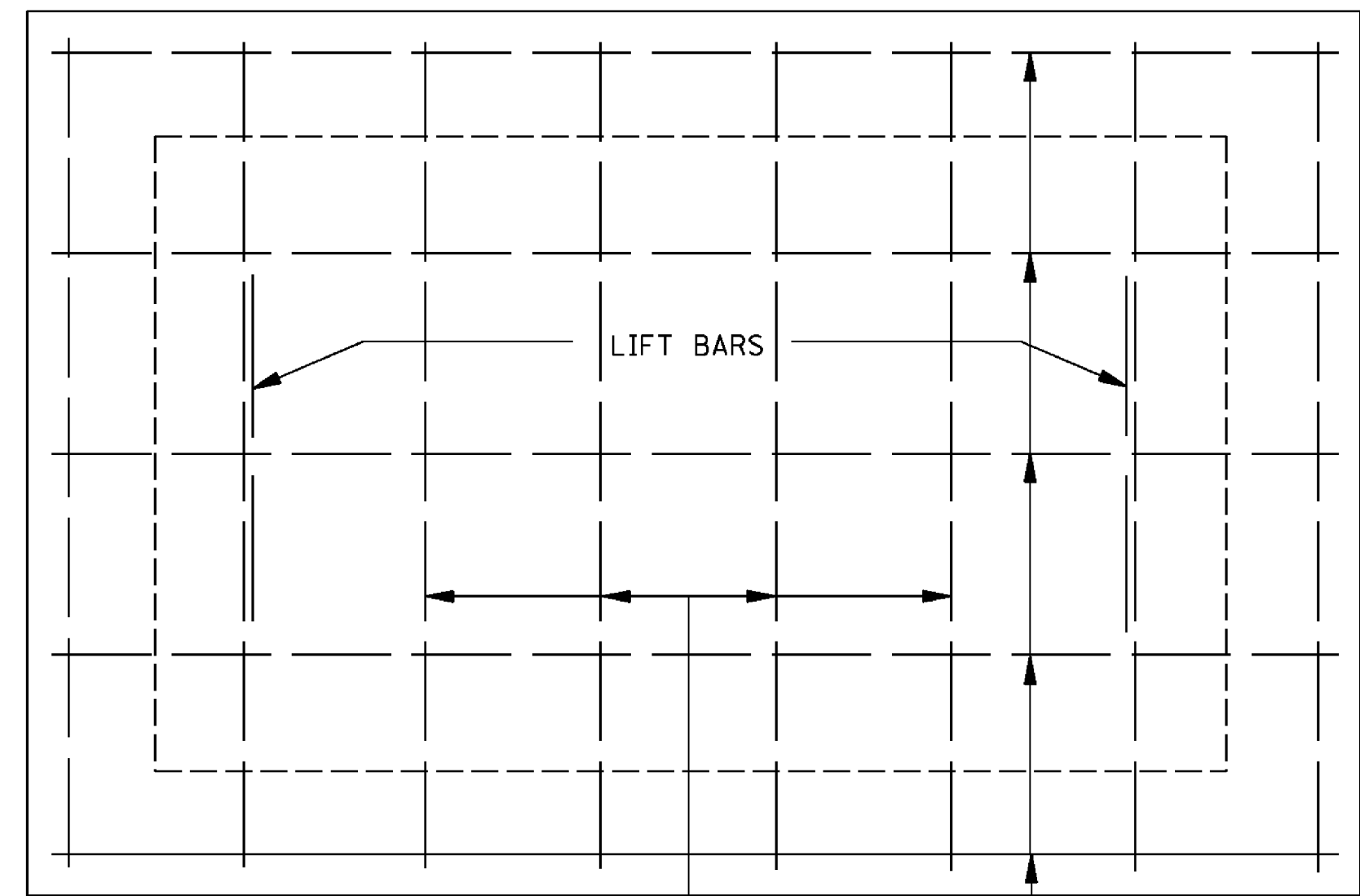


TRENCH CROSS SECTION SHOWING TERMINOLOGY

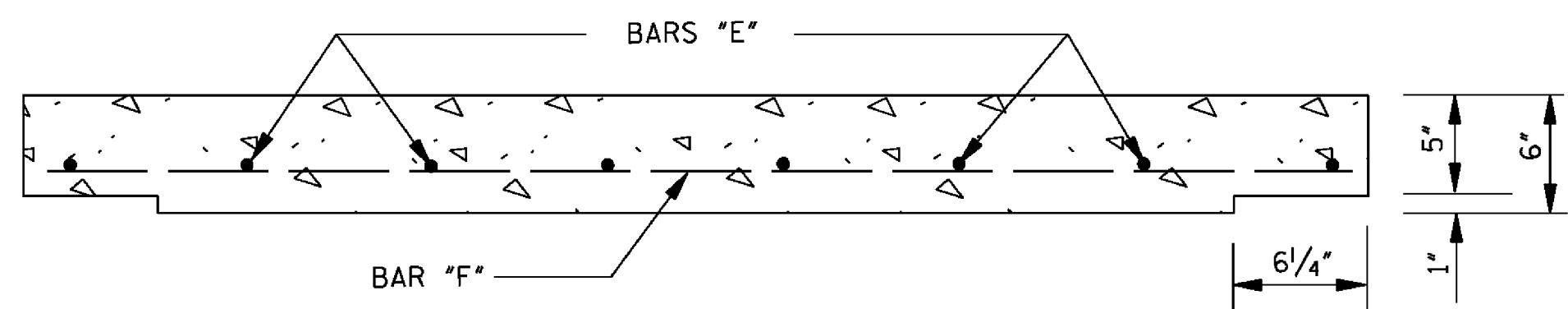
GENERAL NOTES:

- MATERIALS
THERMOPLASTIC PIPE
POLYETHYLENE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 294, LATEST EDITION.
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.
BEDDING MATERIAL AND STRUCTURAL BACKFILL
BEDDING MATERIAL AND STRUCTURAL BACKFILL SHALL MEET THE REQUIREMENTS OF TABLE 1.
- JOINTS
JOINTS FOR THERMOPLASTIC PIPE SHALL MEET THE PERFORMANCE REQUIREMENTS OF SOILTIGHTNESS UNLESS WATERTIGHTNESS IS SPECIFIED.
SUITABLE JOINTS CAN BE OBTAINED WITH THE FOLLOWING TYPES OF CONNECTIONS:
A) CORRUGATED BANDS (WITH OR WITHOUT GASKETS)
B) BELL AND SPIGOT PIPE ENDS (WITH OF WITHOUT GASKETS)
C) DOUBLE BELL COUPLINGS (WITH OR WITHOUT GASKETS)
- INSTALLATION
MINIMUM TRENCH WIDTHS SHALL MEET THE REQUIREMENTS OF TABLE 3.
THE MIDDLE THIRD OF THE BEDDING MATERIAL UNDER THE PIPE SHOULD BE LOOSELY PLACED, WHILE THE REMAINDER SHALL BE COMPACTED TO A MINIMUM 90% OF MAXIMUM DENSITY PER AASHTO T 99.
A MINIMUM OF 4 INCHES OF BEDDING SHALL BE PROVIDED PRIOR TO PLACEMENT OF THE PIPE.
STRUCTURAL BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING AN 8" LOOSE LIFT THICKNESS AND BROUGHT UP EVENLY ON BOTH SIDES OF THE PIPE WITH AN ELEVATION NOT LESS THAN 12 INCHES ABOVE THE TOP OF THE PIPE. A MINIMUM COMPACTION LEVEL OF 90% STANDARD DENSITY PER AASHTO T 99 SHALL BE ACHIEVED.
MINIMUM COVER REQUIREMENTS SHALL MEET THE REQUIREMENTS OF TABLE 2.
FOR MULTIPLE INSTALLATIONS OF POLYETHYLENE PIPES, A CLEAR DISTANCE BETWEEN THE PIPES SHALL MEET THE REQUIREMENTS OF TABLE 4.
- CALCULATIONS FOR FILL DEPTHS ARE BASED ON PROPERTIES DEFINED IN AASHTO M294 AND CALCULATIONS IN AASHTO SEC. 19.

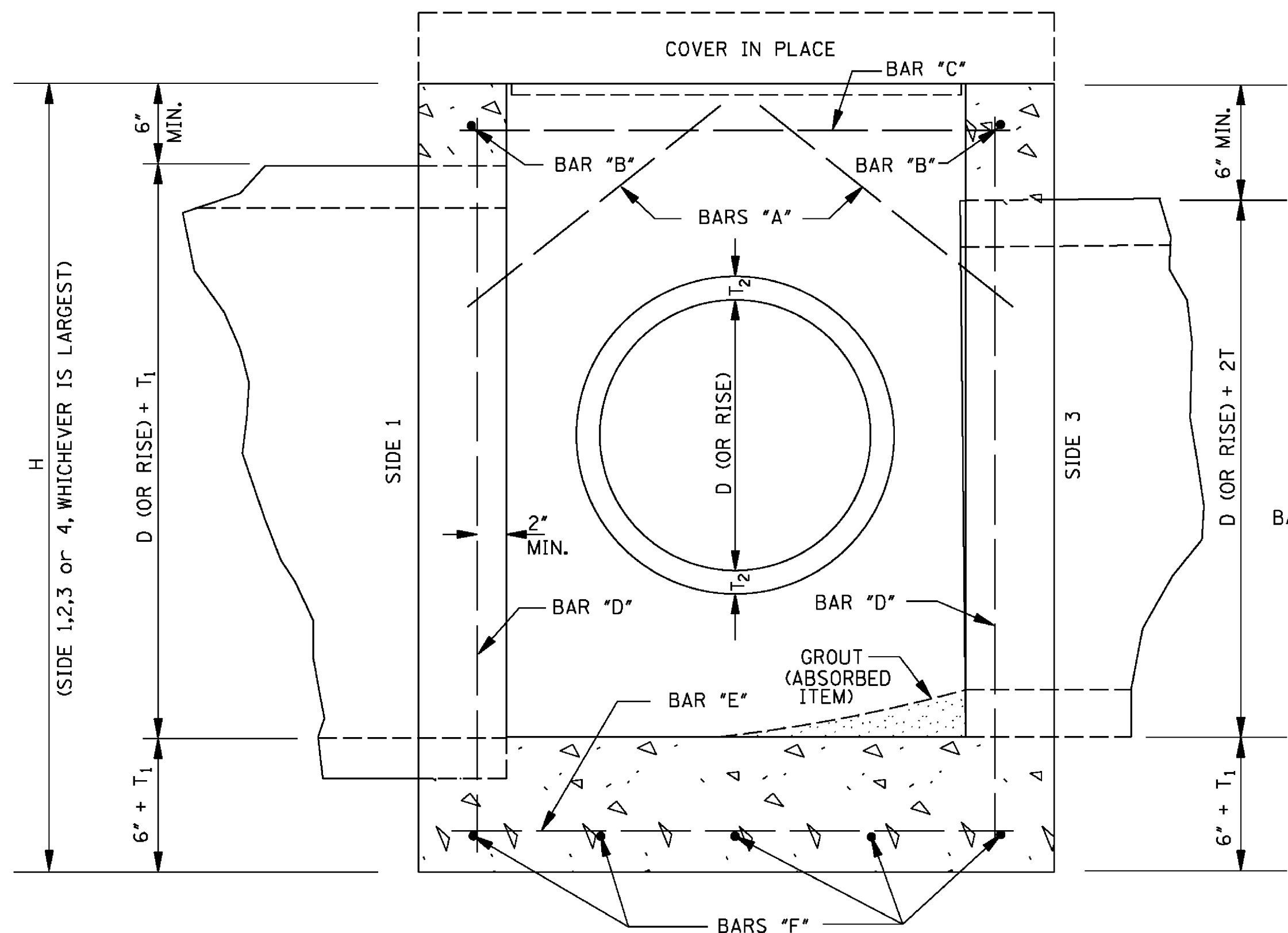
				BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
				REVISION		
				DATE		
ISSUE DATE: AUGUST 01, 2017						 WORKING NUMBER PI-2 SHEET NUMBER 6502



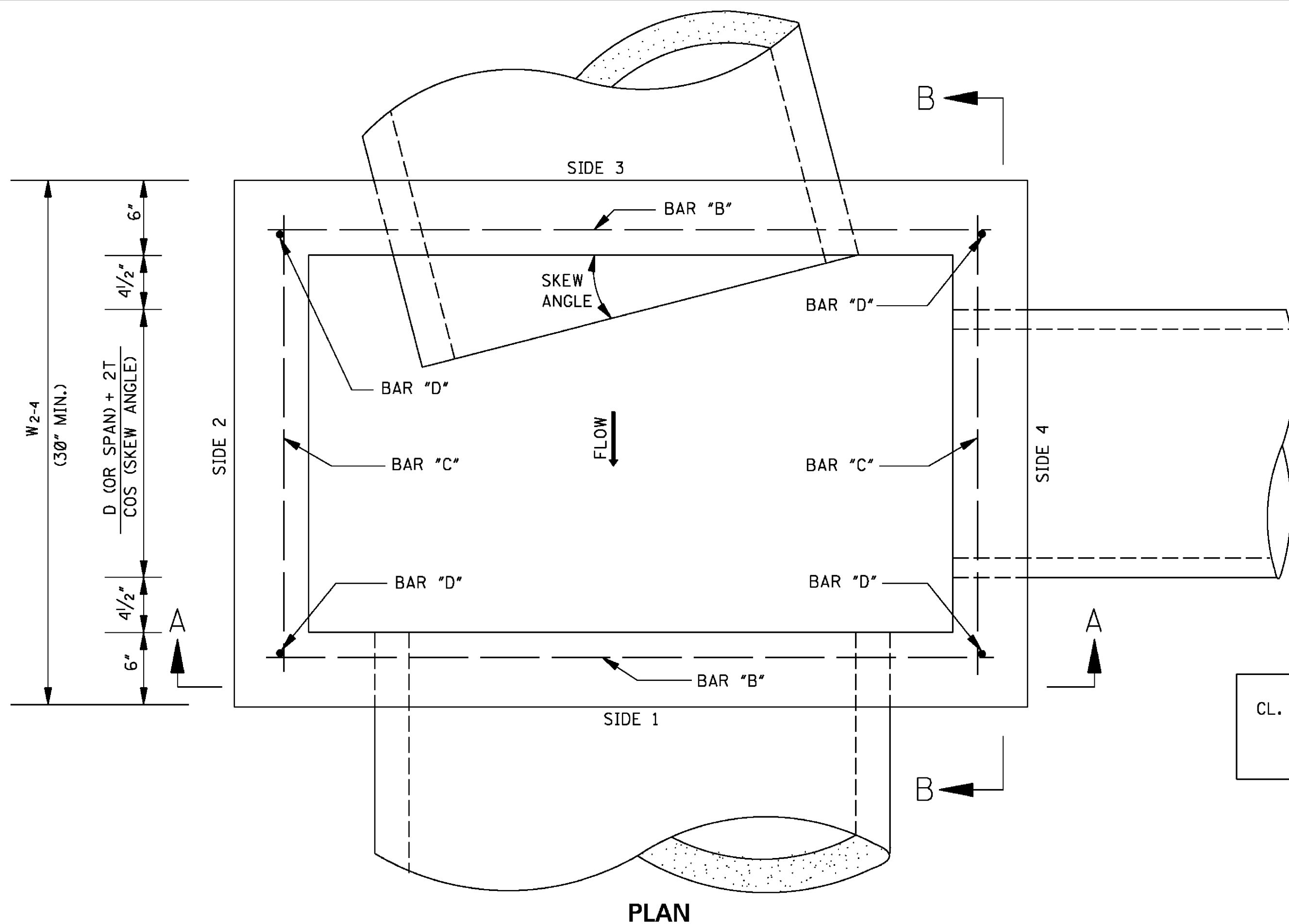
PLAN OF COVER



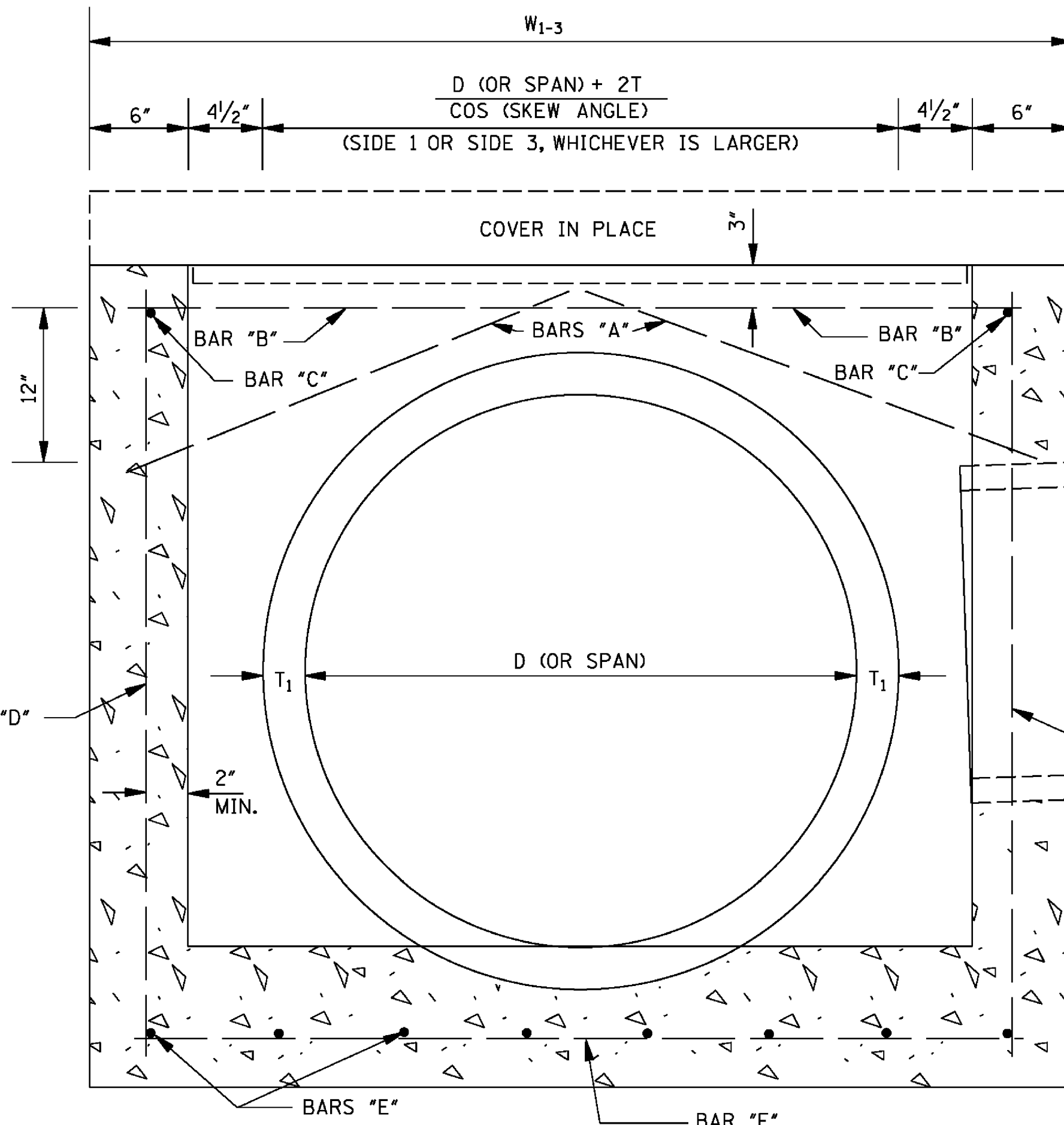
ELEVATION OF COVER



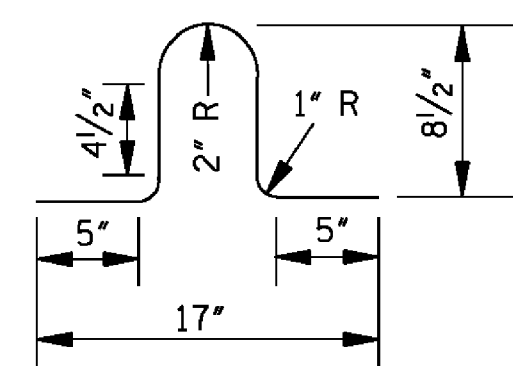
SECTION B-B



PLAN



SECTION A-A



LIFT BAR

NOTE: LIFT BAR TO BE FABRICATED FROM A #4 BAR 30" LONG. TWO LIFT BARS ARE REQUIRED. REINFORCING STEEL FOR 2 LIFT BARS = 3.3 lbs.

REINFORCING BAR LIST			
BAR	SIZE	NUMBER REQUIRED	LENGTH
A	#4	2 PER PIPE OPENING	$\sqrt{196 + \left(\frac{W^*}{2} + 2\right)^2}$
B	#4	2	$W_{1-3} - 6$
C	#4	2	$W_{2-4} - 6$
D	#4	4	$H - 6$
E	#4	$2 \left[\left(\frac{W_{1-3}}{9} \right) ** + 1 \right]$	$W_{2-4} - 4$
F	#4	$2 \left[\left(\frac{W_{2-4}}{9} \right) ** + 1 \right]$	$W_{1-3} - 4$

NOTE: VARIABLES AND DESIGNATIONS ARE AS FOLLOWS:
D (OR SPAN) = PIPE DIAMETER (OR SPAN)
W₁₋₃ = WIDTH OF SIDE 1 & SIDE 3
W₂₋₄ = WIDTH OF SIDE 2 & SIDE 4
W* = W₁₋₃ OR W₂₋₄ (SIDE OF ENTERING PIPE)
** = ROUND TO NEAREST WHOLE NUMBER

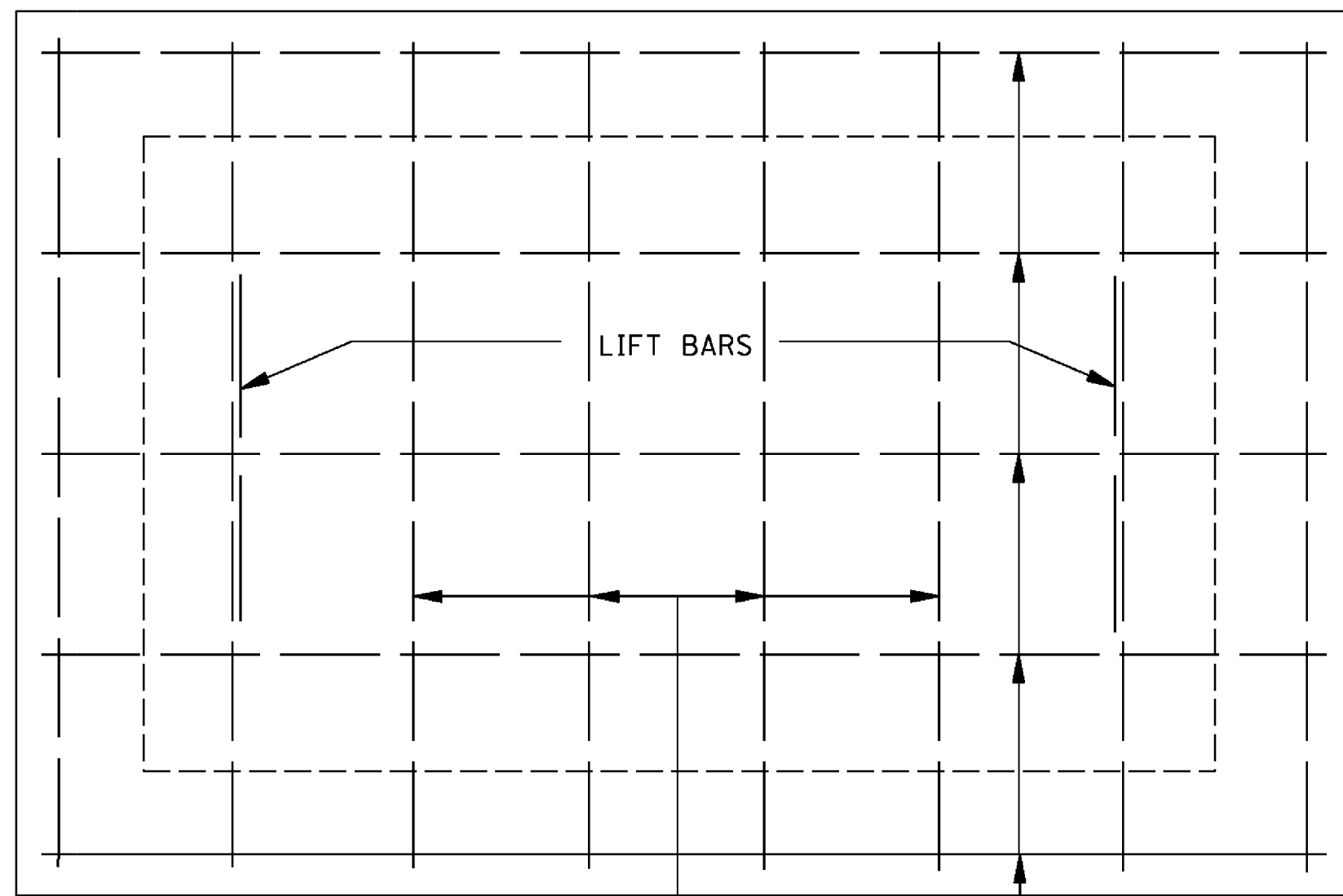
CL. "B" CONC. (yd³) = $\left[(Q1 + Q2) / 46,656 \right] - \sum \text{PIPE OPENING DEDUCTIONS}$
WHERE: $Q1 = [5 \times W_{1-3} \times W_{2-4}] + [1 \times (W_{1-3} - 12.5 \times W_{2-4} - 12.5 \times W_{2-4})] + [(T1 + 6 \times W_{1-3} \times W_{2-4})]$
 $Q2 = 12 \times [H - (T1 + 6 \times W_{1-3} - 12 \times W_{1-3}) + W_{2-4}]$

CIRCULAR PIPE			ARCH PIPE		
PIPE SIZE	T	PIPE OPENING DEDUCTION (yd ³)	PIPE SIZE	T	PIPE OPENING DEDUCTION (yd ³)
18"	2 1/2"	0.053	22" x 13"	2 1/2"	0.053
24"	3"	0.091	29" x 18"	3"	0.087
30"	3 1/2"	0.138	36" x 23"	3 1/2"	0.129
36"	4"	0.196	44" x 27"	4"	0.185
42"	4 1/2"	0.263	51" x 31"	4 1/2"	0.245
48"	5"	0.340	58" x 36"	5"	0.318
54"	5 1/2"	0.427	65" x 40"	5 1/2"	0.394
60"	6"	0.524	73" x 45"	6"	0.489
66"	6 1/2"	0.630			
72"	7"	0.747			

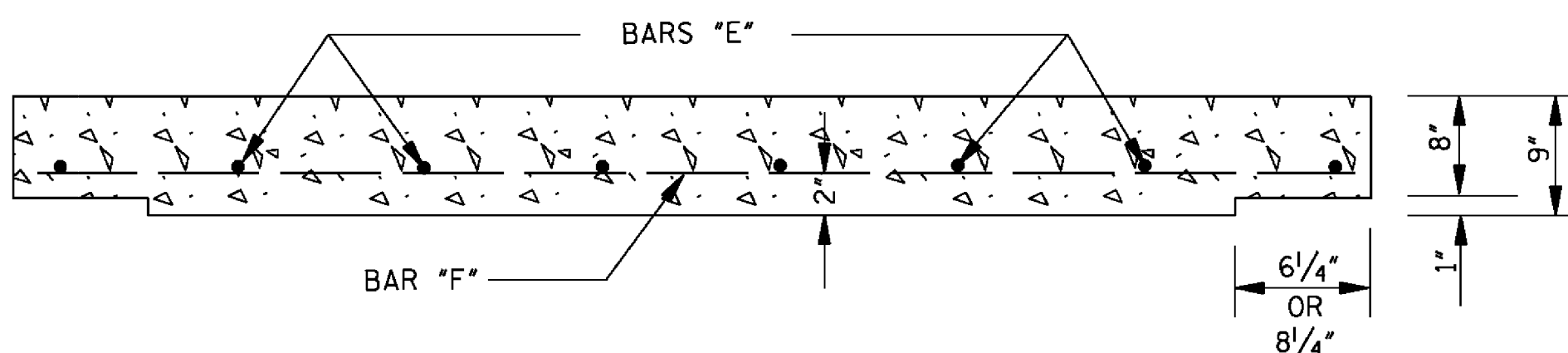
GENERAL NOTES:

- REINFORCING STEEL QUANTITIES TO BE COMPUTED FROM BAR LIST AND SHOWN ELSEWHERE ON THE PLANS.
- QUANTITIES FOR JUNCTION BOXES SHOWN ON THE PLANS WILL BE THE BASIS FOR PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
- CONCRETE SHALL BE CLASS "B" AND REINFORCING STEEL SHALL BE DEFORMED BARS.
- SIDE 1 OF THE JUNCTION BOX WILL ALWAYS BE THE OUTFLOW SIDE.
- IF PIPES ARE SKEWED MORE THAN 15° OR IF SKEWED PIPES PRODUCE CONFLICTS WITH ANOTHER OPENING, THE PIPE SHALL BE BROKEN BACK TO THE WALL OF THE JUNCTION BOX.

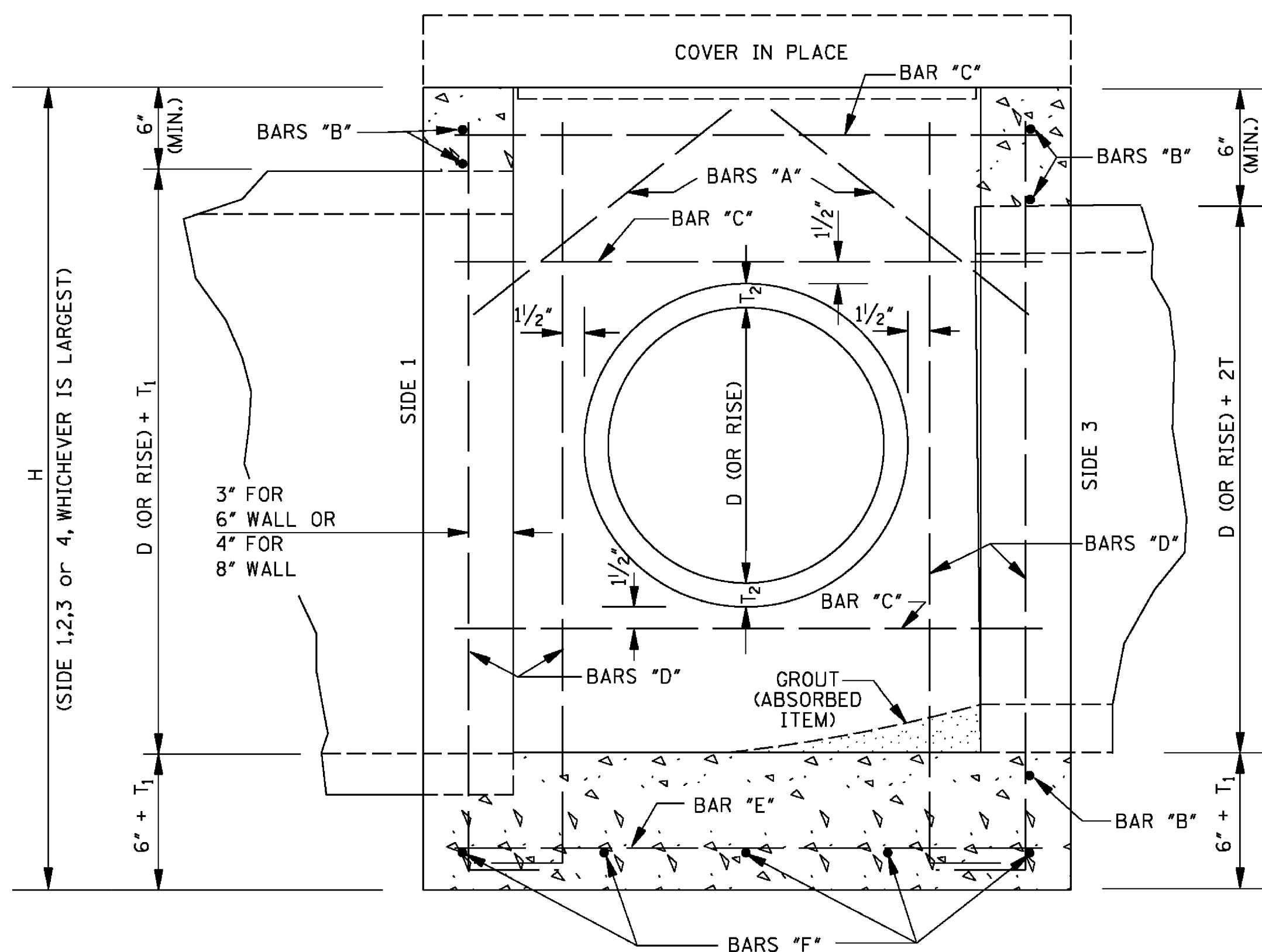
BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
REVISION	ROADWAY DESIGN DIVISION
DATE	STANDARD PLAN
	JUNCTION BOX FOR PIPE CULVERTS
	
	WORKING NUMBER JB-1
	SHEET NUMBER 6504
	ISSUE DATE: AUGUST 01, 2017



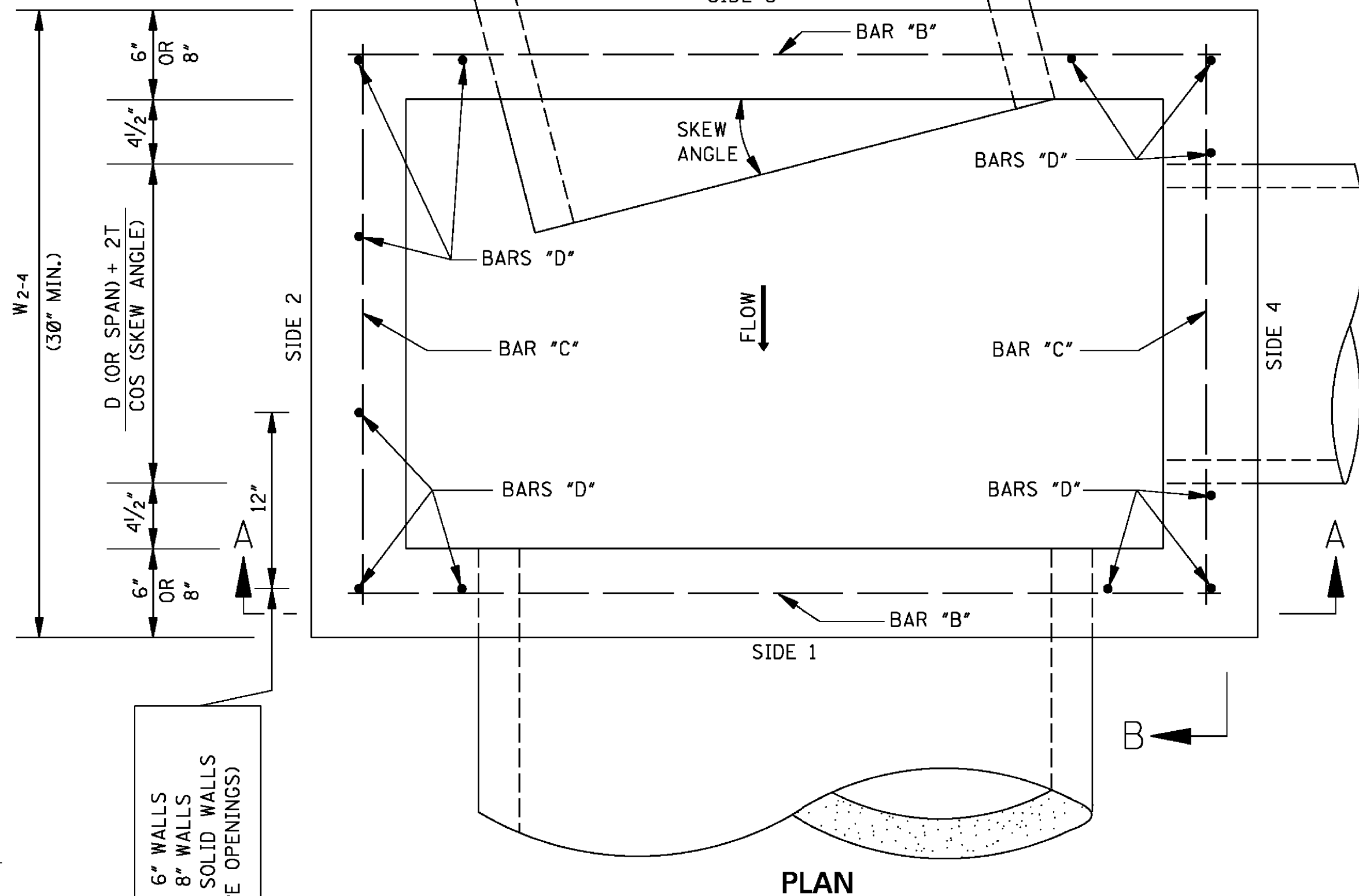
PLAN OF COVER



ELEVATION OF COVER

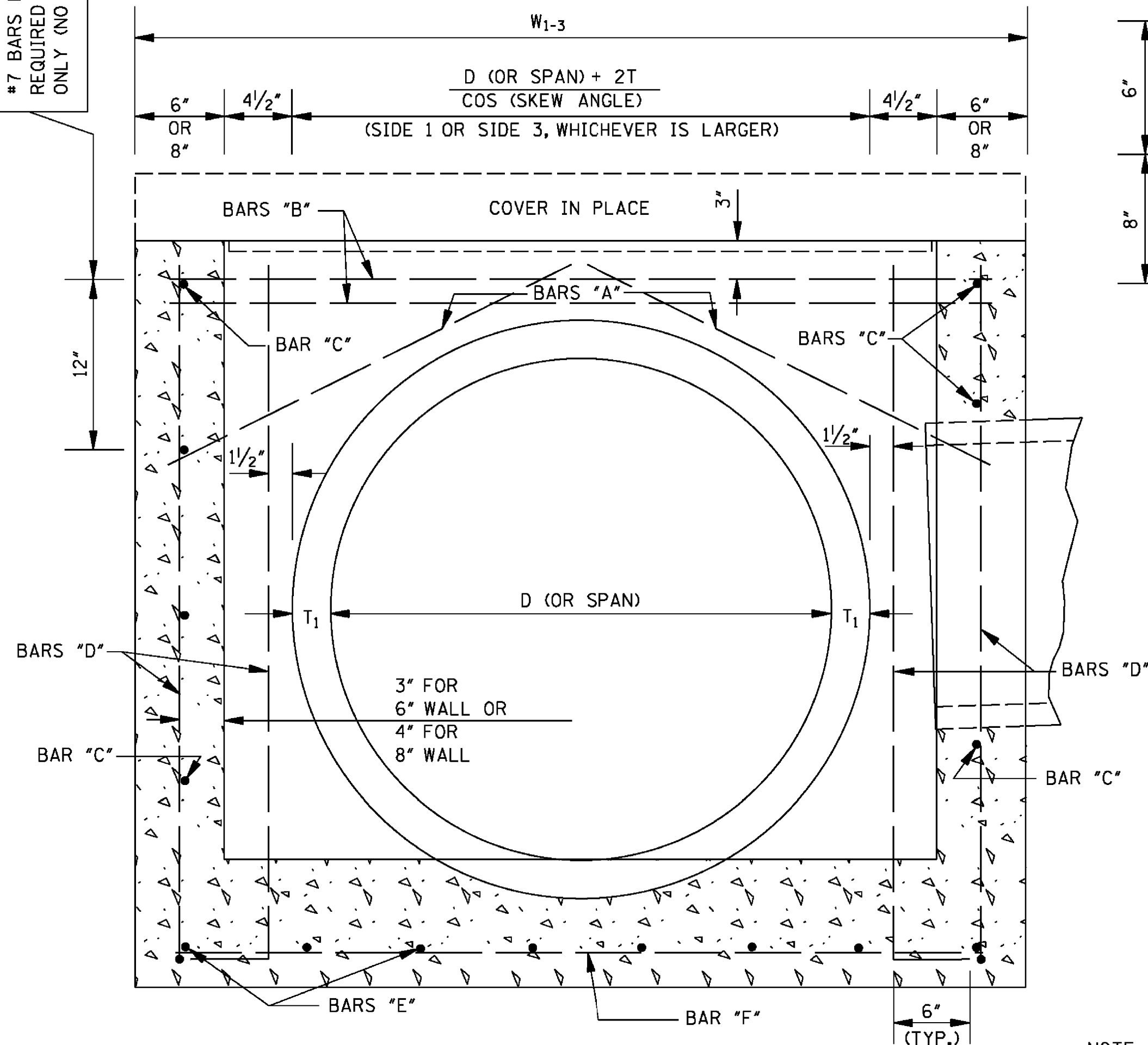


SECTION B-B



PLAN

#6 BARS FOR 6" WALLS
#7 BARS FOR 8" WALLS
REQUIRED ON SOLID WALLS
ONLY (NO PIPE OPENINGS)



SECTION A-A

REINFORCING BAR LIST			
BAR	SIZE	NUMBER REQUIRED	LENGTH
"A"	#4	2 PER PIPE OPENING	$\sqrt{196^2 + (W^* + 2^*)^2}$
"B"	#6 FOR 6" WALL #7 FOR 8" WALL	2 + [2 PER OPENING SIDE 3] + [1 PER SIDE 1] + [12" O.C. FOR SOLID WALL]	$W_{1-3} - 4"$
"C"		2 + [2 PER OPENING] + [12" O.C. FOR SOLID WALL]	$W_{2-4} - 4"$
"D"		4 + [2 PER OPENING] + [12" O.C. FOR SOLID WALL]	H
"E"	#6	$2 \left[\left(\frac{W_{1-3}}{6"} \right)^{**} + 1 \right]$	$W_{2-4} - 4"$
"F"	#6	$2 \left[\left(\frac{W_{2-4}}{6"} \right)^{**} + 1 \right]$	$W_{1-3} - 4"$

NOTE: VARIABLES AND DESIGNATIONS ARE AS FOLLOWS:
D (OR SPAN) = PIPE DIAMETER (OR SPAN)
W₁₋₃ = WIDTH OF SIDE 1 & SIDE 3
W₂₋₄ = WIDTH OF SIDE 2 & SIDE 4
W* = W₁₋₃ OR W₂₋₄ (SIDE OF ENTERING PIPE)
** = ROUND TO NEAREST WHOLE NUMBER

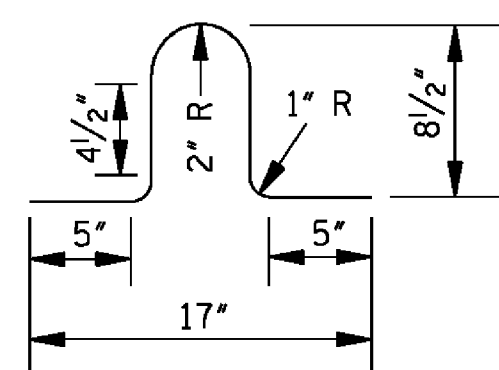
CL. "B" CONC. (yd³) = [(Q1 + Q2) / 46,656] - Σ PIPE OPENING DEDUCTIONS
WHERE: 6" WALL
Q1 = [8"W₁₋₃W₂₋₄] + [1"(W₁₋₃ - 12.5")(W₂₋₄ - 12.5")] + [(T₁ + 6")W₁₋₃W₂₋₄]
Q2 = 12"[H - (T₁ + 6")][(W₁₋₃ - 12") + W₂₋₄]
OR: 8" WALL
Q1 = [8"W₁₋₃W₂₋₄] + [1"(W₁₋₃ - 16.5")(W₂₋₄ - 16.5")] + [(T₁ + 6")W₁₋₃W₂₋₄]
Q2 = 16"[H - (T₁ + 6")][(W₁₋₃ - 16") + W₂₋₄]

COMMON PIPE SIZE					
CIRCULAR PIPE				ARCH PIPE	
PIPE SIZE	T	PIPE OPENING DEDUCTION (yd ³)		PIPE SIZE	T
		6" WALL	†8" WALL		
18"	2 1/2"	0.053	0.071	22" X 13"	2 1/2"
24"	3"	0.091	0.121	29" X 18"	3"
30"	3 1/2"	0.138	0.184	36" X 23"	3 1/2"
36"	4"	0.196	0.261	44" X 27"	4"
42"	4 1/2"	0.263	0.350	51" X 31"	4 1/2"
48"	5"	-	0.453	58" X 36"	5"
54"	5 1/2"	-	0.569	65" X 40"	5 1/2"
60"	6"	-	0.699	73" X 45"	6"
66"	6 1/2"	-	0.840		
72"	7"	-	0.996		

† NOTE: IF ANY PIPE REQUIRING A 8" WALL IS USED, ALL WALLS SHALL BE 8" REGARDLESS OF PIPE SIZE.

GENERAL NOTES:

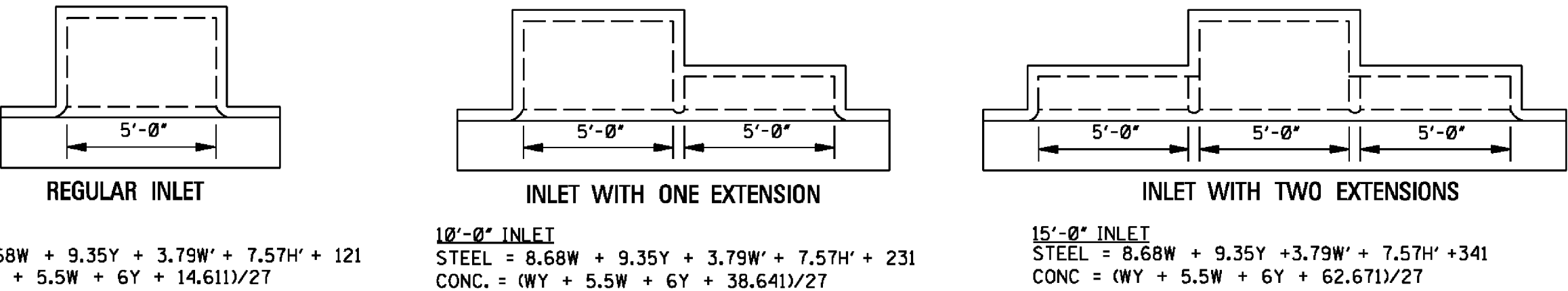
- REINFORCING STEEL QUANTITIES TO BE COMPUTED FROM BAR LIST AND SHOWN ELSEWHERE ON THE PLANS.
- QUANTITIES FOR JUNCTION BOXES SHOWN ON THE PLANS WILL BE THE BASIS FOR PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
- CONCRETE SHALL BE CLASS "B" AND REINFORCING STEEL SHALL BE DEFORMED BARS, ASTM A 615, GRADE 60 OR AASHTO M 31, GRADE 60.
- SIDE 1 OF THE JUNCTION BOX WILL ALWAYS BE THE OUTFLOW SIDE.
- IF PIPES ARE SKEWED MORE THAN 15° OR IF SKEWED PIPES PRODUCE CONFLICTS WITH ANOTHER OPENING, THE PIPE SHALL BE BROKEN BACK TO THE WALL OF THE JUNCTION BOX.



LIFT BAR

NOTE: LIFT BAR TO BE FABRICATED FROM A #4 BAR 30" LONG. TWO LIFT BARS ARE REQUIRED. REINFORCING STEEL FOR 2 LIFT BARS = 3.3 lbs.

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
REVISION	ROADWAY DESIGN DIVISION
DATE	STANDARD PLAN
	JUNCTION BOX TYPE 2
	FOR TRAFFIC LOAD
	(MAXIMUM "W" = 9'-3")
	ISSUE DATE: AUGUST 01, 2017
	WORKING NUMBER JB-2
	SHEET NUMBER 6506



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.

PLAN OF INLET AND EXTENSIONS

ADD. CONCRETE PER FOOT OF H		ADD. CONCRETE PER FOOT OF W	
W	y3' f t	H	y3' f f
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

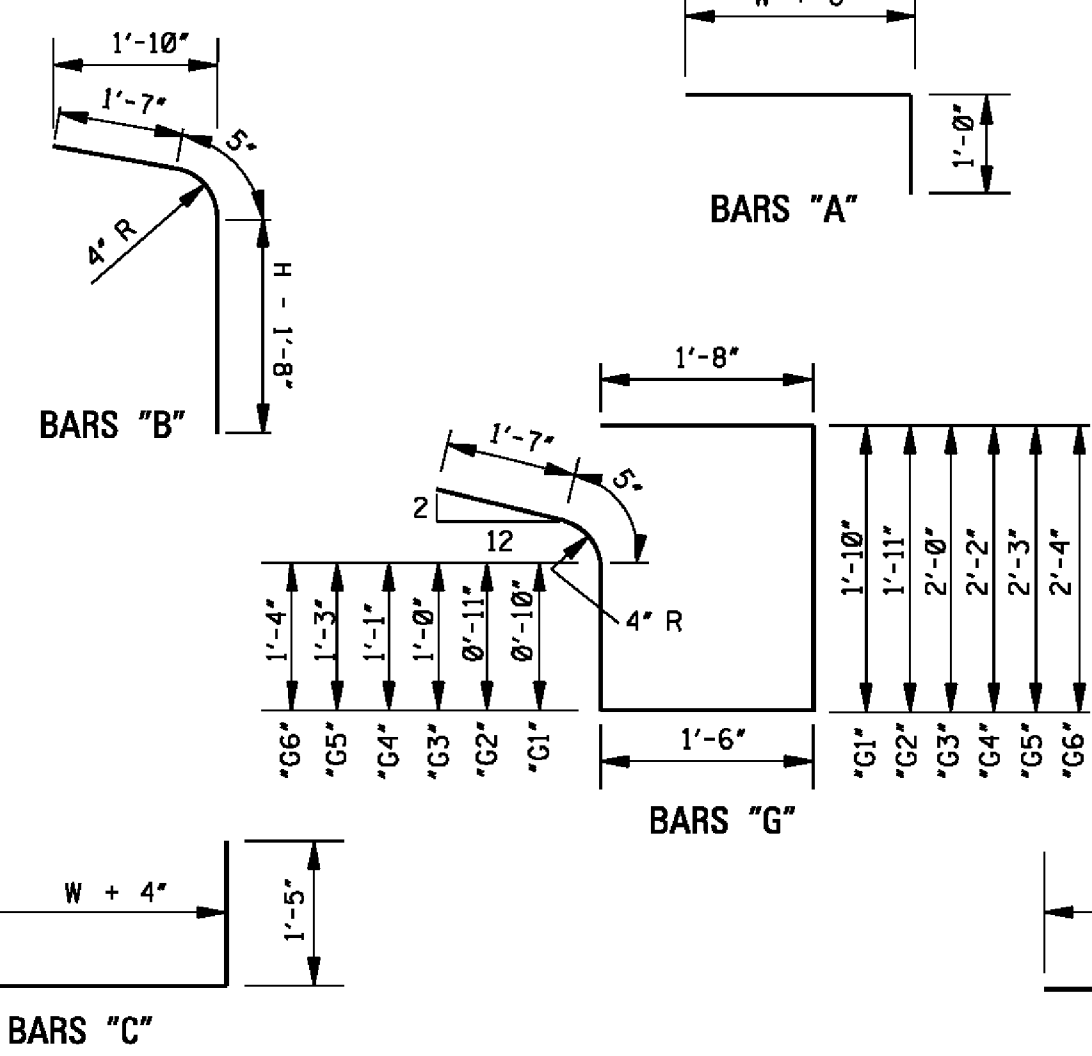
QUANTITIES FOR ONE EXTENSION

BAR	SIZE	LENGTH	SPACING	NUMBER	TWEIGHT
"E"	#4	5'-8"	AS SHOWN	3	11
"G"	#4	SEE SCHEDULE	Ø'-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					

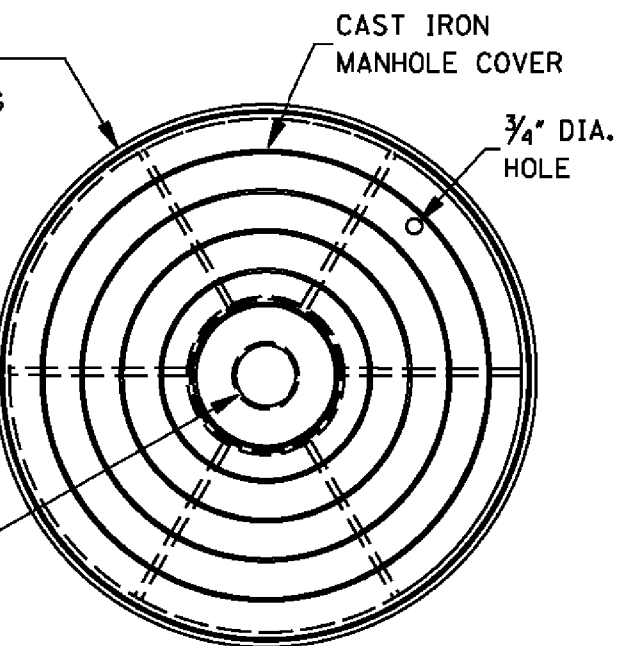
†NOTE: WHERE EXTENSION IS USED WITH CONCRETE PAVEMENT,
ADD 27 lbs OF STEEL FOR BARS "M".

BAR "G" SCHEDULE

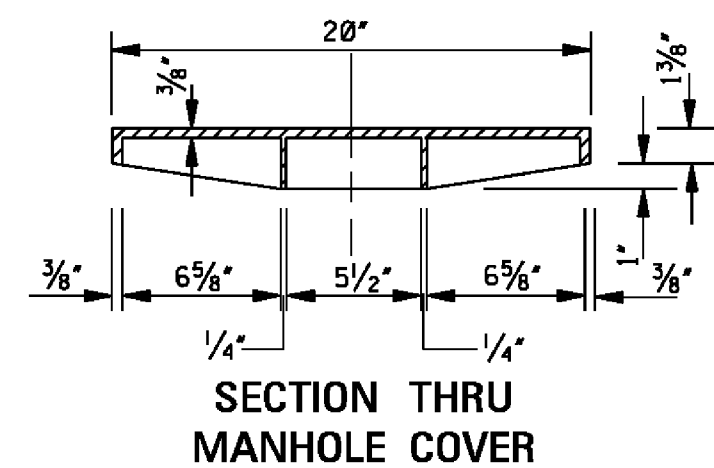
BAR "G"	LENGTH
"G1"	7'-10"
"G2"	8'-0"
"G3"	8'-2"
"G4"	8'-5"
"G5"	8'-8"
"G6"	8'-10"



BAR DETAILS

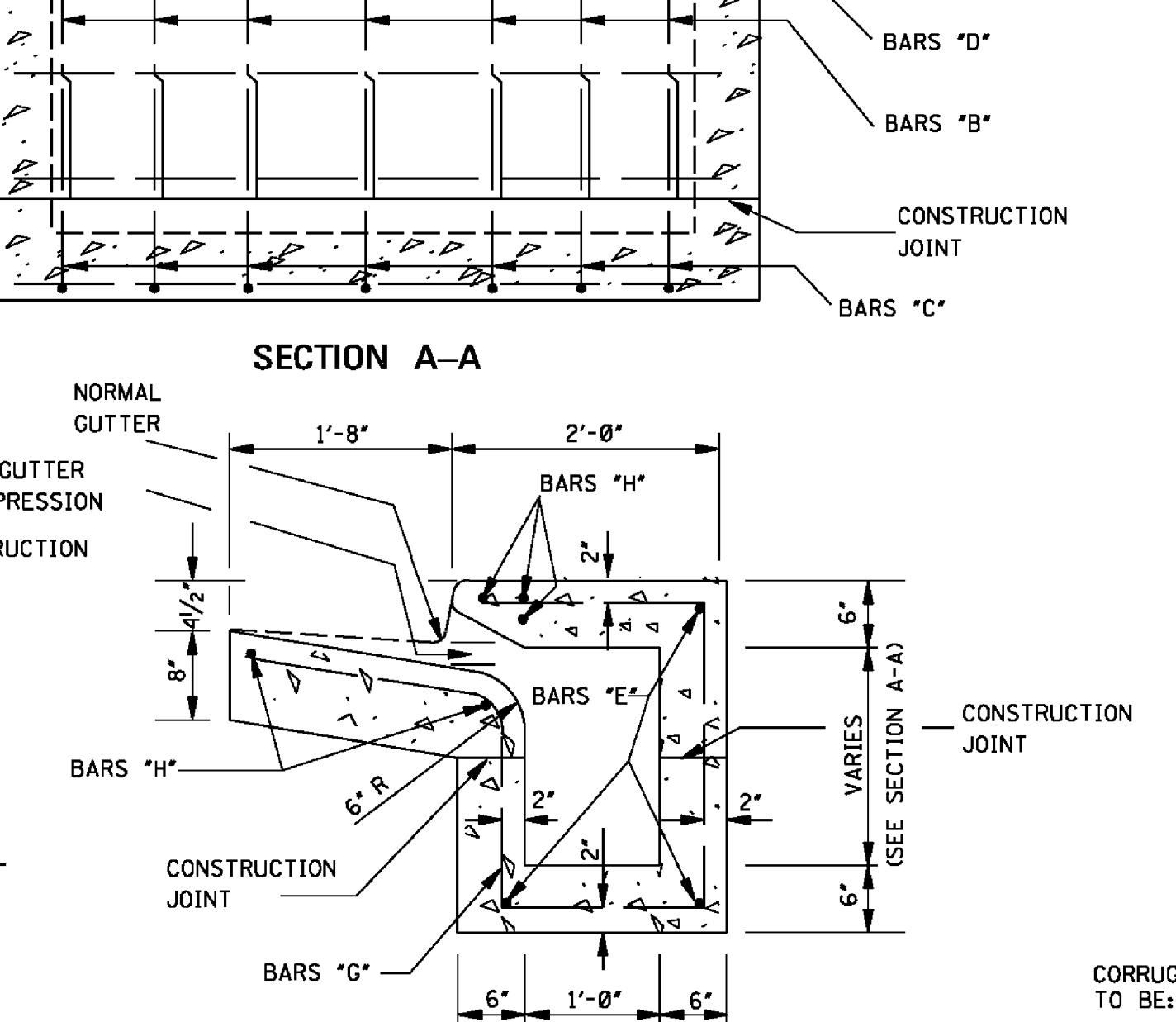


PLAN



**SECTION THRU
MANHOLE COVER RING**
NOTE: WEIGHT OF RING & COVER = 79 lbs

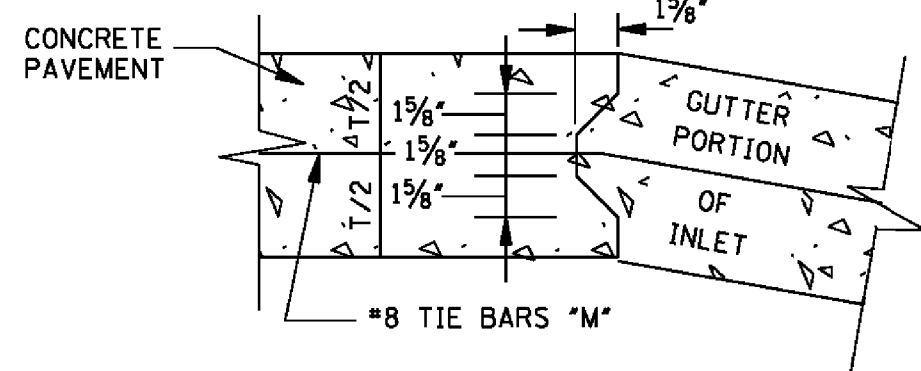
NOTE: WEIGHT OF RING & COVER = 79 lbs



SECTION B-B

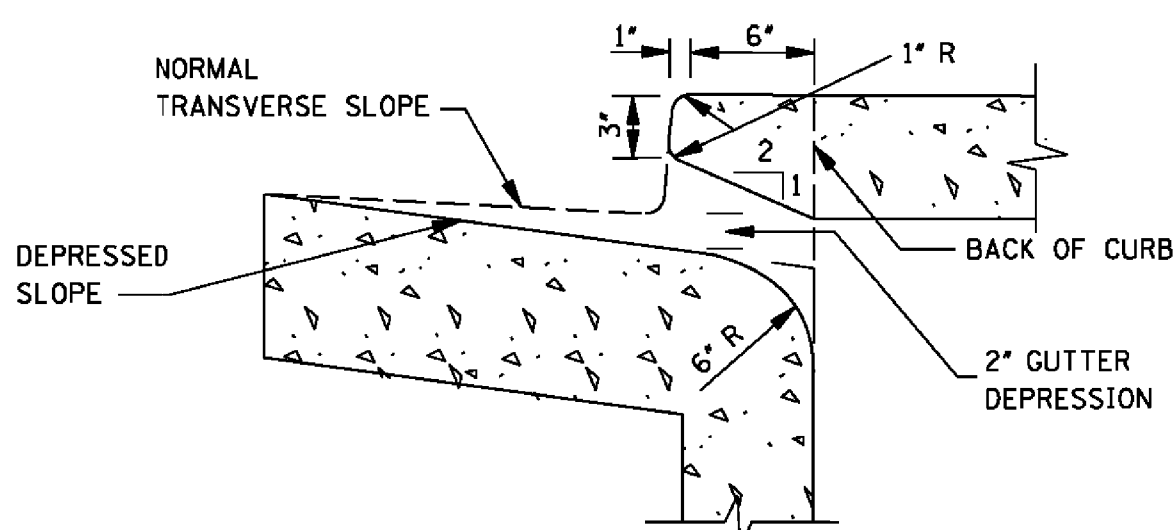
SECTION A-A

SECTION C-C

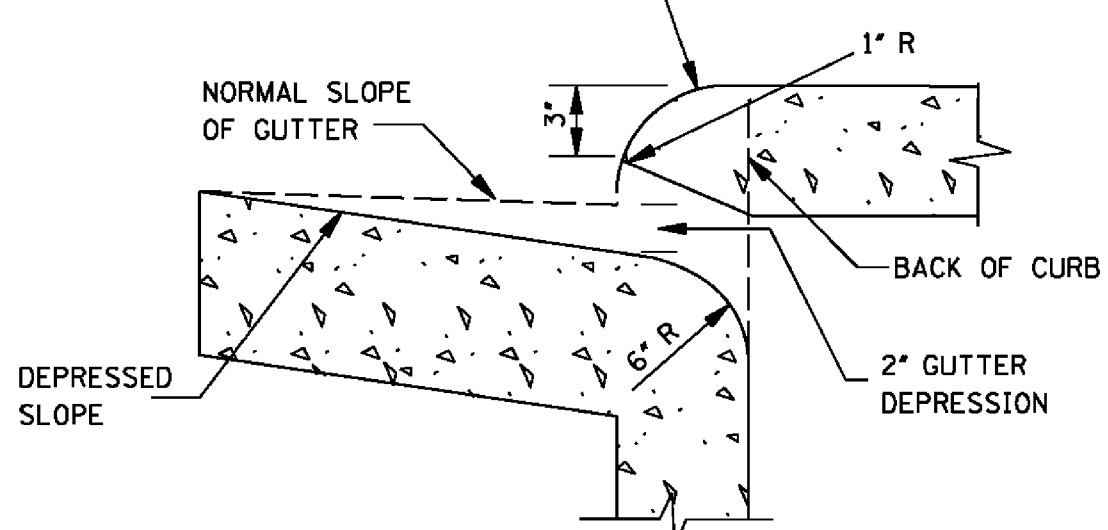


DETAIL OF KEYED CONSTRUCTION JOINTS

NOTE: FIELD BEND BARS "L"
TO CENTER OF GUTTER SECTION



THROAT DETAIL OF BARRIER CURB



THROAT DETAIL OF ROLLED CURB

GENERAL NOTES:

1. WHERE INLET OR INLET WITH EXTENSION(S) IS USED WITH CONCRETE PAVEMENT WITH INTEGRAL CURB, THE PAVEMENT SHALL 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 EXTENSIONS.

2. 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.

3. FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLE ARE INCREMENTS OF 6". BUT ANY DEPTHS OTHER THAN THESE SHOWN MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS, FALLING WITHIN THE LIMITS OF THE TABLE, MAY BE FOUND BY INTERPOLATION.

4. FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMMODATE STORM SEWER. NO DEDUCTIONS ARE TO BE MADE IN STEEL QUANTITIES.

5. WHERE INLET IS BEING USED ADJACENT TO SIDEWALK, REFER TO OTHER SHEETS FOR TOP DETAIL.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

STORM SEWER INLET TYPE SS-2

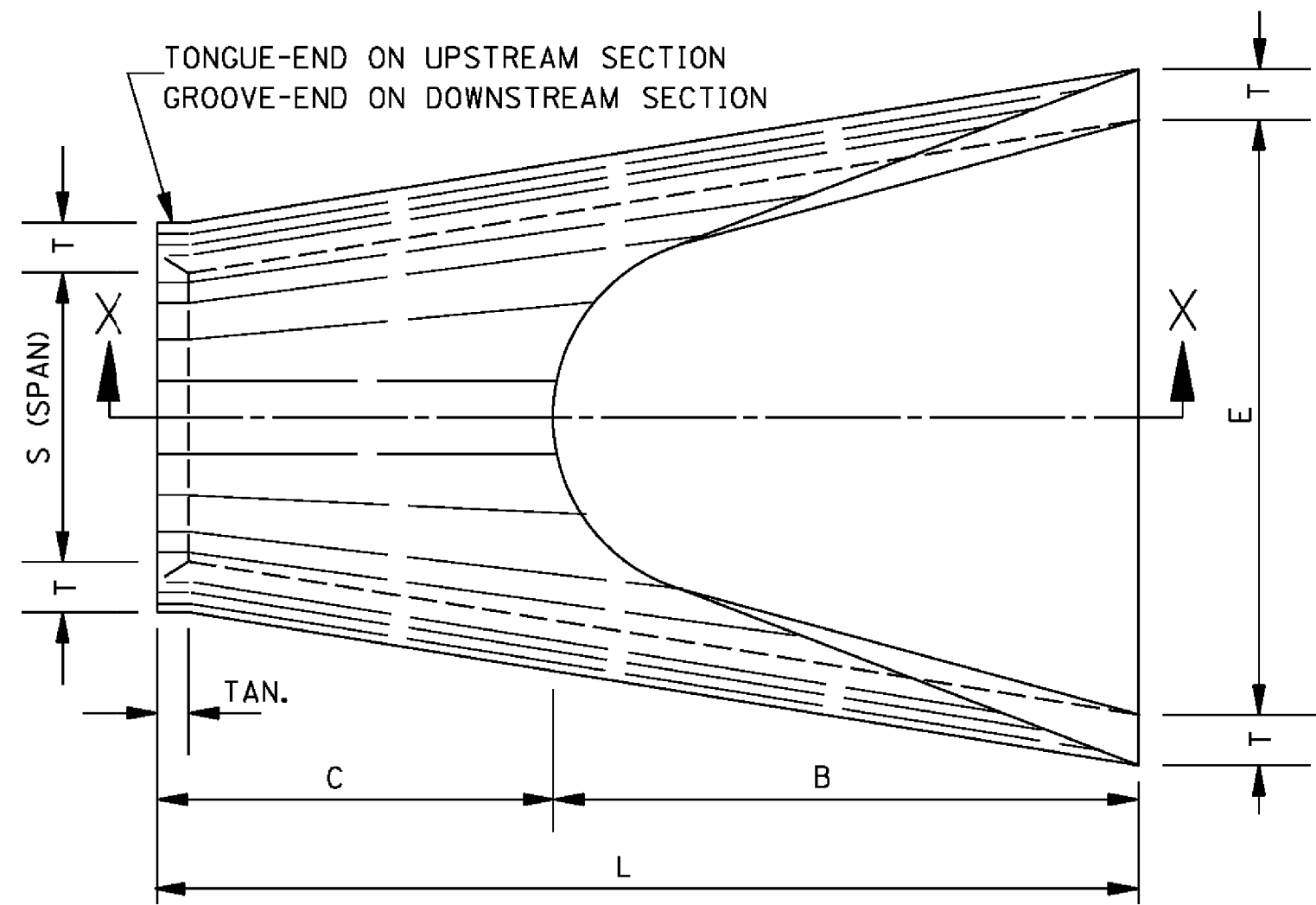
ISSUE DATE: AUGUST 01, 2017

BELL AND SPIGOT END OPTION TYPE I

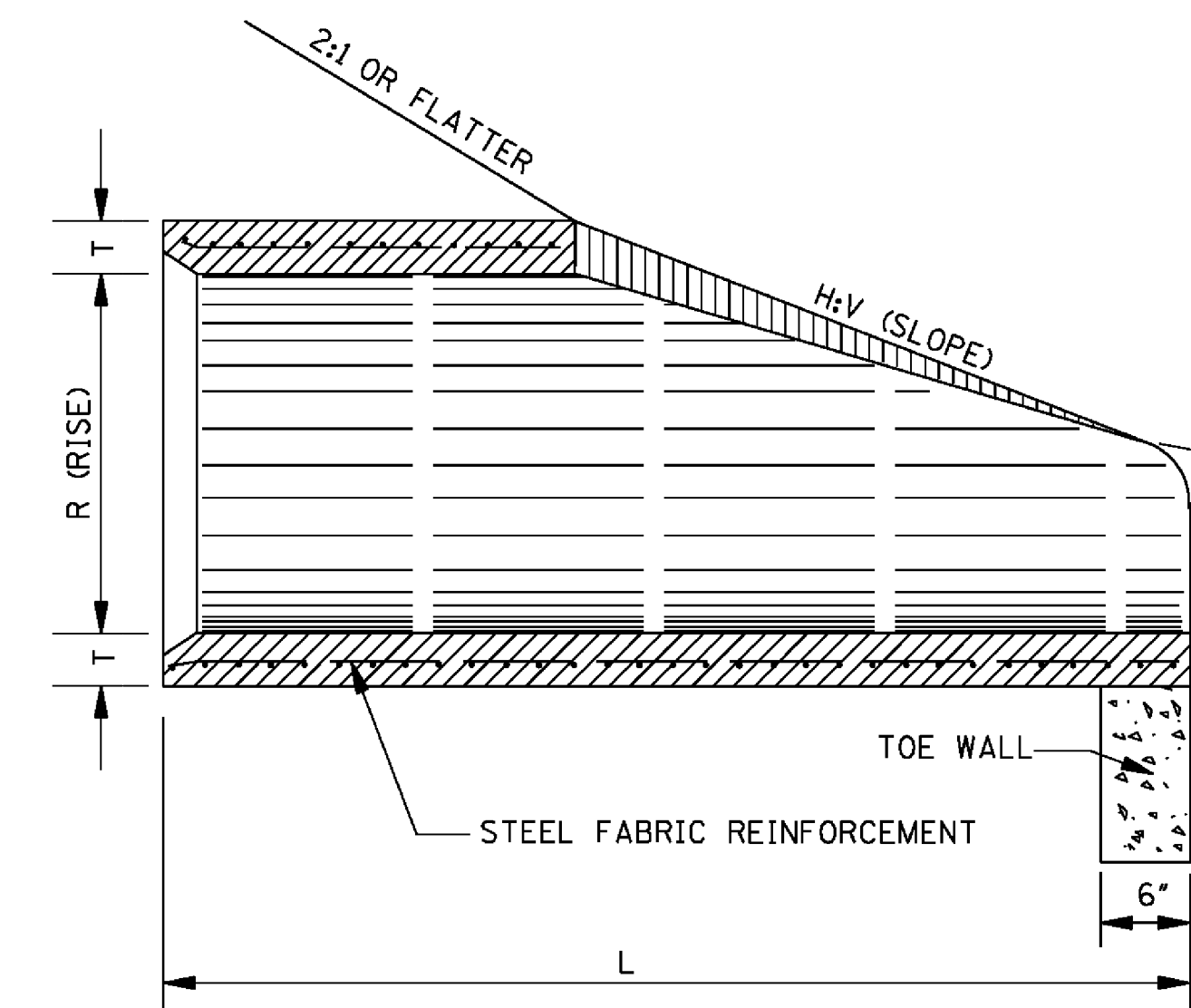
NOTE: BELL-END ON DOWNSTREAM SECTION
SPIGOT-END ON UPSTREAM SECTION.

FLARED END SECTION FOR CONCRETE ARCH PIPE										
EQUIV. SIZE	R	S	T	H:V	A	B	C	E	L	
18"	13 1/2"	22"	2 1/2"	3:1	7"	2'-3"	3'-9"	3'-0"	6'-0"	
24"	18"	28 1/2"	3"	3:1	8"	3'-3"	2'-9"	4'-0"	6'-0"	
30"	22 1/2"	36 1/4"	3 1/2"	3:1	10"	4'-0"	2'-0"	5'-0"	6'-0"	
36"	26 5/8"	43 3/4"	4"	3:1	10 5/8"	5'-0"	3'-0"	6'-0"	8'-0"	
42"	31 1/6"	51 1/8"	4 1/2"	3:1	1'-3 1/6"	5'-0"	3'-0"	6'-6"	8'-0"	
48"	36"	58 1/2"	5"	3:1	1'-9"	5'-0"	3'-0"	7'-0"	8'-0"	
54"	40"	65"	5 1/2"	3:1	2'-1 1/2"	5'-0"	3'-0"	7'-6"	8'-0"	
60"	45"	73"	6"	3:1	2'-2"	6'-3"	1'-9"	8'-0"	8'-0"	
72"	54"	88"	7"	3:1	2'-11"	6'-6"	1'-10"	10'-0"	8'-4"	

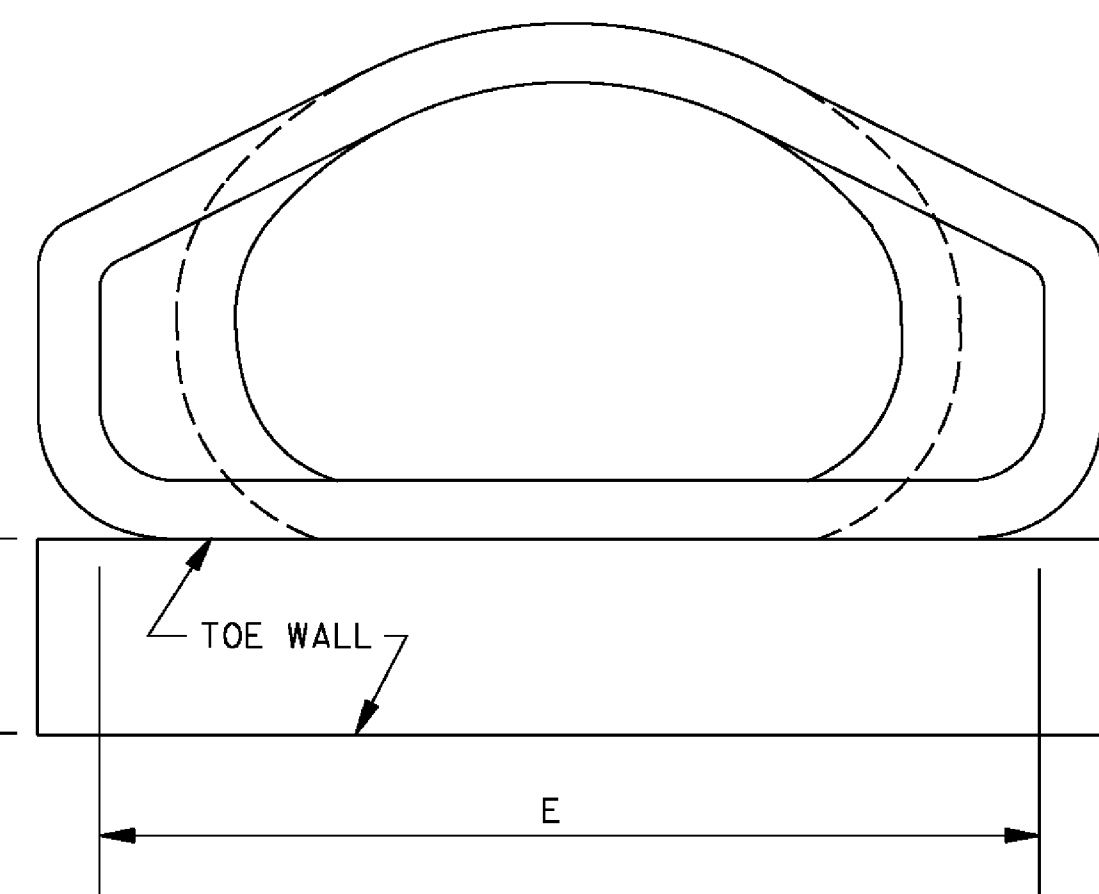
TOE WALL CONC. QUANTITY (yd ³)
0.063
0.083
0.102
0.123
0.134
0.145
0.156
0.167
0.207



PLAN OF DOWNSTREAM END



SECTION X-X



FRONT ELEVATION

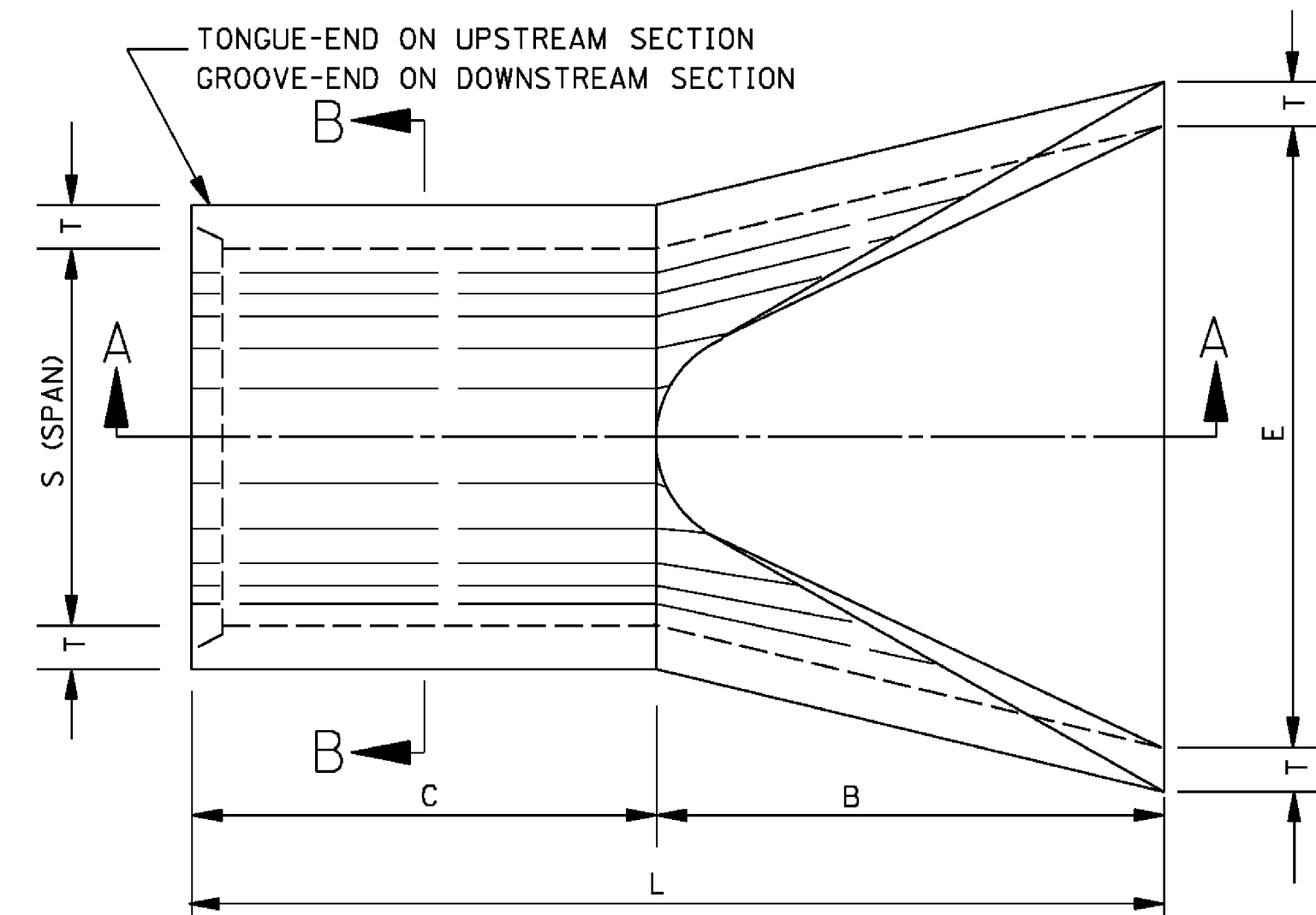
BELL AND SPIGOT END OPTION TYPE II

NOTE: BELL-END ON DOWNSTREAM SECTION
SPIGOT-END ON UPSTREAM SECTION.

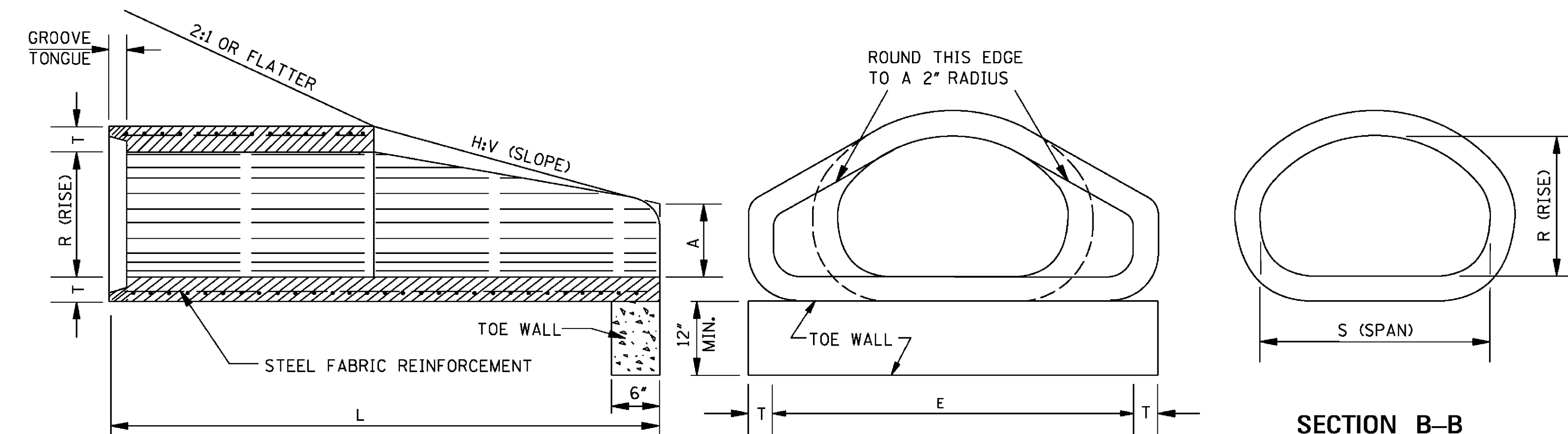
FLARED END SECTION FOR CONC. ARCH PIPE-SHORT FLARE											
EQUIV. SIZE	R	S	T	H:V	A	B	C	E	L	GROOVE TONGUE	
* 18"	13 1/2"	22"	2 1/2"	3:1	7"	2'-3"	3'-9"	3'-0"	6'-0"	2 1/4"	
24"	18"	28 1/2"	3 1/2"	3.12:1	9"	3'-3"	2'-9 1/2"	4'-0"	6'-0 1/2"	3"	
30"	22 1/2"	36 1/4"	4"	2.94:1	9 1/2"	4'-2"	3'-10 1/2"	5'-0"	8'-0 1/2"	3 1/2"	
36"	26 5/8"	43 3/4"	4 1/2"	3.08:1	11 5/8"	5'-0"	3'-0 1/2"	6'-0"	8'-0 1/2"	4"	
42"	31 1/6"	51 1/8"	4 1/2"	3.08:1	1'-4 7/6"	5'-0"	3'-0 1/2"	6'-6"	8'-0 1/2"	4"	
48"	36"	58 1/2"	5"	3.16:1	1'-10"	5'-0"	3'-0 1/2"	7'-0"	8'-0 1/2"	5"	
54"	40"	65"	5 1/2"	3.24:1	2'-3"	5'-0"	3'-0 5/8"	7'-6"	8'-0 5/8"	5"	
60"	45"	73"	6"	3.33:1	2'-9"	5'-0"	3'-0 5/8"	8'-0"	8'-0 5/8"	5"	

TOE WALL CONC. QUANTITY (yd ³)
0.063
0.083
0.102
0.123
0.134
0.145
0.156
0.167

NOTES: *1. EQUIVALENT 18" FLARED END SECTION SIMILAR TO TYPE I.
2. DIMENSIONS A, B, C, E AND L MAY VARY 1"±.



PLAN OF DOWNSTREAM END



SECTION A-A

FRONT ELEVATION

SECTION B-B

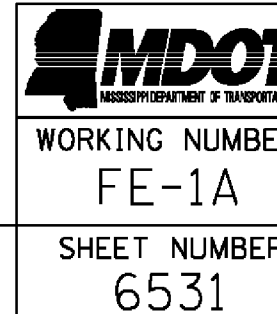
GENERAL NOTES:

- FLARED END SECTIONS SHOULD BE REGARDED AS OBSTACLES UNDER THE BELOW CONDITIONS AND AS SUCH SHOULD BE LOCATED OUTSIDE OF THE CLEAR ZONE.
 - CROSS DRAINS WITH SINGLE ROUND PIPES OF DIAMETER GREATER THAN 36" OR EQUIVALENT FOR ARCH PIPES.
 - CROSS DRAINS WITH MULTIPLE ROUND PIPES OF DIAMETER GREATER THAN 30" OR EQUIVALENT FOR ARCH PIPES.
 - PARALLEL SIDE DRAINS WITH SINGLE ROUND PIPES OF DIAMETER GREATER THAN 24" OR EQUIVALENT FOR ARCH PIPES.
- UNLESS OTHERWISE DESIGNATED, EITHER TYPE I OR TYPE II MAY BE USED, PROVIDED THE SELECTED TYPE IS COMPATIBLE WITH THE CONFIGURATION OF THE PIPE TO WHICH IT SHALL BE ATTACHED.

- ALL SIZES OF TYPE I AND TYPE II FLARED END SECTIONS FOR CONCRETE ARCH PIPE MAY BE FURNISHED WITH EITHER BELL AND SPIGOT OR TONGUE AND GROOVE ENDS.
- REINFORCEMENT (SINGLE LINE) FOR FLARED END SECTION SHALL CONFORM TO REQUIREMENTS OF AASHTO M 206 FOR CLASS II ARCH PIPE.
- TOE WALL REQUIRED ON ALL FLARED END SECTIONS. TO BE PAID FOR AS CLASS "B" STRUCTURAL CONCRETE - MINOR STRUCTURES.
- FLARED END SECTIONS MUST MEET THE REQUIREMENTS FOR ARCH PIPE OF EITHER AASHTO M 206 OR ASTM C 506.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

FLARED END SECTION
FOR CONCRETE ARCH PIPE



ISSUE DATE: AUGUST 01, 2017

*BASED ON 5" WALL THICKNESS; FOR 3 1/2" WALL, MULTIPLY BY 0.694

GRATE DETAILS

NOTE: CONCRETE CUBIC YARDS PER INLET/JUNCTION BOX = $\text{BOTTOM} + (\text{TOTAL RISE} \times \text{HEIGHT (FT)} \times \text{C.Y./FT}) + (\text{COVER} - \text{GRATE OPENING}) - \text{ANY HOLE OPENINGS}$

NOTE: CONCRETE CUBIC YARDS PER INLET/JUNCTION BOX = BOTTOM + (TOTAL RISE
HEIGHT (FT) X C.Y./FT) + (COVER - GRATE OPENING) - ANY HOLE OPENINGS

NOTE: REINFORCEMENT STEEL (LBS PER INLET/JUNCTION BOX) = BOTTOM + TOTAL FOR EACH RISER (TOP PLUS ANY INTERIOR RISERS) (BASE HEIGHT + TOTAL HEIGHT OF RISERS) + COVER; HOLE AND GRATE OPENINGS NOT DEDUCTED

MINIMUM PRECAST UNIT DEPTH
HOLE OPENING (H_O) + 17"

CONCRETE DEDUCT FOR
GRATE OPENING: 0.88 C.Y.

2 X 2 & 2 X 3 DROP INLET WALL DETAIL WHEN FRAME AND GRATE IS USED WITHOUT COVER	7. WHEN INTERIOR RISER UN 8. CONCRETE & REINFORCING PAID FOR AS THE CALC CAST-IN-PLACE INLETS
--	--

GENERAL NOTES:

- DRAWING No.: 11258



Engineering Progress

SPECIFICATIONS AND CONTRACT DOCUMENTS

FOR

**INFRASTRUCTURE REHABILITATION
ARLEDGE STREET & KATIE AVENUE AREA**

FOR THE

**CITY OF HATTIESBURG
LAMAR COUNTY
MISSISSIPPI**

MAY 2018



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 June 28, 2018** in City Council Chambers at City Hall, 200 Forrest Street, Hattiesburg, MS 39401, and then at said location will open and read aloud bids received for furnishing the City's requirements for the following:

INFRASTRUCTURE REHABILITATION ARLEDGE STREET & KATIE AVENUE AREA HATTIESBURG, MISSISSIPPI

Official bid documents can be downloaded from Central Bidding at www.centralbidding.com. Electronic bids can be submitted at www.centralbidding.com. For any questions relating to the electronic bidding process, please call Central Bidding at 225-810-4814. 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 sealed and marked EXACTLY as follows:

BID: INFRASTRUCTURE REHABILITATION ARLEDGE STREET & KATIE AVENUE AREA 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 ____ day of _____ A.D., 2018.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____
Kermas Eaton, City Clerk

Publish on May 31, 2018 and June 7, 2018
City of Hattiesburg
Return PROOF to City Clerk's Office
PO Box 1898
Hattiesburg, MS 39403

INFORMATION FOR BIDDERS

BIDS will be received by the CITY OF HATTIESBURG, MISSISSIPPI herein called the "OWNER", at City Hall until 10:00 A.M. on June 28, 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 **Infrastructure Rehabilitation, Arledge Street & Katie Avenue Area, 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. When the Agreement is executed the BONDS of the two remaining unsuccessful BIDDERS will be returned. 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. 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 dated 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 ten (10) 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 ten (10) 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 ten (10) 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 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 set forth in the SUPPLEMENTAL GENERAL CONDITIONS.

The low 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, MS 39401.

PROPOSAL FORM

I (we) agree to begin work within (10) calendar days after the issuance of Work Order, and to complete the work within ____ 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. It is further understood and agreed that the Owner may increase or decrease the quantities listed in the Proposal to an extent equivalent to 30% of the bid price (in dollars) 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,

Name of Firm or Bidder

By:

Address

City, State, Zip-Code

Note: All materials and components shall be a product of the U.S.A.

PROPOSAL
INFRASTRUCTURE REHABILITATION
ARLEDGE STREET & KATIE AVENUE AREA
HATTIESBURG, MISSISSIPPI

Arledge Street (Roadway)					
ITEM No.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	Clearing and Grubbing	1	Lump Sum		
2	Removal of Asphalt Pavement, All Depths	685	Sq. Yd.		
3	Removal of Curb &/OR Curb and Gutter, All Types	707	Lin. Ft.		
4	Removal of Utilities	1	Lump Sum		
5	Excess Excavation, LVM, AH	65	Cu. Yd.		
6	Sand Bags	150	Each		
7	Wattles, 20"	150	Lin. Ft.		
8	Granular Material (LVM) (Class 9, Group B)	98	Cu. Yd.		
9	9.5 mm, MT, Asphalt Pavement	197	Ton		
10	19 mm, MT, Asphalt Pavement	81	Ton		
11	Cold Milling of Bituminous Pavement, All Depths	1,479	Sq. Yd.		
12	Concrete Driveway, Without Reinforcement, 6" Thick, Broom Finish	178	Sq. Yd.		
13	Combination Concrete Curb and Gutter, Per	520	Lin. Ft.		

	Plans				
14	Concrete Sidewalk, Without Reinforcement	386	Sq. Yd.		
15	Class "B" Structural Concrete - Minor Structures	26	Cu. Yd.		
16	Reinforcing Steel	2,370	Lbs.		
17	18" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets	312	Lin. Ft.		
18	24" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets	226	Lin. Ft.		
19	8" Corrugated Polyethylene Pipe	12	Lin. Ft.		
20	10" Corrugated Polyethylene Pipe	12	Lin. Ft.		
21	12" Corrugated Polyethylene Pipe	12	Lin. Ft.		
22	Castings	553	Lbs		
23	6" Thermoplastic Traffic Stripe, Continuous Yellow	1,490	Lin. Ft.		
24	Thermoplastic Detail Stripe, White	312	Lin. Ft.		
25	Thermoplastic Legend, White	142	Lin. Ft.		
26	Detectable Warning, Per Plans	165	Sq. Ft.		
27	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	10	Sq. Ft.		
28	Steel U-Section Posts, 2.0 Lbs/Ft	52	Lin. Ft.		
29	Maintenance of Traffic	1	Lump Sum		
30	Mobilization	1	Lump Sum		
		Subtotal Arledge (Roadway)			

Katie Avenue (Roadway)					
ITEM No.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	Clearing and Grubbing	1	Lump Sum		
2	Removal of Asphalt Pavement, All Depths	1,782	Sq. Yd.		
3	Removal of Concrete Pavement, All Depths	22	Sq. Yd.		
4	Removal of Concrete Walks, All Depths	217	Sq. Yd.		
5	Removal of Curb &/OR Curb and Gutter, All Types	440	Lin. Ft.		
6	Removal of Utilities	1	Lump Sum		
7	Removal of Inlet and Junction Box, All Types & Sizes	1	Each		
8	Remove and Reset Signs, All Sizes	2	Each		
9	Excess Excavation, LVM, AH	346	Cu. Yd.		
10	Sand Bags	150	Each		
11	Wattles, 20"	250	Lin. Ft.		
12	Granular Material (LVM) (Class 9, Group B)	519	Cu. Yd.		
13	9.5 mm, MT, Asphalt Pavement	97	Ton		
14	19 mm, MT, Asphalt Pavement	312	Ton		
15	Cold Milling of Bituminous Pavement, All Depths	20	Sq. Yd.		
16	Concrete Driveway, Without Reinforcement, 6" Thick, Broom Finish	91	Sq. Yd.		

17	Concrete Driveway, Without Reinforcement, 6" Thick, Stamped and Colored	19	Sq. Yd.		
18	Combination Concrete Curb and Gutter, Per Plans	723	Lin. Ft.		
19	Concrete Sidewalk, Without Reinforcement, Broom Finish	477	Sq. Yd.		
20	Concrete Sidewalk, Without Reinforcement, Stamped and Colored	16	Sq. Yd.		
21	Class "B" Structural Concrete - Minor Structures	42	Cu. Yd.		
22	Reinforcing Steel	3,568	Lbs.		
23	15" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets	12	Lin. Ft.		
24	18" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets	230	Lin. Ft.		
25	24" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets	31	Lin. Ft.		
26	30" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets	204	Lin. Ft.		
27	44" x 27" Reinforced Concrete Arch Pipe, Class AIII, Flexible Plastic Gaskets	103	Lin. Ft.		
28	51" x 31" Reinforced Concrete Arch Pipe, Class AIII, Flexible Plastic Gaskets	255	Lin. Ft.		
29	51" x 31" Reinforced Concrete Arch Pipe End Section	1	Each		
30	Castings	790	Lbs		
31	6" Thermoplastic Traffic Stripe, Continuous Yellow	780	Lin. Ft.		

32	Thermoplastic Detail Stripe, White	336	Lin. Ft.		
33	Thermoplastic Legend, White	103	Lin. Ft.		
34	Thermoplastic Legend, White	10	Sq. Ft.		
35	Detectable Warning, Per Plans	141	Sq. Ft.		
36	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	20	Sq. Ft.		
37	Steel U-Section Posts, 2.0 Lbs/Ft	78	Lin. Ft.		
38	Maintenance of Traffic	1	Lump Sum		
39	Mobilization	1	Lump Sum		
		Subtotal Katie (Roadway)			

Traffic Signal Relocation					
ITEM No.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	Relocation of Existing Traffic Signal Controller, Per Plans	1	Lump Sum	\$50,000.00	\$50,000.00
2	Removal of Existing Traffic Signal Controller Base	1	Each	\$2,500.00	\$2,500.00
3	Maintenance of Traffic	1	Lump Sum	\$3,000.00	\$3,000.00
4	Mobilization	1	Lump Sum	\$6,000.00	\$6,000.00
		Subtotal Traffic			

Arledge Street (Water)					
ITEM No.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	12" Class 350 Ductile Iron Water Line (Open Cut)	670	Lin. Ft.		
2	8" Class 350 Ductile Iron Water Line (Open Cut)	20	Lin. Ft.		
3	6" Class 350 Ductile Iron Water Line (Open Cut)	20	Lin. Ft.		
4	4" Class 350 Ductile Iron Water Line (Open Cut)	10	Lin. Ft.		
5	3" Sch. 80 PVC (Open Cut)	90	Lin. Ft.		
6	2" Sch. 80 PVC (Open Cut)	12	Lin. Ft.		
7	1 1/2" Sch. 80 PVC (Open Cut)	60	Lin. Ft.		
8	20" Steel Casing (Bored)	60	Lin. Ft.		
9	16" DR-11 HDPE (Open Cut)	60	Lin. Ft.		
10	Tracer Wire System	942	Lin. Ft.		
11	8" Gate Valve	1	Each		
12	6" Gate Valve	1	Each		
13	Connection: Proposed 12" to Existing 20" (Hot Tap W/ 12" Valve)	1	Each		
14	Connection: Proposed 12" to Proposed 12" (Tee)	1	Each		
15	Connection: Proposed 12" to Proposed 8" (Tee and Reducer)	1	Each		
16	Connection: Proposed 8" to Proposed 6" (Tee and Reducers)	1	Each		

17	Connection: Proposed 6" to Proposed 4" (Tee)	1	Each		
18	3-Way Fire Hydrant with Appurtenances (Inl. Tee, Valve, Hydrant, Brass Tag, Pipe & Other Fittings)	2	Each		
19	6" Fire Suppression Connection	3	Each		
20	3" Service Tap w/ Valve for Domestic Water (Includes Tap, Valve, Curb Stop, Fittings, Valve Box, Meter, Meter Box Etc.)	4	Each		
21	2" Service Tap w/ Valve for Domestic Water (Includes Tap, Valve, Curb Stop, Fittings, Valve Box, Meter, Meter Box Etc.)	1	Each		
22	1 1/2" Service Tap w/ Valve for Domestic Water (Includes Tap, Valve, Curb Stop, Fittings, Valve Box, Meter, Meter Box Etc.)	2	Each		
			Subtotal Arledge (Water)		

Katie Avenue (Water)					
ITEM No.	DESCRIPTION	QUANTIT Y	UNIT	UNIT PRICE	EXTENSION
1	8" Ductile Iron Water Line (Open Cut)	460	Lin. Ft.		
2	3" Sch. 80 PVC (Open Cut)	41	Lin. Ft.		
3	1 1/2" Sch. 80 PVC (Open Cut)	40	LF		
4	Tracer Wire System	541	Lin. Ft.		
5	Connection: Proposed 8" to Existing 6" (Hot Tap W/8" Valve)	1	Each		

6	3-Way Fire Hydrant with Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe & Other Fittings)	1	Each		
7	6" Fire Suppression Connection	1	Each		
8	3" Service Tap w/ Valve for Domestic Water (Includes Tap, Valve, Curb Stop, Fittings, Valve Box, Meter, Meter Box Etc.)	1	Each		
9	1 1/2" Service Tap w/ Valve for Domestic Water (Includes Tap, Valve, Curb Stop, Fittings, Valve Box, Meter, Meter Box Etc.)	1	Each		
			Subtotal Katie (Water)		

Arledge Street (Sewer)

ITEM No.	DESCRIPTION	QUANTIT Y	UNIT	UNIT PRICE	EXTENSION
1	8" PVC Sewer, SDR 26 (6'-8')	403	Lin. Ft.		
2	8" PVC Sewer, SDR 26 (8'-10')	60	Lin. Ft.		
3	6" PVC Sewer, SDR 26 (All Depths)	144	Lin. Ft.		
4	Tracer Wire System	607	Lin. Ft.		
5	48" Diameter Precast Concrete Manhole (6'-8')	2	Each		
6	60" Diameter Precast Concrete Manhole (8'-10')	1	Each		
7	8"x8"x6" Service Tee	6	Each		
8	6" PVC Cleanout	6	Each		
9	Demolition and Removal of Existing Manhole	1	Each		

10	Abandonment of Existing Manhole	2	Each		
11	Select Fill Material (Class 9, Group C), LVM	766	C.Y.		
			Subtotal Arledge (Sewer)		

Katie Avenue & Edwards Street (Sewer)					
ITEM No.	DESCRIPTION	QUANTIT Y	UNIT	UNIT PRICE	EXTENSION
1	8" PVC Sewer, SDR 26 (8'-10')	149	Lin. Ft.		
2	8" PVC Sewer, SDR 26 (10'-12')	306	Lin. Ft.		
3	6" PVC Sewer, SDR 26 (All Depths)	81	Lin. Ft.		
4	Tracer Wire System	536	Lin. Ft.		
5	48" Diameter Precast Concrete Manhole (10'-12')	1	Each		
6	8"x8"x6" Service Tee	3	Each		
7	6" PVC Cleanout	3	Each		
8	Select Fill Material (Class 9, Group C), LVM	2236	C.Y.		
			Subtotal Katie (Sewer)		

TOTAL, BASE 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 _____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:

INFRASTRUCTURE REHABILITATION ARLEDGE STREET & KATIE AVENUE AREA 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.

_____(L.S.)
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, and the CITY OF HATTIESBURG, MISSISSIPPI 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:

INFRASTRUCTURE REHABILITATION ARLEDGE STREET & KATIE AVENUE AREA 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 \$ _____ 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 ENGINEER 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.

The OWNER agrees to pay the CONTRACTOR 100% of the value of the work done each month, less five percent (5%) RETAINAGE until final acceptance of the work has been made).

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 sixty (60) days the date of said final acceptance.

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.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first written above.

OWNERS:

SEAL

City of Hattiesburg, Mississippi

BY _____

Title _____ ATTEST _____

CONTRACTOR:

SEAL

BY _____

Title _____ ATTEST _____

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 a surety business under the laws of the State of Mississippi, are held and firmly bound unto City of Hattiesburg, (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 here-to 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 **INFRASTRUCTURE REHABILITATION, ARLEDGE STREET & KATIE AVENUE AREA** as shown on the 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 hereunder, 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, 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:

TITLE

WITNESSES:

TITLE

PRINCIPAL

ADDRESS

Name of person executing for Principal

TITLE

SURETY

ADDRESS

Name of person executing for Surety

TITLE

GENERAL CONDITIONS

Wherever used in these “General Conditions” or in the other contract documents, the following terms shall have the meanings indicated, which shall be applicable to both the singular and plural thereof:

Acceptance: 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, which 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 and/or interpret any or all part thereof of the contract documents, drawings and specifications by addition, deletions, clarifications, and/or corrections.

Application for Payment: The form furnished by the engineer, which is to be used by the contractor in requesting progress payments. The “Application for Payment” form is submitted along with an affidavit by the contractor that progress payments theretofore received from the owner on account for completed work have been applied by the contractor to discharge in full all of the contractor’s obligations stated in prior “Application(s) for Payment.”

Approval: Accepts 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 contractor’s surety in accordance with the contract documents and in accordance with the law of the place/location of the project.

Change Order: A written order to the contractor signed by the owner authorizing an addition to, deletion of, or revision in the work, or an adjustment in the contract price or the contract time issued after execution of the agreement.

Contract Documents: “Advertisement for Bids; Instructions for Bidders; Contractor’s Bid; Bid Bond; Contract Agreement; General Conditions; Supplemental General Conditions; Technical Specifications; Payment Bond; Performance Bond; Notice of Award; Notice to Proceed; Change Order, and Drawings.”

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 individual who is authorized to sign the contract documents on behalf of the owner’s governing body. The contracting officer is also known as the “Owner’s Recipient.”

Contractor: The person, firm, or corporation with whom/which the owner has executed the agreement.

Day: A calendar day of twenty-four hours measured from midnight to the next midnight.

Drawings: The drawings that show the character and scope of the work to be performed that 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 herein **Article 9**, paragraph 9.3 or orders minor changes in the work in accordance with herein **Article 10**, paragraph 10.2.

He, His, and Him: These are general 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 herein **Article 9**, paragraph 9.3, or (d) a written order for a minor change or alteration in the work issued by the engineer pursuant to herein **Article 10**, 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 the bidder 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 the contractor shall start to perform said contractor's obligations under the contract documents.

Owner: A public body or authority, corporation, association, partnership, or individual for which/whom the work is to be performed.

Project: The entire construction to be performed as provided in the contract documents.

Resident 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 that 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 for which substantial completion is granted, but the granting of substantial completion will not stop contract time or liquidated damages.

Supplemental General Conditions: Certain conditions of this contract required by the State of Mississippi, Department of Environmental Quality and by federal laws, executive orders, and regulations on projects funded by the state revolving fund loan program.

Supplier: An individual who and/or firm, corporation, or other organization that supplies materials or equipment for the work - including that which is fabricated to a special design, but does not perform labor at the site.

Special Conditions: Special conditions refer only to the work under this contract when included as a part of the contract documents.

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" or "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

2.1 Award

The award of the contract, if it is awarded, will be to the lowest responsive, responsible 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 forms. 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.

2.2 Execution of Agreement

At least three counterparts of the agreement and such other contract documents will be executed and delivered by the contractor to the owner within ten (10) calendar days of receipt from the owner.

2.3 Forfeiture of Bid Security

Failure of the successful bidder to execute and deliver the agreement and deliver the required bonds as stipulated herein in **Article 2**, paragraph 2.2 shall be just cause for the owner to annul the "Notice of Award" and declare the bid and any security therefore forfeited.

2.4 Contractor's Pre-Start Representations

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 with all local conditions and 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.

2.5 Commencement of Contract Time

The contract time will commence to run no more than fifteen (15) days after issuance of the "Notice to Proceed."

2.6 Starting the Project

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.

2.7 Before Starting Construction

Before undertaking each part of the work, the contractor shall carefully study and compare the contract documents and check and verify pertinent figures shown thereon and all applicable field measurements. The contractor shall at once report in writing to the engineer any conflict, error or discrepancy which he may discover; however, the contractor shall not be liable to the owner or engineer for contractor's failure to discover any conflict, error, or discrepancy in the drawings or specifications.

2.8 Schedule of Completion

Within ten (10) days after delivery of the “Notice to Proceed” by the owner to the contractor, the contractor shall submit to the 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 herein **Article 6**, paragraphs 6.22 through 6.26.) The engineer shall review and return said progress schedule or require revisions thereto within fourteen (14) days of its submittal. The responsibility for coordinating the work of all contractors shall be as provided in the special conditions if there is more than one contractor involved in a project.

2.9 Preconstruction Conference

Prior to starting the work at the site, a preconstruction conference will be held to review the above-mentioned schedules to establish procedures for handling shop drawings and other submissions, 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 owner’s representative, the engineer, resident project representatives, contractor, and contractor’s superintendent.

2.10 Qualification of Subcontractors, Material-Men, and Suppliers

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 materials or equipment) proposed for those portions of the work to which the identity of the subcontractors and other persons and organizations must be submitted as specified in the contract documents.

Within thirty (30) working days after receiving said 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 said list. The failure of the owner or the engineer to make objection to any subcontractor, person, or organization on said list within thirty (30) 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 any 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 Intent

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. The contract documents may be altered only by a modification.

3.2 Binding of Contract Documents

The contract documents are complementary; what is called for by one is as binding as if called for by all. If the contractor finds a conflict, error, or discrepancy in the contract documents, contractor shall call it to the engineer's attention in writing at once and before proceeding with the work affected thereby; however, contractor shall not be liable to owner or engineer for contractor's 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: supplemental general conditions; agreement modifications; addenda; special conditions; information to bidders; general conditions; technical specifications, and drawings. If the requirements of other contract documents are more stringent than of the supplemental general conditions, the more stringent requirements shall apply.

3.3 Similar Words Interpretation

The words "furnish," "Required," "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

Miscellaneous items and accessories that are not specifically mentioned that 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 Coordination of Work

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 the work shall be installed or erected in accordance with the best practices of the particular trade.

3.6 Manufacturer's Literature and Agency/Organization Codes

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, 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

Brand names, where used in the technical specifications, are intended to denote the standard of quality required for the particular material or product. 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 suitable for the same use and capable of performing the same function in the opinion of the engineer as the material or product so specified. It shall be understood by all bidders that "or equal" products may be used for all brands specified unless specifically noted otherwise. Proposed equivalent items must be approved by the engineer before they are purchased or incorporated in the work. (When a brand name, catalog number, model number, or other identification is used without the phrase "or equal," the contractor shall assume the phrase "or equal.")

ARTICLE 4

AVAILABILITY OF LANDS; SUBSURFACE CONDITIONS; REFERENCE POINTS

4.1 Availability of Lands

The owner will furnish, as indicated in the 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 the 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 Surveys and Test

The owner will, upon request, furnish to the bidder(s) copies of all available boundary surveys and subsurface tests at no cost.

4.3 Subsurface Conditions

The contractor acknowledges that he has investigated conditions prior to bidding and is satisfied with said 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 ground, and 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 said contractor prior to receipt of bids. Any failure by the contractor to acquaint himself with the available information will not relieve said contractor from responsibility for estimating properly the difficulty or cost of successfully performing the work. 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.

4.4 Differing Site Conditions

4.4.1 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 and/or 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.

4.4.2 No claim of the contractor under this clause shall be allowed unless the contractor has given the notice required in (a) above; provided, however, the time prescribed thereof may be extended by the owner.

4.4.3 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

5.1 Performance and Payment Bonds

The contractor's attention is directed to the instructions for bidders, the performance bond, and the payment bond as contained in the contract documents.

5.2 Contractor's Liability Insurance

The contractor shall provide the owner with insurance certificates certifying that all required liability 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 Sublet Work

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 the contractor will require the subcontractor(s) to furnish to contractor insurance certificates similar to those required by the owner in above listed paragraph 5.2 (a).

5.4 Owner's Liability Insurance

The owner will be responsible for purchasing and maintaining owner's 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.

5.5 Fire and Extended Coverage Insurance (Builders' Risk)

The contractor shall maintain, as applicable, with an insurance company or insurance companies acceptable to the owner, fire, extended coverage, and vandalism and 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 must be at all times 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 Flood Insurance

The contractor shall maintain, as applicable, with an insurance company or insurance companies acceptable to the owner, any flood insurance made available under the US National Flood Insurance Act of 1968, as amended. This requirement applies only to insurable improvements with a value in excess of ten thousand dollars (\$10,000.00 USD) located inside the boundaries of a special flood hazard area delineated on a flood hazard boundary map or flood insurance rate map which has been issued by the Department of Housing and Urban Development and the Federal Insurance Administration. The insurance shall be in an amount at least equal to the total eligible project costs located within the flood hazard area, or to the maximum limit of coverage made available under the National Flood Insurance Act of 1968, as amended, whichever is less, for the entire life of the contract.

5.7 Evidence of Insurance

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.

5.8 Cancellation and Re-Insurance

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

6.1 Supervision and Superintendence

The contractor will supervise and direct the work. The contractor will be solely responsible for the means, methods, techniques, 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 office).

6.2 Labor, Materials, and Equipment

The contractor will provide competent, suitable, qualified personnel to survey and lay-out the work and perform construction as required by the contract documents. Contractor will at all times maintain good discipline and order at the site.

6.3 Contractor to Furnish

The contractor will furnish all materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, local telephone, water, sanitary facilities and all other facilities and incidentals necessary for the execution, testing, initial operation, and completion of the work.

6.4 Condition of Materials and Equipment

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 Materials and Equipment Specifications

All materials and equipment shall be applied, installed, connected, erected, used, cleaned, and conditioned in accordance with the instructions of the applicable manufacturer, fabricator, or processors, except as otherwise provided in the contract documents.

6.6 Materials, Equipment, Products, and Substitutions

6.6.1 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 contractor to determine said materials, equipment or products acceptability and obtain engineer's approval within ninety (90) calendar days after award of contract unless otherwise stipulated in the special conditions. No request for payment for "or equal" equipment will be approved until this list has been received and approved by the engineer.

6.6.2 Whenever a material, article, or piece of equipment is identified on the drawings or specifications by reference to brand name or catalogue number, it shall be understood that this is referenced for the purpose of defining the performance of 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 name or catalogue 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 changes 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.

6.6.3 No substitute shall be ordered or installed without the written approval of the engineer, who shall be the judge of equality.

6.6.4 Delay caused by obtaining approvals for substitute materials will not be considered justifiable grounds for an extension of construction time.

6.6.5 Should any work or materials, equipment, or products not conform to requirements of the drawings and specifications or become damaged during the progress 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 herein **Article 7**, paragraph 7.10.)

6.6.6 No materials or supplies for the work shall be purchased by the contractor or by a 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.

6.7 Concerning Subcontractors

The contractor will not employ any subcontractor, other person, or organization of the types referred to in herein **Article 2**, 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 contractor 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 there is good cause for doing so.

6.8 Contractor's Responsibility for (Direct and Indirect) Personnel

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 contractor 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 Drawings Disassociation of Work Delegation

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 Binding Subcontractors to Contract

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 Contractor and Subcontractor Agreement

All work performed for the contractor by a subcontractor shall be pursuant to an appropriate agreement between the contractor and the subcontractor.

6.12 Contractor's Responsibility When Delegating Work

6.12.1 The contractor shall be responsible for the coordination of the trades, subcontractors, and material-men engaged upon contractor's work.

6.12.2 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 to terminating any subcontract that the owner may exercise over the contractor under any provisions of the contract documents.

6.12.3 The owner or engineer will not undertake to settle any differences between the contractor and his subcontractors or between subcontractors.

6.12.4 The subcontractor shall be replaced if and when directed in writing if, in the opinion of the engineer, any subcontractor on the project proves to be incompetent or otherwise unsatisfactory.

6.13 Patent Fees and Royalties

The contractor will pay all license fees and royalties and assume all costs incident to the use of any invention, design, process, or device that is the subject of patent rights or copyrights held by others. He will indemnify and hold harmless the owner and the engineer and anyone directly or indirectly employed by either of them from and against all claims, damages, losses, and expenses (including attorney's 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 Patent Rights and Royalties

The contractor shall be responsible for determining the application of patent rights and royalties on materials, appliances, articles, and/or systems prior to bidding. However, he shall not be responsible for such determination on systems that do not involve purchase by him of materials, appliances, and articles.

6.15 Permits

The contractor will secure and pay for all construction permits and licenses and will pay all governmental charges and inspection fees necessary that are applicable at the time of his bid for the prosecution of the work. There will be no charges to the contractor when such charges are normally made by the owner and when so stated in the special conditions. The owner shall assist the contractor, when necessary, in obtaining such permits and licenses. The contractor will also pay all public utility charges.

6.16 Laws and Regulations

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 therefrom; 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.

6.17 Taxes

Cost of all sales and other taxes for which the contractor is liable under the terms of the contract shall be included in the contract price stated by the contractor.

6.18 Record Drawings

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 complete drawings 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.

6.19 Safety and Protection

The contractor will be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the work. The contractor 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 job 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, and

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 Preventative Measures

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.

6.21 Emergencies

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 thereupon 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 herein in **Articles 11 and 12.**

6.22 Shop Drawings and Samples

After checking and verifying all field measurements, the contractor will submit to the engineer for review copies (or at the engineer's option, one reproducible copy) of all shop drawings in accordance with the accepted schedule of shop drawing submissions (see herein **Article 2**, paragraph 2.8), 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 Submittal of Samples

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 and pertinent catalog numbers, and the use for which intended.

6.24 Drawing or Sample Deviations from Contract

At the time of each submission, the contractor will, in writing, bring to the engineer's attention any deviations that the shop drawings or sample may have from the requirements of the contract documents.

6.25 Engineer's Review of Submitted Drawings and Samples

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 drawing or sample shall constitute a representation 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 drawing or sample with the requirements of the work and the contract documents.

6.26 Commencement of Work of Submission(s)

No work requiring a shop drawing or sample submission shall be commenced until the submission has been reviewed and approved 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 Contractor's Responsibility of Submission(s)

The engineer's review of shop drawings or samples shall neither 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 omissions in the shop drawings.

6.28 Site Clean-Up

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, that has been disturbed or damaged during the prosecution of the work, and shall leave the whole in a neat and presentable condition.

6.29 Building Clean-Up

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., from the building and shall leave his work "broom clean," or its equivalent, unless more exactly specified elsewhere in the contract. The general contractor shall do the following special cleaning for all trades upon completion of the work:

6.29.1 remove putty stains and paint from and wash and polish all glass. Do not scratch or otherwise damage glass.

6.29.2 remove all marks, stains, fingerprints and other soil and dirt from painted, stained, and decorated work.

6.29.3 remove all temporary protections and clean and polish floors.

6.29.4 clean and polish all hardware for all trades; this shall include removal of all stains, dust, dirt, paint, etc.

6.30 General Clean-Up

In case of dispute, the owner may remove the rubbish and charge the cost to the several contractors as the engineer shall determine to be just.

6.31 Public Convenience and Safety

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. 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.

6.32 Sanitary Provisions

The general contractor shall furnish necessary toilet conveniences secluded from public observation for use of all personnel on the work site, 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. The general contractor shall commit no public nuisance. Temporary sanitary facilities shall be removed upon completion of the work and the premises shall be left clean.

6.33 Indemnification

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 attorney's fees arising out of or resulting from the performance of work, provided that any such claim, damage, loss or expense is (a) 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 therefrom, and (b) 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 Claims Against Owner or Engineer

In any and all claims against the owner or the engineer or any of their agents or employees, by an 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 herein **Article 6**, 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 employees benefit acts.

6.35 Contractor's Liability Obligations

The obligations of the contractor under herein **Article 6**, paragraph 6.34 shall not extend to the liability of the engineer's negligent acts, errors, or omissions or those of his employees or agents.

6.36 Responsibility for Connecting to Existing Work

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.

6.37 Work in Street, Highway, and Other Rights-of-Way

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 federal, state, and local laws. The owner 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, pavements, storm drainage structures, and other such items 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.

6.37.3 Any variation from the requirements of paragraph 6.37.2 above shall be stated in the "Special Conditions."

6.38 Cooperation with Governmental Departments, Public Utilities, Etc.

The contractor 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 structures connected therewith that are encountered in the work so 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 that 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.

6.39 Use of Premises

The 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 the 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.

6.40 Protection of Existing Property Improvements

Any existing surface or subsurface improvements, such as pavements, curbs, sidewalks, pipes or utilities, footings or structures (including portions thereof), and/or 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.

6.41 Temporary Heat

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 stated 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 Additional Related Work

The owner may perform additional work related to the project by himself, or he may let other direct contracts thereof that shall contain general conditions similar to these herein. 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 Report of Defects or Deficiencies

If any part of the contractor's work depends on 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 Altering the Work of Others

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 Prior Written Notice of Additional Work

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 as provided herein in **Articles 11 and 12**.

7.5 Contractor's Allowance for Work of Others

Where practicable, the general 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 Alterations Not Built by General Contractor

Necessary chases, slots, and holes not built or left by the general contractor shall be cut by the separate contractor requiring such alterations after approval of the general contractor. The general contractor shall do all patching and finishing of his work where cut by other contractors at the expense of such other contractors.

7.7 Contractors Sharing of the Work Site

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 Monitoring Contractors Work

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 for proper coordination of his own work.

7.9 Contractor's Progress of Work Notice(s)

Each contractor shall give notice(s) of the progress of his work so as to allow other contractors adequate opportunity to properly direct and coordinate their work. The general contractor shall give notice(s) 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 (a) to the engineer with copies to other prime contractors on the project, and (b) sufficiently ahead of job progress to permit adequate time for the other prime contractors to coordinate their work.

7.10 Notice Negligence and Other Liability

The cost of extra work resulting from lack of notices, untimely notices, and 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 Communication

The owner will issue all communications to the contractor through the engineer.

8.2 Engineer's Termination

In case of termination of the employment of the engineer, the owner will appoint an engineer against whom the contractor makes no reasonable objection and 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 Prompt Payments to Contractor

The owner will promptly furnish the data required of him under the contract documents and shall promptly make payments to the contractor after they are due as provided herein in **Article 14**.

8.4 Owner's Duties

Owner's duties in respect of providing lands and easements and providing engineering surveys to establish reference points are set forth herein in **Article 4**. **Article 4**, paragraph 4.2 refers to the owner 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 has been relied upon by the engineer in preparing the drawings and specifications.

8.5 Owner's Liability Responsibilities

The owner's responsibilities in respect of liability and property insurance are set forth herein in **Article 5**, paragraph 5.4.

8.6 Owner's Right to Request Changes

In addition to owner's rights to request changes in the work in accordance with herein **Article 10**, the owner (especially in certain instances as provided in **Article 10**, paragraph 10.4) will be obligated to execute change orders.

8.7 Owner's Right to Stop or Suspend Work

In connection with the owner's right to stop or suspend work, see herein **Article 15**, paragraph 15.1. **Article 15**, paragraph 15.3 deals with the owner's right to terminate services of the contractor under certain circumstances.

8.8 Owner's Use of Completed or Partially Completed Work

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.

8.9 Other Owner's Responsibility

Owner's responsibility in respect of certain inspections, tests, and approvals is set forth herein in **Article 9**.

ARTICLE 9

ENGINEER'S STATUS DURING CONSTRUCTION

9.1 Owner's Representative

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 herein 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.

9.2 Visits to Site

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. The engineer will not be required to make continuous on-site observations to check the quality or quantity of the work. The engineer's 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.

9.3 Clarifications and Interpretations

The engineer will issue with reasonable promptness such written clarifications 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 thereof as provided herein in **Articles 11** and **12**.

9.4 Measurement of Quantities

All work completed under the contract will be measured by the engineer according to the United States Standard Measures. All linear surface measurements will be made horizontally or vertically as required by the item measured.

9.5 Rejecting Defective Work

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, does not conform to the requirements of the contract documents, does not meet the requirements of any inspection, test, or approval referred to in the special conditions, or has been damaged prior to final acceptance). The engineer will also have authority to require special inspection or testing of the work as provided in the special conditions, whether or not the work is fabricated, installed, or completed.

9.6 Shop Drawings, Change Orders, and Payments

In connection with the engineer's responsibility as to shop drawings and samples, see herein **Article 6**, paragraphs 6.25 through 6.27, inclusively.

9.7 Engineer's Responsibility for Change Orders

In connection with the engineer's responsibility for change orders, see herein **Articles 10, 11, and 12**.

9.8 Engineer's Responsibility Regarding Application for Payment

In connection with the engineer's responsibilities in respect of "Application for Payment," etc., see herein **Article 14**.

9.9 Resident Project Representative

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.

9.10 Decisions on Disagreements

The engineer will be the initial interpreter of the terms and conditions of the contract documents and the judge of the performance thereunder. 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 Right to Request Arbitration

Either the owner or the contractor, if the other agrees, may request arbitration with respect to any such claim, dispute, or other matter that has been referred to the engineer, except any that have been waived by the making or acceptance of final payment as provided herein in **Article 14**, paragraph 14.11, and such arbitration is to be in accordance with herein **Article 16**. However, no request for arbitration 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 the engineer has not rendered his written decision before that date. No request for arbitration 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 to which arbitration is sought, and the failure to request arbitration 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 arbitration proceedings have been initiated, such decision may be entered as evidence but shall not supersede the arbitration proceedings except where the decision is acceptable to the parties concerned.

9.12 Limitations of Engineer's Responsibilities to Contractor and Others

Neither the engineer's authority to act under this herein **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 Engineer's Limitations of Responsibility

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 Engineer's Limitations of Responsibility for Omissions

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 persons performing any of the work.

ARTICLE 10

CHANGES IN WORK

10.1 Owner's Right to Initiate Change Orders

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 herein in **Article 11** or **Article 12**. A change order signed by the contractor indicates his agreement therewith.

10.2 Authorization of Minor Changes or Alterations

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 changes and/or alterations 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, the contractor may make a claim thereof as provided herein in **Articles 11** and **12**.

10.3 Unauthorized Additional Work

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 herein in **Article 6**, paragraph 6.21 and except as provided herein in **Article 10**, paragraph 10.2.

10.4 Execution of Change Order(s)

The owner will execute appropriate change orders prepared by the engineer covering changes in the work to be performed as provided herein in **Article 4**, paragraph 4.4, and work performed in an emergency as provided herein in **Article 6**, 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 Notification of Surety of Changes

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 Total Compensation Payable to Contractor

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 Owner's Written and/or Verbal Change Orders

11.2.1 The owner may, at any time and 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: (a) in the specifications (including drawings and designs); (b) in the method or manner of performance of the work; (c) in the owner-furnished facilities, equipment, materials, services, or site; or (d) directing acceleration in the performance of the work, and/or (e) directing the contractor to stop work for a stated time.

11.2.2 Any other written order or an oral order (which terms as used in this paragraph 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.

11.2.3 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.

11.2.4 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 above listed paragraph 11.2.2 shall be allowed for any costs incurred more than twenty (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.

11.2.5 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 above listed paragraph 11.2.1 or the furnishing of a written notice under above listed paragraph 11.2.2, 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 above listed paragraph 11.2.2. If not received by the owner within 30 days, the owner may choose to reject the contractor's information relating to such claim without review.

11.2.6 No claim by the contractor for an equitable adjustment hereunder shall be allowed if asserted after final payment under this contract.

11.3 Determination of Change Order Compensation

The compensation of any portion of the 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 change order involved is covered by unit prices contained in the contract documents by application of unit prices to the quantities of the items involved. Should the items (by quantity) be increased or decreased by more than 15 percent (15%) from that stipulated in the contract documents and the total dollar amount is significant (greater than ten thousand dollars [\$10,000]), either the owner or the contractor may request to negotiate a new unit price for the quantities in excess of the 15 percent (15%) window to protect their financial interest in the project.

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 Defining "Cost of the Work"

The term "Cost of the Work" (also "Cost of Work") means the sum of all costs necessarily incurred and paid by the contractor in the proper performance of the work. 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 herein in **Article 11**, 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 cost 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 manufacturers' 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 herein **Article 11**, paragraphs 11.4 and 11.5. All subcontracts shall be subject to the other provisions of the contract documents insofar as applicable.

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, traveling, 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 that 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 others in accordance with rental agreements approved by owner with the advise of engineer, and the costs 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 cease 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 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 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. 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 herein in **Article 11**, 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 Limitations Regarding "Cost of Work"

The term "Cost of 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 administrator of the work and not specifically included in the schedule referred to herein in **Article 11**, 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 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 provided herein in **Article 11**, subparagraph 11.4.5.9.)

11.5.5 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.

11.5.6 other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included herein in **Article 11**, paragraph 11.4.

11.6 Determining Contractor's Fee

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 Work."

11.7 Credits from Contractor to Owner

The amount of credit to be allowed by contractor to owner for any such change that 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 charge, the net shall be computed to include overhead and profit, identified separately, for both additions and credits.

11.8 Itemizing Cost

Whenever the cost of any work is to be determined pursuant to herein **Article 11**, paragraphs 11.4 and 11.5, contractor will submit in form prescribed by engineer an itemized cost break-down 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 of 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 the 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 above listed **Article 11**, paragraph 11.9.1 is more 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 above listed **Article 11**, paragraph 11.5.

ARTICLE 12

CHANGE OF CONTRACT TIME

12.1 Contract Time Change Order

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 (10) 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 (45) 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 Extended Contract Time Requirements

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 herein in **Article 12**, 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, abnormal weather conditions, or acts of God.

12.3 Binding Time Limits

All time limits stated in the contract documents are of the essence of the agreement. The provisions of this herein **Article 12** shall not exclude recovery for damages (including compensation for additional professional services) for delay by either party.

12.4 Claims Due to Drawing(s) Delays

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 Other Damage Recovery Rights

This **Article 12** does not exclude the recovery of damages for delay by either party under other provisions in the contract documents.

ARTICLE 13

GUARANTY

Contractor's Guaranty Requirements

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, adjustments, or 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

14.1 Payments to Contractor

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 a 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 return the partial payment estimate to the contractor indicating in writing his reasons for refusing to approve payment. In the latter case, the contractor may make the necessary corrections and resubmit the partial payment estimate. The owner will, within ten (10) 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 shall retain a portion of the amount otherwise due the contractor in accordance with Section 31-5-33 of the Mississippi Code.

14.2 Contractor's Warranty of Title

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.

14.3 Approval of Payments

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 for 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 is 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 Contractor's Certification Statement

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 have 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 Engineer's Final Payment Approval

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 herein in **Article 14**, paragraph 14.11 have been fulfilled.

14.6 Engineer's Right to Refuse Payment Approval

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 as above listed in

Article 14, paragraph 14.5. He may also refuse to approve any such payment, or because of subsequently discovered evidence or the results of subsequent inspection 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, or completed work has been damaged requiring connection or replacement;

14.6.2 the work for which payment is requested 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 herein with **Article 13**, paragraph 13.1;

14.6.6 of unsatisfactory prosecution of the work, including failure to clean up as required by herein **Article 6**, paragraphs 6.28, 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 Owner's Use of Completed or Partially Completed Work

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 an acceptance of such portions of the work.

14.8 Owner's Right to Entry

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 the restoration of any damaged work except such as may be caused by agents or employees of the owner.

14.9 Engineer's Certificate

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 sixty (60) days of completion and acceptance of the work.

14.10 Contractor's Indemnification Requirements to Owner

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, materialmen, and furnishes 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 the 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 pay 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, his surety, or any third party. In paying any unpaid bills of 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.

14.11 Acceptance of Final Payment as Release

The acceptance by the contractor of final payments shall be and operate as a release to the owner of all claims and all 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 his work and for every fact and neglect of the owner and others relating to or arising out of his 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

15.1 Owner May Suspend Work

The owner may, at any time and without cause, suspend the work or any portion thereof for a period of not more than ninety (90) 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 resume the work on the date so fixed. 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 claim therefore as provided herein in **Articles 11 and 12.**

15.2 Work During Inclement Weather

No work shall be done under these specifications except by permission of the owner when the weather is unfit 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 the 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.

15.3 Owner May Terminate

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 workman or suitable materials or equipment, or if he repeatedly fails to make prompt payments to subcontractors or for labor, materials, and/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 (7) 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 Rights of Owner Against Terminated Contractor

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 Owner's Right to Abandon Project

Upon seven (7) 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 expenses sustained plus a reasonable profit.

15.6 Removal of Equipment

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.

15.7 Contractor May Stop Work or Terminate

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 arbitrators within sixty (60) days of its approval and presentation, then the contractor may, upon seven (7) days written notice to the owner and the engineer, 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.

15.8 Owner Furnished Equipment

In case the owner furnishes equipment to the contractor to install but fails to deliver it to the contractor as required by supplementary or special conditions, 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.

15.9 Liquidated Damages

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 shown on his bid for each calendar day that the contractor shall be in default after the time stipulated in the contract documents.

ARTICLE 16

ARBITRATION

16.1 Arbitration Standards and Rules

All claims, disputes and other matters in question arising out of, or related to, this agreement or the breach thereof except for claims which have been waived by the making or acceptance of final payment as provided herein by **Article 14**, paragraph 14.11, shall be decided by arbitration, if all parties mutually agree, in accordance with the "Construction Industry Arbitration Rules of the

American Arbitration Association” then obtaining, or in a court of competent jurisdiction. This agreement so to arbitrate shall be specifically enforceable under the prevailing arbitration law. The award rendered by the arbitrators shall be final, and judgment may be entered upon it in any court having jurisdiction thereof. The arbitration decision must present findings of fact, conclusions of law, basis of award, and rationale.

16.2 Notice of Arbitration Requirements

Notice of the request for arbitration shall be filed in writing with the other party to the agreement and with the American Arbitration Association, if both parties mutually agree to arbitration, and a copy shall be filed with the engineer. The request for arbitration shall be made within the thirty (30) day period specified herein in **Article 9**, paragraph 9.11 where applicable, and in all other cases within a reasonable time after the claim, dispute, or other matter in question has arisen and in no event shall it be made after institution of legal or equitable proceedings based on such claim, dispute, or other matter in question would be barred by the applicable statute of limitations.

16.3 Arbitration Affects on Work

The contractor will carry on the work and maintain the progress schedule during any arbitration proceedings unless otherwise agreed by him and the owner in writing.

ARTICLE 17

MISCELLANEOUS

17.1 Recognized Delivery of Notice(s)

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 Owner’s Failure to Pay Contractor

If the owner fails to make payment sixty (60) days after approval by the engineer, in addition to other remedies available to the contractor, there shall be added to each such progress payment, interest at one percent (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 Engineer’s Property

All specifications, drawings, and copies thereof furnished by the engineer shall remain the engineer’s 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 Non-Limiting Rights and Remedies by Herein Identified Documents

The duties and obligations imposed by these general conditions, special conditions, and supplemental general conditions and the rights and remedies available hereunder, and, in particular but without limitation, the warranties, guarantees, and obligations imposed upon contractor and

those in the special conditions and the rights and remedies available to owner and engineer thereunder shall be in addition to, and shall not be construed in any way as a limitation of, any rights and remedies available to them which are otherwise imposed or available by law, by special guarantee, or be other provisions of the contract documents.

17.5 Notice of Injury or Damage Claim

Should the owner or the contractor suffer injury or damage to his/its person or property because of any error, omission or act of the other or of any of his/its employees or agents or others for whose acts he/it 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 Laws that Supersede Contract Documents

The contract documents shall be governed by the law of the place (location) of the project.

17.7 Practicable Schedule

The contractor shall within five (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 approximately 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 Falling behind the Progress Schedule

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 Contractor to Comply with Owner Requirements

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 Failure to Complete the Work on Time

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 to 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 Liquidated Damages

The damages indicated in the contract documents 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.

17.12 Laws that Supersede Contract Documents

The contract documents shall be governed by the law of the place (location) of the project.

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 of the City of Petal Building Code 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 in the amount of ONE HUNDRED THOUSAND DOLLARS (\$100,000.00) for each person. 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, 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.

GUARANTEE

The Contractor shall guarantee to City of Petal all work under this contract to be free from defects in workmanship and materials for a period of one (1) year from date of final acceptance.

BIDS

The form of proposal or an exact facsimile thereof must be used by Contractors submitting proposal for any or all of the work included in these specifications and/or the accompanying plans. The receipt of all Addenda must be acknowledged and the receipt signed by the Contractor or his duly authorized representative and attached to the proposal form when the bids are submitted.

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 with five (5) days 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.

WARRANTY

The Contractor, upon completion of the project, shall furnish one (1) year written guarantee on all materials and workmanship to begin on the date of acceptance by the Owner or the Owner's appointed representative.

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 City of Petal 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

Unless otherwise noted in this section, Measurement and Payment for all bid items shall be in accordance with the Mississippi Standard Specifications for Road and Bridge Construction, 2004 edition.

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.

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.

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, 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.

TECHNICAL SPECIFICATIONS

1. Applicable Specifications

The Technical Specifications entitled Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition shall be the specifications applicable to this project except as for herein specified. Any testing required by those specifications for material submittal approval shall be the responsibility of the Contractor. The testing laboratory used by the Contractor shall be a laboratory certified by the Mississippi Department of Transportation and shall be approved by the Engineer. Any reference to Unit Item for pay shall be modified and paid based on the Measurement and Payment section of the specifications.

2. References Amended to mean Engineer

Any reference in the above mentioned specifications to Commission, Director, Chief Engineer, Testing Engineer, or Project Engineer shall be amended in these specifications to mean the Engineer, or his duly authorized representative, of the City of HATTIESBURG.

SANITARY SEWER 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 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 139/139M 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.

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 certifying that 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 a Protecto 401 lining on the interior.

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.

C. Service Laterals: Service laterals for local services shall consist of fittings, pipe lengths, and connections of 6 inch or 4 inch pipe as noted on the plans. 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.

All service lines shall extend a maximum of up to 5 feet from house fronts of residences and public buildings and up to the property lines of businesses.

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).

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 - 1/2"	95 - 100
3/4"	35 - 70
3/8"	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 - 1/2" sieve.

4.5 Clay Gravel Material: Clay Gravel Material shall meet MDOT Standards Class 6, Group C.

4.6 Concrete: Concrete shall be in accordance with the requirements of Technical Specifications - CONCRETE

4.7 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.

A. 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

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.

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.

B. Asphalt or Concrete Removal: Before trenching operations begin, the existing asphalt or concrete pavement shall be cut to full 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 trenches 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.

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 sub grade 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 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 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, grad, 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.

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 accord 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 maybe 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.

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".

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 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.

5.6 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 invert 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.

5.7 CONTINUATION OF SERVICE

The existing wastewater system shall remain in operation during the duration of the project. 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.

6.0 TESTING

6.1 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.

6.2 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.

6.3 COMPACTION TESTS: Compaction tests shall be performed in accordance with AASHTO T 191 or ASTM D 2922. Maximum compaction shall be determined in accordance with AASHTO T99. Compaction tests for sewer pipe related work shall not be less than as follows:

	(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	

6.4 INFILTRATION/EXFILTRATION 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. Exfiltration Test: The exfiltration test shall be conducted between adjacent manholes. The inlet pipes in the downstream and upstream manholes shall be plugged. The line being tested shall be filled with water until water depth becomes two (2) feet above top of pipe being tested in the upstream manhole. The water loss shall be measured in the upstream manhole at 12 hour intervals for two (2) days and the exfiltration rate calculated from the data obtained. Any section exceeding an exfiltration rate of 200 gallons/day/inch diameter of pipe/mile shall fail the test. The Contractor shall locate and repair leaks as necessary to pass the exfiltration test. A low-pressure air test conforming to ASTM C-828-80 or latest revision may be used in lieu of the exfiltration test.

6.5 DEFLECTION TESTS: 100% of the PVC gravity sewer 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, replace and thoroughly tamp haunching and initial backfill; replace remainder of backfill.

H. Re-test this section for deflection.

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.

WATER SYSTEMS

1) GENERAL

- a) 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) APPLICABLE PUBLICATIONS

- a) 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.

- i) 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).

- ii) 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.

iii) 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.

iv) 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.

v) MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Standard Specifications for Road and Bridge Construction 1990 Edition.

3) **SUBMITTALS**

a) 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.

i) 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:

- (1) Joints: The following shall be required for ductile iron joints.
- (2) Drawings or Manufacturer's Catalogue data indicating dimensions and tolerance.
- (3) 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.
- (4) 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).

ii) 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.

b) PVC Pipe: The Contractor shall furnish manufacturer's certificates certifying that the pipe and fittings conform to the requirements of these specifications and appropriate construction drawings.

4) **MATERIALS - WATER SYSTEM**

a) Ductile Iron Pipe:

- i) Ductile iron pipe shall be designed in accordance with the latest revision of ANSI/AWWA C51/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.
- ii) 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.

- iii) 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.
- iv) 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.
- v) 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.
- vi) 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) PVC Pipe

- i) PVC pipe for this project shall be PVC, C-900, Class 200. This standard covers the installation of Pressure Class 100, 150 and 200 PVC pipe complying with AWWA Standard C-900-89. PVC pipe shall bear the National Sanitation seal for potable water.
- ii) The pipe shall be equipped with a push on joint in a single elastomeric gasketed joint. It is assembled by positioning the elastomeric gasket in the annular groove of the bell and inserting the spigot end of the pipe into the bell. The spigot end of the pipe compresses the gasket radially to form a positive seal. The gasket and annular groove are designed, sized and shaped so that the gasket will resist displacement. Care shall be taken so that only the correct elastomeric gasket, compatible with the annular groove of the bell, is used. Insertion of the elastomeric gasket in the annular groove of the bell must be in accordance with the manufacturer's recommendations.

c) Gate Valves:

- i) Where indicated on the Plans or directed by the ENGINEER, the CONTRACTOR shall furnish and install gate valves as hereinafter specified.
- ii) All gate valves shall be cast iron mechanical joint, Mueller A-2360, 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.

- iii) Valve boxes shall be cast iron top and bottom. Extension pieces shall be provide as required.
- iv) Payment for furnishing and installing gate valves with box shall be made at the contract unit price per valve according to type and size as listed in the proposal.
- v) 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.
- vi) 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.

d) Fittings, Valves and Hydrants, etc.

- i) 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.
- ii) 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.
- iii) 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.

- iv) 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.
- v) 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.
- vi) The prices bid furnishing and installing valves, fittings, etc., shall include compensation for furnishing mechanical joint restraints as required at beds, tees, plugs and caps. No separate or extra compensation will be allowed for any of the above specified incidental work or material.

e) Plugs and Caps

- i) 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 "deadend" lines are installed, the ends of such lines shall be plugged or capped as required.
 - ii) For the various hot taps required according to the plans, and up to 12 inches, the JCM 432, stainless Tapping Sleeve shall be required. The CONTRACTOR shall furnish all materials for these various taps and the OWNER will actually make the tap.
- f) 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 0.375 inch.
- 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.)

SIZE No. 467

Nominal Size (Sieves w/Square Openings)	Percent Passing by Weight
2"	100
1-1/2"	95–100
3/4"	35–70
3/8"	10–30
No. 4	0–5

- h) 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 - 1/2" sieve.
- i) Concrete: Concrete shall be in accordance with the requirements of Technical Specifications – CONCRETE.
- j) Select Backfill
- i) 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.
- ii) 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.
- iii) The composite selected sand-clay material passing the Number 10 sieve shall conform to the following minimum and maximum gradation limits:

Sieve	Percent Passing by Weight
Number 40	40–85
Number 60	30–70
Number 270	8–30
Silt (.05 to .005 mm)	03–15

Clay (Passing .005 mm)	3--15
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- iv) Backfill: All other backfill shall consist of excavated material removed from the trench.

5) CONSTRUCTION

a) Earthwork

i) Site Preparation:

- (1) Topsoil shall be stripped and stockpiled in accordance with Technical Specifications - Restoration of Roads, Driveways, Fences, Lawns, and other Grassed Areas.
- (2) 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.
- (3) 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:

- i) 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.
- ii) 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.

- iii) 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.
- iv) 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:

- i) 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.
- ii) 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

- i) 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.

- ii) 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

- i) 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.
- ii) 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.
- iii) 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.

iv) Bedding Materials

(1) 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.

(2) 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.

v) 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.

vi) 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 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.

g) Backfilling: Upon completion of placement of select material the excavated materials shall be immediately placed back into the trench. Specific requirements are:

i) 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.

- ii) 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.
- iii) No debris shall be used as backfill which has a volume in excess of one-half of one cubic foot or weight excess of 75 pounds.
- h) 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.
- i) Grading and Grassing: Final grading and grassing shall be in accordance with Technical Specifications, "RESTORATION of ROADS, DRIVEWAYS, FENCES, LAWNS, and OTHER GRASSED AREAS."
- j) 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.
- k) Pipe Laying
 - i) 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.
 - ii) The water main shall maintain a minimum of 30 inches of cover at all times.
 - iii) 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.

- l) 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.
 - i) 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.
 - ii) 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.
 - iii) 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.
 - iv) All joints of whatever type shall be completely water tight after being subjected to the required tests.
- m) Borings: Borings shall be accomplished in accordance with Mississippi State Highway Department 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.
 - i) 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.
 - ii) 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.
 - iii) 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.

- iv) 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.

- 6) **SEPARATION of WATER and SEWER MAINS:** The water and sewer specifications should state that the water line be constructed no less than 10 feet horizontally and 18" vertically with water line over sewer line. If those conditions cannot be met then they will be decided on a case by case basis.

7) **TESTING**

a) Ductile Iron Pipe

- i) 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.
- ii) 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.

- b) Steel Casing Pipe Material test shall be included as part of the submittal. No other material test shall be required.

c) Compaction Tests

- i) Compaction tests shall be performed in accordance with AASHTO T 191 or ASTM D 2922. Maximum compaction shall be determined in accordance with AASHTO T 99.
- ii) Compaction tests for water pipe related work shall not be less than as follows:

NUMBER of COMPACTION TESTS AASHTO T-99, AASHTO T-191, or ASTM D 2922		
Stabilization Material	1	One per 100 C.Y.
Bedding material	2	One per 600 L.F.
Tamped Backfill	2	One per 600 L.F.

d) Hydrostatic Testing

- i) After the pipe has been laid, all newly laid pipe or any valved section thereof shall be subjected to a hydrostatic pressure of at least 1.5 times the working pressure at the point of testing and not less than 1.25 times the working pressure along the test section, for a minimum of 2 hours.
- ii) And all tests shall be in accordance with AWWA Standard C600, Section 4.
- iii) Allowable leakage shall be no more than that determined by the following formula:

$$L = \frac{SD \sqrt{P}}{133,200}$$

- iv) In which L is the allowable leakage in gallons per hour; S is the length of pipe tested in feet; D is the nominal diameter of the pipe, in inches; and P is the average test pressure during the leakage test in pounds per square inch.
- v) 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. Record of testing is to be furnished to the OWNER.

8) CLEANING and STERILIZING

- a) 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 sterilized by pumping into and through them a solution of chlorine of 50mg/l for 24 hours in such manner as to meet the requirements of the State Board of Health.
- b) 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.

- c) All water mains will be flushed, chlorinated and re-chlorinated until two (2) consecutive negative water samples are obtained by the Local Health Department. The samples shall be collected by the Certified Operator of the system or the Professional Engineer of the project.
- d) 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.

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.

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 of 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 performed 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 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.

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 "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 "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.

4.10 All manholes: All manholes shall be lined inside with a sixteen (16) 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 8-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.

CONCRETE

1. 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 and minor concrete work.

2. 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 Current Edition.

3. 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. 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. 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. TESTING

The following test shall be required:

A. Slump: The Engineer 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 Engineer 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.

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 these 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 The Moisture Density Relations of Soils Using a 5.5lb. (2.5 kg) Rammer and a
12-inch (305 mm) Drop

T 167 Compressive Strength of Bituminous Mixture

T 191 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 State Highway Department (MSHD)

Standard Specifications for Road and Bridge Construction, 1990 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 MSHD Specification Section 300.

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 408.

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.

Bituminous Materials (AC-20) 702.01
Aggregate

A. BC-1 Binder Course

B. SC-1 for Surface Course
Filler 703.14

C. Topsoil: Topsoil shall be in accordance with Technical Specifications - SEEDING AND SODDING.

E. Seeding and Sodding: Seeding and sodding operations shall be in accordance with Technical Specifications - SEEDING AND SODDING.

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 City of Petal. Through or local traffic shall at all times be accommodated by the use of temporary approaches, crossings or detours (if allowed by the City of Petal). 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 City of Petal) maintain open one lane to traffic during construction operations and restore roadways to two-way traffic during non-construction hours.

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. Asphaltic Base: Asphaltic base shall be constructed in accordance with MDOT Specification Section 300.

B. 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.

C. 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.

D. 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 6 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 T-99.

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) is 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 - 1/2 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 - 1/2 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.

E. 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, 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.

Seeding: Seed shall be uniformly sown in accordance with Technical Specification - Seeding and Sodding

Sodding: Sod shall be place in accordance with Technical Specification - Seeding and Sodding

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 emulsified asphalt or by "crimping" parts of the material into the soil.

5.8 Miscellaneous Items: Items such as fences, gates, headwalls, 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 cultural bacteria that are adapted to that particular kind of seed. The bacteria shall be supplied in convenient containers seed. The bacteria shall be supplied inconvenient 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-

1/2) 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.

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 ensure 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 at 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 hereinbefore 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.

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 June 28, 2018 in City Council Chambers at City Hall, 200 Forrest Street, Hattiesburg, MS 39401, and then at said location will open and read aloud bids received for furnishing the City's requirements for the following:

INFRASTRUCTURE REHABILITATION ARLEDGE STREET & KATIE AVENUE AREA HATTIESBURG, MISSISSIPPI

Official bid documents can be downloaded from Central Bidding at www.centralbidding.com. Electronic bids can be submitted at www.centralbidding.com. For any questions relating to the electronic bidding process, please call Central Bidding at 225-810-4814. 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.

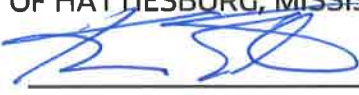
Each BID must be received sealed and marked EXACTLY as follows:

BID: INFRASTRUCTURE REHABILITATION ARLEDGE STREET & KATIE AVENUE AREA 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 22nd day of May A.D., 2018.

CITY OF HATTIESBURG, MISSISSIPPI

BY: 

Kermas Eaton, City Clerk

Publish on May 31, 2018 and June 7, 2018
City of Hattiesburg
Return PROOF to City Clerk's Office
PO Box 1898
Hattiesburg, MS 39403



City of Hattiesburg, MS

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

Master

File Number: 2018-452

File ID: 2018-452

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Deborah Bourne

File Created: 05/11/2018

Brief Title: Approve the sale of grave spaces, per attached Memos, Receipts and Deeds.

Final Action:

Minute Book Number: MB2018-135

Title:

Approve the sale of grave spaces, per attached Memos, Receipts and Deeds.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VII.-3

Sponsors:

Enactment Date:

Attachments: Memos (05-22-18), Receipts (05-22-18), Deeds (05-22-18)

Enactment Number:

Contact:

Meeting Date: 05/22/2018

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	05/22/2018					

Text of Legislative File 2018-452

Title

Approve the sale of grave spaces, per attached Memos, Receipts and Deeds.

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: May 2, 2018

The following represents the grave spaces sold on May 2, 2018

Sarah Chaney

(1) Space \$ 175.00

North Half (N ½) of the Southeast Quarter (SE ¼)

Lot 84, Section 36, Highland Cemetery

Terry Lee Bouie

(1) Space \$ 175.00

North Half (N ½) of the Southeast Quarter (SE ¼)

Lot 45, Section 35, Highland Cemetery

William Lloyd Lunceford

(1) Space \$ 175.00

East Half (E ½) of the Northeast Quarter (NE ¼)

Lot 140, Section 21, Highland Cemetery

Larry Leverette

(1) Space \$ 175.00

South Half (S ½) of the Southeast Quarter (SE ¼)

Lot 26, Section 34, Highland Cemetery

Carolyn Welborn

(1) Space \$ 175.00

North Half (N ½) of the Southwest Quarter (SW ¼)

Lot 38, Section 35, Highland Cemetery

Carolyn Welborn

(1) Space \$ 175.00

South Half (S ½) of the Northwest Quarter (NW ¼)

Lot 38, Section 35, Highland Cemetery

Earnestine Lumzy

(1) Space \$ 175.00

South Half (S ½) of the Northeast Quarter (NE ¼)

Lot 41, Section 28, Highland Cemetery

To: CITY COUNCIL

From: Deborah Bourne, Assistant Division Manager of Cemeteries

Date: May 7, 2018

The following represents the grave spaces sold on May 7, 2018

Lois Wallace & Marvin Graham

(2) Spaces \$ 350.00

Southeast Quarter (SE ¼)

Lot 64, Section 34, Highland Cemetery

Fernando Zepeda

(1) Space \$ 175.00

North Half (N ½) of the Northwest Quarter (NW ¼)

Lot 110, Section 37, Highland Cemetery

Betty Russell

(1) Space \$ 175.00

South Half (S ½) of the Southwest Quarter (SW ¼)

Lot 66, Section 34, Highland Cemetery

William Blalock, Sr

(2) Spaces \$ 350.00

Northeast Quarter (NE ¼)

Lot 70, Section 34, Highland Cemetery

William Blalock, Sr

(2) Spaces \$ 350.00

Northwest Quarter (NW ¼)

Lot 70, Section 34, Highland Cemetery

Thomas W. McSwain Or Rachel McSwain

(2)Spaces \$ 350.00

Northwest Quarter (NW ¼)

Lot 54, Section 34, Highland Cemetery

To: CITY COUNCIL

From: Deborah Bourne, Assistant Division Manager of Cemeteries

Date: May 9, 2018

The following represents the grave spaces sold on May 9, 2018

Claudia Jackson

(1) Space \$ 175.00

North Half (N ½) of the Northwest Quarter (NW ¼)

Lot 41, Section 34, Highland Cemetery

To: CITY COUNCIL

From: Deborah Bourne, Assistant Division Manager of Cemeteries

Date: May 11, 2018

The following represents the grave spaces sold on May 11, 2018

David Sims

(1) Space \$ 150.00

East Half (E ½) of the Southwest Quarter (SW ¼)

Lot 97, Section 1, South Hill

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 04-30 2018

SOLD TO:

Mr. Mrs. Miss Sarah Chaney

ADDRESS 1002 Southeast Drive, Hattiesburg, MS 39402

Desires to purchase the grave space described below, subject to Cemetery regulations.

N $\frac{1}{2}$ SE $\frac{1}{4}$ Lot No. 84 Section No. 36 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00
cash

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Burns
Supt. of City Cemeteries

mail to:
6601 Graceland
Apt # 3
Slidell, LA
70460

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 04-27 2018

SOLD TO:

Mr. Mrs. Miss Terry Lee Bowie

ADDRESS 5752 Hwy 195 Hattiesburg, MS 39401

Desires to purchase the grave space described below, subject to Cemetery regulations.

N $\frac{1}{2}$ SE $\frac{1}{4}$ Lot No. 45 Section No. 35 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00
cash

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Burns
Supt. of City Cemeteries

mail to:
118 College DR.
#5185
Hattiesburg, MS 39406

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 05/01 2018

SOLD TO:

Mr. Mrs. Miss William Lloyd Luncford

ADDRESS 3806 Montague Blvd, Hattiesburg, MS 39401

Desires to purchase the grave space described below, subject to Cemetery regulations.

E $\frac{1}{2}$ NE $\frac{1}{4}$ Lot No. 140 Section No. 21 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Burns

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 04-30 2018

SOLD TO:

Mr. Mrs. Miss Larry Levenick

ADDRESS 622 New Orleans St. Hattiesburg, MS

39401

Desires to purchase the grave space described below, subject to Cemetery regulations.

S $\frac{1}{2}$ SE $\frac{1}{4}$ Lot No. 26 Section No. 34 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

CK # 12822

CITY OF HATTIESBURG, MISSISSIPPI

By John Ray Gulson
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 04-30 2018

SOLD TO:

Mr. Mrs. Miss Carolyn Welborn

ADDRESS 707 Curcatt St. Hattiesburg, MS

39401

Desires to purchase the grave space described below, subject to Cemetery regulations.

N $\frac{1}{2}$ SW $\frac{1}{4}$ Lot No. 38 Section No. 35 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

CK # 1013

CITY OF HATTIESBURG, MISSISSIPPI

By John Ray Gulson
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 04-30 2018

SOLD TO:

Mr. Mrs. Miss

Carolyn Welburn

ADDRESS

707 Cornacut St Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

S $\frac{1}{2}$ NW $\frac{1}{4}$ Lot No. 38 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

John Ray Wilson
Supt. of City Cemeteries

CK # 1003

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 04-27 2018

SOLD TO:

Mr. Mrs. Miss

Earnestine Lomzy

ADDRESS

3108 Fernway Dr. Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

S $\frac{1}{2}$ NE $\frac{1}{4}$ Lot No. 41 Section No. 28 in Highland Cemetery

Number of grave spaces

1

Price per grave space \$

175.00

Price Received \$

175.00

CITY OF HATTIESBURG, MISSISSIPPI

By

John Ray Wilson
Supt. of City Cemeteries

CK # 4013

MAIL TO:
P.O. Box 16994
Hattiesburg, MS 39401

CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES

Hattiesburg, Miss., 05-02 2018

SOLD TO:

Mr. Mrs. Miss Lois Wallace & Marvin Graham

ADDRESS 806 Duane Ave, Hattiesburg, MS 39401

Desires to purchase the grave space described below, subject to Cemetery regulations.

SE 1/2 Lot No. 64 Section No. 34 in Highland Cemetery

Number of grave spaces 2 Price per grave space \$ 175.00

Price Received \$ 350.00

CK # 1111

CITY OF HATTIESBURG, MISSISSIPPI

By James B. Bales
Supt. of City Cemeteries

Mail to:
15 Slade Rd
Purvis, MS 39475

CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES

Hattiesburg, Miss., 04/26/ 2018

SOLD TO:

Mr. Mrs. Miss Fernando Zepeda

ADDRESS 3401 W. 7th St. Hattiesburg, MS 39401

Desires to purchase the grave space described below, subject to Cemetery regulations.

N 1/2 NW 1/4 Lot No. 110 Section No. 37 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

CK # 1343

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah B. Bales
Supt. of City Cemeteries

CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES

Hattiesburg, Miss., 05-03 2018

SOLD TO:

Mr. Mrs. Miss Betty Russell

ADDRESS 447 William Carey Parkway Apt # 51 Hattiesburg, MS 39401

Desires to purchase the grave space described below, subject to Cemetery regulations.

S 1/2 SW 1/4 Lot No. 64 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 James B. Bales
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 05/03/ 20 18

SOLD TO:

Mr. Mrs. Miss William Blalock, SR

ADDRESS 897 Monroe Rd, Hattiesburg, MS 39401

Desires to purchase the grave space described below, subject to Cemetery regulations.

1/2 NE 1/4 Lot No. 70 Section No. 34 in Highland Cemetery

Space # 7,48
Number of grave spaces 2 Price per grave space \$ 175.00

Price Received \$ 350.00

CASH

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Boone
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 05/03/ 20 18

SOLD TO:

Mr. Mrs. Miss William Blalock, SR

ADDRESS 897 Monroe Rd, Hattiesburg, MS 39401

Desires to purchase the grave space described below, subject to Cemetery regulations.

1/2 NW 1/4 Lot No. 70 Section No. 34 in Highland Cemetery

Space # 3,14
Number of grave spaces 2 Price per grave space \$ 175.00

Price Received \$ 350.00

CASH

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Boone
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 05/04/ 20 18

SOLD TO:

Mr. Mrs. Miss Thomas W. Messwam OR Rachel Messwam

ADDRESS 2500 Glendale Ave Hattiesburg, MS 39401

Desires to purchase the grave space described below, subject to Cemetery regulations.

1/2 NW 1/4 Lot No. 54 Section No. 34 in Highland Cemetery

Space # 3,4
Number of grave spaces 2 Price per grave space \$ 175.00

Price Received \$ 350.00

AL 11718

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Boone

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 05-09 2018

SOLD TO:

Mr.. Mrs. Miss Claudia Jackson
ADDRESS 1622 New Orleans St. Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

N $\frac{1}{2}$ NW $\frac{1}{4}$ Lot No. 41 Section No. 34 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

cash

CITY OF HATTIESBURG, MISSISSIPPI

By D. My. Salser
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 05/10/2018

SOLD TO:

Mr.. Mrs. Miss David Sams

ADDRESS 807 Laura St, Apt # 201, Hattiesburg, MS. 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

E $\frac{1}{2}$ SW $\frac{1}{4}$ Lot No. 97 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 Deborah Banne
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 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 Sarah Chaney, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N½) of the Southeast Quarter (SE¼)

Lot 84

Section 36

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 22nd day of May, 2018.

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 22nd day of May, 2018.

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 Terry Lee Bouie, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N½) of the Southeast Quarter (SE¼)

Lot 45

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 22nd day of May, 2018.

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 22nd day of May, 2018.

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 William Lloyd Lunceford, 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 Northeast Quarter (NE¼)

Lot 140

Section 21

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 22nd day of May, 2018.

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 22nd day of May, 2018.

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 Larry Leverette, 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 26

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 22nd day of May, 2018.

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 22nd day of May, 2018.

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 Carolyn Welborn, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N½) of the Southwest Quarter (SW¼)

Lot 38

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 22nd day of May, 2018.

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 22nd day of May, 2018.

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 Carolyn Welborn, 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 Northwest Quarter (NW¼)

Lot 38

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 22nd day of May, 2018.

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 22nd day of May, 2018.

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 Earnestine Lumzy, 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 41

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 22nd day of May, 2018.

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 22nd day of May, 2018.

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, Lois Wallace & Marvin Graham, 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 (SE¼)

Lot Number 64

Section Number 34

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 22nd day May 2018.

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 22nd day of May, 2018

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/10 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 Fernando Zepeda, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N½) of the Northwest Quarter (NW¼)

Lot 110

Section 37

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 22nd day of May, 2018.

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 22nd day of May, 2018.

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 Betty Russell, 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 66

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 22nd day of May, 2018.

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 22nd day of May, 2018.

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, William Blalock, Sr., subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Northeast Quarter (NE¼)

Lot Number 70

Section Number 34

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 22nd day May 2018.

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 22nd day of May, 2018

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, William Blalock, Sr., subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Northwest Quarter (NW¼)

Lot Number 70

Section Number 34

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 22nd day May 2018.

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 22nd day of May, 2018

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, Thomas W. McSwain Or Rachel McSwain, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Northwest Quarter (NW¼)

Lot Number 54

Section Number 34

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 22nd day May 2018.

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 22nd day of May, 2018

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 Claudia Jackson, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N½) of the Northwest Quarter (NW¼)

Lot 41

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 22nd day of May, 2018.

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 Kernas 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 22nd day of May, 2018.

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 David Sims, 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 Southwest Quarter (SW¼)

Lot Number: 97

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 22nd day of May, 2018.

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 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 22nd day of May, 2018.

My Commission Expires:

NOTARY PUBLIC



City of Hattiesburg, MS

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

Master

File Number: 2018-468

File ID: 2018-468

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester:

File Created: 05/14/2018

Brief Title: Approve claims docket for the period ending
5/18/2018.

Final Action:

Minute Book Number: MB2018-135

Title:

Approve claims docket for the period ending May 18, 2018.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VII.-4

Sponsors:

Enactment Date:

Attachments: DOCKET 18.05-18

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	05/22/2018					

Text of Legislative File 2018-468

Title

Approve claims docket for the period ending May 18, 2018.

Summary

Approve claims docket for the period ending 5/18/2018.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

CITY OF HATTIESBURG

DOCKET OF CLAIMS

Date - 05/16/18

PERIOD ENDING MAY 18, 2018

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
GENERAL FUND							
00001 A & R FARM AND GARDEN	303948	00179572	17005447	TRAP RINGS BLUE LINE CHALLENG	05/18/18	263837	35.00-

A & R FARM AND GARDEN							
Sum							35.00-
00001 A A A AMBULANCE SERVICE	17-27423	BAD 00179185	17005083	SRV 5/8/17 BADON PRISONER	05/18/18	263838	297.49-
00001 A A A AMBULANCE SERVICE	18-15863	BAR 00179185	17005084	SRV 3/14/18 BARNES PRISONER	05/18/18	263838	302.58-
00001 A A A AMBULANCE SERVICE	18-14251	CLA 00179185	17005085	SRV 3/6/18 CLARK PRISONER	05/18/18	263838	302.58-
00001 A A A AMBULANCE SERVICE	17-4751	COOL 00179185	17005086	SRV 1/22/17 COOLEY PRISONER	05/18/18	263838	447.20-
00001 A A A AMBULANCE SERVICE	17-4203	DEAK 00179185	17005087	SRV 1/20/17 DEAKLES PRISONER	05/18/18	263838	434.40-
00001 A A A AMBULANCE SERVICE	18-9531	MCCA 00179185	17005088	SRV 2/12/18 MCCARTY PRISONER	05/18/18	263838	303.60-
00001 A A A AMBULANCE SERVICE	17-76402	PEC 00179185	17005089	SRV 12/22/17 PECANTY PRISONER	05/18/18	263838	259.63-

A A A AMBULANCE SERVICE							
Sum							2,347.48-
00001 ACUITY GROUP OF MISSISSI	11807	00179295	17005174	MONTHLY CONTRACT 5/18	05/18/18	263839	1,096.50-

ACUITY GROUP OF MISSISSI							
Sum							1,096.50-
00001 AGRI-AFC LLC	5444972	00178961	17005032	WEED KILLER FOR CEMETERIES	05/18/18	263842	571.00-

AGRI-AFC LLC							
Sum							571.00-
00001 AIDS SERVICE COALITION (	DAMAGE DEP R	02018568	17005394	DAMAGE DEPOSIT REFUND	05/18/18	263843	500.00-

AIDS SERVICE COALITION (							
Sum							500.00-
00001 AIRGAS USA LLC (NORDAN S	9952945918	00179364	17005237	MED OXYGEN BOTTLES FIRE DEPT	05/18/18	263844	254.65-
00001 AIRGAS USA LLC (NORDAN S	9952945919	00179364	17005238	MED OXYGEN BOTTLES FIRE DEPT	05/18/18	263844	30.80-
00001 AIRGAS USA LLC (NORDAN S	9952945918 4	00179545	17005383	CYLINDER RENT VARI DEPTS	05/18/18	263844	759.03-

AIRGAS USA LLC (NORDAN S							
Sum							1,044.48-
00001 ALLBRITTON CHAIN SAW & L	56098	00178999	17005033	POLE SAW REPR PTS U#19000 CEM	05/18/18	263845	63.70-
00001 ALLBRITTON CHAIN SAW & L	56277	00179176	17005108	LEAF BLOWER #6 FIRE STA	05/18/18	263845	45.50-
00001 ALLBRITTON CHAIN SAW & L	56134	00179068	17005159	AGRI EQUIP REPR PTS CEMETERY	05/18/18	263845	196.10-

ALLBRITTON CHAIN SAW & L							
Sum							305.30-
00001 AMERICAN STEEL LINE BUIL	39145	00179425	17005440	BLDG MATLS DD SANIT OFFICE	05/18/18	263848	27.18-

AMERICAN STEEL LINE BUIL							
Sum							27.18-
00001 ANDERSON RETAIL INC	124432	00179407	17005441	FLOORING DD SANIT OFFICE	05/18/18	263849	397.08-

ANDERSON RETAIL INC							

Sum							397.08-
00001 ANOINTED HANDS SERVICES, 5540	00179230	17005125	SERVS 5/18 EMP MED CLINIC	05/18/18	263850		280.00-
00001 ANOINTED HANDS SERVICES, 5563	00178476	17005445	STRIP/WAX DEPOT GRAND HALL	05/18/18	263850		2,295.00-

ANOINTED HANDS SERVICES,							
Sum							2,575.00-
00001 ARNOLD LINE WATER ASSN I 2145 4/20/18 00020188 17005065 SERV 3/20-4/20/18 #8 FIRE STA				05/18/18	263852		32.00-

ARNOLD LINE WATER ASSN I							
Sum							32.00-
00001 ASSN OF STATE FLOODPLAIN 2018 RENEWAL 00179470 17005355 RNWL APPL MITCHELL 2018				05/18/18	263854		80.00-

ASSN OF STATE FLOODPLAIN							
Sum							80.00-
00001 AT&T 601M31822200 02018536 17005064 SERV 4/23-5/33 POLICE DEPT				05/18/18	263855		413.50-
00001 AT&T 601M23905500 00020188 17005164 VEHICLE LOCATOR 4/28-5/27				05/18/18	263856		202.00-
00001 AT&T 601M81832700 02018563 17005351 MNTHLY SERV VARI DEPTS				05/18/18	263857		13,581.30-

AT&T							
Sum							14,196.80-
00001 AT&T CAPITAL SERVICES 3036599 00179569 17005399 INTERACT PUB SAFETY SOFTWARE				05/18/18	263858		12,556.56-

AT&T CAPITAL SERVICES							
Sum							12,556.56-
00001 AT&T LONG DISTANCE SERVI 0268908616 02018551 17005216 MNTHLY SERV 5/18 GG INS				05/18/18	263859		206.37-

AT&T LONG DISTANCE SERVI							
Sum							206.37-
00001 AT&T MOBILITY 287273578351 00179554 17005397 WIRELESS SERV 4/18 VARI DEPTS				05/18/18	263860		8,632.17-
00001 AT&T MOBILITY 287273861504 00179644 17005450 GPS TRACKING 4/18 VARI DEPTS				05/18/18	263860		4,173.48-

AT&T MOBILITY							
Sum							12,805.65-
00001 AUTO ARMATURE SERVICE IN 12072 00179138 17005005 BATTERY U#18205 POLICE				05/18/18	263861		160.95-
00001 AUTO ARMATURE SERVICE IN 12075 00179096 17005017 ALTERNATOR U#16008 PUB WORKS				05/18/18	263861		229.95-
00001 AUTO ARMATURE SERVICE IN 12139 00179198 17005147 BATTERY U#9605 SHOP				05/18/18	263861		136.95-
00001 AUTO ARMATURE SERVICE IN 12103 00179382 17005230 BATTERY U#18319 POLICE				05/18/18	263861		160.95-
00001 AUTO ARMATURE SERVICE IN 12237 00179528 17005371 BATTERY U#18330 POLICE				05/18/18	263861		160.95-

AUTO ARMATURE SERVICE IN							
Sum							849.75-
00001 AUTO TRIM 9644 00176964 17005152 GRAPHICS JEEP U#14145 SANIT				05/18/18	263862		495.00-
00001 AUTO TRIM 9590 00176964 17005153 GRAPHICS JEEP U#14145 SANIT				05/18/18	263862		495.00-
00001 AUTO TRIM 9551 00176964 17005154 MAGNETICS U#20596 SANIT				05/18/18	263862		1,180.00-
00001 AUTO TRIM 9644 (B) 00179271 17005155 ADDL AMT DUE PO#176964				05/18/18	263862		95.00-

AUTO TRIM							
Sum							2,265.00-
00001 AUTOMOTIVE GLASS SPECIAL I222083 00178736 17005071 WINDOW REG U#16414 POLICE				05/18/18	263863		277.53-
00001 AUTOMOTIVE GLASS SPECIAL I222084 00178736 17005072 WINDOW SWITCH U#17783 POLICE				05/18/18	263863		435.83-
00001 AUTOMOTIVE GLASS SPECIAL I221910 00178450 17005099 REPR WINDSHIELD U#14676 SHOP				05/18/18	263863		50.00-

AUTOMOTIVE GLASS SPECIAL

Sum							763.36-
00001 BARNEY'S OF GULFPORT	28284	00179396 17005370 MOURNING BANDS POLICE	05/18/18	263865			32.70-

BARNEY'S OF GULFPORT

Sum							32.70-
00001 BENECOM TECHNOLOGIES INC	224708	00179278 17005122 AS400 BLOCK TIME INFO TECH	05/18/18	263866			1,650.00-
00001 BENECOM TECHNOLOGIES INC	224685	00177683 17005324 AS400 RPLCMNT PTS POLICE DEPT	05/18/18	263866			521.50-

BENECOM TECHNOLOGIES INC

Sum							2,171.50-
00001 BIG IRON DIESEL REPAIR L	RO2627	00179167 17005439 REPRS U#9804 SHOP	05/18/18	263868			1,137.53-

BIG IRON DIESEL REPAIR L

Sum							1,137.53-
00001 BLOSSMAN GAS INC	3960302	00179321 17005242 PROPANE U#20067 PUBLIC WORKS	05/18/18	263870			39.00-

BLOSSMAN GAS INC

Sum							39.00-
00001 BOAM	REG MITCHELL	00179117 17005016 REG MITCHELL CNF BAY S LOUIS	05/18/18	263872			125.00-

BOAM

Sum							125.00-
00001 BOURNE BROTHERS PRINTING	64975	00179110 17005082 BLANK INSPECTION FORMS FIRE	05/18/18	263876			135.00-

BOURNE BROTHERS PRINTING

Sum							135.00-
00001 BRACKMAN MOWER WAREHOUSE	38072	00179367 17005255 REPR PTS U#19005 CEMETERY	05/18/18	263879			35.50-

BRACKMAN MOWER WAREHOUSE

Sum							35.50-
00001 BRADY PUBLISHING	BK 88792590	00178526 17005077 PROMO STUDY BOOKS FIRE DEPT	05/18/18	263881			1,035.78-

BRADY PUBLISHING

Sum							1,035.78-
00001 BUNKER GEAR SPECIALISTS	32423	00178794 17005310 FIREFIGHTERS HELMET BADGES	05/18/18	263884			80.06-

BUNKER GEAR SPECIALISTS

Sum							80.06-
00001 C R C PRESS LLC	TI-091999(A)	00179164 17005341 FIRE INSPECTORS BOOK	05/18/18	263887			75.16-
00001 C R C PRESS LLC	TI-091999(B)	00179196 17005342 ADDL AMT DUE PO#179164	05/18/18	263887			18.79-

C R C PRESS LLC

Sum							93.95-
00001 C SPIRE (MEGAGATE)	1226646	00179257 17005123 INTERNET/NETWORK 4/18 CITY	05/18/18	263888			15,121.99-
00001 C SPIRE (MEGAGATE)	CSBS-683013	00179435 17005323 NETWORK/INTERNET INFO TECH	05/18/18	263888			15,126.27-

C SPIRE (MEGAGATE)

Sum							30,248.26-
00001 CANON SOLUTIONS AMERICA	4025849106	00179415 17005257 COPIER 5/18 PURCHSING/ACCTG	05/18/18	263891			25.97-

CANON SOLUTIONS AMERICA

Sum																25.97-
00001	CARQUEST	AUTO	PARTS	STOR	14758-107743	00178911	17005020	REPR	PTS	VARI	UNITS/SHOP	STK	05/18/18	263893		236.71-
00001	CARQUEST	AUTO	PARTS	STOR	14758-106318	00178181	17005098	REPR	PTS	U#16083	PUB	WORKS	05/18/18	263893		262.86-
00001	CARQUEST	AUTO	PARTS	STOR	14758-108198	00179157	17005160	BATTERY	U#20199	CEMETERY			05/18/18	263893		148.49-
00001	CARQUEST	AUTO	PARTS	STOR	14758-108259	00179163	17005161	OIL/AIR	FILTERS	CEMETERY	SHOP		05/18/18	263893		248.17-
00001	CARQUEST	AUTO	PARTS	STOR	14758-107732	00178888	17005192	REPR	PTS	VARI	POLICE	UNITS	05/18/18	263893		923.05-
00001	CARQUEST	AUTO	PARTS	STOR	14758-108667	00179049	17005231	REPR	PTS	POLICE	UNITS/STOCK		05/18/18	263893		531.91-
00001	CARQUEST	AUTO	PARTS	STOR	14758-108665	00179266	17005232	REPR	PTS	U#18333	POLICE		05/18/18	263893		154.69-
00001	CARQUEST	AUTO	PARTS	STOR	14758-108731	00176375	17005252	REPR	PTS	VARI	POLICE	UNITS	05/18/18	263893		489.22-
00001	CARQUEST	AUTO	PARTS	STOR	14758-108549	00179307	17005345	WINDOW	REGULATOR	U#16966	P/W		05/18/18	263893		103.19-

CARQUEST AUTO PARTS STOR

Sum																3,098.29-
00001	CERTIFIED	LABORATORIES			3116110	00179174	17005243	DEGREASER	PUBLIC	WORKS			05/18/18	263899		1,954.70-

CERTIFIED LABORATORIES

Sum																1,954.70-
00001	CINTAS	CORPORATION	#J66	J66578585		00179130	17004995	UNIFORMS	4/04	GEORGE	T	DEPOT	05/18/18	263905		4.95-
00001	CINTAS	CORPORATION	#J66	J66579835		00179130	17004996	UNIFORMS	4/11	GEORGE	T	DEPOT	05/18/18	263905		4.95-
00001	CINTAS	CORPORATION	#J66	J66581091		00179130	17004997	UNIFORMS	4/18	GEORGE	T	DEPOT	05/18/18	263905		4.95-
00001	CINTAS	CORPORATION	#J66	J66582338		00179130	17004998	UNIFORMS	4/25	GEORGE	T	DEPOT	05/18/18	263905		4.95-
00001	CINTAS	CORPORATION	#J66	J66583089		00179169	17005024	MOP/MAT	4/30	GO&FS			05/18/18	263905		24.96-
00001	CINTAS	CORPORATION	#J66	J66583090		00179169	17005025	MOP/MAT	4/30	SANIT			05/18/18	263905		24.04-
00001	CINTAS	CORPORATION	#J66	J66583087		00179166	17005036	UNIFORMS	4/30	PUBLIC	WORKS		05/18/18	263905		78.32-
00001	CINTAS	CORPORATION	#J66	J66583081		00179166	17005037	UNIFORMS	4/30	PUBLIC	WORKS		05/18/18	263905		10.00-
00001	CINTAS	CORPORATION	#J66	J66583084		00179166	17005038	UNIFORMS	4/30	PUBLIC	WORKS		05/18/18	263905		35.66-
00001	CINTAS	CORPORATION	#J66	J66583086		00179166	17005039	UNIFORMS	4/30	SHOP			05/18/18	263905		44.71-
00001	CINTAS	CORPORATION	#J66	J66583083		00179166	17005040	UNIFORMS	4/30	SHOP			05/18/18	263905		156.17-
00001	CINTAS	CORPORATION	#J66	J66583085		00179166	17005041	UNIFORMS	4/30	SANIT			05/18/18	263905		154.94-
00001	CINTAS	CORPORATION	#J66	J66579061		00179132	17005048	UNIFORMS	4/06	CEM/FORESTRY			05/18/18	263905		64.14-
00001	CINTAS	CORPORATION	#J66	J66580316		00179132	17005049	UNIFORMS	4/13	CEM/FORESTRY			05/18/18	263905		62.14-
00001	CINTAS	CORPORATION	#J66	J66581570		00179132	17005051	UNIFORMS	4/20	CEM/FORESTRY			05/18/18	263905		61.95-
00001	CINTAS	CORPORATION	#J66	J66582827		00179132	17005052	UNIFORMS	4/27	CEM/FORESTRY			05/18/18	263905		59.77-
00001	CINTAS	CORPORATION	#J66	J66579062		00179132	17005053	MOP/MAT	4/06	CEM/FORESTRY			05/18/18	263905		9.10-
00001	CINTAS	CORPORATION	#J66	J66580317		00179132	17005054	MOP/MAT	4/13	CEM/FORESTRY			05/18/18	263905		15.70-
00001	CINTAS	CORPORATION	#J66	J66581571		00179132	17005056	MOP/MAT	4/20	CEM/FORESTRY			05/18/18	263905		15.70-
00001	CINTAS	CORPORATION	#J66	J66582828		00179132	17005057	MOP/MAT	4/27	CEM/FORESTRY			05/18/18	263905		15.70-
00001	CINTAS	CORPORATION	#J66	J66583091		00179200	17005095	MOP/MAT	4/20	TRAFFIC			05/18/18	263905		7.90-
00001	CINTAS	CORPORATION	#J66	J66583082		00179181	17005101	UNIFORMS	4/30	CONSTR			05/18/18	263905		77.83-
00001	CINTAS	CORPORATION	#J66	J66584354		00179352	17005241	MOP/MAT	5/07	TRAFFIC			05/18/18	263905		7.90-
00001	CINTAS	CORPORATION	#J66	J66584345		00179378	17005246	UNIFORMS	5/07	CONSTR			05/18/18	263905		73.83-
00001	CINTAS	CORPORATION	#J66	J66584350		00179387	17005268	UNIFORMS	5/07	PUBLIC	WORKS		05/18/18	263905		81.32-
00001	CINTAS	CORPORATION	#J66	J66584344		00179387	17005269	UNIFORMS	5/07	PUBLIC	WORKS		05/18/18	263905		10.00-
00001	CINTAS	CORPORATION	#J66	J66584347		00179387	17005270	UNIFORMS	5/07	PUBLIC	WORKS		05/18/18	263905		35.66-
00001	CINTAS	CORPORATION	#J66	J66584349		00179387	17005271	UNIFORMS	5/07	SHOP			05/18/18	263905		44.71-
00001	CINTAS	CORPORATION	#J66	J66584348		00179387	17005272	UNIFORMS	5/07	SHOP			05/18/18	263905		154.94-
00001	CINTAS	CORPORATION	#J66	J66584346		00179387	17005273	UNIFORMS	5/07	SANIT			05/18/18	263905		156.17-
00001	CINTAS	CORPORATION	#J66	J66584352		00179388	17005274	MOP/MAT	5/07	GO&FS			05/18/18	263905		24.96-
00001	CINTAS	CORPORATION	#J66	J66584353		00179388	17005275	MOP/MAT	5/07	SANIT			05/18/18	263905		24.04-
00001	CINTAS	CORPORATION	#J66	J66585621		00179548	17005387	UNIFORMS	5/14	CONSTR			05/18/18	263905		73.43-
00001	CINTAS	CORPORATION	#J66	J66585626		00179551	17005404	UNIFORMS	5/14	PUBLIC	WORKS		05/18/18	263905		81.72-
00001	CINTAS	CORPORATION	#J66	J66585620		00179551	17005405	UNIFORMS	5/14	PUBLIC	WORKS		05/18/18	263905		10.00-

00001 CINTAS CORPORATION #J66	J66585623	00179551 17005406	UNIFORMS 5/14 PUBLIC WORKS	05/18/18	263905	35.66-
00001 CINTAS CORPORATION #J66	J66585625	00179551 17005407	UNIFORMS 5/14 SHOP	05/18/18	263905	39.93-
00001 CINTAS CORPORATION #J66	J66585622	00179551 17005408	UNIFORMS 5/14 SANIT	05/18/18	263905	156.17-
00001 CINTAS CORPORATION #J66	J66585624	00179551 17005409	UNIFORMS 5/14 SANIT	05/18/18	263905	184.94-
00001 CINTAS CORPORATION #J66	J66585628	00179555 17005412	MOP/MAT 5/14 GO&FS	05/18/18	263905	24.96-
00001 CINTAS CORPORATION #J66	J66585629	00179555 17005413	MOP/MAT 5/14 SANIT	05/18/18	263905	24.04-

CINTAS CORPORATION #J66						
Sum						2,182.91-
00001 CITY OF HATTIESBURG FUND TRF 1ST 5/18	02018559 17005219	TRF 1ST 5/18 PAYROLL		05/09/18	112717	1,095,933.63-

CITY OF HATTIESBURG FUND						
Sum						1,095,933.63-
00001 CITY OF HATTIESBURG FUND TEMPORARY LO	02018547 17005118	TEMPORARY LOAN 5/18		05/03/18	112712	50,000.00-

CITY OF HATTIESBURG FUND						
Sum						50,000.00-
00001 CLEMTS HARDWARE	120464	00179268 17005150	PITCH FORKS SANIT DEPT	05/18/18	263907	65.98-
00001 CLEMTS HARDWARE	PO#179427 5/	00179427 17005340	WATER COOLER P/F ACADEMY	05/18/18	263907	63.99-

CLEMTS HARDWARE						
Sum						129.97-
00001 COMCAST CABLEVISION OF H	839641073073	00179252 17005142	CABLE 5/18 TRAFFIC/CONSTR	05/18/18	263909	6.27-
00001 COMCAST CABLEVISION OF H	839641073092	00179314 17005194	CONVERTER BOX 5/18 POLICE	05/18/18	263910	243.46-
00001 COMCAST CABLEVISION OF H	839641073047	00179389 17005262	CABLE/INET 4/30-5/29 CLINIC	05/18/18	263911	152.39-

COMCAST CABLEVISION OF H						
Sum						402.12-
00001 COMMERCIAL STATIONERY CO	410533-0	00177760 17005075	PROJECT FOLDERS P/F ACADEMY	05/18/18	263912	79.18-
00001 COMMERCIAL STATIONERY CO	412131-0	00179051 17005076	SUPP RECRUIT CLASS	05/18/18	263912	102.74-

COMMERCIAL STATIONERY CO						
Sum						181.92-
00001 COMPLETE ENVIRONMENTAL &	9063	00179133 17005030	TRANSPORTATION/DISPOSAL FEES	05/18/18	263914	90,914.87-

COMPLETE ENVIRONMENTAL &						
Sum						90,914.87-
00001 COMPREHENSIVE RADIOLOGY	ICRS68436 BA	00179186 17005090	SRV 4/13/18 BAKER PRISONER	05/18/18	263915	475.00-
00001 COMPREHENSIVE RADIOLOGY	ICRS224988 J	00179285 17005177	SERV 4/3/18 JACKSON PRISONER	05/18/18	263915	40.00-
00001 COMPREHENSIVE RADIOLOGY	ICRS92284 LA	00179285 17005178	SERV 4/10/18 LAMB PRISONER	05/18/18	263915	425.00-

COMPREHENSIVE RADIOLOGY						
Sum						940.00-
00001 COURT PROGRAMS INC	INVOICE #44	00179299 17005169	ANKLE MONITORING 4/18	05/18/18	263917	7,810.00-

COURT PROGRAMS INC						
Sum						7,810.00-
00001 COURTESY MOTORS INC	476074	00179236 17005149	REPR PTS U#11469 CONSTR	05/18/18	263918	92.91-

COURTESY MOTORS INC						
Sum						92.91-
00001 COURTNEY'S RESTAURANT EQ	12027	00179067 17005141	SERV ICE MACHINES VARI STA	05/18/18	263919	1,663.31-

00001 COURTNEY'S RESTAURANT EQ 12040	00179260 17005343 ICE MAKER REPR #7 FIRE STA	05/18/18	263919	422.48-

COURTNEY'S RESTAURANT EQ				
Sum				2,085.79-
00001 COVERT TRACK GROUP, INC 7206	00179366 17005228 SUBSCRIPT RNWL MAPPING PROD	05/18/18	263920	1,200.00-

COVERT TRACK GROUP, INC				
Sum				1,200.00-
00001 COVINGTON SALES & SERVIC 79305	00179016 17005028 REPR PTS U#18907 SNAIT	05/18/18	263921	143.04-
00001 COVINGTON SALES & SERVIC 79452	00178496 17005384 REPR PTS U#20503 STREET	05/18/18	263921	1,070.00-

COVINGTON SALES & SERVIC				
Sum				1,213.04-
00001 D P S CRIME LAB 90067829	00179376 17005233 ANALYTICAL FEES	05/18/18	263926	780.00-

D P S CRIME LAB				
Sum				780.00-
00001 DEGRUMMOND CHILDREN LIT DAMAGE DEP R 02018568	17005395 DAMAGE DEPOSIT REFUND	05/18/18	263928	500.00-

DEGRUMMOND CHILDREN LIT				
Sum				500.00-
00001 DELTA FOREMOST CHEMICAL 127696	00179143 17005333 AEROSOL SPRAY POLICE SHOP	05/18/18	263929	490.00-

DELTA FOREMOST CHEMICAL				
Sum				490.00-
00001 ECONOMY SUPPLY CO 294768	00178843 17005358 PORTLAND CEMENT DRAINAGE DEPT	05/18/18	263934	906.50-
00001 ECONOMY SUPPLY CO 295099	00179424 17005386 BLDG MATLS A/C BOX CONSTR	05/18/18	263934	14.00-

ECONOMY SUPPLY CO				
Sum				920.50-
00001 EDA UNIVERSITY CENTER INVOICE #001	00179275 17005138 REG RIGSBY FTO CLASS 5/21-25	05/18/18	263935	425.00-

EDA UNIVERSITY CENTER				
Sum				425.00-
00001 ELKINS WHOLESALE INC 342986	00178325 17005078 JANIT SUPP FIRE DEPT	05/18/18	263936	491.07-
00001 ELKINS WHOLESALE INC 342986-01	00178325 17005079 JANIT SUPP FIRE DEPT	05/18/18	263936	149.95-
00001 ELKINS WHOLESALE INC 342986-02	00178325 17005080 JANIT SUPP FIRE DEPT	05/18/18	263936	50.40-
00001 ELKINS WHOLESALE INC 344288	00178618 17005081 TRUCK WASH DETERGENT FIRE DEP	05/18/18	263936	668.30-

ELKINS WHOLESALE INC				
Sum				1,359.72-
00001 EMERGENCY EQUIPMENT PROF 434043	00178519 17005010 EMER AIR SUPPLY P/F ACADEMY	05/18/18	263937	2,691.76-
00001 EMERGENCY EQUIPMENT PROF 434019	00179040 17005012 REPR PTS U#13932 FIRE DEPT	05/18/18	263937	1,374.54-

EMERGENCY EQUIPMENT PROF				
Sum				4,066.30-
00001 EMPIRE TRUCK SALES (H'BU CE006135266:	00178912 17005029 REPR PTS U#20072/20074 SANIT	05/18/18	263939	78.18-
00001 EMPIRE TRUCK SALES (H'BU CE006135870:	00179207 17005203 REPR PTS U#20070 SANIT	05/18/18	263939	471.70-
00001 EMPIRE TRUCK SALES (H'BU CE006135902:	00179232 17005204 REPR PTS VARI SANIT UNITS	05/18/18	263939	1,565.00-

EMPIRE TRUCK SALES (H'BU				
Sum				2,114.88-

00001 FASTENAL COMPANY	MSHAT208379	00178723	17005145	RAKES/SHOVELS/SCRAPERS	05/18/18	263943	317.70-
00001 FASTENAL COMPANY	MSHAT208637	00179261	17005267	JANIT SUPP TRAFFIC/CONSTR	05/18/18	263943	381.33-

FASTENAL COMPANY							
Sum							699.03-
00001 FIREFIGHTERS BOOKSTORE	INV178763	00178525	17005176	FIRE PROMO STUDY GUIDES	05/18/18	263946	1,275.09-

FIREFIGHTERS BOOKSTORE							
Sum							1,275.09-
00001 FORREST CTY SOIL & WATER 1ST INSTLMNT		00179590	17005411	1ST INSTLMNT 2018 SUPPORT	05/18/18	263947	22,500.00-

FORREST CTY SOIL & WATER							
Sum							22,500.00-
00001 FORREST GENERAL HOSPITAL	H90093010000	00179192	17005091	SRV 4/22/18 WILLIAMS PRISONER	05/18/18	263948	1,832.10-

FORREST GENERAL HOSPITAL							
Sum							1,832.10-
00001 FORREST GENERAL HOSPITAL	EAP CHARGE 5	00179149	17005002	EAP CHARGE 5/18	05/18/18	263949	1,785.00-

FORREST GENERAL HOSPITAL							
Sum							1,785.00-
00001 FRAMES AND PANES	3991	00179325	17005195	PHOTO RECRUIT CLASS 34 ACDMY	05/18/18	263950	135.40-

FRAMES AND PANES							
Sum							135.40-
00001 FUELMAN OF MS	BG127044 NP5	00179215	17005069	FUEL CHGS 4/16-22/18 POLICE	05/18/18	263951	85.50-
00001 FUELMAN OF MS	BG127044 NP5	00179372	17005236	FUEL CHGS 4/23-29/18 FIRE DEP	05/18/18	263951	68.38-

FUELMAN OF MS							
Sum							153.88-
00001 FV RECYCLING	2018-12226B	00179134	17005042	RECYCLE FEES 4/18 SANIT	05/18/18	263953	74.00-
00001 FV RECYCLING	2018-12225B	00179134	17005043	RECYCLE FEES 4/18 SANIT	05/18/18	263953	40.50-
00001 FV RECYCLING	2018-12296	00179134	17005044	RECYCLE FEES 4/18 SANIT	05/18/18	263953	21.50-
00001 FV RECYCLING	2018-12305	00179134	17005045	RECYCLE FEES 4/18 SANIT	05/18/18	263953	78.25-
00001 FV RECYCLING	2018-12315	00179134	17005046	RECYCLE FEES 4/18 SANIT	05/18/18	263953	16.00-
00001 FV RECYCLING	2018-12346	00179134	17005047	RECYCLE FEES 4/18 SANIT	05/18/18	263953	35.00-
00001 FV RECYCLING	2018-12358	00179324	17005207	RECYCLE FEE 04/18 SANIT DEPT	05/18/18	263953	19.25-
00001 FV RECYCLING	2018-12357	00179324	17005208	RECYCLE FEES 04/18 SANIT DEPT	05/18/18	263953	104.00-
00001 FV RECYCLING	2018-12411	00179324	17005209	RECYCLE FEES 05/18 SANIT DEPT	05/18/18	263953	21.75-
00001 FV RECYCLING	2018-12418	00179324	17005210	RECYCLE FEES 05/18 SANIT DEPT	05/18/18	263953	43.25-
00001 FV RECYCLING	2018-12419	00179324	17005211	RECYCLE FEES 05/18 SANIT DEPT	05/18/18	263953	45.75-
00001 FV RECYCLING	2018-12365	00179324	17005212	RECYCLE FEES 04/18 SANIT DEPT	05/18/18	263953	22.00-
00001 FV RECYCLING	2018-12420	00179324	17005213	RECYCLE FEES 05/18 SANIT DEPT	05/18/18	263953	24.75-
00001 FV RECYCLING	2018-12421	00179324	17005214	RECYCLE FEES 05/18 SANIT DEPT	05/18/18	263953	73.00-
00001 FV RECYCLING	2018-12430	00179556	17005414	RECYCLE FEES 5/18 SANIT	05/18/18	263953	17.75-
00001 FV RECYCLING	2018-12446	00179556	17005415	RECYCLE FEES 5/18 SANIT	05/18/18	263953	11.50-
00001 FV RECYCLING	2018-12464	00179556	17005416	RECYCLE FEES 5/18 SANIT	05/18/18	263953	39.75-
00001 FV RECYCLING	2018-12463	00179556	17005417	RECYCLE FEES 5/18 SANIT	05/18/18	263953	46.75-
00001 FV RECYCLING	2018-12499	00179556	17005418	RECYCLE FEES 5/18 SANIT	05/18/18	263953	24.50-
00001 FV RECYCLING	2018-12481	00179556	17005419	RECYCLE FEES 5/18 SANIT	05/18/18	263953	19.75-
00001 FV RECYCLING	2018-12478	00179556	17005420	RECYCLE FEES 5/18 SANIT	05/18/18	263953	55.00-

FV RECYCLING

Sum							834.00-
00001	GARNER LUMLEY ELECTRIC S	548535	00178482	17005097	REPR PTS U#14265	PUB WORKS	05/18/18 263954 473.44-

GARNER LUMLEY ELECTRIC S							
Sum							473.44-
00001	GARY'S SMALL ENGINE REPA	PO#179108 4/	00179108	17005009	MOWER BLADES	P/F ACADEMY	05/18/18 263956 49.98-

GARY'S SMALL ENGINE REPA							
Sum							49.98-
00001	GILLILANDS ELECTRONICS S	66572	00179440	17005346	CHANGE PUB WORKS	PHONE SYSTEM	05/18/18 263960 839.29-
00001	GILLILANDS ELECTRONICS S	66421	00179471	17005353	SERV FIRE ALARM	SYS TRAIN DPO	05/18/18 263960 75.00-

GILLILANDS ELECTRONICS S							
Sum							914.29-
00001	GLADDEN LAW OFFICE PLLC	0186	00179498	17005328	SERVS 5/18	ADV CLINT BRELAND	05/18/18 263961 893.25-
00001	GLADDEN LAW OFFICE PLLC	0187	00179498	17005329	SRVS 5/18	SHARON MARK VS CITY	05/18/18 263961 1,482.75-

GLADDEN LAW OFFICE PLLC							
Sum							2,376.00-
00001	GLOBAL SECURITY COMPANY	10196	02018566	17005390	SECURITY DETAIL	05/18/18	05/18/18 263962 57.75-
00001	GLOBAL SECURITY COMPANY	10211	02018566	17005391	SECURITY DETAIL	05/18/18	05/18/18 263962 134.75-

GLOBAL SECURITY COMPANY							
Sum							192.50-
00001	GO YOUNG FASHIONS	8751	00178921	17005070	CLOTH ALLOW	CHIEF PARKER	05/18/18 263963 500.00-

GO YOUNG FASHIONS							
Sum							500.00-
00001	GOPALAN, HEMA	TRAV ADVANCE	00179124	17004999	TRAV ADV	ESRI CONF SAN DIEGO	05/18/18 263965 1,438.00-

GOPALAN, HEMA							
Sum							1,438.00-
00001	GROVER BROS RESTAURANT &	996 PO#17849	00178497	17005265	FOOD WARMING	PANS P/F ACADEMY	05/18/18 263972 65.25-

GROVER BROS RESTAURANT &							
Sum							65.25-
00001	H'BURG CLINIC PA (ACCT#2	ACCT#1028000	00179290	17005175	PSY TESTS	CONLEY/SUBLETT	05/18/18 263975 550.00-
00001	H'BURG CLINIC PA (ACCT#2	1028000103 5	00179436	17005334	PSY EVALUATION	FOR LATERALS	05/18/18 263975 6,700.00-

H'BURG CLINIC PA (ACCT#2							
Sum							7,250.00-
00001	H'BURG CLINIC PA (PRISON	1109265090 B	00179189	17005092	SRV 3/15/18	BARNES PRISONER	05/18/18 263974 15.00-
00001	H'BURG CLINIC PA (PRISON	1109265090 B	00179189	17005093	SRV 3/16/18	BARNES PRISONER	05/18/18 263974 90.00-

H'BURG CLINIC PA (PRISON							
Sum							105.00-
00001	H'BURG COCA COLA BOTTLIN	1097224863	00179069	17005158	POWERADE CEM/FORESTRY	CREWS	05/18/18 263976 160.00-

H'BURG COCA COLA BOTTLIN							
Sum							160.00-
00001	H'BURG DOWNTOWN ASSN	2018 STRATEG	00179113	17005031	PARTNERSHIP	RENEWAL FEE	05/18/18 263977 55,000.00-

H'BURG DOWNTOWN ASSN								
Sum								
00001	HATTIESBURG AMERICAN-ACC	6409979	00179462	17005338	POLICE RECRUIT ADS	05/18/18	263973	55,000.00-
								343.15-

HATTIESBURG AMERICAN-ACC								
Sum								
00001	HATTIESBURG HYDRAULICS I	73775	00179022	17005019	REPRS U#15515 PUB WORKS	05/18/18	263981	343.15-
00001	HATTIESBURG HYDRAULICS I	73814	00179098	17005021	REPR PTS SHOP STOCK	05/18/18	263981	279.58-
00001	HATTIESBURG HYDRAULICS I	73823	00179098	17005022	REPR PTS U#18864 SHOP	05/18/18	263981	20.82-
00001	HATTIESBURG HYDRAULICS I	73815	00179098	17005023	REPR PTS U#15893 SANIT	05/18/18	263981	7.90-
00001	HATTIESBURG HYDRAULICS I	74017	00179392	17005276	REPR PTS U#16010 CEMETERY	05/18/18	263981	107.90-
00001	HATTIESBURG HYDRAULICS I	74080	00179541	17005382	PAINT MACHINE HOSES TRAFFIC	05/18/18	263981	436.58-
								73.92-

HATTIESBURG HYDRAULICS I								
Sum								
00001	HATTIESBURG POLICE DEPAR	04/20/18	02018567	17005392	SECURITY DETAIL 05/18/18	05/18/18	263982	926.70-
								128.00-

HATTIESBURG POLICE DEPAR								
Sum								
00001	HATTIESBURG POLICEMEN'S	5/9/2018	02018558	17005250	REDIRECT PYMT FOR HPBF	05/18/18	263983	128.00-
								300.00-

HATTIESBURG POLICEMEN'S								
Sum								
00001	HEADSETS DIRECT INC	56811	00179180	17005229	HEADSETS FOR DISPATCH	05/18/18	263986	300.00-
00001	HEADSETS DIRECT INC	55479	00178031	17005251	HEADSETS FOR DISPATCH	05/18/18	263986	660.95-
								670.00-

HEADSETS DIRECT INC								
Sum								
00001	HICKS LAW FIRM, LLC	8598	00179350	17005225	SERVS PLAAS INC VS CITY	05/18/18	263988	1,330.95-
00001	HICKS LAW FIRM, LLC	8607	00179350	17005226	SERVS SALIBA/PIERCE VS CITY	05/18/18	263988	600.00-
								2,220.00-

HICKS LAW FIRM, LLC								
Sum								
00001	HOBGOOD, GRANT	TRAV ADVANCE	00179123	17005000	TRAV ADV ESRI CONF SAN DIEGO	05/18/18	263989	2,820.00-
								1,438.00-

HOBGOOD, GRANT								
Sum								
00001	HOL-MAC CORPORATION	347490	00179194	17005156	REPRS U#15892 SANIT	05/18/18	263991	1,438.00-
								591.53-

HOL-MAC CORPORATION								
Sum								
00001	HOLLAND VETERINARY HOSPI	ACCT# 85 978	00179316	17005193	SERVS VOO DOO POLICE K-9	05/18/18	263992	591.53-
00001	HOLLAND VETERINARY HOSPI	8681	00178297	17005312	K9 FOOD FOR RIEK POLICE DEPT	05/18/18	263992	396.60-
00001	HOLLAND VETERINARY HOSPI	9416	00178923	17005313	K9 FOOD FOR RIEK POLICE DEPT	05/18/18	263992	86.50-
00001	HOLLAND VETERINARY HOSPI	10063A	00179029	17005314	K9 FOOD POLICE DEPT	05/18/18	263992	81.50-
00001	HOLLAND VETERINARY HOSPI	10063B	00179442	17005315	MEDS FOR K9 OTTER POLICE DEPT	05/18/18	263992	670.86-
								12.60-

HOLLAND VETERINARY HOSPI								
Sum								
00001	HOLLYWOOD CASINO GULF CO	YRMMG MITCHE	00179118	17005014	HOTEL MITCHELL BOAM CONF	05/18/18	263993	1,248.06-
								694.95-

HOLLYWOOD CASINO GULF CO

Sum							694.95-
00001	HOOK-FAST SPECIALTIES IN	330249	00178796	17005354	NEW FIREFIGHTER NAME TAGS	05/18/18	263994 41.07-
00001	HOOK-FAST SPECIALTIES IN	330251	00178903	17005429	NEW FIREFIGHTER NAME TAG	05/18/18	263994 9.29-

HOOK-FAST SPECIALTIES IN

Sum							50.36-
00001	HOWARD COMPUTERS INC	18-00331180	00176315	17005332	M/C PRINTER THERMAL PAPER	05/18/18	263996 4,500.00-

HOWARD COMPUTERS INC

Sum							4,500.00-
00001	HUB CITY SPOKES	81779	00179538	17005362	CITY WIDE ADS AND NOTICES	05/18/18	263997 121.08-

HUB CITY SPOKES

Sum							121.08-
00001	HUGHES SUPPLY	S152722412.0	00178925	17005100	BLDG MATLS YOUTH ART MUSEUM	05/18/18	263998 35.36-
00001	HUGHES SUPPLY	S152292365.0	00178930	17005146	AIR CONDITIONER FOR P/W SHOP	05/18/18	263998 4,661.47-
00001	HUGHES SUPPLY	S152835847.0	00179264	17005401	A/C SUPP POLICE SUBSTA DEPOT	05/18/18	263998 84.41-

HUGHES SUPPLY

Sum							4,781.24-
00001	INDOFF INC	3100563	00178834	17005185	OFFICE SUPP CEMETERY	05/18/18	263999 136.63-
00001	INDOFF INC	3102387	00179173	17005202	OFFICE SUPP SANIT DEPT	05/18/18	263999 734.27-
00001	INDOFF INC	3102382	00179168	17005247	OFFICE SUPP SANIT DIRECTOR	05/18/18	263999 606.10-
00001	INDOFF INC	3102877 & 31	00179253	17005350	OFFICE SUPP CEMETERY	05/18/18	263999 68.34-

INDOFF INC

Sum							1,545.34-
00001	IRBY, STUART C CO	S010710411.0	00178731	17005026	DOWNTOWN CAFE LIGHTS CONSTR	05/18/18	264002 150.00-
00001	IRBY, STUART C CO	S010727128.0	00179154	17005186	ELEC SUPP PINE ST GARG LIGHTS	05/18/18	264002 628.78-

IRBY, STUART C CO

Sum							778.78-
00001	J M H GRAPHICS	13761	00178950	17005254	OFFICE PERSONNEL SHIRTS CEM	05/18/18	264003 497.50-

J M H GRAPHICS

Sum							497.50-
00001	JOHNNY'S WRECKER SERVICE	35702	00179330	17005200	TOWING U#12688 PUBLIC WORKS	05/18/18	264008 250.00-
00001	JOHNNY'S WRECKER SERVICE	35738	00179502	17005348	TOWING U#15893 SANIT	05/18/18	264008 250.00-

JOHNNY'S WRECKER SERVICE

Sum							500.00-
00001	JOHNSON, W WESLEY PHD	INVOICE #13	00179171	17004991	SRV JAIL DIV GRANT 1/18-3/18	05/18/18	264009 900.00-

JOHNSON, W WESLEY PHD

Sum							900.00-
00001	JONES & BARTLETT PUBLISH	3843605	00178968	17005007	BOOKS FIRE RECRUIT CLASS	05/18/18	264010 1,276.76-

JONES & BARTLETT PUBLISH

Sum							1,276.76-
00001	JONES-RUSSELL, CAROL L	SERVICES 3/8	00179298	17005170	JUDGE PRO TEM MUN COURT	05/18/18	264011 3,300.00-

JONES-RUSSELL, CAROL L							
Sum							3,300.00-
00001	JONES, KECIA (REFUND)	DAMAGE DEP R	02018568	17005396	DAMAGE DEPOSIT REFUND	05/18/18	264012 100.00-

JONES, KECIA (REFUND)							
Sum							100.00-
00001	JUST PROMOS USA	2180453	00179211	17005427	BACKPACKS 2018 NNO KICKOFF	05/18/18	264014 1,889.00-

JUST PROMOS USA							
Sum							1,889.00-
00001	KRONOS INCORPORATED	11311022	00179433	17005325	SOFTWARE SUPPORT	05/18/18	264018 9,088.00-
00001	KRONOS INCORPORATED	11309192	00179434	17005326	CUSTOM CENSUS REPORT	05/18/18	264018 1,275.00-

KRONOS INCORPORATED							
Sum							10,363.00-
00001	LANCASTER'S MACHINE & WE	23546	00179265	17005256	FABRICATE BUCKET U#16010 CEM	05/18/18	264023 300.00-
00001	LANCASTER'S MACHINE & WE	23555	00179204	17005360	REPRS U#20090 SANIT	05/18/18	264023 250.00-
00001	LANCASTER'S MACHINE & WE	23548	00179357	17005361	REPRS U#18907 ST CLEAN	05/18/18	264023 185.00-

LANCASTER'S MACHINE & WE							
Sum							735.00-
00001	LARRY'S WRECKER SERVICE	3836	00179128	17005027	TOWING U#16240 CONSTR	05/18/18	264024 65.00-
00001	LARRY'S WRECKER SERVICE	3841	00179212	17005074	TOWING U#18204 POLICE	05/18/18	264024 55.00-
00001	LARRY'S WRECKER SERVICE	4611-C	00179540	17005373	TOWING U#16416 POLICE	05/18/18	264024 100.00-
00001	LARRY'S WRECKER SERVICE	4617-B	00179540	17005374	TOWING SEIZED VEHICLE	05/18/18	264024 55.00-
00001	LARRY'S WRECKER SERVICE	4617	00179540	17005375	TOWING SEIZED VEHICLE	05/18/18	264024 55.00-
00001	LARRY'S WRECKER SERVICE	4611	00179540	17005376	TOWING SEIZED VEHICLE	05/18/18	264024 100.00-
00001	LARRY'S WRECKER SERVICE	4611-A	00179540	17005377	TOWING U#17312 POLICE	05/18/18	264024 100.00-
00001	LARRY'S WRECKER SERVICE	4611-B	00179540	17005378	TOWING SEIZED VEHICLE	05/18/18	264024 100.00-
00001	LARRY'S WRECKER SERVICE	4617-A	00179540	17005379	TOWING SEIZED VEHICLE	05/18/18	264024 55.00-
00001	LARRY'S WRECKER SERVICE	4688	00179577	17005403	TOWING U#17569 & U#17579 POL	05/18/18	264024 110.00-

LARRY'S WRECKER SERVICE							
Sum							795.00-
00001	LIGHTSEY & ASSOCIATES	PEPS POINT R	00179273	17005126	LAND APPRAISAL PEPs POINT RD	05/18/18	264025 450.00-

LIGHTSEY & ASSOCIATES							
Sum							450.00-
00001	LINEBARGER GOGGAN BLAIR	4/16/2018	02018522	17005066	POLICE FINES COLL.FEE	05/18/18	264026 407.02-

LINEBARGER GOGGAN BLAIR							
Sum							407.02-
00001	LOCAL GOVERNMENT SERVICE	1724	00179483	17005330	CELL TOWER AGREEMENT	05/18/18	264027 3,162.50-

LOCAL GOVERNMENT SERVICE							
Sum							3,162.50-
00001	LOWE'S OF HATTIESBURG IN	908125	00178623	17005103	MISC SUPP LAKEVIEW RANGE	05/18/18	264030 265.94-
00001	LOWE'S OF HATTIESBURG IN	909782	00178418	17005104	BLDG SUPP LAKEVIEW RANGE	05/18/18	264030 451.43-
00001	LOWE'S OF HATTIESBURG IN	901803	00178507	17005105	BLDG SUPP LAKEVIEW RANGE	05/18/18	264030 340.62-
00001	LOWE'S OF HATTIESBURG IN	971529	00178920	17005106	OUTDOOR GRILLS FIRE DEPTS	05/18/18	264030 1,352.62-
00001	LOWE'S OF HATTIESBURG IN	977275	00178708	17005109	ROPE FOR EVENTS TRAFFIC DEPT	05/18/18	264030 96.00-
00001	LOWE'S OF HATTIESBURG IN	978426	00179015	17005111	MARKING SUPP CREW WORKERS	05/18/18	264030 176.54-

00001	LOWE'S OF HATTIESBURG IN	953869	00178420	17005113	MAILBOXES SANIT DEPT	05/18/18	264030	80.60-
00001	LOWE'S OF HATTIESBURG IN	914555	00178418	17005114	BLDG SUPP LAKEVIEW RANGE	05/18/18	264030	62.59-
00001	LOWE'S OF HATTIESBURG IN	915229	00178418	17005115	CREDIT RETURN	05/18/18	264030	38.95
00001	LOWE'S OF HATTIESBURG IN	908349	00178507	17005116	BLDG SUPP LAKEVIEW RANGE	05/18/18	264030	28.44-
00001	LOWE'S OF HATTIESBURG IN	916861	00178507	17005117	CREDIT RETURN	05/18/18	264030	31.33
00001	LOWE'S OF HATTIESBURG IN	967225	00178284	17005124	LSCAPE/CLN/REPR SUPP T DEPOT	05/18/18	264030	149.01-

LOWE'S OF HATTIESBURG IN								
Sum								2,933.51-
00001	LOWREY, GINGER MADDOX	TRAVEL REIMB	00179437	17005322	TRVL REIMB APA CONF N ORLEANS	05/18/18	264031	52.35-

LOWREY, GINGER MADDOX								
Sum								52.35-
00001	MAC PAPERS	394102	00179165	17005227	CITY ENVELOPES	05/18/18	264032	116.20-

MAC PAPERS								
Sum								116.20-
00001	MATOS DAVID	TRAV ADVANCE	00179504	17005335	TRAV ADV MLEOA MTRCYCLE TRNG	05/18/18	264033	205.00-

MATOS DAVID								
Sum								205.00-
00001	MCELHANEY PLUMBING INC	267511	00179199	17005112	PLUMB TOOL LIFE CENTER MS	05/18/18	264034	29.95-

MCELHANEY PLUMBING INC								
Sum								29.95-
00001	MEDICAL ANALYSIS-GHV	10318	00179595	17005400	EMP CLINIC MGMT 5/18	05/18/18	264036	30,621.27-

MEDICAL ANALYSIS-GHV								
Sum								30,621.27-
00001	METRO CRIMESTOPPERS INC	CITY COURT C	02018533	17005062	CITY COURT COST 4/18	05/02/18	112707	3,236.99-

METRO CRIMESTOPPERS INC								
Sum								3,236.99-
00001	MID SOUTH UNIFORM & SUPP	571563	00175124	17005129	UNIFORMS POLICE STOCK	05/18/18	264037	2,886.13-
00001	MID SOUTH UNIFORM & SUPP	576858	00175124	17005163	CREDIT INV#571563 STRIPING	05/18/18	264037	49.50
00001	MID SOUTH UNIFORM & SUPP	577248	00177071	17005308	DRESS COAT & PATCHES AC SEALY	05/18/18	264037	2,241.18-

MID SOUTH UNIFORM & SUPP								
Sum								5,077.81-
00001	MIDSOUTH SOLUTIONS	117398	00177096	17005131	UNIFORM BOOTS POLICE STOCK	05/18/18	264038	1,304.00-

MIDSOUTH SOLUTIONS								
Sum								1,304.00-
00001	MITCHELL TOOL SALES & SE	99830	00179239	17005140	MECHANIC TOOL FIRE DEPT	05/18/18	264040	32.99-

MITCHELL TOOL SALES & SE								
Sum								32.99-
00001	MITCHELL, JAMES	TRAV ADVANCE	00179119	17005015	TRAV ADV BOAM CNF BAY S LOUIS	05/18/18	264041	255.00-

MITCHELL, JAMES								
Sum								255.00-
00001	MOLETTE, CHELSIE (REFUND DAMAGE DEP R	02018568	17005393	DAMAGE DEPOSIT REFUND		05/18/18	264043	500.00-

MOLETTE, CHELSIE (REFUND								
Sum								500.00-
00001	MOLLY MAID	SERVICE 5/18	00179224	17005162	SERV 5/18 HIGHLAND CEMETERY	05/18/18	264044	245.00-

MOLLY MAID								
Sum								245.00-
00001	MOORE MEDICAL	99872979	00179010	17005008	MEDICAL SUPP P/F ACADEMY	05/18/18	264045	101.66-

MOORE MEDICAL								
Sum								101.66-
00001	MORRIS, JOHN	TRAV ADVANCE	00179503	17005336	TRAV ADV MLEOA MTRCYCLE TRNG	05/18/18	264047	205.00-

MORRIS, JOHN								
Sum								205.00-
00001	MS DEPARTMENT OF ENVIRON	RE-CERTIFICA	00179469	17005356	ASBESTOS RE-CERTIF KIDD	05/18/18	264048	200.00-
00001	MS DEPARTMENT OF ENVIRON	RE-CERTIFICA	00179469	17005357	ASBESTOS RE-CERTIF MYERS	05/18/18	264049	200.00-

MS DEPARTMENT OF ENVIRON								
Sum								400.00-
00001	MS DEPT OF PUBLIC SFTY/C	4/18	02018540	17005061	4/18	05/02/18	112706	4,824.32-

MS DEPT OF PUBLIC SFTY/C								
Sum								4,824.32-
00001	MS MUNICIPAL LEAGUE	REG EVERETT	00179120	17005003	REG EVERETT CONF BILOXI	05/18/18	264051	235.00-

MS MUNICIPAL LEAGUE								
Sum								235.00-
00001	MS POLICE SUPPLY CO INC	I-2277	00178044	17005130	DUTY GEAR POLICE STOCK	05/18/18	264052	1,623.75-

MS POLICE SUPPLY CO INC								
Sum								1,623.75-
00001	MS POWER COMPANY	5/18 GENERAL	00201815	17005422	MNTHLY ELEC-GENERAL	05/18/18	264053	9,951.69-

MS POWER COMPANY								
Sum								9,951.69-
00001	MS STATE/DEPT OF HEALTH/	18-120542 CO	00179294	17005165	BOILER INSP A/A MUSEUM	05/18/18	264056	60.00-
00001	MS STATE/DEPT OF HEALTH/	18-120542 P/	00179294	17005166	BOILER INSP P/F ACADEMY	05/18/18	264056	30.00-
00001	MS STATE/DEPT OF HEALTH/	18-120542 PU	00179294	17005167	BOILER INSP PUBLIC WORKS	05/18/18	264056	120.00-
00001	MS STATE/DEPT OF HEALTH/	18-120542 AI	00179294	17005168	BOILER INSP AIRPORT	05/18/18	264056	90.00-
00001	MS STATE/DEPT OF HEALTH/	18-120587 SA	00179296	17005183	WTR HEATER INSP SANIT DEPT	05/18/18	264056	30.00-
00001	MS STATE/DEPT OF HEALTH/	18-120610 CO	00179379	17005220	INSP WTR HTRS CONVENTION CNTR	05/18/18	264056	330.00-
00001	MS STATE/DEPT OF HEALTH/	18-120610 CE	00179379	17005221	INSP WTR HTR CENTENIAL BLDG	05/18/18	264056	30.00-
00001	MS STATE/DEPT OF HEALTH/	18-120656	00179375	17005223	INSP WTR HTR/BOILER CITY HALL	05/18/18	264056	180.00-
00001	MS STATE/DEPT OF HEALTH/	18-120656 TR	00179375	17005224	INSP WTR HTR/AIR TANK	05/18/18	264056	90.00-

MS STATE/DEPT OF HEALTH/								
Sum								960.00-
00001	MS STATE/EMP SECURITY CO	9200131000 4	00179466	17005317	UNEMP CLAIMS 1ST QTR 2018	05/18/18	264057	3,696.55-

MS STATE/EMP SECURITY CO								
Sum								3,696.55-

00001 MS STATE/SECRETARY OF ST NOTARY APPL-	00179340	17005189	NOTARY APPL-JOLLY COUNCIL CLK	05/18/18	264058	25.00-

MS STATE/SECRETARY OF ST						
Sum						25.00-
00001 MS STATE/TREASURER/FINAN FINE COLLECT	02018534	17005063		05/02/18	112708	169,043.61-

MS STATE/TREASURER/FINAN						
Sum						169,043.61-
00001 MS TURF	533191	00179222	17005157 GRASS SOD CEMETERIES	05/18/18	264059	115.00-

MS TURF						
Sum						115.00-
00001 MULTITECH OFFICE MACHINE	18050355	00179276	17005320 PRINTER/FAX TONER ACCTG DEPT	05/18/18	264060	359.85-
00001 MULTITECH OFFICE MACHINE	18050356	00179276	17005321 PRINTER/FAX TONER ACCTG DEPT	05/18/18	264060	89.95-

MULTITECH OFFICE MACHINE						
Sum						449.80-
00001 NAPA AUTO PARTS	5930-575286	00179201	17005107 REPR PTS FIRE DEPT	05/18/18	264063	51.63-
00001 NAPA AUTO PARTS	5930-575309	00179223	17005139 DIESEL EXHAUST FLUID FIRE DEP	05/18/18	264063	160.00-

NAPA AUTO PARTS						
Sum						211.63-
00001 NEWELL PAPER COMPANY	4026775	00179125	17005110 CLEANING RAGS PUBLIC WORKS	05/18/18	264065	193.15-
00001 NEWELL PAPER COMPANY	4027180	00179259	17005253 JANIT SUPP TRAFFIC/CONSTR	05/18/18	264065	169.80-
00001 NEWELL PAPER COMPANY	4024047	00178086	17005364 JANIT SUPP CITY HALL	05/18/18	264065	922.60-
00001 NEWELL PAPER COMPANY	4027828	00179490	17005446 EVIDENCE BAGS	05/18/18	264065	91.42-

NEWELL PAPER COMPANY						
Sum						1,376.97-
00001 NORFOLK SOUTHERN CORP	90635652	00179630	17005449 6/18 LEASE RR ST PK LOT	05/18/18	264066	1,989.37-

NORFOLK SOUTHERN CORP						
Sum						1,989.37-
00001 NORRIS, LATONYA	TRAV ADVANCE	00179557	17005402 TRAV ADV MSLEAC ACCRED TRNG	05/18/18	264067	215.34-

NORRIS, LATONYA						
Sum						215.34-
00001 NORTH GATE MILITARY SURP	2701	00179368	17005235 NAME TAGS RECRUIT CLASS #35	05/18/18	264068	88.00-

NORTH GATE MILITARY SURP						
Sum						88.00-
00001 OFFICE DEPOT INC	133199729001	00179071	17005244 COFFEE POTS ENGR DEPT	05/18/18	264069	107.58-
00001 OFFICE DEPOT INC	2184231014	00179079	17005245 OFFICE SUPP ENGR DEPT	05/18/18	264069	142.36-

OFFICE DEPOT INC						
Sum						249.94-
00001 OFFICE PRODUCTS PLUS	828838-0	00179106	17004994 SQUEEGEE RPLCMNT TRAIN DEPOT	05/18/18	264070	66.98-
00001 OFFICE PRODUCTS PLUS	828832-0 & 8	00179102	17005068 PAPER/OFFICE SUPP POLICE DEPT	05/18/18	264070	719.50-
00001 OFFICE PRODUCTS PLUS	823304-0	00177581	17005263 OFFICE SUPP FOR COURT	05/18/18	264070	329.04-
00001 OFFICE PRODUCTS PLUS	823358-0	00177581	17005264 RUBBER STAMPS FOR COURT	05/18/18	264070	93.30-

OFFICE PRODUCTS PLUS						

Sum							1,208.82-
00001 OWENS BUSINESS MACHINES	353317	00179272 17005119	COPIER MAINT 4/18 M/ADM	05/18/18	264071		43.76-
00001 OWENS BUSINESS MACHINES	353316	00179272 17005120	COPIER MAINT 5/18 M/ADM	05/18/18	264071		187.00-

OWENS BUSINESS MACHINES							
Sum							230.76-
00001 PATTERSON AUTO ELECTRIC	40023	00179152 17005428	REPRS U#16767 POLICE	05/18/18	264073		1,922.14-

PATTERSON AUTO ELECTRIC							
Sum							1,922.14-
00001 PEARL RIVER VALLEY EPA (5/14 GENERAL		00201815 17005389	MNTHLY 5/18 PUBLIC SERVICES	05/18/18	264074		6,421.62-

PEARL RIVER VALLEY EPA (							
Sum							6,421.62-
00001 PERFORMANCE RESCUE	522	00178588 17005197	RESCUE TOOL TNT SPREADER	05/18/18	264075		1,500.00-

PERFORMANCE RESCUE							
Sum							1,500.00-
00001 PIN CENTER, THE	0418180	00178244 17005132	YEARS OF SERVICE PINS	05/18/18	264076		435.00-

PIN CENTER, THE							
Sum							435.00-
00001 PINE BELT CDJR, INC (MCM 175393P		00178922 17005073	REPRS U#18201 POLICE	05/18/18	264077		890.00-

PINE BELT CDJR, INC (MCM							
Sum							890.00-
00001 PINE BELT OIL COMPANY IN	1210474	00178984 17004989	GAS FOR FUEL STATION	05/18/18	264079		6,617.80-
00001 PINE BELT OIL COMPANY IN	1210503	00178984 17004990	GAS FOR FUEL STATION	05/18/18	264079		6,617.80-
00001 PINE BELT OIL COMPANY IN	POLICE 4/1-4	00179280 17005127	REMOTE SITE FUEL CHGS 4/18	05/18/18	264079		682.18-
00001 PINE BELT OIL COMPANY IN	FIRE 4/1-4/3	00179280 17005128	REMOTE SITE FUEL CHGS 4/18	05/18/18	264079		1,449.47-
00001 PINE BELT OIL COMPANY IN	1216328	00179241 17005148	GAS CARD #14145 SANIT	05/18/18	264079		418.26-
00001 PINE BELT OIL COMPANY IN	10558111	00179160 17005187	GAS FOR FUEL STATION	05/18/18	264079		13,185.98-
00001 PINE BELT OIL COMPANY IN	10583261	00179160 17005188	DIESEL FOR FUEL STATION	05/18/18	264079		7,913.09-
00001 PINE BELT OIL COMPANY IN	10583321	00179313 17005316	DIESEL FOR FUEL STATION	05/18/18	264079		7,079.00-
00001 PINE BELT OIL COMPANY IN	6767944	00179510 17005366	FUEL CHGS 3/6/18 POLICE	05/18/18	264079		30.00-
00001 PINE BELT OIL COMPANY IN	6767959	00179510 17005367	FUEL CHGS 4/21/18 POLICE	05/18/18	264079		26.62-
00001 PINE BELT OIL COMPANY IN	6767955	00179510 17005368	FUEL CHGS 4/2/18 POLICE	05/18/18	264079		53.40-
00001 PINE BELT OIL COMPANY IN	9105202	00179510 17005369	FUEL CHGS 4/26/18 POLICE	05/18/18	264079		40.25-
00001 PINE BELT OIL COMPANY IN	1058343	00179529 17005425	GAS FOR FUEL STATION	05/18/18	264079		14,424.17-
00001 PINE BELT OIL COMPANY IN	1058583	00179529 17005426	DIESEL FOR FUEL STATION	05/18/18	264079		8,277.83-

PINE BELT OIL COMPANY IN							
Sum							66,815.85-
00001 PINE BELT REGIONAL SOLID	100006 4/18	00179304 17005184	REFUSE DISPOSAL SANIT DEPT	05/18/18	264080		40,296.16-

PINE BELT REGIONAL SOLID							
Sum							40,296.16-
00001 POPE & POPE, PA	18016	00179283 17005173	REG REIMB MMA SUMMER CLE POPE	05/18/18	264085		175.00-

POPE & POPE, PA							
Sum							175.00-
00001 POWER PLUS INC	63641	00179448 17005388	TRIMMERS/PRUNER CEMETERY	05/18/18	264090		1,394.88-

Sum												1,394.88-
00001	PPG	PAINTS	(H'BURG)	976602024437	00178681	17005239	PAINT SUPP	TRAFFIC DEPT	05/18/18	264091		52.90-
00001	PPG	PAINTS	(H'BURG)	976602024702	00178681	17005240	PAINT SUPP	TRAFFIC DEPT	05/18/18	264091		201.02-
00001	PPG	PAINTS	(H'BURG)	1600150535	00178681	17005248	CREDIT	PO#174939	05/18/18	264091		99.05

Sum								154.87-
00001	PUBLIC ENGINES, INC	(CR 25694	00179158	17005004	SUBSCRIPT RNWL	05/18/18	264096	4,059.60-

Sum									4,059.60-
00001 RAY-E FOUNDATION INC	JUNETEENTH 2	00179492	17005319	JUNETEENTH 2018	SPONSOR	05/18/18	264099		2,500.00-

[illegible]

Sum										9,901.25-
00001	RICHARDSON, STEFON	TRAV ADVANCE	00179395	17005266	TRAV ADV POWERDMS	CLS BILOXI	05/18/18	264105		200.00-

Sum									200.00-
00001 RICOH CORP	30058138	00179398	17005258	COPIER 5/15-6/14	HUMAN RES	05/18/18	264106		221.67-

00001	RICOH CORP	24181263	00179398	17005259	COPIER 3/15-4/14 HUMAN RES	05/18/18	264106	221.67-
00001	RICOH CORP	24317539	00179398	17005260	COPIER 5/14-5/14 HUMAN RES	05/18/18	264106	221.67-
00001	RICOH CORP	5053242354	00179398	17005261	OVERAGES 4/1-30/18 HUMAN RES	05/18/18	264106	119.15-
00001	RICOH CORP	5053242743	00179532	17005381	COPIER 4/18 LAND CODE	05/18/18	264106	162.97-
00001	RICOH CORP	5053198440 G	00179624	17005443	PRODUCTION PRINTER CHARGES	05/18/18	264106	260.76-
00001	RICOH CORP	5053198440 W	00179624	17005444	PRODUCTION PRINTER CHARGES	05/18/18	264106	127.60-

RICOH CORP								
Sum								1,335.49-
00001	RJ YOUNG COMPANY	INV2434805	00179129	17005001	GIS PLOTTER 3/17-4/16 MPO DIV	05/18/18	264108	128.00-
00001	RJ YOUNG COMPANY	INV2444224	00179135	17005006	COPIER 3/24-4/23 POLICE ADM	05/18/18	264108	253.00-
00001	RJ YOUNG COMPANY	INV2454842	00179179	17005011	COPIER 3/28-4/27 P/F ACADEMY	05/18/18	264108	241.07-
00001	RJ YOUNG COMPANY	INV2445405	00179178	17005013	COPIER 3/28-4/27 FIRE DEPT	05/18/18	264108	261.58-
00001	RJ YOUNG COMPANY	INV2444051	00179300	17005171	COPIER 3/25-4/24 MUN COURT	05/18/18	264108	335.00-
00001	RJ YOUNG COMPANY	INV2444052	00179301	17005172	COPIER 3/24-4/23 MUN COURT	05/18/18	264108	168.00-
00001	RJ YOUNG COMPANY	INV2445404	00179511	17005339	COPIER 3/28-4/27 DETECTIVES	05/18/18	264108	492.00-
00001	RJ YOUNG COMPANY	INV2343537	00179525	17005372	COPIER 1/25-2/23/18 POLICE	05/18/18	264108	253.00-

RJ YOUNG COMPANY								
Sum								2,131.65-
00001	RUTLAND, LAMAR	REG RUTLAND	00179531	17005385	REG RUTLAND MEETING BILOXI	05/18/18	264110	350.00-

RUTLAND, LAMAR								
Sum								350.00-
00001	RYAN MOTORS INC	266247	00177742	17005136	A/C REPR U#20096 POLICE	05/18/18	264111	793.53-
00001	RYAN MOTORS INC	215173	00179489	17005448	REPR PTS U#15922 CONSTR	05/18/18	264111	67.25-

RYAN MOTORS INC								
Sum								860.78-
00001	R3SM INC (CDBG)	R3SM FINANCI	00179567	17005421	R3SM FINANCIAL SUPPORT	05/18/18	264112	25,000.00-

R3SM INC (CDBG)								
Sum								25,000.00-
00001	SACKS OUTDOOR SUPPLY	PO#171238	00171238	17005304	FIREFIGHTER DUTY BOOTS	05/18/18	264113	129.97-
00001	SACKS OUTDOOR SUPPLY	20434	00163926	17005305	TRU SPEC PANTS FOR R STEPHENS	05/18/18	264113	89.90-
00001	SACKS OUTDOOR SUPPLY	20480	00161215	17005306	511 POLO SHIRTS-R STEPHENS	05/18/18	264113	119.97-
00001	SACKS OUTDOOR SUPPLY	20477	00161362	17005307	TRU SPEC PANTS-R STEPHENS	05/18/18	264113	91.98-
00001	SACKS OUTDOOR SUPPLY	PO#178638	00178638	17005309	CLOTHING ALLOW FOR D RUPLE	05/18/18	264113	504.91-
00001	SACKS OUTDOOR SUPPLY	RC1000114082	00178639	17005331	CLOTH ALLOW BYRD POLICE	05/18/18	264113	502.94-
00001	SACKS OUTDOOR SUPPLY	RC1000114414	00179011	17005349	UNIFORMS CLARK ANIMAL CONTROL	05/18/18	264113	888.88-

SACKS OUTDOOR SUPPLY								
Sum								2,328.55-
00001	SANFORD, JOHN L JR INC	50755	00179097	17005143	TOPSOIL PUBLIC WORKS	05/18/18	264114	1,250.00-

SANFORD, JOHN L JR INC								
Sum								1,250.00-
00001	SANSOM EQUIPMENT CO	54389	00179193	17005359	REPR PTS VARI SANIT UNITS	05/18/18	264115	935.06-

SANSOM EQUIPMENT CO								
Sum								935.06-
00001	SCOTT, CLYDE C INSURANCE	27850	00179365	17005234	MTRCYCLE INSURANCE 5/18-5/19	05/18/18	264116	19,581.00-

SCOTT, CLYDE C INSURANCE								
Sum								19,581.00-
00001	SHEMPER, MICHAEL J PLLC	PRO TEMP HOU	00179371	17005222	PRO TEMP HOURS 4/18 COURT	05/18/18	264117	1,425.00-

SHEMPER, MICHAEL J PLLC								
Sum								1,425.00-
00001	SHERWIN-WILLIAMS COMPANY	8566-9	00178906	17005094	PAINT MACHINE HOSES TRAFFIC	05/18/18	264118	354.30-

SHERWIN-WILLIAMS COMPANY								
Sum								354.30-
00001	SHERWIN-WILLIAMS FLOOR C	4202-7	00179426	17005442	BLDG SUPP DD SANIT OFFICE	05/18/18	264119	102.65-

SHERWIN-WILLIAMS FLOOR C								
Sum								102.65-
00001	SHOWS DEARMAN & WAITS IN	20204	00179597	17005410	SERV 3/24-4/28 EPA RESPONSE	05/18/18	264121	3,587.50-

SHOWS DEARMAN & WAITS IN								
Sum								3,587.50-
00001	SOUTH MS EMERGENCY PHYSI	SHM034125526	00179286	17005179	SERV 12/30/17 ALFORD PRISONER	05/18/18	264127	730.00-
00001	SOUTH MS EMERGENCY PHYSI	SHM035919501	00179286	17005180	SERV 4/3/18 JACKSON PRISONER	05/18/18	264127	454.00-
00001	SOUTH MS EMERGENCY PHYSI	SHM035897228	00179286	17005181	SERV 4/2/18 MAYES PRISONER	05/18/18	264127	730.00-
00001	SOUTH MS EMERGENCY PHYSI	34964579 MCC	00179286	17005182	SERV 2/12/18 MCCARTY PRISONER	05/18/18	264127	931.00-

SOUTH MS EMERGENCY PHYSI								
Sum								2,845.00-
00001	SOUTHEASTERN CONCRETE CO	33334	00178663	17005144	PEA GRAVEL PUBLIC WORKS	05/18/18	264129	440.00-

SOUTHEASTERN CONCRETE CO								
Sum								440.00-
00001	SOUTHERN FINANCIAL SYSTE	CMCHAT2 4/17	02018553	17005217	POLICE FINES COLL.FEE	05/18/18	264130	183.70-
00001	SOUTHERN FINANCIAL SYSTE	CMCHAT3 4/17	02018554	17005218	POLICE FINES COLL.FEE	05/18/18	264130	1,208.82-

SOUTHERN FINANCIAL SYSTE								
Sum								1,392.52-
00001	SOUTHERN FIRE & SPRINKLE	09-11094	00178667	17005102	REPR FIRE SPRINKLER SYS DEPOT	05/18/18	264131	1,120.00-
00001	SOUTHERN FIRE & SPRINKLE	09-11104	00179473	17005352	FIRE SPRINKLER CALL OUT DEPOT	05/18/18	264131	700.00-

SOUTHERN FIRE & SPRINKLE								
Sum								1,820.00-
00001	SOUTHERN MS PINE STRAW	11255	00179284	17005191	PINE STRAW POLICE DEPT	05/18/18	264132	110.00-
00001	SOUTHERN MS PINE STRAW	10992 PO#179	00179362	17005327	PINE STRAW TRAIN DEPOT	05/18/18	264132	412.50-

SOUTHERN MS PINE STRAW								
Sum								522.50-
00001	SOUTHERN ON SITE STORAGE	59997	00179397	17005365	PORTALETS TRAIN DAY EVENT	05/18/18	264133	170.00-

SOUTHERN ON SITE STORAGE								
Sum								170.00-
00001	SOUTHERN PINE ELECTRIC P	5/18 GENERAL	00201812	17005423	MNTHLY 5/18 PUBLIC SERVICES	05/18/18	264134	1,266.39-

SOUTHERN PINE ELECTRIC P								

Sum										1,266.39-
00001 SOUTHERN TIRE MART #9 (M	11145280/82/	00178809	17005018	TIRES VARI	PUB WORKS	UNITS	05/18/18	264136		12,123.98-

SOUTHERN TIRE MART #9 (M										
Sum										12,123.98-
00001 SPEEDY MASONRY	5418 (A)	00178746	17005198	REPR WALKWAY	102 WILDWOOD	TRC	05/18/18	264138		350.00-
00001 SPEEDY MASONRY	5418 (B)	00179291	17005199	ADDL AMT DUE	PO#187846		05/18/18	264138		75.00-

SPEEDY MASONRY										
Sum										425.00-
00001 SPF WINDOW TINTING	1359	00179172	17005137	TINT WINDOWS	U#20369/17838		05/18/18	264140		180.00-

SPF WINDOW TINTING										
Sum										180.00-
00001 SPIRE ENERGY	5/18 GENERAL	00201815	17005424	MNTHLY GAS-GENERAL						2,346.07-

SPIRE ENERGY										
Sum										2,346.07-
00001 STANDARD OFFICE SUPPLY C	0076891-001	00179048	17005067	OFFICE SUPP	CITY CLERK/TAX		05/18/18	264142		149.20-
00001 STANDARD OFFICE SUPPLY C	0076958-001	00179210	17005190	COPY PAPER	PURCHASING/ACCTG		05/18/18	264142		152.00-

STANDARD OFFICE SUPPLY C										
Sum										301.20-
00001 STAPLES	3376184990	00179105	17004992	OFFICE SUPP	PLANNING DIV		05/18/18	264143		141.93-
00001 STAPLES	3376184991	00179105	17004993	OFFICE SUPP	PLANNING DIV		05/18/18	264143		4.39-

STAPLES										
Sum										146.32-
00001 STEWART, ROSALIE (REFUND CASE: T-2014	02018555	17005215	MUNICIPAL COURT	REFUND						690.00-

STEWART, ROSALIE (REFUND										
Sum										690.00-
00001 STUDIO 101	INVOICE #100	00179478	17005344	REFURBISH 5	STREET MARKERS		05/18/18	264145		550.00-

STUDIO 101										
Sum										550.00-
00001 TAW POWER SYSTEMS, INC	26137020	00179235	17005133	GENERATOR SERV	CALL DISPATCH		05/18/18	264148		366.00-

TAW POWER SYSTEMS, INC										
Sum										366.00-
00001 TRUSTMARK NATIONAL BANK/	4/5/2018	02018543	17005050	PUBLIC SAFETY	COMP DUE 6/18		05/02/18	112701		111,741.90-

TRUSTMARK NATIONAL BANK/										
Sum										111,741.90-
00001 UNDERWOOD OUTDOOR POWER, 57048		00178985	17005034	AGRI EQUIP	PTS/SUPP	CEMETERY	05/18/18	264159		955.64-
00001 UNDERWOOD OUTDOOR POWER, 53514		00177727	17005196	REPR STRING	TRIMMERS	FIRE DEP	05/18/18	264159		99.59-

UNDERWOOD OUTDOOR POWER,										
Sum										1,055.23-
00001 UNIVERSITY TIRE & SERVIC	523416	00177857	17005311	TIRES U#15480	TRAFFIC DEPT		05/18/18	264161		584.00-

UNIVERSITY TIRE & SERVIC										

Sum							584.00-
00001 V F W OF THE US	PARKING SPAC	00179151	17005035	PARKING SPACES 5/18	05/18/18	264162	75.00-

V F W OF THE US							75.00-
Sum							75.00-
00001 VERIZON WIRELESS	9806428639	00179550	17005363	HPD WIRELESS 4/2-5/1/18	05/18/18	264166	2,401.68-

VERIZON WIRELESS							2,401.68-
Sum							2,401.68-
00001 VULCAN MATERIALS CO	50427950	00179024	17005096	LIMESTONE VARI LOC	05/18/18	264169	1,673.48-

VULCAN MATERIALS CO							1,673.48-
Sum							1,673.48-
00001 WARING OIL CO (GULFPORT)	001664684	00179205	17005347	DIESEL EXHAUST FLUID SANIT	05/18/18	264172	359.88-

WARING OIL CO (GULFPORT)							359.88-
Sum							359.88-
00001 WARREN PAVING INC	7944	00177516	17005430	HOT ASPHALT P/W STREET	05/18/18	264175	216.88-
00001 WARREN PAVING INC	7973	00177516	17005431	HOT ASPHALT P/W STREET	05/18/18	264175	425.63-
00001 WARREN PAVING INC	8038	00177516	17005432	HOT ASPHALT P/W STREET	05/18/18	264175	652.51-
00001 WARREN PAVING INC	8058	00177516	17005433	HOT ASPHALT P/W STREET	05/18/18	264175	1,150.64-
00001 WARREN PAVING INC	8181	00177516	17005434	HOT ASPHALT P/W STREET	05/18/18	264175	193.76-
00001 WARREN PAVING INC	8186	00177516	17005435	HOT ASPHALT P/W STREET	05/18/18	264175	1,078.14-
00001 WARREN PAVING INC	8213	00177516	17005436	HOT ASPHALT P/W STREET	05/18/18	264175	592.51-
00001 WARREN PAVING INC	8250	00177516	17005437	HOT ASPHALT P/W STREET	05/18/18	264175	1,560.01-
00001 WARREN PAVING INC	8309	00177516	17005438	HOT ASPHALT P/W STREET	05/18/18	264175	296.26-

WARREN PAVING INC							6,166.34-
Sum							125.99-
00001 WATERS INTERNATIONAL TRU	08P853097	00179190	17005151	REPR PTS U#14402 SANIT	05/18/18	264178	-----
WATERS INTERNATIONAL TRU							125.99-
Sum							125.99-
00001 WB MASON CO INC (FORMERL	I54467602	00179042	17005121	PRINTER INK VARI DEPTS	05/18/18	264179	395.88-
00001 WB MASON CO INC (FORMERL	I54945934	00179416	17005398	PRINTER INK INFO TECH	05/18/18	264179	851.58-

WB MASON CO INC (FORMERL							1,247.46-
Sum							1,100.00-
00001 WEDGEWORTH DEVELOPMENT L	MB#2014/198-	02018557	17005249	DL RENEWAL STATION LEASE PYMT	05/18/18	264181	-----
WEDGEWORTH DEVELOPMENT L							1,100.00-
Sum							47.80-
00001 WHEELER'S JANITORIAL SUP	0402229	00179126	17005201	ORANGE GLOVES P/W SHOP	05/18/18	264183	-----
WHEELER'S JANITORIAL SUP							47.80-
Sum							47.80-
00001 WORKWELL SERVICES (NEW V	39501	00179516	17005380	PHYSICALS FOR FIRE RECRUITS	05/18/18	264186	4,626.00-

WORKWELL SERVICES (NEW V							4,626.00-
Sum							205.00-
00001 YOUNG, CHAD	TRAV ADVANCE	00179505	17005337	TRAV ADV MLEOA MTRCYCLE TRNG	05/18/18	264188	-----

[illegible]

CITY OF HATTIESBURG

DOCKET OF CLAIMS

Date - 05/16/18

PERIOD ENDING MAY 18, 2018

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PARKS & RECREATION FUND							
00002 A & R FARM AND GARDEN	303769	00179140	17001020	CHAINS/LOCKS GRNDS MAINT	05/18/18	263837	103.44-
00002 A & R FARM AND GARDEN	303712	00179335	17001029	MINOR EQUIP GRNDS MAINT	05/18/18	263837	310.00-
00002 A & R FARM AND GARDEN	303939	00179539	17001084	SAND BAGS GRNDS MAINT	05/18/18	263837	56.00-

A & R FARM AND GARDEN							
Sum							469.44-
00002 ADAMS NURSERY	588704	00178727	17001031	ROSES FEDERATION PARK	05/18/18	263840	339.00-

ADAMS NURSERY							
Sum							339.00-
00002 AGRI-AFC LLC	5447472	00179139	17000979	CHEMICALS ALL BALLFIELDS	05/18/18	263842	290.00-
00002 AGRI-AFC LLC	5453034	00179344	17001030	FERTILIZER FOR BALLFIELDS	05/18/18	263842	3,601.13-
00002 AGRI-AFC LLC	5453677	00179428	17001041	CHEMICALS GRNDS MAINT	05/18/18	263842	380.00-

AGRI-AFC LLC							
Sum							4,271.13-
00002 ANDERSON RETAIL INC	124323	00179238	17001007	BLDG MATLS TATUM BASEBALL	05/18/18	263849	21.39-

ANDERSON RETAIL INC							
Sum							21.39-
00002 ANOINTED HANDS SERVICES, 5548		00179477	17001038	SERVS 5/18 REC MAINT	05/18/18	263850	310.00-

ANOINTED HANDS SERVICES,							
Sum							310.00-
00002 AT&T MOBILITY	287273578351	00179554	17001080	WIRELESS SERV 4/18 PKS/REC	05/18/18	263860	334.05-

AT&T MOBILITY							
Sum							334.05-
00002 AUTO ARMATURE SERVICE IN 12247		00179377	17001045	BATTERY U#18867 MOWER	05/18/18	263861	48.95-

AUTO ARMATURE SERVICE IN							
Sum							48.95-
00002 AUTOMOTIVE GLASS SPECIAL I222315		00178869	17000993	BACK WINDOW U#7382 TRUCK	05/18/18	263863	225.00-

AUTOMOTIVE GLASS SPECIAL							
Sum							225.00-
00002 BIRDSONG. KENDRICE R	OFFICIAL 4/1	02018564	17001052	OFFICIAL-ADULT BASKETBALL	05/18/18	263869	31.50-

BIRDSONG. KENDRICE R							
Sum							31.50-
00002 BLUE DOLPHIN POOLS	32291	00179476	17001039	4/18 FOUNTAIN MAINT VARI LOC	05/18/18	263871	872.76-

BLUE DOLPHIN POOLS							
Sum							872.76-
00002 BOUTWELL, AMANDA G	SPORTS SERVS	02018565	17001067	SPORTS SUPPORT SERVICES	05/18/18	263877	80.00-

BOUTWELL, AMANDA G

Sum								80.00-
00002	BRACEY, DENITRA L	OFFICIAL 4/1	02018564	17001051	OFFICIAL-ADULT BASKETBALL	05/18/18	263878	31.50-

BRACEY, DENITRA L

Sum								31.50-
00002	BRACKMAN MOWER WAREHOUSE	37842	00178698	17000985	REPRS U#17998/20233 MOWERS	05/18/18	263879	150.88-
00002	BRACKMAN MOWER WAREHOUSE	37841	00178752	17000986	REPR CHAINSAWS STORM PREP	05/18/18	263879	269.90-
00002	BRACKMAN MOWER WAREHOUSE	37840	00179026	17000987	REPRS U#19464 MOWER	05/18/18	263879	86.56-
00002	BRACKMAN MOWER WAREHOUSE	37838	00179075	17000988	REPRS U#19464 MOWER	05/18/18	263879	70.00-
00002	BRACKMAN MOWER WAREHOUSE	37837	00179086	17000989	WEEDEATER SUPP	05/18/18	263879	398.00-

BRACKMAN MOWER WAREHOUSE

Sum								975.34-
00002	BRADDOCK, ARETHA	OFFICIAL 4/1	02018564	17001056	OFFICIAL-ADULT SOFTBALL	05/18/18	263880	100.00-
00002	BRADDOCK, ARETHA	SPORTS SERVS	02018565	17001069	SPORTS SUPPORT SERVICES	05/18/18	263880	144.00-

BRADDOCK, ARETHA

Sum								244.00-
00002	BROWN, KIM	OFFICIAL 4/1	02018564	17001050	OFFICIAL-ADULT BASKETBALL	05/18/18	263882	100.00-

BROWN, KIM

Sum								100.00-
00002	BRYANT, ERNEST J	SPORTS SERVS	02018565	17001068	SPORTS SUPPORT SERVICES	05/18/18	263883	400.00-

BRYANT, ERNEST J

Sum								400.00-
00002	CARQUEST AUTO PARTS STOR	14758-108067	00179093	17000981	PORTABLE AIR TANKS	05/18/18	263893	72.52-
00002	CARQUEST AUTO PARTS STOR	14758-108049	00179074	17000984	REPR PTS U#16048 TRUCK	05/18/18	263893	82.35-
00002	CARQUEST AUTO PARTS STOR	14758-108585	00179317	17001033	REPR PTS U#13130 TRUCK	05/18/18	263893	151.58-
00002	CARQUEST AUTO PARTS STOR	14758-108582	00179318	17001034	REPR PTS U#13130 TRUCK	05/18/18	263893	644.43-
00002	CARQUEST AUTO PARTS STOR	14758-108620	00179319	17001035	REPR PTS U#11961 TRUCK	05/18/18	263893	28.24-

CARQUEST AUTO PARTS STOR

Sum								979.12-
00002	CARTER, WAYNE M	SPORTS SERVS	02018565	17001070	SPORTS SUPPORT SERVICES	05/18/18	263895	112.00-

CARTER, WAYNE M

Sum								112.00-
00002	CINTAS CORPORATION #J66	J66580574	00179183	17000994	MOP/MAT 4/16 GRNDS MAINT	05/18/18	263905	4.95-
00002	CINTAS CORPORATION #J66	J66579316	00179183	17000995	MOP/MAT 4/09 GRNDS MAINT	05/18/18	263905	4.95-
00002	CINTAS CORPORATION #J66	J66581814	00179183	17000996	MOP/MAT 4/23 GRNDS MAINT	05/18/18	263905	4.95-
00002	CINTAS CORPORATION #J66	J66583069	00179183	17000997	MOP/MAT 4/30 GRNDS MAINT	05/18/18	263905	4.95-
00002	CINTAS CORPORATION #J66	J66579317	00179183	17000998	UNIFORMS 4/09 GRNDS MAINT	05/18/18	263905	134.46-
00002	CINTAS CORPORATION #J66	J66580575	00179183	17000999	UNIFORMS 4/16 GRNDS MAINT	05/18/18	263905	127.46-
00002	CINTAS CORPORATION #J66	J66581815	00179183	17001000	UNIFORMS 4/23 GRNDS MAINT	05/18/18	263905	125.26-
00002	CINTAS CORPORATION #J66	J66583070	00179183	17001001	UNIFORMS 4/30 GRNDS MAINT	05/18/18	263905	127.78-

CINTAS CORPORATION #J66

Sum								534.76-
00002	CITY OF HATTIESBURG FUND TRF 1ST 5/18	02018559	17001012	TRF 1ST 5/18 PAYROLL		05/09/18	311867	59,802.00-

CITY OF HATTIESBURG FUND								-----
Sum								59,802.00-
00002 CLEMTS HARDWARE	120527	00179349	17001042	WATER KEG GRNDS MAINT	05/18/18	263907	131.96-	-----
CLEMTS HARDWARE								
Sum								131.96-
00002 DOGIPOT (PROPET DISTRIBU	121792	00178826	17000982	LITTER BAGS DOG PARK	05/18/18	263930	494.35-	-----
DOGIPOT (PROPET DISTRIBU								
Sum								494.35-
00002 ECONOMY SUPPLY CO	294127	00179111	17000983	QUIKCRETE GRNDS MAINT	05/18/18	263934	27.65-	
00002 ECONOMY SUPPLY CO	294349	00179240	17001008	BLDG MATLS TATUM BASEBALL	05/18/18	263934	19.75-	
00002 ECONOMY SUPPLY CO	293462	00178783	17001021	METAL DOORS 9TH ST BALLPARK	05/18/18	263934	1,150.00-	
00002 ECONOMY SUPPLY CO	294862	00179386	17001032	BLDG MATLS 9TH ST BALLPARK	05/18/18	263934	55.00-	
00002 ECONOMY SUPPLY CO	295090	00179518	17001043	DOOR LOCK TATUM PK CONCESSNS	05/18/18	263934	26.00-	
00002 ECONOMY SUPPLY CO	295137	00179535	17001087	BLDG MATLS EASTSIDE PARK	05/18/18	263934	31.60-	-----
ECONOMY SUPPLY CO								
Sum								1,310.00-
00002 ELKINS WHOLESALE INC	345919-00	00179084	17000978	JANIT SUPP GRNDS MAINT	05/18/18	263936	782.79-	
00002 ELKINS WHOLESALE INC	342180	00178100	17000992	JANIT SUPP GRNDS MAINT	05/18/18	263936	832.98-	-----
ELKINS WHOLESALE INC								
Sum								1,615.77-
00002 ESTERS, WILLARD (BUTCH)	OFFICIAL 4/1	02018564	17001060	OFFICIAL-ADULT SOFTBALL	05/18/18	263940	500.00-	-----
ESTERS, WILLARD (BUTCH)								
Sum								500.00-
00002 FAGAN TREE AND SPRAYING	2695	00178815	17001025	HERBICIDE BALLFLDS/CITY HALL	05/18/18	263942	3,675.00-	-----
FAGAN TREE AND SPRAYING								
Sum								3,675.00-
00002 FERGUSON ENTERPRISES INC	7828002	00179077	17001004	PLUMB SUPP TATUM BASEBALL	05/18/18	263945	77.42-	
00002 FERGUSON ENTERPRISES INC	7831271	00179116	17001011	PLUMB SUPP 5TH ST POOL	05/18/18	263945	13.37-	
00002 FERGUSON ENTERPRISES INC	7846343	00179228	17001081	ELEC SUPP TATUM SOCCER	05/18/18	263945	382.00-	-----
FERGUSON ENTERPRISES INC								
Sum								472.79-
00002 GOLDEN, NICHOLAS D	OFFICIAL 4/1	02018564	17001063	OFFICIAL-ADULT SOFTBALL	05/18/18	263964	400.00-	-----
GOLDEN, NICHOLAS D								
Sum								400.00-
00002 GRAVES, GARY L	OFFICIAL 4/1	02018564	17001049	OFFICIAL-ADULT BASKETBALL	05/18/18	263966	100.00-	-----
GRAVES, GARY L								
Sum								100.00-
00002 GREATER SOUTHEAST CONSTR	EST#1 SULLIV	00179618	17001088	SRVS SULLIVAN PK PAVILION	05/18/18	263967	8,663.05-	-----
GREATER SOUTHEAST CONSTR								
Sum								8,663.05-
00002 GREEN, CHARLES A	SPORTS SERVS	02018565	17001071	SPORTS SUPPORT SERVICES	05/18/18	263968	112.00-	

GREEN, CHARLES A								
Sum								112.00-
00002	JACKSON, ROOSEVELT III	773410	00179083	17001040	PRESS WASH CHAIN PK BRDWALK	05/18/18	264004	3,965.00-

JACKSON, ROOSEVELT III								
Sum								3,965.00-
00002	JACKSON, TINA	OFFICIAL 4/1	02018564	17001058	OFFICIAL-ADULT SOFTBALL	05/18/18	264005	220.00-

JACKSON, TINA								
Sum								220.00-
00002	JERRY'S AUTOMOTIVE REPAI	19195	00178813	17001036	REPR PTS U#11214 TRUCK	05/18/18	264007	34.85-

JERRY'S AUTOMOTIVE REPAI								
Sum								34.85-
00002	KEATON, CHRISTOPHER	OFFICIAL 4/1	02018564	17001053	OFFICIAL-ADULT BASKETBALL	05/18/18	264015	200.00-

KEATON, CHRISTOPHER								
Sum								200.00-
00002	KETTLEY, ANNETTE	SPORTS SERVS	02018565	17001072	SPORTS SUPPORT SERVICES	05/18/18	264016	416.00-

KETTLEY, ANNETTE								
Sum								416.00-
00002	LANCASTER'S MACHINE & WE	23514	00179141	17000991	REPRS U#6785 TRAILER	05/18/18	264023	210.00-
00002	LANCASTER'S MACHINE & WE	23550	00179337	17001047	REPR TRAILER FLOORING U#14127	05/18/18	264023	465.00-

LANCASTER'S MACHINE & WE								
Sum								675.00-
00002	LOWE'S OF HATTIESBURG IN	953978	00178660	17001002	CEILING FANS CAMERON FIELD	05/18/18	264030	151.96-

LOWE'S OF HATTIESBURG IN								
Sum								151.96-
00002	MCELHANEY PLUMBING INC	267294	00179274	17001022	PLUMB SUPP TATUM PARK	05/18/18	264034	64.20-
00002	MCELHANEY PLUMBING INC	267524	00179242	17001023	PLUMB SUPP TATUM PARK	05/18/18	264034	56.51-

MCELHANEY PLUMBING INC								
Sum								120.71-
00002	MISSISSIPPI AG COMPANY,	P20553	00178939	17000990	SANDPRO REPR PTS	05/18/18	264039	73.16-

MISSISSIPPI AG COMPANY,								
Sum								73.16-
00002	MORRIS, GEORGE T	OFFICIAL 4/1	02018564	17001064	OFFICIAL-ADULT SOFTBALL	05/18/18	264046	440.00-

MORRIS, GEORGE T								
Sum								440.00-
00002	MS POWER COMPANY	5/18 PKS/REC	00201815	17001082	MNTHLY ELEC-PARKS & REC	05/18/18	264053	812.13-

MS POWER COMPANY								
Sum								812.13-
00002	MS STATE/DEPT OF HEALTH/	18-120587 MC	00179296	17001010	WTR HEATER INSP MCNAIR CNTR	05/18/18	264056	30.00-
00002	MS STATE/DEPT OF HEALTH/	18-120610 TA	00179379	17001013	INSP WTR HTRS TATUM PARK	05/18/18	264056	120.00-
00002	MS STATE/DEPT OF HEALTH/	18-120610 GR	00179379	17001014	INSP AIR TANK GRNDS MNT SHOP	05/18/18	264056	30.00-

00002 MS STATE/DEPT OF HEALTH/ 18-120656 DA 00179375 17001015 INSP WTR HTRS DAHMER PARK	05/18/18	264056	60.00-

MS STATE/DEPT OF HEALTH/ Sum			240.00-
00002 MS STATE/EMP SECURITY CO 9200131000 4 00179466 17001027 UNEMP CLAIMS 1ST QTR 2018	05/18/18	264057	277.56-

MS STATE/EMP SECURITY CO Sum			277.56-
00002 N & H ELECTRONIC DISTRIB 183129 00178886 17000980 CABLE TIES CAMERON FIELD	05/18/18	264061	35.92-

N & H ELECTRONIC DISTRIB Sum			35.92-
00002 NEWELL PAPER COMPANY 4027291 00179085 17001028 WASP SPRAY GRNDS MAINT	05/18/18	264065	288.00-

NEWELL PAPER COMPANY Sum			288.00-
00002 PINE BELT TROPHY PO#178213 3/ 00178213 17001005 TRACK/FIELD AWARDS	05/18/18	264081	690.84-

PINE BELT TROPHY Sum			690.84-
00002 PITTMAN, PERCY D OFFICIAL 4/1 02018564 17001061 OFFICIAL-ADULT SOFTBALL	05/18/18	264083	320.00-

PITTMAN, PERCY D Sum			320.00-
00002 PLAY IT AGAIN SPORTS PO#178791 5/ 00178791 17001006 BASEBALL/SOFTBALL SCOREBOOKS	05/18/18	264084	90.00-
00002 PLAY IT AGAIN SPORTS PO#178527 5/ 00178527 17001009 HELMETS FAST PITCH SOFTBALL	05/18/18	264084	1,819.90-

PLAY IT AGAIN SPORTS Sum			1,909.90-
00002 PORTER, JAMAL SPORTS SERVS 02018565 17001075 SPORTS SUPPORT SERVICES	05/18/18	264086	212.00-

PORTER, JAMAL Sum			212.00-
00002 PORTER, ROMESHA SPORTS SERVS 02018565 17001073 SPORTS SUPPORT SERVICES	05/18/18	264087	112.00-

PORTER, ROMESHA Sum			112.00-
00002 POWELL, RANDY SPORTS SERVS 02018565 17001074 SPORTS SUPPORT SERVICES	05/18/18	264089	600.00-

POWELL, RANDY Sum			600.00-
00002 REGIONS CARDHOLDER SERVI 7079 4/30/18 00178335 17001026 ELEC SUPP D/T CAFE LIGHTS	05/18/18	264102	194.39-

REGIONS CARDHOLDER SERVI Sum			194.39-
00002 SMITH, CARLTON L OFFICIAL 4/1 02018564 17001062 OFFICIAL-ADULT SOFTBALL	05/18/18	264124	500.00-

SMITH, CARLTON L Sum			500.00-
00002 SOUTH, CASSIUS SPORTS SERVS 02018565 17001076 SPORTS SUPPORT SERVICES	05/18/18	264128	96.00-

SOUTH, CASSIUS			

Sum							96.00-
00002 SOUTHERN ON SITE STORAGE 59907	00179229 17001016	PORTALETS MAY/JUNE TOWN SQ PK	05/18/18	264133		980.00-	
00002 SOUTHERN ON SITE STORAGE 59866	00179303 17001017	HANDICAP TOILET TOWN SQUARE PK	05/18/18	264133		85.00-	
00002 SOUTHERN ON SITE STORAGE 59861	00179000 17001024	PORTALETS J BUFFETT CONCERT	05/18/18	264133		1,040.00-	-----
SOUTHERN ON SITE STORAGE							
Sum							2,105.00-
00002 SOUTHERN TIRE MART #9 (M 9031208	00179305 17001044	TIRES U#16048 TRUCK	05/18/18	264136		312.26-	-----
SOUTHERN TIRE MART #9 (M							
Sum							312.26-
00002 SPIRE ENERGY	5/18 PKS/REC 00201815 17001083	MNTHLY GAS-PARKS & REC	05/18/18	264141		44.06-	-----
SPIRE ENERGY							
Sum							44.06-
00002 STANDARD OFFICE SUPPLY C 0076892-001	00179088 17001018	OFFICE SUPP TATUM REC OFFICE	05/18/18	264142		200.77-	
00002 STANDARD OFFICE SUPPLY C 0077040-001	00179088 17001019	OFFICE SUPP TATUM REC OFFICE	05/18/18	264142		14.53-	-----
STANDARD OFFICE SUPPLY C							
Sum							215.30-
00002 TERRELL, WINSTON	OFFICIAL 4/1 02018564 17001057	OFFICIAL-ADULT SOFTBALL	05/18/18	264149		380.00-	-----
TERRELL, WINSTON							
Sum							380.00-
00002 THOMPSON, JESSE	OFFICIAL 4/1 02018564 17001055	OFFICIAL-ADULT BASKETBALL	05/18/18	264150		200.00-	-----
THOMPSON, JESSE							
Sum							200.00-
00002 TROTTER, COREY	OFFICIAL 4/1 02018564 17001065	OFFICIAL-ADULT SOFTBALL	05/18/18	264154		660.00-	-----
TROTTER, COREY							
Sum							660.00-
00002 TROTTER, WILLIE	OFFICIAL 4/1 02018564 17001066	OFFICIAL-ADULT SOFTBALL	05/18/18	264155		540.00-	-----
TROTTER, WILLIE							
Sum							540.00-
00002 TRUCKS PLUS AUTO ACCESSO 36938	00178981 17001046	TAIL LIGHT U#9167 TRUCK	05/18/18	264156		40.00-	
00002 TRUCKS PLUS AUTO ACCESSO 37064	00179520 17001048	REPR TRAILER LIGHT U#16048	05/18/18	264156		40.00-	-----
TRUCKS PLUS AUTO ACCESSO							
Sum							80.00-
00002 VARNADO, ALEXANDRIA	SPORTS SERVS 02018565 17001078	SPORTS SUPPORT SERVICES	05/18/18	264163		376.00-	-----
VARNADO, ALEXANDRIA							
Sum							376.00-
00002 VARNADO, UNDRA	SPORTS SERVS 02018565 17001079	SPORTS SUPPORT SERVICES	05/18/18	264164		600.00-	-----
VARNADO, UNDRA							
Sum							600.00-
00002 VASQUEZ, LINDA M	OFFICIAL 4/1 02018564 17001059	OFFICIAL-ADULT SOFTBALL	05/18/18	264165		240.00-	-----
VASQUEZ, LINDA M							

Date - 05/16/18

Check No.	Check Amount
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Date - 05/16/18

Check No.	Check Amount
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CITY OF HATTIESBURG
DOCKET OF CLAIMS
PERIOD ENDING MAY 18, 2018

Date - 05/16/18

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATER & SEWER OPERATION/MAINT.							
00009 ANOINTED HANDS SERVICES,	5556	00179292	17001087	SERVICE 5/18 WTR PLANT	05/18/18	263850	488.00-
ANOINTED HANDS SERVICES,							
Sum							488.00-
00009 AT&T MOBILITY	287273578351	00179554	17001135	WIRELESS SERV 4/18 WTR DEPT	05/18/18	263860	1,718.15-
00009 AT&T MOBILITY	287273861504	00179644	17001154	GPS TRACKING 4/18 WTR PLANT	05/18/18	263860	274.72-
AT&T MOBILITY							
Sum							1,992.87-
00009 BLOSSMAN GAS INC	3944490	00179287	17001116	PROPANE FOR PLANT FORKLIFT	05/18/18	263870	104.00-
00009 BLOSSMAN GAS INC	3946908	00179287	17001132	CREDIT INV#3944490	05/18/18	263870	26.00
BLOSSMAN GAS INC							
Sum							78.00-
00009 BODY TECH INC	4672	00179423	17001136	TOWING U#20049 WTR BILLING	05/18/18	263874	55.00-
BODY TECH INC							
Sum							55.00-
00009 BONNER ANALYTICAL TESTIN	65791	00179159	17001054	TESTS 4/18 SOUTH LAGOON	05/18/18	263875	1,217.90-
BONNER ANALYTICAL TESTIN							
Sum							1,217.90-
00009 CAMPER CITY OF HATTIESBU	40581	00177536	17001105	TRAILER PLUG/LIGHTS U#19825	05/18/18	263890	175.00-
00009 CAMPER CITY OF HATTIESBU	40546	00177776	17001106	REWIRE TRAILER LIGHTS U#16105	05/18/18	263890	400.00-
CAMPER CITY OF HATTIESBU							
Sum							575.00-
00009 CARQUEST AUTO PARTS STOR	14758-105990	00177640	17001090	REPAIR PARTS U#9223 TRANS	05/18/18	263893	148.69-
00009 CARQUEST AUTO PARTS STOR	14758-107440	00178732	17001091	REPR PTS VARI TRANS UNITS	05/18/18	263893	71.64-
00009 CARQUEST AUTO PARTS STOR	14758-107228	00178620	17001092	REPR PARTS U#11211 SEWER	05/18/18	263893	162.59-
00009 CARQUEST AUTO PARTS STOR	14758-107507	00178745	17001093	REPR PARTS U#11211 SEWER	05/18/18	263893	50.38-
00009 CARQUEST AUTO PARTS STOR	14758-105751	00177724	17001102	REPR PTS U#11912/14142 SEWER	05/18/18	263893	521.41-
CARQUEST AUTO PARTS STOR							
Sum							954.71-
00009 CENTRAL PIPE SUPPLY INC	S100138184.0	00178942	17001078	PLUMB SUPP CLAMPS TRANS STOCK	05/18/18	263897	2,239.56-
00009 CENTRAL PIPE SUPPLY INC	S100138184.0	00178942	17001079	PLUMB SUPP CLAMPS TRANS STOCK	05/18/18	263897	1,278.48-
CENTRAL PIPE SUPPLY INC							
Sum							3,518.04-
00009 CERTIFIED LABORATORIES	3124720	00179136	17001103	CHEMICALS FOR LIFT STATIONS	05/18/18	263899	7,596.60-
00009 CERTIFIED LABORATORIES	3128537	00179331	17001143	CHEMICALS SEWER DEPT	05/18/18	263899	13,926.00-
CERTIFIED LABORATORIES							
Sum							21,522.60-

00009	CINTAS CORPORATION	#J66	J66580164	00179155	17001048	UNIFORMS 4/12 WTR SERVICE MEN	05/18/18	263905	28.74-
00009	CINTAS CORPORATION	#J66	J66581412	00179155	17001049	UNIFORMS 4/19 WTR SERVICE MEN	05/18/18	263905	34.74-
00009	CINTAS CORPORATION	#J66	J66582671	00179155	17001050	UNIFORMS 4/26 WTR SERVICE MEN	05/18/18	263905	28.74-
00009	CINTAS CORPORATION	#J66	J66583079	00179195	17001070	UNIFORMS 4/30 TRANS	05/18/18	263905	71.00-
00009	CINTAS CORPORATION	#J66	J66583080	00179195	17001071	MOP/MAT 4/30 PLANT	05/18/18	263905	13.93-
00009	CINTAS CORPORATION	#J66	J66583079	00179195	17001072	UNIFORMS 4/30 PLANT	05/18/18	263905	47.06-
00009	CINTAS CORPORATION	#J66	J66583079	00179195	17001073	UNIFORMS 4/30 SEWER	05/18/18	263905	43.02-
00009	CINTAS CORPORATION	#J66	J66583079	00179195	17001074	UNIFORMS 4/30 LAGOON	05/18/18	263905	25.87-
00009	CINTAS CORPORATION	#J66	J66584342	00179358	17001095	UNIFORMS 5/07 TRANS	05/18/18	263905	148.00-
00009	CINTAS CORPORATION	#J66	J66584343	00179358	17001096	MOP/MAT 5/07 PLANT	05/18/18	263905	13.93-
00009	CINTAS CORPORATION	#J66	J66584342	00179358	17001097	UNIFORMS 5/07 PLANT	05/18/18	263905	47.06-
00009	CINTAS CORPORATION	#J66	J66584342	00179358	17001098	UNIFORMS 5/07 SEWER	05/18/18	263905	43.02-
00009	CINTAS CORPORATION	#J66	J66584342	00179358	17001099	UNIFORMS 5/07 LAGOON	05/18/18	263905	25.87-
00009	CINTAS CORPORATION	#J66	J66585618	00179561	17001137	UNIFORMS 5/14 TRANS	05/18/18	263905	71.00-
00009	CINTAS CORPORATION	#J66	J66585619	00179561	17001138	MOP/MAT 5/14 PLANT	05/18/18	263905	13.93-
00009	CINTAS CORPORATION	#J66	J66585618	00179561	17001139	UNIFORMS 5/14 PLANT	05/18/18	263905	53.87-
00009	CINTAS CORPORATION	#J66	J66585618	00179561	17001140	UNIFORMS 5/14 SEWER	05/18/18	263905	43.02-
00009	CINTAS CORPORATION	#J66	J66585618	00179561	17001141	UNIFORMS 5/14 LAGOON	05/18/18	263905	25.87-

CINTAS CORPORATION #J66									
Sum									
00009	CITY OF HATTIESBURG FUND	TRF 1ST 5/18	02018559	17001094	TRF 1ST 5/18	PAYROLL	05/09/18	22113	778.67-
90,884.29-									

CITY OF HATTIESBURG FUND									
Sum									
00009	COBURN'S SUPPLY CO INC	60919002	00177451	17001101	PLUMB SUPP TRANS STOCK		05/18/18	263908	90,884.29-
00009	COBURN'S SUPPLY CO INC	CM60115263	00177451	17001104	CREDIT		05/18/18	263908	1,335.96-
00009	COBURN'S SUPPLY CO INC	601077833	00178979	17001108	PLUMB SUPP TRANS STOCK		05/18/18	263908	48.00
00009	COBURN'S SUPPLY CO INC	601077833-1	00178979	17001109	PLUMB SUPP TRANS STOCK		05/18/18	263908	1,165.09-
00009	COBURN'S SUPPLY CO INC	601077833-2	00178979	17001110	PLUMB SUPP TRANS STOCK		05/18/18	263908	535.10-
128.85-									

COBURN'S SUPPLY CO INC									
Sum									
00009	COMMERCIAL STATIONERY CO	411170-0	00178292	17001075	OFFICE SUPP WTR PLANT		05/18/18	263912	3,117.00-
190.38-									

COMMERCIAL STATIONERY CO									
Sum									
00009	CONTROL SYSTEMS INC	55476	00178895	17001055	REPRS E LAUREL LIFT STA		05/18/18	263916	190.38-
3,134.00-									

CONTROL SYSTEMS INC									
Sum									
00009	COVINGTON SALES & SERVIC	79417	00179247	17001150	REPR PTS SEWER VAC TRUCK		05/18/18	263921	3,134.00-
424.40-									

COVINGTON SALES & SERVIC									
Sum									
00009	COWBOY MALONEY'S ELECTRI	TP5992	00179208	17001076	REFRIGERATOR WTR PLT #2		05/18/18	263922	424.40-
419.88-									

COWBOY MALONEY'S ELECTRI									
Sum									
00009	D P C ENTERPRISES LP	212000825-18	00179060	17001086	CHEMICALS NORTH LAGOON		05/18/18	263925	419.88-
4,708.00-									

D P C ENTERPRISES LP									

Sum							4,708.00-
00009 ELKINS WHOLESALE INC	341961	00177918 17001068 RUBBER STEEL TOE BOOTS STOCK	05/18/18	263936		420.07-	
00009 ELKINS WHOLESALE INC	341961-01	00177918 17001069 RUBBER STEEL TOE BOOTS STOCK	05/18/18	263936		271.81-	

ELKINS WHOLESALE INC							
Sum							691.88-
00009 EMPIRE TRUCK SALES (H'BU RE006027400:		00177486 17001152 REPRS U#13176 SEWER DEPT	05/18/18	263939		952.01-	

EMPIRE TRUCK SALES (H'BU							
Sum							952.01-
00009 GARNER LUMLEY ELECTRIC S	548976	00166211 17001117 ELEC SUPP WTR PLANT	05/18/18	263954		39.08-	

GARNER LUMLEY ELECTRIC S							
Sum							39.08-
00009 GRINER DRILLING SERVICE	R-51181	00176652 17001107 REPR WELL#2 PLT#2	05/18/18	263971		38,440.00-	
00009 GRINER DRILLING SERVICE	R40582	00179452 17001120 REPRS WELL #5 PLANT #2	05/18/18	263971		764.00-	

GRINER DRILLING SERVICE							
Sum							39,204.00-
00009 INDUSTRIAL CHEMICALS INC	409217 & 411	00176492 17001115 CHEMICALS WTR PLANTS	05/18/18	264000		15,857.00-	

INDUSTRIAL CHEMICALS INC							
Sum							15,857.00-
00009 IRBY, STUART C CO	S010602666.0	00177215 17001088 LIGHT FIXTURES GREEN'S OFFICE	05/18/18	264002		232.22-	

IRBY, STUART C CO							
Sum							232.22-
00009 KEYES, ANTHONY	TRAV ADVANCE	00179444 17001118 TRAV ADV MSRWA CERTIF COURSE	05/18/18	264017		504.95-	

KEYES, ANTHONY							
Sum							504.95-
00009 L & A CONTRACTING CO	483-107	00179453 17001131 AERATOR MNT 4/23-5/6 LAGOONS	05/18/18	264019		50,429.82-	

L & A CONTRACTING CO							
Sum							50,429.82-
00009 LAMAR AUTO SALVAGE INC	590010	00178099 17001142 ENGINE WTR PLANT UNIT	05/18/18	264020		600.00-	
00009 LAMAR AUTO SALVAGE INC	582342	00175331 17001145 REPR PTS U#14142 SEWER	05/18/18	264020		460.00-	

LAMAR AUTO SALVAGE INC							
Sum							1,060.00-
00009 LANCASTER'S MACHINE & WE	23469	00177281 17001084 HAND TOOLS WTR SERVICE MEN	05/18/18	264023		288.00-	
00009 LANCASTER'S MACHINE & WE	23462	00177775 17001085 WTR LINE CUT-OFF TOOL TRANS	05/18/18	264023		75.00-	
00009 LANCASTER'S MACHINE & WE	23447	00177163 17001089 REPRS U#19778/19777 SEWER	05/18/18	264023		600.00-	
00009 LANCASTER'S MACHINE & WE	23538	00179057 17001100 SECURITY MONITOR MOUNT PLATE	05/18/18	264023		45.00-	
00009 LANCASTER'S MACHINE & WE	23553	00177953 17001111 REPRS U#16166 TRANS	05/18/18	264023		1,650.00-	
00009 LANCASTER'S MACHINE & WE	23505	00178415 17001112 BRACKETS U#19845/2045 TRANS	05/18/18	264023		65.00-	
00009 LANCASTER'S MACHINE & WE	23504	00177956 17001113 FAB/INSTALL FINDERS U#19819	05/18/18	264023		700.00-	
00009 LANCASTER'S MACHINE & WE	23540	00177956 17001114 TRAILER RAIL RAMP	05/18/18	264023		1,750.00-	

LANCASTER'S MACHINE & WE							
Sum							5,173.00-
00009 MCELHANEY PLUMBING INC	267628	00179449 17001149 PLUMB SUPP TRANS DEPT	05/18/18	264034		143.90-	

MCELHANEY PLUMBING INC							
Sum							143.90-
00009	MITCHELL TOOL SALES & SE	99870	00179249	17001153	HAND TOOLS RESTOCK MAINT BAGS	05/18/18	264040 1,982.16-

MITCHELL TOOL SALES & SE							
Sum							1,982.16-
00009	MS POWER COMPANY	5/18 W&SO&M	00201815	17001146	MNTHLY ELEC-W&SO&M	05/18/18	264053 37,802.44-

MS POWER COMPANY							
Sum							37,802.44-
00009	MS RURAL WATER ASSN	REG KEYES 8/	00179441	17001121	REG KEYES SHORT COURSE	05/18/18	264054 290.00-
00009	MS RURAL WATER ASSN	REG WHITE 8/	00179441	17001122	REG WHITE SHORT COURSE	05/18/18	264054 290.00-

MS RURAL WATER ASSN							
Sum							580.00-
00009	MS STATE/DEPT OF HEALTH/	18-120542 WT	00179294	17001083	WTR HEATER INSP WTR BILLING	05/18/18	264056 30.00-

MS STATE/DEPT OF HEALTH/							
Sum							30.00-
00009	PEARL RIVER VALLEY EPA (	5/18 W&SO&M	00201815	17001133	MNTHLY 5/18 PUBLIC SERVICES	05/18/18	264074 8,938.12-

PEARL RIVER VALLEY EPA (							
Sum							8,938.12-
00009	POWER PLUS INC	56958	00172280	17001151	TRIMMER REPR WTR PLANT	05/18/18	264090 129.53-

POWER PLUS INC							
Sum							129.53-
00009	PUCKETT RENTS	650574-0001	00178876	17001051	TRASH PUMP TRANS DEPT	05/18/18	264097 1,750.00-
00009	PUCKETT RENTS	650577-0001	00178918	17001052	SUCTION HOSES/CAMLOCKS TRANS	05/18/18	264097 249.96-
00009	PUCKETT RENTS	650155-0001	00175712	17001053	AIR HOSES SEWER DEPT	05/18/18	264097 158.00-
00009	PUCKETT RENTS	651136-0001	00177941	17001130	GAS RAMMER FOR SEWER DEPT	05/18/18	264097 2,999.00-

PUCKETT RENTS							
Sum							5,156.96-
00009	RJM MCQUEEN CONTRACTING	1518	00179499	17001124	SWR REPRS RIVER AVE/BUSCHMAN	05/18/18	264109 7,555.00-
00009	RJM MCQUEEN CONTRACTING	1519	00179499	17001125	SWR REPRS ROSA AVE/DABBS ST	05/18/18	264109 12,666.95-
00009	RJM MCQUEEN CONTRACTING	1520	00179499	17001126	SWR REPRS PINEHURST & HARDY	05/18/18	264109 8,549.30-
00009	RJM MCQUEEN CONTRACTING	1521	00179499	17001127	SWR REPRS S 40TH/ O'FERRELL	05/18/18	264109 13,655.50-
00009	RJM MCQUEEN CONTRACTING	1522	00179499	17001128	SWR REPRS PINEHURST	05/18/18	264109 3,145.32-
00009	RJM MCQUEEN CONTRACTING	1525	00179499	17001129	APRIL 2018 PUMPING	05/18/18	264109 15,838.40-

RJM MCQUEEN CONTRACTING							
Sum							61,410.47-
00009	RYAN MOTORS INC	267361	00178894	17001080	REPRS U#20057 TRANS	05/18/18	264111 229.24-
00009	RYAN MOTORS INC	267378	00178919	17001081	REPRS U#20056 TRANS	05/18/18	264111 262.70-
00009	RYAN MOTORS INC	266826	00178462	17001082	REPRS U#19777 LAGOON	05/18/18	264111 1,074.71-

RYAN MOTORS INC							
Sum							1,566.65-
00009	SOUTHERN PINE ELECTRIC P	5/18 W&SO&M	00201815	17001147	MNTHLY 5/18 PUBLIC SERVICES	05/18/18	264134 776.34-

Sum										776.34-
00009 SOUTHERN PIPE & SUPPLY C 1542944-00	00176537	17001123	PLUMB	SUPP	SEWER DEPT	05/18/18	264135			434.30-
00009 SOUTHERN PIPE & SUPPLY C 1874155-00	00179267	17001144	PLUMB	SUPP	SEWER DEPT	05/18/18	264135			3,114.72-

[illegible]

									Sum	323.76-
00009	U S POSTMASTER-POSTAGE (	POSTAGE FOR	00179566	17001134	POSTAGE FOR PERMIT#213	05/15/18	22114	10,000.00-		

Sum													10,000.00-
00009	WARREN	PAVING	INC	8891	00178234	17001056	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	493.68-
00009	WARREN	PAVING	INC	8938	00178234	17001057	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	780.33-
00009	WARREN	PAVING	INC	8986	00178234	17001058	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	247.45-
00009	WARREN	PAVING	INC	9029	00178234	17001059	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	336.27-
00009	WARREN	PAVING	INC	9087	00178234	17001060	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	553.09-
00009	WARREN	PAVING	INC	9098	00178234	17001061	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	217.44-
00009	WARREN	PAVING	INC	9114	00178234	17001062	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	325.24-
00009	WARREN	PAVING	INC	9227	00178234	17001063	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	328.31-
00009	WARREN	PAVING	INC	9234	00178234	17001064	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	523.08-
00009	WARREN	PAVING	INC	9241	00178234	17001065	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	227.24-
00009	WARREN	PAVING	INC	9276	00178234	17001066	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	387.11-
00009	WARREN	PAVING	INC	9330	00178234	17001067	HOT	ASPHALT	SEWER	DEPT	05/18/18	264175	332.59-

[illegible]

Sum	504.95-
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Sum	385,848.83-
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00011 FELTS, ONYAY	METER DEP RF 02018525 17000561 METER DEP RFD	05/18/18	263944	41.40-

FELTS, ONYAY				
Sum				41.40-
00011 GARNER PROPERTIES	METER DEP RF 02018525 17000565 METER DEP RFD	05/18/18	263955	225.00-

GARNER PROPERTIES				
Sum				225.00-
00011 GILLESPIE, GEORGE E	METER DEP RF 02018561 17000600 METER DEP RFD	05/18/18	263958	21.60-

GILLESPIE, GEORGE E				
Sum				21.60-
00011 GREEN, GARRETT	METER DEP RF 02018561 17000598 METER DEP RFD	05/18/18	263969	24.40-

GREEN, GARRETT				
Sum				24.40-
00011 GRIFFITH, DEIDRE	WTR OVRPMT R 02018542 17000570 WTR OVRPMT RFD	05/18/18	263970	97.96-

GRIFFITH, DEIDRE				
Sum				97.96-
00011 HATCH, ALICIA	METER DEP RF 02018561 17000582 METER DEP RFD	05/18/18	263978	24.40-

HATCH, ALICIA				
Sum				24.40-
00011 HATTIESBURG BICYCLE CENT	METER DEP RF 02018561 17000578 METER DEP RFD	05/18/18	263980	5.22-

HATTIESBURG BICYCLE CENT				
Sum				5.22-
00011 HAYES, JADE M	METER DEP RF 02018561 17000580 METER DEP RFD	05/18/18	263984	25.20-

HAYES, JADE M				
Sum				25.20-
00011 HAYNES, ANGELA D	METER DEP RF 02018525 17000559 METER DEP RFD	05/18/18	263985	41.20-

HAYNES, ANGELA D				
Sum				41.20-
00011 HENSLEY, TAYLER	METER DEP RF 02018561 17000587 METER DEP RFD	05/18/18	263987	21.40-

HENSLEY, TAYLER				
Sum				21.40-
00011 HOGAN, DIANE T	METER DEP RF 02018561 17000573 METER DEP RFD	05/18/18	263990	40.00-

HOGAN, DIANE T				
Sum				40.00-
00011 HOSMAN, LAWRENCE A	METER DEP RF 02018561 17000586 METER DEP RFD	05/18/18	263995	24.40-

HOSMAN, LAWRENCE A				
Sum				24.40-
00011 PARKER, MIKE	METER DEP RF 02018561 17000574 METER DEP RFD	05/18/18	264072	20.00-

PARKER, MIKE				
Sum				20.00-

00011 PITTMAN, JERRI	METER DEP RF 02018561 17000579 METER DEP RFD	05/18/18	264082	100.00-

PITTMAN, JERRI				
Sum				100.00-
00011 POWELL, MARY E	METER DEP RF 02018561 17000596 METER DEP RFD	05/18/18	264088	75.00-

POWELL, MARY E				
Sum				75.00-
00011 PRINE, GREGORY P	METER DEP RF 02018525 17000557 METER DEP RFD	05/18/18	264094	75.00-

PRINE, GREGORY P				
Sum				75.00-
00011 PRUTHVI INC. DBA COMFORT	METER DEP RF 02018525 17000556 METER DEP RFD	05/18/18	264095	400.00-

PRUTHVI INC. DBA COMFORT				
Sum				400.00-
00011 RAULSTON, SUSAN	METER DEP RF 02018561 17000599 METER DEP RFD	05/18/18	264098	24.40-

RAULSTON, SUSAN				
Sum				24.40-
00011 REI GROUP 301	WTR OVRPMT R 02018526 17000569 WTR OVRPMT RFD	05/18/18	264103	162.54-
00011 REI GROUP 301	METER DEP RF 02018561 17000584 METER DEP RFD	05/18/18	264103	75.00-

REI GROUP 301				
Sum				237.54-
00011 RENYOLDS, JAMES M JR	METER DEP RF 02018561 17000589 METER DEP RFD	05/18/18	264104	24.40-

RENYOLDS, JAMES M JR				
Sum				24.40-
00011 RITE AID PHARMACY	METER DEP RF 02018561 17000601 METER DEP RFD	05/18/18	264107	5.22-

RITE AID PHARMACY				
Sum				5.22-
00011 SKRMETTI, PAT	METER DEP RF 02018561 17000576 METER DEP RFD	05/18/18	264122	20.00-

SKRMETTI, PAT				
Sum				20.00-
00011 SMITH, COURTNEY	METER DEP RF 02018561 17000591 METER DEP RFD	05/18/18	264125	24.40-

SMITH, COURTNEY				
Sum				24.40-
00011 SPENCER, JAMEKA L	METER DEP RF 02018525 17000567 METER DEP RFD	05/18/18	264139	24.40-

SPENCER, JAMEKA L				
Sum				24.40-
00011 SVN SOUTHGATE REALITY LL	METER DEP RF 02018525 17000564 METER DEP RFD	05/18/18	264146	75.00-

SVN SOUTHGATE REALITY LL				
Sum				75.00-
00011 TANNER, R A	METER DEP RF 02018561 17000575 METER DEP RFD	05/18/18	264147	40.00-

TANNER, R A				

Date - 05/16/18

Vendor				Invoice Number	Purchase Order	Claims Number	Item Description			Check Date	Check No.	Check Amount
POLICE FORFEITURES FUND												
00019	EVIDENT	INC		131484A	00179209	17000047	CRIME	SCENE	GLOVES	05/18/18	263941	225.84-
00019	EVIDENT	INC		131484B	00179209	17000048	CRIME	SCENE	GLOVES	05/18/18	263941	318.00-

EVIDENT INC												
Sum												543.84-
00019	GEIGER	MIDSOUTH	(BROTHER	3501934	00175986	17000042	PROMO	ITEMS	CRIME PREVENTION	05/18/18	263957	371.25-
00019	GEIGER	MIDSOUTH	(BROTHER	3516730	00175986	17000043	PROMO	ITEMS	CRIME PREVENTION	05/18/18	263957	376.30-
00019	GEIGER	MIDSOUTH	(BROTHER	3548062	00175986	17000044	PROMO	ITEMS	CRIME PREVENTION	05/18/18	263957	379.79-
00019	GEIGER	MIDSOUTH	(BROTHER	3585460	00175986	17000045	PROMO	ITEMS	CRIME PREVENTION	05/18/18	263957	790.14-

GEIGER MIDSOUTH (BROTHER												
Sum												1,917.48-
00019	TOSHIBA	BUSINESS	SOLUTIO	14491075	00179432	17000046	COPIER	5/18	COMM RELATIONS	05/18/18	264153	341.94-

TOSHIBA BUSINESS SOLUTIO												
Sum												341.94-

Sum												2,803.26-

Date - 05/16/18

Check
Amount

1,000.00-

1,000.00-

1,000.00-

Date - 05/16/18

Check
Amount

83,000.00-

83,000.00-

83,000.00-

CITY OF HATTIESBURG
DOCKET OF CLAIMS
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Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount

TAX COLLECTOR'S FUND							
00027 CITY OF HATTIESBURG FUND	4/18 MILLAGE	02018530	17000078	4/18 MILLAGE DIST TO TIF	05/02/18	311859	343,109.00-

CITY OF HATTIESBURG FUND							343,109.00-
Sum							1,345.00-
00027 CITY OF HATTIESBURG FUND	4/18 MILLAGE	02018529	17000076	4/18 MILLAGE DIST TO TIF	05/02/18	311857	1,345.00-

CITY OF HATTIESBURG FUND							1,345.00-
Sum							22,158.27-
00027 LIBRARY, THE	4/18 MILLAGE	02018527	17000083	4/18 MILLAGE DIST 5/18	05/02/18	311864	22,158.27-

LIBRARY, THE							22,158.27-
Sum							366,612.27-

Date - 05/16/18

Check No.	Check Amount
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Date - 05/16/18

Check
Amount

5,225.00-

5,225.00-

5,225.00-

CITY OF HATTIESBURG
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Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
MASS TRANSIT FUND							
00073 ADVANCE AUTO PARTS	560480997606	00177526	17000310	REPR PTS U#20584/16759 BUSES	05/18/18	263841	275.84-
ADVANCE AUTO PARTS							
Sum							275.84-
00073 AT&T MOBILITY	287273578351	00179554	17000316	WIRELESS SERV 4/18 M TRANSIT	05/18/18	263860	118.68-
00073 AT&T MOBILITY	287273861504	00179644	17000318	GPS TRACKING 4/18 M TRANSIT	05/18/18	263860	156.60-
AT&T MOBILITY							
Sum							275.28-
00073 BOBBY'S MUFFLER & BRAKE	81355	00178676	17000297	WELD TAIL PIPE U#19552	05/18/18	263873	35.00-
BOBBY'S MUFFLER & BRAKE							
Sum							35.00-
00073 CARQUEST AUTO PARTS STOR	14758-108821	00179404	17000312	REPR PTS VARI UNITS	05/18/18	263893	973.42-
CARQUEST AUTO PARTS STOR							
Sum							973.42-
00073 CITY OF HATTIESBURG FUND TRF 1ST 5/18	02018559	17000307	TRF 1ST 5/18	PAYROLL	05/09/18	112717	27,795.26-
CITY OF HATTIESBURG FUND							
Sum							27,795.26-
00073 DOSSETT PONTIAC CADILLAC	47487	00179288	17000311	REPR PTS U#16759	05/18/18	263931	346.58-
DOSSETT PONTIAC CADILLAC							
Sum							346.58-
00073 ECOLANE USA INC	8126316	00179214	17000299	PARATRANSIT GPS 3/18-2/19	05/18/18	263933	8,675.00-
ECOLANE USA INC							
Sum							8,675.00-
00073 EMPIRE BODY SHOP LLC	RE006027864	00179251	17000302	ROAD CALL SERVICE U#16234 BUS	05/18/18	263938	429.28-
EMPIRE BODY SHOP LLC							
Sum							429.28-
00073 EMPIRE TRUCK SALES (H'BU	RE0069027805	00179103	17000298	ELEC REPRS U#16235 BUS	05/18/18	263939	1,282.88-
00073 EMPIRE TRUCK SALES (H'BU	RE006027901	00179277	17000314	REPLACE ALTERNATOR U#16235	05/18/18	263939	929.00-
EMPIRE TRUCK SALES (H'BU							
Sum							2,211.88-
00073 GILLIG LLC	40450187	00178910	17000291	REPR PTS U#16234 BUS	05/18/18	263959	971.14-
00073 GILLIG LLC	40451208	00178991	17000292	REPR PTS U#16234/16235 BUSES	05/18/18	263959	963.36-
00073 GILLIG LLC	40455101	00179263	17000313	REPR PTS U#16234/16234 BUSES	05/18/18	263959	1,049.62-
GILLIG LLC							
Sum							2,984.12-

00073 GREATER SOUTHEAST CONSTR APPL #2 HUB	00179443 17000309 CONSTR HUB CITY TRANSIT BLDG	05/18/18	263967	47,044.00-

GREATER SOUTHEAST CONSTR				
Sum				47,044.00-
00073 HUB CITY SPOKES	81695 00179302 17000303 BIDDERS AD M TRANSIT VEHICLE	05/18/18	263997	63.94-

HUB CITY SPOKES				
Sum				63.94-
00073 JERRY'S AUTOMOTIVE REPAI	19231 00179334 17000315 REPLACE FAN CLUTCH U#16759	05/18/18	264007	247.95-

JERRY'S AUTOMOTIVE REPAI				
Sum				247.95-
00073 LONDON & STETELMAN REALT	6/18 LEASE 1 00179333 17000305 06/18 LEASE MASS TRANS BLDG	05/18/18	264028	3,624.00-
00073 LONDON & STETELMAN REALT	5/18 LEASE A 00179333 17000306 BALANCE DUE MAY LEASE	05/18/18	264028	1,022.48-

LONDON & STETELMAN REALT				
Sum				4,646.48-
00073 MS POWER COMPANY	5/18 M TRANS 00201815 17000317 MNTHLY ELEC-MASS TRANSIT	05/18/18	264053	682.40-

MS POWER COMPANY				
Sum				682.40-
00073 MS STATE/EMP SECURITY CO	9200131000 4 00179466 17000308 UNEMP CLAIMS 1ST QTR 2018	05/18/18	264057	6.63-

MS STATE/EMP SECURITY CO				
Sum				6.63-
00073 NAPA AUTO PARTS	5930-574846 00178988 17000293 BATTERIES U#16234 BUS	05/18/18	264063	254.54-
00073 NAPA AUTO PARTS	5930-574845 00178989 17000294 BATTERIES U#16235 BUS	05/18/18	264063	376.92-
00073 NAPA AUTO PARTS	5930-574902 00179030 17000296 CIRCUIT TESTER FOR BUSES	05/18/18	264063	449.99-
00073 NAPA AUTO PARTS	5930-574974 00179065 17000301 REPR PTS U#19535/16759	05/18/18	264063	1,201.30-

NAPA AUTO PARTS				
Sum				2,282.75-
00073 SOUTHERN TIRE MART LLC	11145892 00179066 17000295 TIRES U#19552/19535 BUSES	05/18/18	264137	1,767.36-

SOUTHERN TIRE MART LLC				
Sum				1,767.36-
00073 WARING OIL CO (GULFPORT)	001662344 00179063 17000289 OIL/DEF FOR BUSES	05/18/18	264172	1,585.88-
00073 WARING OIL CO (GULFPORT)	001662354 00179063 17000290 OIL/DEF FOR BUSES	05/18/18	264172	259.88-

WARING OIL CO (GULFPORT)				
Sum				1,845.76-
00073 WATERS INTERNATIONAL TRU	085815651 00179218 17000304 REPR BUS #18572	05/18/18	264178	1,540.66-

WATERS INTERNATIONAL TRU				
Sum				1,540.66-

Sum				104,129.59-

CITY OF HATTIESBURG

DOCKET OF CLAIMS

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WATER&SEWER CONSTRUCTION FUND							
00075 SHOWS DEARMAN & WAITS IN 20206		00179599	17000099	SRV 3/24-4/28 PRIORITY AREA	05/18/18	264121	7,367.50-
00075 SHOWS DEARMAN & WAITS IN 20207		00179600	17000100	SRV 3/24-4/28 SEWER MGMT PH I	05/18/18	264121	4,443.50-
00075 SHOWS DEARMAN & WAITS IN 20208		00179601	17000101	SRV 3/24-4/28 PLT#2 WAREHOUSE	05/18/18	264121	690.00-
00075 SHOWS DEARMAN & WAITS IN 20205		00179598	17000102	SRV 3/24-4/28 L FORGETFUL RD	05/18/18	264121	1,137.50-
00075 SHOWS DEARMAN & WAITS IN 20202		00179596	17000103	SRV 3/24-4/28 LAMAR BLVD IMPV	05/18/18	264121	8,683.45-
00075 SHOWS DEARMAN & WAITS IN 20203		00179602	17000104	SRV 3/24-4/28 2017 WTR SYS	05/18/18	264121	7,848.74-
00075 SHOWS DEARMAN & WAITS IN 20237		00179622	17000105	SRV 3/24-4/28 N 40TH/N 39TH	05/18/18	264121	1,137.50-
00075 SHOWS DEARMAN & WAITS IN 20201		00179623	17000106	SRV 3/24-4/28 KATIE/ARLEDGE	05/18/18	264121	23,069.20-
00075 SHOWS DEARMAN & WAITS IN 20199		00179616	17000107	SRV 1/22-2/21 I&I STUDY	05/18/18	264121	529,506.50-

SHOWS DEARMAN & WAITS IN							
Sum							583,883.89-

Sum							583,883.89-

CITY OF HATTIESBURG
DOCKET OF CLAIMS
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COMMUNITY CENTERS' FUND							
00077 AMERICAN AIR SPECIALISTS	92892	00179182	17000319	REPR PIPES SHERRILL BASEMENT	05/18/18	263847	455.57-
AMERICAN AIR SPECIALISTS							
Sum							455.57-
00077 ASSA ABLOY ENTRANCE SYST	SEI/01180937	00178884	17000354	HANDICAP PUSHPLATE SIGLER CTR	05/18/18	263853	150.00-
ASSA ABLOY ENTRANCE SYST							
Sum							150.00-
00077 AT&T MOBILITY	287273578351	00179554	17000349	WIRELESS SERV 4/18 COMM CNTRS	05/18/18	263860	60.84-
AT&T MOBILITY							
Sum							60.84-
00077 AUTO ARMATURE SERVICE IN	12215	00179370	17000334	BATTERY U#19098 COMM CNTR	05/18/18	263861	127.95-
AUTO ARMATURE SERVICE IN							
Sum							127.95-
00077 B CLEAN LLC	47046	00178625	17000317	GARBAGE DISPOSAL SIGLER CNTR	05/18/18	263864	1,870.00-
B CLEAN LLC							
Sum							1,870.00-
00077 BERRY, DANA (REFUND)	SHERRILL CEN	02018569	17000346	DAMAGE DEPOSIT REFUND	05/18/18	263867	100.00-
BERRY, DANA (REFUND)							
Sum							100.00-
00077 CASH & CARRY CLEANERS	3146	00179414	17000339	5 TABLECLOTHS CITY EVENTS	05/18/18	263896	50.00-
CASH & CARRY CLEANERS							
Sum							50.00-
00077 CINTAS CORPORATION #J66	J66578583	00179250	17000327	UNIFORMS 4/04 COMM CNTRS	05/18/18	263905	48.30-
00077 CINTAS CORPORATION #J66	J66579833	00179250	17000328	UNIFORMS 4/11 COMM CNTRS	05/18/18	263905	48.30-
00077 CINTAS CORPORATION #J66	J66581089	00179250	17000329	UNIFORMS 4/18 COMM CNTRS	05/18/18	263905	48.30-
00077 CINTAS CORPORATION #J66	J66582336	00179250	17000330	UNIFORMS 4/25 COMM CNTRS	05/18/18	263905	56.30-
CINTAS CORPORATION #J66							
Sum							201.20-
00077 CITY OF HATTIESBURG FUND	TRF 1ST 5/18	02018559	17000333	TRF 1ST 5/18 PAYROLL	05/09/18	311867	21,533.86-
CITY OF HATTIESBURG FUND							
Sum							21,533.86-
00077 COURTNEY'S RESTAURANT EQ	12021	00179213	17000326	CLEAN ICE MACH VARI CENTERS	05/18/18	263919	823.65-
COURTNEY'S RESTAURANT EQ							
Sum							823.65-
00077 ELKINS WHOLESALE INC	347031-00	00179320	17000335	JANIT SUPP COMM CENTERS	05/18/18	263936	1,059.55-

ELKINS WHOLESALE INC

Sum								1,059.55-
00077 HATTIESBURG AREA HISTORI CULTURAL CEN	02018569	17000347	DAMAGE DEPOSIT REFUND	05/18/18	263979			250.00-

HATTIESBURG AREA HISTORI

Sum								250.00-
00077 INNOVATIVE SERVICE SOLUT	20180059	00178592	17000336 DEFIBRILATOR PADS COMM CNTRS	05/18/18	264001			486.60-

INNOVATIVE SERVICE SOLUT

Sum								486.60-
00077 JACKSON, ROOSEVELT III	773408	00178901	17000332 PAINT E 5TH ST COMM CTR	05/18/18	264004			4,480.00-

JACKSON, ROOSEVELT III

Sum								4,480.00-
00077 LOWE'S OF HATTIESBURG IN	953870	00178386	17000320 ALUM BLINDS SHERRILL CENTER	05/18/18	264030			109.14-
00077 LOWE'S OF HATTIESBURG IN	953962	00178509	17000321 WINDOW BLINDS STORAGE ROOM	05/18/18	264030			26.91-
00077 LOWE'S OF HATTIESBURG IN	967097	00178386	17000324 CREDIT RETURN	05/18/18	264030			24.67

LOWE'S OF HATTIESBURG IN

Sum								111.38-
00077 MCQUAGGE PRODUCTIONS	1133	00178898	17000337 MOUNT SPEAKERS SHERRILL AUD	05/18/18	264035			756.22-

MCQUAGGE PRODUCTIONS

Sum								756.22-
00077 MOBLEY, NEISHA (REFUND)	SHERRILL CEN	02018569	17000344 DAMAGE DEPOSIT REFUND	05/18/18	264042			100.00-

MOBLEY, NEISHA (REFUND)

Sum								100.00-
00077 MS FIRE & SAFETY OF HBUR	60845	00179501	17000340 COMBO ALARMS MCNAIR CENTER	05/18/18	264050			950.00-
00077 MS FIRE & SAFETY OF HBUR	60846	00179501	17000341 COMBO ALARMS SIGLER CENTER	05/18/18	264050			380.00-

MS FIRE & SAFETY OF HBUR

Sum								1,330.00-
00077 MS POWER COMPANY	5/18 COMM CN	00201815	17000352 MNTHLY ELEC-COMM CENTERS	05/18/18	264053			1,979.24-

MS POWER COMPANY

Sum								1,979.24-
00077 MS STATE/DEPT OF HEALTH/	18-120587 CO	00179296	17000331 WTR HEATER INSP VARI CENTERS	05/18/18	264056			90.00-

MS STATE/DEPT OF HEALTH/

Sum								90.00-
00077 NEWELL PAPER COMPANY	4027488	00179323	17000343 JANIT SUPP COMM CENTERS	05/18/18	264065			179.58-

NEWELL PAPER COMPANY

Sum								179.58-
00077 PRECISION FAB & REFURBIS	00001	00178803	17000342 REPR HAND RAILS CULTURAL CNTR	05/18/18	264093			1,793.00-

PRECISION FAB & REFURBIS

Sum								1,793.00-
00077 REGIONS CARDHOLDER SERVI	7079 4/30/18	00179127	17000338 TABLE CE ROY MOTHERS LOUNGE	05/18/18	264102			85.59-

REGIONS CARDHOLDER SERVI

Date - 05/16/18

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
	-----	-----	-----	-----	-----	-----	-----
COMMUNITY DEVELOP. BLOCK GRANT							
00082 AT&T MOBILITY	287273578351	00179554	17000085	WIRELESS SERV 4/18 CDBG	05/18/18	263860	60.84-

AT&T MOBILITY							
Sum							60.84-
00082 CITY OF HATTIESBURG FUND TRF 1ST 5/18	02018559	17000083	TRF 1ST 5/18 PAYROLL	05/09/18	311868		3,944.79-

CITY OF HATTIESBURG FUND							
Sum							3,944.79-
00082 JORDAN, KEVIN	TRAVEL REIMB	00179446	17000084	TRVL REIMB APA CONF N ORLEANS	05/18/18	264013	128.04-

JORDAN, KEVIN							
Sum							128.04-
00082 RJ YOUNG COMPANY	INV2445406	00179175	17000081	COPIER 3/28-4/27 COMM DEV DIV	05/18/18	264108	187.00-

RJ YOUNG COMPANY							
Sum							187.00-

Sum							4,320.67-

Grand Total Level							
Sum							4,292,106.61-



City of Hattiesburg, MS

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

Master

File Number: 2018-476

File ID: 2018-476

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Ginger Lowrey

File Created: 05/18/2018

Brief Title: Public Notice to set hearing to publish in HubCity
Spokes on May 31, 2018 (18 days prior June 18, 2018
hearing

Final Action:

Minute Book Number: MB2018-135

Title: Acknowledge receipt of request to reschedule filed by Joel Johnson, attorney, for the hearing to appeal the Planning Commission's recommendation for the petition filed by Utpal Patel, Owner to change the zoning classification for a certain property located at 208 North 38th Avenue (Parcel 2-028L-07-144.01, PPIN 41562, Ward 1) from Section 4.5.9, B-2 (Neighborhood Business) District to Section 4.5.10, B-3 (Community Business) District; Hattiesburg Planning Commission recommended to Deny on April 4, 2018; Set a public hearing before City Council on June 18, 2018 at 4:00 p.m. and authorize publication of Public Notice setting an Appeal Public Hearing.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number: VII.-5

Sponsors:

Enactment Date:

Attachments: 208 N 38th Ave - Appeal hearing delay request
5-17-18, Appeal - 208 N 38th Ave, Public Notice - 208
N 38th Ave Resch Appeal Hearing

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/21/2018					
1	City Council	05/22/2018					

Text of Legislative File 2018-476

Title

Acknowledge receipt of request to reschedule filed by Joel Johnson, attorney, for the hearing to appeal the Planning Commission's recommendation for the petition filed by by Utpal Patel, Owner to change the zoning classification for a certain property located at 208 North 38th Avenue (Parcel 2-028L-07-144.01, PPIN 41562, Ward 1) from Section 4.5.9, B-2 (Neighborhood Business) District to Section 4.5.10, B-3 (Community Business) District; Hattiesburg Planning Commission recommended to Deny on April 4, 2018; Set a public hearing before City Council on June 18, 2018 at 4:00 p.m. and authorize publication of Public Notice setting an Appeal Public Hearing.

Summary

Acknowledge receipt of appeal and Set Appeal Hearing for 4 p.m. June 18, 2018, for 208 North 38th Avenue - Rezone to B-3.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

Public Notice to set hearing to publish in HubCity Spokes on May 31,2018 (18 days prior June 18, 2018 hearing).

JOHNSON, RATLIFF & WAIDE, PLLC

Attorneys at Law
Second Floor
Great Southern National Bank Building
1300 Hardy Street
Hattiesburg, MS 39401

Telephone: (601) 582-4553
Telefax: (601) 582-4556
E-Mail: jj@jhrlaw.net

S. Joel Johnson
Michael V. Ratliff
Daniel M. Waide

P. O. Box 17738
Hattiesburg, MS 39404-7738

May 17, 2018

VIA EMAIL - glowrey@hattiesburgms.com
AND TELEFAX - 601-545-1962

Ms. Ginger Maddox Lowrey, AICP, CFM
Planning Division Manager
City of Hattiesburg
200 Forrest Street
Hattiesburg, MS 39401

Re: 208 N. 38th Avenue, Lot 30, Hattiesburg, MS 39401

Dear Ms. Lowrey:

This letter will confirm my call to your office yesterday concerning this matter. I am requesting a two-week postponement or re-setting of the public hearing on May 21, 2018, and council action the following day. At this time I already have other pressing matters scheduled and will not be able to attend either event. I would appreciate an extension in order to attend. Thanks.

With best regards, I remain

Sincerely yours,

JOHNSON, RATLIFF & WAIDE, PLLC



S. Joel Johnson

SJJ/lcf



Send to:
Andrew Ellard, Director of Urban Development
Dept. of Urban Development
P.O. Box 1898
Hattiesburg, MS 39403
601.545.4599 or fax 601.545.1962

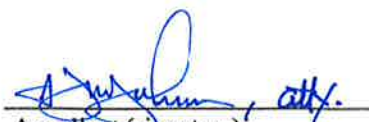
**REQUEST TO APPEAL PLANNING COMMISSION OR BOARD OF ADJUSTMENTS
RECOMMENDATION**

Today's Date:	4/13/18
Planning Commission or Board of Adjustment Date:	4/4/18
(Appeals must be made within ten consecutive days of the recommendation)	
Name of Property Owner/Petitioner:	Utpal Patel
Name of Person Requesting Appeal Hearing:	S. Joel Johnson, Attorney for Utpal Patel
Mailing Address of Person Requesting Appeal Hearing:	PO Box 17738 Hattiesburg, MS 39404
Address of Petitioned Property:	208 North 38th Avenue Hattiesburg, MS 39401
Petitioner's Request of the Planning Commission or Board of Adjustments:	to change zoning classification for a certain property located at 208 North 38th Avenue (Parcel 2-0286-07-144.01, PPIN 41562, Ward 1) from section 4.5.9, B-2 (Neighborhood business)
Planning Commission or Board of Adjustment's Recommendation:	Approve ☐ or Deny ☒

District to Section 4.5.10, B-3 (Community Business) District

I/We hereby APPEAL the Planning Commission or Board of Adjustment's Recommendation for the above reference petition and request to hold a Public Hearing before the Hattiesburg City Council.

Utpal Patel
Appellant (print)


Appellant (signature)

PUBLIC HEARING

NOTICE is hereby given that a petition has been filed by Utpal Patel, Owner, as required in the Land Development Code, Ord. No. 3209, to change the zoning classification for a certain property located at 208 North 38th Avenue (Parcel 2-028L-07-144.01, PPIN 41562, Ward 1) from Section 4.5.9, B-2 (Neighborhood Business) District to Section 4.5.10, B-3 (Community Business) District. Said property being more particularly described as follows, to-wit:

Lots 1, 2 and the East 40 feet of Lot 3, Block 20, of Pinecrest Second Survey, Forrest County, Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi; all together with all improvements thereon and appurtenances thereunto belonging.

After hearing, the Hattiesburg Planning Commission recommended that the petition be Denied, and Joel Johnson, Attorney, and Utpal Patel, Owner, being aggrieved with the recommendation, filed a request for hearing before the Mayor and City Council of the City of Hattiesburg, as provided by law.

NOW, THEREFORE, NOTICE IS GIVEN that a public hearing in relation to the petition as hereinabove set forth is rescheduled at the request of the appeal applicant and will be held at 4:00 p.m., Monday, June 18, 2018, in the City Hall Building, Second Floor, City Council Room, 200 Forrest Street, Hattiesburg, Mississippi, at which time and at which said hearing all parties of interest and citizens shall have an opportunity to be heard.

WITNESS my signature and the official seal of said City on this, the 22nd day of May, 2018.

CITY OF HATTIESBURG, MISSISSIPPI

BY: Kermas Eaton /s/
CITY CLERK

(SEAL)

Publish (1) Thursday, May 31, 2018
City of Hattiesburg
Return PROOF to City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403-1898

City of Hattiesburg, MS

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



Meeting Agenda - Final

Tuesday, May 22, 2018

5:00 PM

Council Chambers

City Council - Amendments to the Agenda

Remove Policy Agenda Item VI.-2 at the request of the Administration.

Add Routine Agenda Item VII.-6 at the request of the Administration as follows:

- VII.-6** [2018-472](#) Acknowledge bids received on May 10, 2018 for the Comprehensive Sewer/Water Improvements Phase X - Quinn Street Area Project and accept the bid from Grady Crawford Construction Co., Inc. of Baton Rouge, LA as per the recommendation of the consulting engineer; Authorize Mayor to execute contracts upon preparation.

Attachments: [1273-S011 Recommend Award Letter](#)
 [1273-S011 Opinion of Withdrawal of Bid \(002\)](#)
 [1273-S011 Bid Tab](#)
 [1273S011 Plans Street Ready Set 2018-03-27](#)
 [1273-S011 Specs Street Ready 2018 03 27](#)



City of Hattiesburg, MS

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

Master

File Number: 2018-472

File ID: 2018-472

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

Requester: Lamar Rutland

File Created: 05/14/2018

Brief Title: Acknowledge bids received on May 10, 2018 for the Comprehensive Sewer/Water Improvements Phase X - Quinn Street Area Project and accept the bid from Grady Crawford Construction Co., Inc. of Baton Rouge, LA; authorize Mayor to execute contracts.

Final Action:

Minute Book Number: MB2018-135

Title:

Acknowledge bids received on May 10, 2018 for the Comprehensive Sewer/Water Improvements Phase X - Quinn Street Area Project and accept the bid from Grady Crawford Construction Co., Inc. of Baton Rouge, LA as per the recommendation of the consulting engineer; Authorize Mayor to execute contracts upon preparation.

Notes:

Agenda Date: 05/22/2018

Indexes:

Agenda Number:

Sponsors:

Enactment Date:

Attachments: 1273-S011_Recommend Award Letter,
1273-S011_Opinion of Withdrawal of Bid (002),
1273-S011_Bid Tab, 1273S011_Plans_Street Ready
Set_2018-03-27, 1273-S011_Specs_Street
Ready_2018_03_27

Enactment Number:

Contact:

Meeting Date: 05/22/2018

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	05/22/2018					
1	City Council	05/22/2018					

Text of Legislative File 2018-472

Title

Acknowledge bids received on May 10, 2018 for the Comprehensive Sewer/Water Improvements Phase X - Quinn Street Area Project and accept the bid from Grady Crawford Construction Co., Inc. of Baton Rouge, LA as per the recommendation of the consulting engineer; Authorize Mayor to execute contracts upon preparation.

Summary

Acknowledge bids received on May 10, 2018 for the Comprehensive Sewer/Water Improvements Phase X - Quinn Street Area Project and accept the bid from Grady Crawford Construction Co., Inc. of Baton Rouge, LA; authorize Mayor to execute contracts.

Budget Information

093695.7220.72

2016 Water/Sewer Bonds

Expenditure Type

Purchasing Item

Publication Information



Engineering Progress

May 14, 2018

City of Hattiesburg
Post Office Box 1898
Hattiesburg MS 39403-1898

Attn: Lamar Rutland, P.E.

**RE: Comprehensive Sewer/Water Improvements - Phase X
Quinn Street Area
City of Hattiesburg**

Dear Mr. Rutland:

I have certified the enclosed bid tabulation that represents all bids that were received and opened at 10:00 a.m. on May 10, 2018 for the above referenced project.

The apparent low bidder, DNA Underground, LLC of Gulfport, MS, has requested to withdraw their bid as stated in the enclosed letter dated May 14, 2018.

I am recommending Grady Crawford Construction Company, Inc. of Baton Rouge, LA in the bid amount of Two Million, Nine Hundred Ninety-Two Thousand, Seven Hundred and Fifty Dollars and Thirty Cents (\$2,992,750.30).

Enclosed is a copy of the electronic bid from Grady Crawford Construction Co. Inc. and the original bids from all other paper bidders.

Should you have any questions and/or comments, please, do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read 'John T. Weeks', is written over the typed name.

John T. Weeks, P.E.
Project Engineer

/aa
Enclosures

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com



16101 S Swan Road
Gulfport, MS 39503
Phone/Fax: (228) 284-5049
Cell: (228) 216-0863

May 14, 2018

Mr. John Weeks, P.E.
Shows, Dearman & Waits Engineers
301 2nd Avenue
Hattiesburg, MS 39401

RE: Hattiesburg Sewer and Water Improvements
Phase X – Pearl and Quinn Street Areas
City of Hattiesburg

Dear Mr. Weeks:

After reviewing our bid numbers, we have found a few items that were missed and would like to request to formally withdraw our bid. Following are items that were not included in our bid day pricing: bedding stone, pavement saw cutting, pavement and concrete removal and disposal, bypass pumping and dewatering.

If you have any questions, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Dustin Gartman". The signature is stylized with a large, sweeping loop at the end.

Dustin Gartman, Owner



Engineering Progress

May 15, 2018

City of Hattiesburg
Post Office Box 1898
Hattiesburg MS 39403-1898

Attn: Lamar Rutland, P.E.

RE: Comprehensive Sewer/Water Improvements - Phase X
Quinn Street Area
City of Hattiesburg

Dear Mr. Rutland:

Lamar,

We are in receipt of a letter dated May 14, 2018 from DNA Underground, LLC. (attached) in which they are requesting to withdraw their bid for the above referenced project. As we have previously discussed, there are several things which should be considered in review of a request to withdraw a bid. Further, the letting of public contracts is for the protection of the public, and public authorities are without the right to permit a bid to be withdrawn unless circumstances render it inequitable not to permit its withdrawal.

DNA Underground has provided the request for withdrawal, in writing, prior to award of the project. In said letter, DNA Underground claims bedding material, pavement saw cutting, pavement removal and disposal, bypass pumping and dewatering were not included in their bid prices. While these items are clearly defined in the plans and specifications to be absorbed in other pay items, there could be a scenario where those costs are not included in other pay items by mistake. In review of the unit pricing provided by DNA Underground, the linear foot costs for sanitary sewer items are considerably lower than the unit prices of other bids submitted.

We also compared the proposal to DNA Underground to the engineer estimate and find the proposal to be roughly 22% lower than the estimate.

Based on the information presented above we believe it is reasonable to believe an honest mistake was made in the preparation of the bid by DNA Underground. Therefore, our recommendation is to allow DNA Underground to withdraw the bid from consideration.

Sincerely,

John T. Weeks, P.E.
Project Engineer

/aa

Enclosures

301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

BID TAB	May 10, 2018	DNA Underground, LLC	Grady Crawford Construction Co. Inc.	C.B. Developers, Inc.	TL Wallace Construction, Inc.
Project:	Comprehensive Sewer/Water Improvements - Phase X	16101 S. Swan Road	P.O. Box 967	1716 Evelyn Gandy Pkwy, Suite 40	4025 Hwy 35 North
Project No.	1273-S011	Gulfport, MS 39503	Baton Rouge, LA 70821	Hattiesburg, MS 39401	Columbia, MS 39429

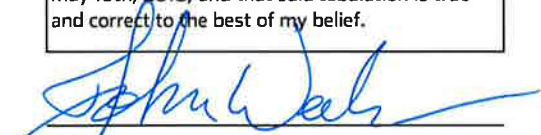
BASE BID											
Item No.	Item Description	Quantity	Unit	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
Sewer Pipe Items											
1	8" SDR 26 PVC Sewer Pipe (0'- 6')	1674	LF	\$28.00	\$46,872.00	\$35.00	\$58,590.00	\$48.55	\$81,272.70	\$49.00	\$82,026.00
2	8" SDR 26 PVC Sewer Pipe (6'- 8')	5540	LF	\$34.00	\$188,360.00	\$41.00	\$227,140.00	\$50.97	\$282,373.80	\$52.00	\$288,080.00
3	8" SDR 26 PVC Sewer Pipe (8'- 10')	1528	LF	\$36.00	\$55,008.00	\$46.00	\$70,288.00	\$53.40	\$81,595.20	\$55.00	\$84,040.00
4	8" SDR 26 PVC Sewer Pipe (10'- 12')	841	LF	\$38.00	\$31,958.00	\$60.00	\$50,460.00	\$55.82	\$46,944.62	\$63.00	\$52,983.00
5	8" SDR 26 PVC Sewer Pipe (12'- 14')	291	LF	\$42.00	\$12,222.00	\$73.00	\$21,243.00	\$59.45	\$17,299.95	\$73.00	\$21,243.00
6	8" SDR 26 PVC Sewer Pipe (14'- 16')	53	LF	\$46.00	\$2,438.00	\$225.00	\$11,925.00	\$79.61	\$4,219.33	\$80.00	\$4,240.00
7	10" SDR 26 PVC Sewer Pipe (0'- 6')	242	LF	\$32.00	\$7,744.00	\$56.00	\$13,552.00	\$51.65	\$12,499.30	\$52.00	\$12,584.00
8	10" SDR 26 PVC Sewer Pipe (6'- 8')	122	LF	\$34.00	\$4,148.00	\$64.00	\$7,808.00	\$54.08	\$6,597.76	\$55.00	\$6,710.00
9	10" SDR 26 PVC Sewer Pipe (8'- 10')	40	LF	\$38.00	\$1,520.00	\$97.00	\$3,880.00	\$56.50	\$2,260.00	\$57.00	\$2,280.00
10	10" SDR 26 PVC Sewer Pipe (10'- 12')	55	LF	\$42.00	\$2,310.00	\$138.00	\$7,590.00	\$58.92	\$3,240.60	\$65.00	\$3,575.00
11	10" SDR 26 PVC Sewer Pipe (12'- 14')	90	LF	\$45.00	\$4,050.00	\$221.00	\$19,890.00	\$62.55	\$5,629.50	\$76.00	\$6,840.00
12	10" SDR 26 PVC Sewer Pipe (14'- 16')	20	LF	\$52.00	\$1,040.00	\$324.00	\$6,480.00	\$82.71	\$1,654.20	\$83.00	\$1,660.00
13	8" Ductile Iron Sewer Pipe (0'- 6')	50	LF	\$80.00	\$4,000.00	\$66.00	\$3,300.00	\$87.63	\$4,381.50	\$73.00	\$3,650.00
14	8" Ductile Iron Sewer Pipe (6'- 8')	10	LF	\$100.00	\$1,000.00	\$72.00	\$720.00	\$117.91	\$1,179.10	\$76.00	\$760.00
15	12" Steel Casing, 0.25" WT (Open Cut) (All Depths)	60	LF	\$85.00	\$5,100.00	\$167.00	\$10,020.00	\$93.98	\$5,638.80	\$55.00	\$3,300.00
16	Removal of Existing Sewer Line	6396	LF	\$4.00	\$25,584.00	\$6.50	\$41,574.00	\$3.63	\$23,217.48	\$3.00	\$19,188.00
17	Abandonment of Existing Sewer Line (All Sizes)	1926	LF	\$5.00	\$9,630.00	\$6.50	\$12,519.00	\$6.67	\$12,846.42	\$7.00	\$13,482.00
18	Tracer Wire System for Sewer	15690	LF	\$1.00	\$15,690.00	\$0.30	\$4,707.00	\$1.28	\$20,083.20	\$3.00	\$47,070.00
Sewer Manhole Items											
19	48" Precast Concrete Sewer Manhole (0' - 6')	11	EA	\$3,400.00	\$37,400.00	\$2,450.00	\$26,950.00	\$2,875.14	\$31,626.54	\$2,200.00	\$24,200.00
20	48" Precast Concrete Sewer Manhole (6' - 8')	12	EA	\$3,500.00	\$42,000.00	\$2,900.00	\$34,800.00	\$3,369.26	\$40,431.12	\$2,500.00	\$30,000.00
21	48" Precast Concrete Sewer Manhole (8' - 10')	6	EA	\$3,800.00	\$22,800.00	\$3,675.00	\$22,050.00	\$3,823.42	\$22,940.52	\$3,025.00	\$18,150.00
22	48" Precast Concrete Sewer Manhole (10' - 12')	1	EA	\$4,200.00	\$4,200.00	\$5,440.00	\$5,440.00	\$4,397.48	\$4,397.48	\$3,400.00	\$3,400.00
23	48" Precast Concrete Sewer Manhole (12' - 14')	1	EA	\$4,600.00	\$4,600.00	\$7,225.00	\$7,225.00	\$4,610.63	\$4,610.63	\$3,800.00	\$3,800.00
24	48" Precast Concrete Sewer Manhole (14' - 16')	1	EA	\$5,800.00	\$5,800.00	\$4,400.00	\$4,400.00	\$5,506.84	\$5,506.84	\$4,300.00	\$4,300.00
25	48" Precast Concrete Sewer Manhole (6' - 8') (Doghouse)	3	EA	\$4,500.00	\$13,500.00	\$5,875.00	\$17,625.00	\$4,405.96	\$13,217.88	\$3,300.00	\$9,900.00
26	48" Precast Concrete Sewer Manhole (10' - 12') (Doghouse)	1	EA	\$5,000.00	\$5,000.00	\$7,940.00	\$7,940.00	\$5,056.32	\$5,056.32	\$4,100.00	\$4,100.00
27	60" Precast Concrete Sewer Manhole (0' - 6')	1	EA	\$4,500.00	\$4,500.00	\$3,865.00	\$3,865.00	\$5,405.11	\$5,405.11	\$3,300.00	\$3,300.00
28	60" Precast Concrete Sewer Manhole (6' - 8')	1	EA	\$4,800.00	\$4,800.00	\$5,100.00	\$5,100.00	\$5,741.79	\$5,741.79	\$4,100.00	\$4,100.00
29	60" Precast Concrete Sewer Manhole (8' - 10')	1	EA	\$5,100.00	\$5,100.00	\$6,250.00	\$6,250.00	\$6,681.60	\$6,681.60	\$4,500.00	\$4,500.00
30	60" Precast Concrete Sewer Manhole (10' - 12')	1	EA	\$6,000.00	\$6,000.00	\$8,150.00	\$8,150.00	\$7,622.62	\$7,622.62	\$5,000.00	\$5,000.00
31	60" Precast Concrete Sewer Manhole (12' - 14')	1	EA	\$6,500.00	\$6,500.00	\$12,850.00	\$12,850.00	\$6,851.16	\$6,851.16	\$5,500.00	\$5,500.00
32	60" Precast Concrete Sewer Manhole (6' - 8') (Doghouse)	1	EA	\$4,500.00	\$4,500.00	\$7,350.00	\$7,350.00	\$7,196.32	\$7,196.32	\$4,100.00	\$4,100.00

BID TAB Project: Comprehensive Sewer/Water Improvements - Phase X Project No. 1273-S011 May 10, 2018				DNA Underground, LLC 16101 S. Swan Road Gulfport, MS 39503		Grady Crawford Construction Co. Inc. P.O. Box 967 Baton Rouge, LA 70821		C.B. Developers, Inc. 1716 Evelyn Gandy Pkwy, Suite 40 Hattiesburg, MS 39401		TL Wallace Construction, Inc. 4025 Hwy 35 North Columbia, MS 39429	
BASE BID											
33	60" Precast Concrete Sewer Manhole (10' - 12') (Doghouse)	1	EA	\$5,000.00	\$5,000.00	\$11,650.00	\$11,650.00	\$13,009.57	\$13,009.57	\$4,900.00	\$4,900.00
34	Demolition and Removal of Existing Manholes (All Types)	33	EA	\$450.00	\$14,850.00	\$750.00	\$24,750.00	\$302.77	\$9,991.41	\$1,500.00	\$49,500.00
35	Abandonment of Existing Manhole	1	EA	\$400.00	\$400.00	\$400.00	\$400.00	\$393.61	\$393.61	\$850.00	\$850.00
36	Drop Manhole Assembly (All Depths)	6	EA	\$2,100.00	\$12,600.00	\$2,500.00	\$15,000.00	\$2,747.01	\$16,482.06	\$2,000.00	\$12,000.00
37	1000 Gallon, Concrete Grease Trap (6" Walls, Traffic Rated)	1	EA	\$5,500.00	\$5,500.00	\$18,895.00	\$18,895.00	\$12,353.15	\$12,353.15	\$6,200.00	\$6,200.00
	Sewer Service Items										
38	4" Sanitary Sewer Service Cleanout	155	EA	\$360.00	\$55,800.00	\$365.00	\$56,575.00	\$417.62	\$64,731.10	\$300.00	\$46,500.00
39	4" SDR 26 PVC Pipe Sanitary Sewer Service (Incl Fittings)	120	LF	\$18.00	\$2,160.00	\$30.00	\$3,600.00	\$52.08	\$6,249.60	\$27.00	\$3,240.00
40	6" SDR 26 PVC Pipe Sanitary Sewer Service (Incl Fittings)	3588	LF	\$21.00	\$75,348.00	\$30.00	\$107,640.00	\$27.72	\$99,459.36	\$29.00	\$104,052.00
41	8"x8"x6" PVC Service Tee	148	EA	\$200.00	\$29,600.00	\$120.00	\$17,760.00	\$219.72	\$32,518.56	\$85.00	\$12,580.00
42	10"x10"x6" PVC Service Tee	13	EA	\$325.00	\$4,225.00	\$390.00	\$5,070.00	\$444.98	\$5,784.74	\$160.00	\$2,080.00
43	8"x8"x6" Ductile Iron Service Tee	4	EA	\$1,100.00	\$4,400.00	\$950.00	\$3,800.00	\$894.74	\$3,578.96	\$1,260.00	\$5,040.00
44	Service Tap on Existing 8" Sewer Main	2	EA	\$1,500.00	\$3,000.00	\$2,500.00	\$5,000.00	\$454.16	\$908.32	\$3,650.00	\$7,300.00
	Water Pipe Items										
45	2" & Under 150 PSI PVC Water Pipe for Connections (Open Cut)	40	Lin. Ft.	\$20.00	\$800.00	\$20.00	\$800.00	\$13.93	\$557.20	\$15.00	\$600.00
46	6" Class 350 Ductile Iron Water Pipe (Open Cut)	6330	Lin. Ft.	\$30.00	\$189,900.00	\$24.00	\$151,920.00	\$25.32	\$160,275.60	\$25.00	\$158,250.00
47	8" 200 PSI, DR 11, HDPE (Directional Bore) (Incl. adapter fittings)	100	Lin. Ft.	\$110.00	\$11,000.00	\$77.00	\$7,700.00	\$64.65	\$6,465.00	\$75.00	\$7,500.00
48	Tracer Wire System for Water	10381	LF	\$1.00	\$10,381.00	\$0.30	\$3,114.30	\$1.49	\$15,467.69	\$3.00	\$31,143.00
	Water Connection Items										
49	Cut and Cap Existing Water Line in Place	8	Each	\$500.00	\$4,000.00	\$400.00	\$3,200.00	\$514.71	\$4,117.68	\$700.00	\$5,600.00
50	Connection: Proposed 6" to Existing 6" (Straight - Coupling)	1	Each	\$1,200.00	\$1,200.00	\$785.00	\$785.00	\$1,006.42	\$1,006.42	\$750.00	\$750.00
51	Connection: Proposed 6" to Existing 6" (Tee & other fittings)	4	Each	\$2,500.00	\$10,000.00	\$1,266.00	\$5,064.00	\$2,391.91	\$9,567.64	\$1,350.00	\$5,400.00
52	Connection: Proposed 6" to Existing 6" (Hot Tap w/ Valve Assembly)	1	Each	\$4,500.00	\$4,500.00	\$3,000.00	\$3,000.00	\$4,064.43	\$4,064.43	\$2,200.00	\$2,200.00
53	Connection: Proposed 6" to Existing 8" (Hot Tap w/ Valve Assembly)	2	Each	\$4,500.00	\$9,000.00	\$3,000.00	\$6,000.00	\$4,735.38	\$9,470.76	\$2,300.00	\$4,600.00
54	Connection: Proposed 6" to Existing 20" (Hot Tap w/ Valve Assembly)	7	Each	\$5,000.00	\$35,000.00	\$5,000.00	\$35,000.00	\$9,083.20	\$63,582.40	\$3,200.00	\$22,400.00
55	Connection: Proposed 6" to Proposed 6" (Tee & other fittings)	3	Each	\$2,500.00	\$7,500.00	\$1,075.00	\$3,225.00	\$1,137.22	\$3,411.66	\$1,200.00	\$3,600.00
	Water Valve Items										
56	6" Gate Valve	20	Each	\$850.00	\$17,000.00	\$1,800.00	\$36,000.00	\$962.61	\$19,252.20	\$800.00	\$16,000.00

BID TAB Project: Comprehensive Sewer/Water Improvements - Phase X Project No. 1273-S011 May 10, 2018				DNA Underground, LLC 16101 S. Swan Road Gulfport, MS 39503		Grady Crawford Construction Co. Inc. P.O. Box 967 Baton Rouge, LA 70821		C.B. Developers, Inc. 1716 Evelyn Gandy Pkwy, Suite 40 Hattiesburg, MS 39401		TL Wallace Construction, Inc. 4025 Hwy 35 North Columbia, MS 39429	
BASE BID											
	Water Fire Protection Items										
57	3 Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe, & other fittings)	13	Each	\$3,600.00	\$46,800.00	\$3,900.00	\$50,700.00	\$3,955.43	\$51,420.59	\$3,500.00	\$45,500.00
58	Removal of Existing Fire Hydrant	6	Each	\$450.00	\$2,700.00	\$500.00	\$3,000.00	\$787.21	\$4,723.26	\$500.00	\$3,000.00
	Water Service Items										
59	Residential Service Tap (3/4") (Incl: Open Cut Service Tubing, Tapping Saddle, Corp Stop, etc)	110	Each	\$600.00	\$66,000.00	\$325.00	\$35,750.00	\$419.04	\$46,094.40	\$425.00	\$46,750.00
60	Commercial Service Tap (1") (Incl: Open Cut Service Tubing, Tapping Saddle, Corp Stop, etc)	3	Each	\$700.00	\$2,100.00	\$500.00	\$1,500.00	\$545.25	\$1,635.75	\$575.00	\$1,725.00
61	3/4" Service Tubing (Open Cut) (All Sizes)	2587	LF	\$5.00	\$12,935.00	\$20.00	\$51,740.00	\$6.29	\$16,272.23	\$3.50	\$9,054.50
62	1" Service Tubing (Open Cut) (All Sizes)	20	LF	\$5.00	\$100.00	\$20.00	\$400.00	\$13.67	\$273.40	\$3.50	\$70.00
63	3/4" Service Tubing (Bored) (All Sizes)	310	LF	\$20.00	\$6,200.00	\$24.00	\$7,440.00	\$9.92	\$3,075.20	\$22.00	\$6,820.00
64	1" Service Tubing (Bored) (All Sizes)	50	LF	\$28.00	\$1,400.00	\$24.00	\$1,200.00	\$14.88	\$744.00	\$25.00	\$1,250.00
65	Remove, Relocate and Reset Existing Water Meter (incl. fittings,etc)	36	Each	\$500.00	\$18,000.00	\$250.00	\$9,000.00	\$575.27	\$20,709.72	\$250.00	\$9,000.00
66	3/4" Water Service Meter (Residential)	5	Each	\$500.00	\$2,500.00	\$445.00	\$2,225.00	\$489.20	\$2,446.00	\$500.00	\$2,500.00
67	1" Water Service Meter (Commercial)	1	Each	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$700.92	\$700.92	\$700.00	\$700.00
	Miscellaneous Construction Items										
68	Crushed Aggregate (Size 610)	5084	Ton	\$50.00	\$254,200.00	\$48.00	\$244,032.00	\$50.26	\$255,521.84	\$60.00	\$305,040.00
69	Select Fill Material (Class 9, Group C), LVM	25693	CY	\$8.00	\$205,544.00	\$14.00	\$359,702.00	\$7.68	\$197,322.24	\$19.00	\$488,167.00
70	Concrete Pavement Repair (All Depths)	1195	SY	\$65.00	\$77,675.00	\$85.00	\$101,575.00	\$65.40	\$78,153.00	\$120.00	\$143,400.00
71	Hardy Street Roadway Repair (Special Construction)	230	SY	\$250.00	\$57,500.00	\$136.00	\$31,280.00	\$333.05	\$76,601.50	\$300.00	\$69,000.00
72	9.5mm Hot Mix Asphalt	1840	Ton	\$130.00	\$239,200.00	\$115.00	\$211,600.00	\$139.28	\$256,275.20	\$121.00	\$222,640.00
73	19mm Hot Mix Asphalt	1000	Ton	\$172.00	\$172,000.00	\$165.00	\$165,000.00	\$193.77	\$193,770.00	\$250.00	\$250,000.00
74	Brick Sidewalk Repair (All Depths)	5	SY	\$65.00	\$325.00	\$400.00	\$2,000.00	\$575.27	\$2,876.35	\$400.00	\$2,000.00
75	Concrete Sidewalk Repair (All Depths)	195	SY	\$60.00	\$11,700.00	\$45.00	\$8,775.00	\$66.61	\$12,988.95	\$100.00	\$19,500.00
76	Concrete Curb & Gutter (Match Existing Type)	1070	LF	\$25.00	\$26,750.00	\$25.00	\$26,750.00	\$96.89	\$103,672.30	\$40.00	\$42,800.00
77	Concrete Ditch Repair	805	SF	\$20.00	\$16,100.00	\$50.00	\$40,250.00	\$26.64	\$21,445.20	\$17.00	\$13,685.00
78	Concrete Pipe Piers (Incl. Concrete, Reinf., Straps, etc)	2	Each	\$800.00	\$1,600.00	\$3,785.00	\$7,570.00	\$2,906.62	\$5,813.24	\$2,150.00	\$4,300.00
79	Class "B" Concrete, Minor Structures	6	CY	\$1,100.00	\$6,600.00	\$459.00	\$2,754.00	\$1,816.64	\$10,899.84	\$1,200.00	\$7,200.00
80	Reinforcing Steel	67	LBS	\$3.00	\$201.00	\$2.00	\$134.00	\$4.18	\$280.06	\$1.25	\$83.75
81	Inlet Gratings	200	LBS	\$5.00	\$1,000.00	\$6.00	\$1,200.00	\$6.87	\$1,374.00	\$4.00	\$800.00
82	Inlet Castings	244	LBS	\$5.00	\$1,220.00	\$6.00	\$1,464.00	\$6.20	\$1,512.80	\$4.00	\$976.00
83	12" Corrugated HDPE Pipe (Dual Wall)	40	LF	\$40.00	\$1,600.00	\$36.00	\$1,440.00	\$25.55	\$1,022.00	\$28.00	\$1,120.00
84	15" Corrugated HDPE Pipe (Dual Wall)	40	LF	\$45.00	\$1,800.00	\$55.00	\$2,200.00	\$40.49	\$1,619.60	\$30.00	\$1,200.00
85	12" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	56	LF	\$32.00	\$1,792.00	\$43.00	\$2,408.00	\$31.51	\$1,764.56	\$45.00	\$2,520.00
86	15" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	118	LF	\$36.00	\$4,248.00	\$59.00	\$6,962.00	\$29.09	\$3,432.62	\$46.00	\$5,428.00

BID TAB Project: Comprehensive Sewer/Water Improvements - Phase X				May 10, 2018		DNA Underground, LLC		Grady Crawford Construction Co. Inc.		C.B. Developers, Inc.		TL Wallace Construction, Inc.	
Project No. 1273-S011						16101 S. Swan Road Gulfport, MS 39503		P.O. Box 967 Baton Rouge, LA 70821		1716 Evelyn Gandy Pkwy, Suite 40 Hattiesburg, MS 39401		4025 Hwy 35 North Columbia, MS 39429	
BASE BID													
87	18" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	16	LF	\$40.00	\$640.00	\$80.00	\$1,280.00	\$45.79	\$732.64	\$48.00	\$768.00		
88	24" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	48	LF	\$60.00	\$2,880.00	\$120.00	\$5,760.00	\$54.45	\$2,613.60	\$63.00	\$3,024.00		
89	30" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	48	LF	\$68.00	\$3,264.00	\$150.00	\$7,200.00	\$64.45	\$3,093.60	\$82.00	\$3,936.00		
90	36" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	48	LF	\$80.00	\$3,840.00	\$200.00	\$9,600.00	\$126.90	\$6,091.20	\$100.00	\$4,800.00		
91	Removal of Existing Pipe Cross Drains (All Sizes and Depths)	360	LF	\$5.00	\$1,800.00	\$10.00	\$3,600.00	\$7.27	\$2,617.20	\$7.00	\$2,520.00		
92	Removal of Existing Corrugated HDPE Pipe (All Sizes and Depths) and Reset	70	LF	\$10.00	\$700.00	\$10.00	\$700.00	\$18.17	\$1,271.90	\$27.00	\$1,890.00		
93	Remove, Salvage and Reset Existing Wood Fence	70	LF	\$32.00	\$2,240.00	\$15.00	\$1,050.00	\$24.22	\$1,695.40	\$46.00	\$3,220.00		
94	Remove, Salvage and Reset Existing Net Wire Fence	130	LF	\$25.00	\$3,250.00	\$15.00	\$1,950.00	\$12.11	\$1,574.30	\$10.00	\$1,300.00		
95	Remove, Salvage and Reset Existing Chain Link Fence	25	LF	\$35.00	\$875.00	\$15.00	\$375.00	\$14.53	\$363.25	\$45.00	\$1,125.00		
96	Removed and Replace Dumpster Enclosure (as detailed)	1	LS	\$18,500.00	\$18,500.00	\$10,000.00	\$10,000.00	\$19,377.50	\$19,377.50	\$36,000.00	\$36,000.00		
97	6" Yellow Thermoplastic Detail Traffic Stripe	1150	LF	\$2.50	\$2,875.00	\$4.00	\$4,600.00	\$2.42	\$2,783.00	\$7.00	\$8,050.00		
98	Lengend White Thermoplastic Traffic Marking (6" Equivilent)	2070	LF	\$4.00	\$8,280.00	\$4.00	\$8,280.00	\$2.42	\$5,009.40	\$9.00	\$18,630.00		
99	Solid Sod (Incl. Sod, Top Soil, Fertilizer, Watering, etc.)	5500	SY	\$8.00	\$44,000.00	\$8.00	\$44,000.00	\$8.48	\$46,640.00	\$11.00	\$60,500.00		
100	Landscape Restoration (Inc. Top Soil, Plants, Mulch, Watering, etc.)	1505	SF	\$10.00	\$15,050.00	\$35.00	\$52,675.00	\$24.22	\$36,451.10	\$15.00	\$22,575.00		
101	Clearing and Grubbing	1	Acre	\$3,000.00	\$3,000.00	\$7,500.00	\$7,500.00	\$2,240.52	\$2,240.52	\$5,000.00	\$5,000.00		
102	Temporary Erosion Control	1	LS	\$6,500.00	\$6,500.00	\$10,000.00	\$10,000.00	\$18,166.40	\$18,166.40	\$15,000.00	\$15,000.00		
103	Maintenance of Traffic	1	LS	\$35,000.00	\$35,000.00	\$40,000.00	\$40,000.00	\$167,130.92	\$167,130.92	\$26,000.00	\$26,000.00		
104	Mobilization	1	LS	\$80,000.00	\$80,000.00	\$135,500.00	\$135,500.00	\$262,807.32	\$262,807.32	\$350,000.00	\$350,000.00		
Bid Total:				\$2,572,022.00		\$2,992,750.30		\$3,298,018.53		\$3,560,913.25			

This is to certify that I have checked the tabulation of the bids received by the City of Hattiesburg on May 10th, 2018, and that said tabulation is true and correct to the best of my belief.



John T. Weeks, P.E.

G:\PROJECTS\Hattiesburg_City of 1273-S011 - ComStWMP Sewer Phase X - Quinn St Area\1273-S011\CAD Files\1273-S011_LCvmapnotes.dwg, CVR, 3/26/2018 5:42:25 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
5	PSM2	SEWER SYSTEM MAP
6	PSM3	WATER SYSTEM MAP
7	GN1	GENERAL NOTES
7A	SSP1	SEWER PLAN - ALLEYS 186 & 189
8	PNP1	NORTHWOOD DRIVE STA 10+00 - STA 13+22
9	PNP2	NORTH 25TH AVENUE STA 10+00 - STA 16+60
10	PNP3	NORTH 25TH AVENUE STA 16+00 - STA 22+60
11	PNP4	NORTH 25TH AVENUE STA 19+40 - STA 24+00
12	PNP5	NORTH 24TH AVENUE STA 10+00 - STA 15+60
13	PNP6	NORTH 24TH AVENUE STA 15+00 - STA 21+60
14	PNP7	NORTH 24TH AVENUE STA 20+00 - STA 24+00
15	PNP8	ALLEY 188 STA 12+00 - STA 17+00
16	PNP9	NORTH 23RD AVENUE STA 10+40 - STA 17+00
17	PNP10	ALLEY 185 STA 11+00 - STA 16+60
18	PNP11	NORTH 21ST AVENUE STA 10+00 - STA 15+60
19	PNP12	NORTH 21ST AVENUE STA 15+00 - STA 21+60
20	PNP13	NORTH 21ST AVENUE STA 18+40 - STA 24+00
21	PNP14	NORTH 20TH AVENUE (WEST) STA 12+60 - STA 18+60
22	PNP15	NORTH 20TH AVENUE (WEST) STA 18+00 - STA 24+00
23	PNP16	NORTH 20TH AVENUE (EAST) STA 24+00 - STA 30+60
24	PNP17	NORTH 20TH AVENUE (EAST) STA 30+40 - STA 37+00
25	PNP18	ALLEY 187 STA 16+00 - STA 35+00
26	PNP19	FELDER PLACE (USM1) STA 1+00 - STA 2+40
27	PNP20	USM2 STA 1+00 - STA 4+00
28	PNP21	ALLEY 183 STA 11+00 - STA 16+00
29	PNP22	ALLEY 192 STA 11+00 - STA 13+00
30	PNP23	PEARL STREET STA 13+60 - STA 18+60
31	PNP24	PEARL STREET STA 31+00 - STA 37+00
32	PNP25	EASEMENT STA 10+00 - STA 16+60
33	PNP26	EASEMENT STA 16+00 - STA 22+60
34	PNP27	QUINN STREET STA 18+00 - STA 22+00
35	WP1	NORTH 24TH AVENUE - WATER PLAN
36	WP2	NORTH 23RD AVENUE - WATER PLAN
37	WP3	NORTH 22ND AVENUE - WATER PLAN
38	WP4	NORTH 21ST AVENUE - WATER PLAN
39	WP5	NORTH 20TH AVENUE - WATER PLAN
40	WP6	NORTH 20TH AVENUE - WATER PLAN
41	WP7	QUINN STREET - WATER PLAN
42	XS1	CREEK BORE CROSS SECTION
43	SSD1	SEWER INSTALLATION DETAILS
44	SSD2	SEWER INSTALLATION DETAILS
45	WTRD1	WATER INSTALLATION DETAILS
46	WTRD2	WATER INSTALLATION DETAILS
47	TWD1	TRACER WIRE DETAILS
48	PRD1	PAVEMENT REPAIR DETAILS
49	DP1	DUMPSTER ENCLOSURE DETAILS
50	VS1	VEGETATION SCHEDULE & MISC DETAILS
51	HDPE-1	FLEXIBLE PIPE STANDARD
52	ECD-1	TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS
53	ECD-2	DETAILS OF SEDIMENT BARRIER APPLICATIONS
54	ECD-3	DETAILS OF SILT FENCE INSTALLATION
55	ECD-4	DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
56	ECD-5	DETAILS OF EROSION CONTROL WATTLE DITCH CHECK
57	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
6315	IG-2	DETAILS OF GRATES FOR GUTTER INLETS
6317	G1-1A	GUTTER INLET FOR TYPE 2 CURB STORM SEWER ALONG ROADWAY

CONSTRUCTION PLANS

FOR

COMPREHENSIVE SEWER/WATER IMPROVEMENTS - PHASE X

PEARL & QUINN STREETS AREA

FOR THE

CITY OF HATTIESBURG

FORREST COUNTY

MISSISSIPPI

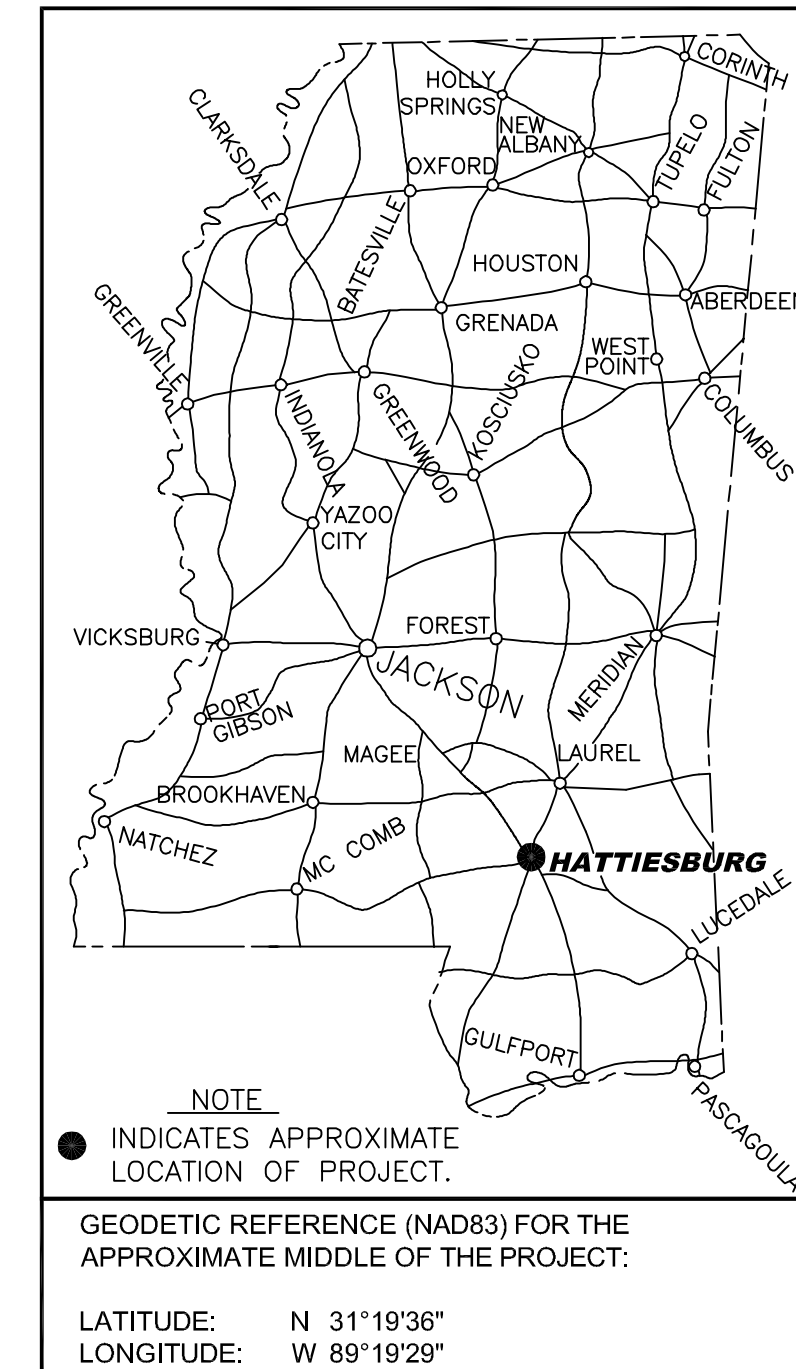


Know what's below.
Call before you dig.

SPECIAL UTILITY NOTES:

- 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)
- 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
17051715371263	ALLEY PARALLEL TO HARDY STREET
17051715461283	FELDER PLACE
17100209270394	N 20TH AVENUE
17100209220383	N 20TH AVENUE
17100209250391	N 21ST AVENUE
17100209240388	N 21ST AVENUE
17100209200377	N 21ST AVENUE
17100209180370	N 22ND AVENUE
17100210050506	N 23RD AVENUE
17051715421274	N 24TH AVENUE
17100211020683	N 24TH AVENUE
17051715091213	N 25TH AVENUE
17051716321385	N 26TH AVENUE
17051715571311	NORTHWOOD DRIVE
17051715491294	PEARL STREET
17060109030285	PEARL STREET
17100207320030	PEARL STREET
17060109120305	QUINN STREET
17100209160367	QUINN STREET
17051716231367	US HIGHWAY 49



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

SOUTHERN LIGHT, LLC
107 SAINT FRANCIS STREET
SUITE 1800
MOBILE, AL 36602
(251) 662-1170

GAS
WALMUT 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
USM PHYSICAL PLANT
118 COLLEGE DRIVE
HATTIESBURG, MS 39406
(601) 266-4414

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:

sdw
Engineering Progress

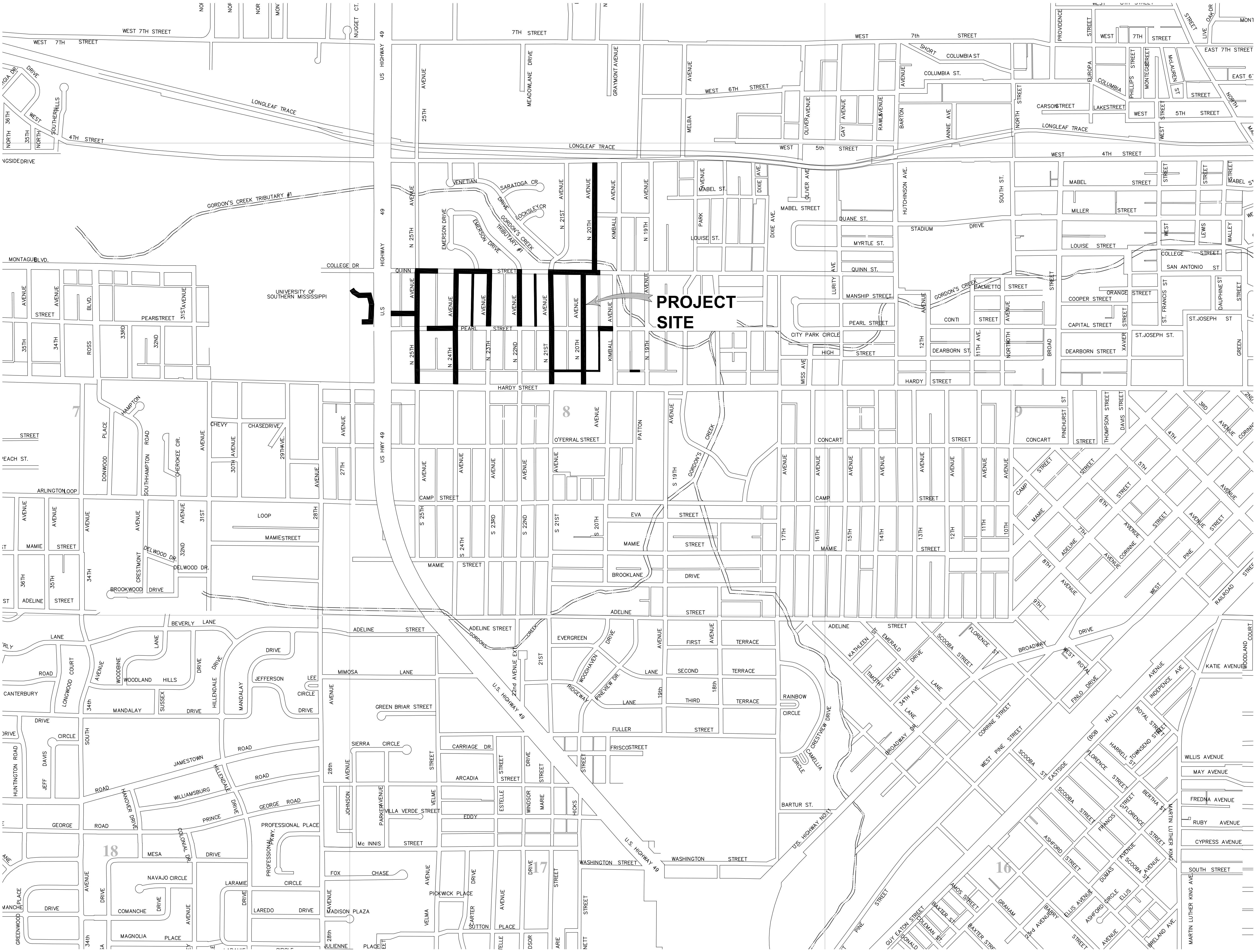
301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

Working No. CVR
Sheet No. 1
Drawing No.: 1273-S011



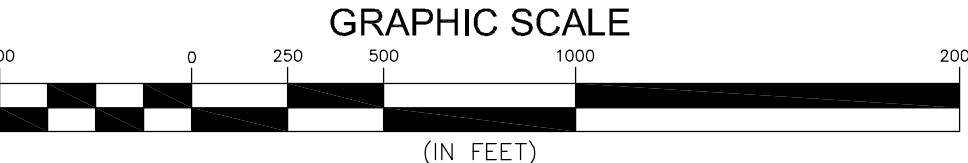
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RANGE 13 WEST



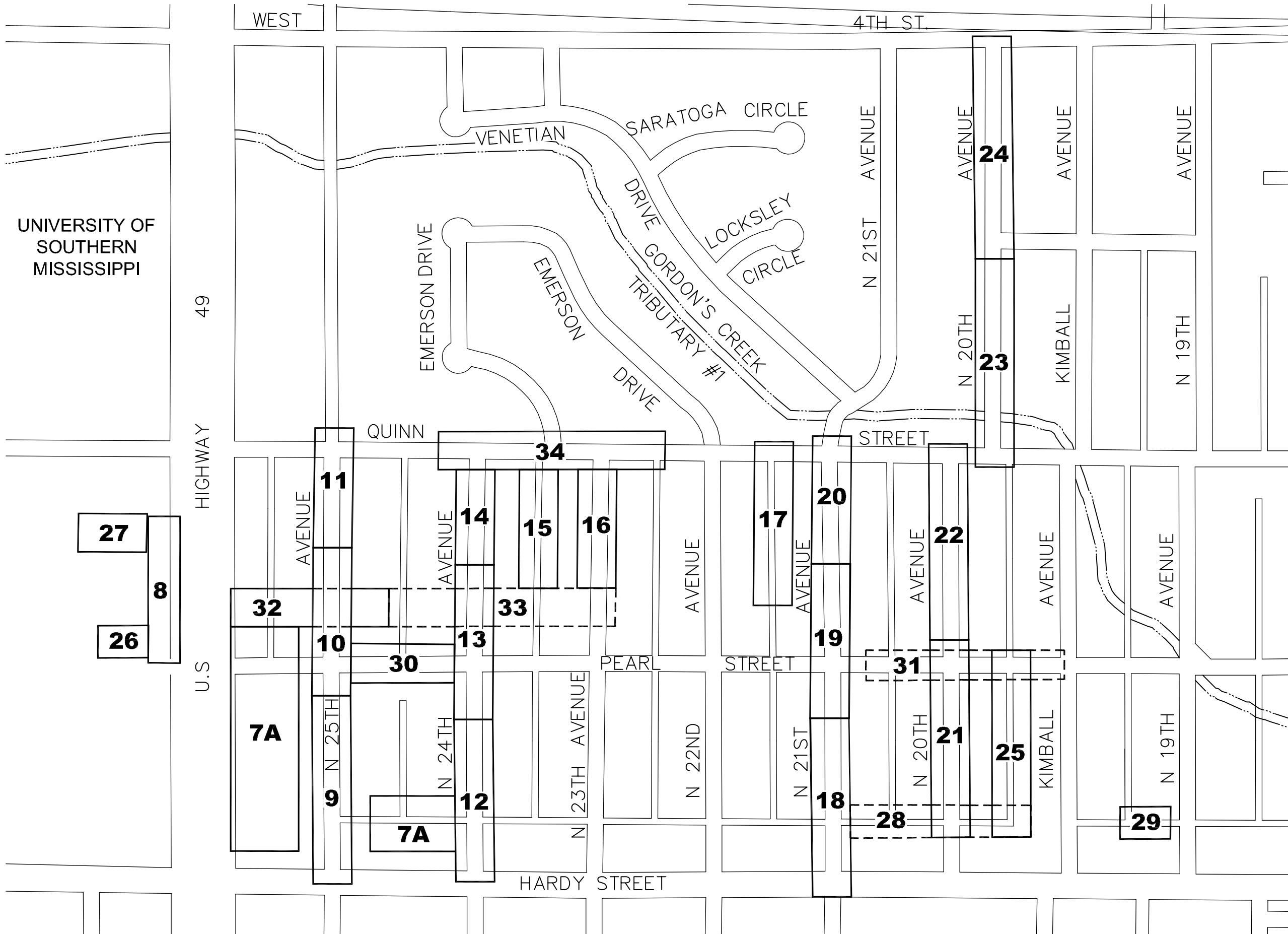
PROJECT
SITE

TOWNSHIP 4 NORTH

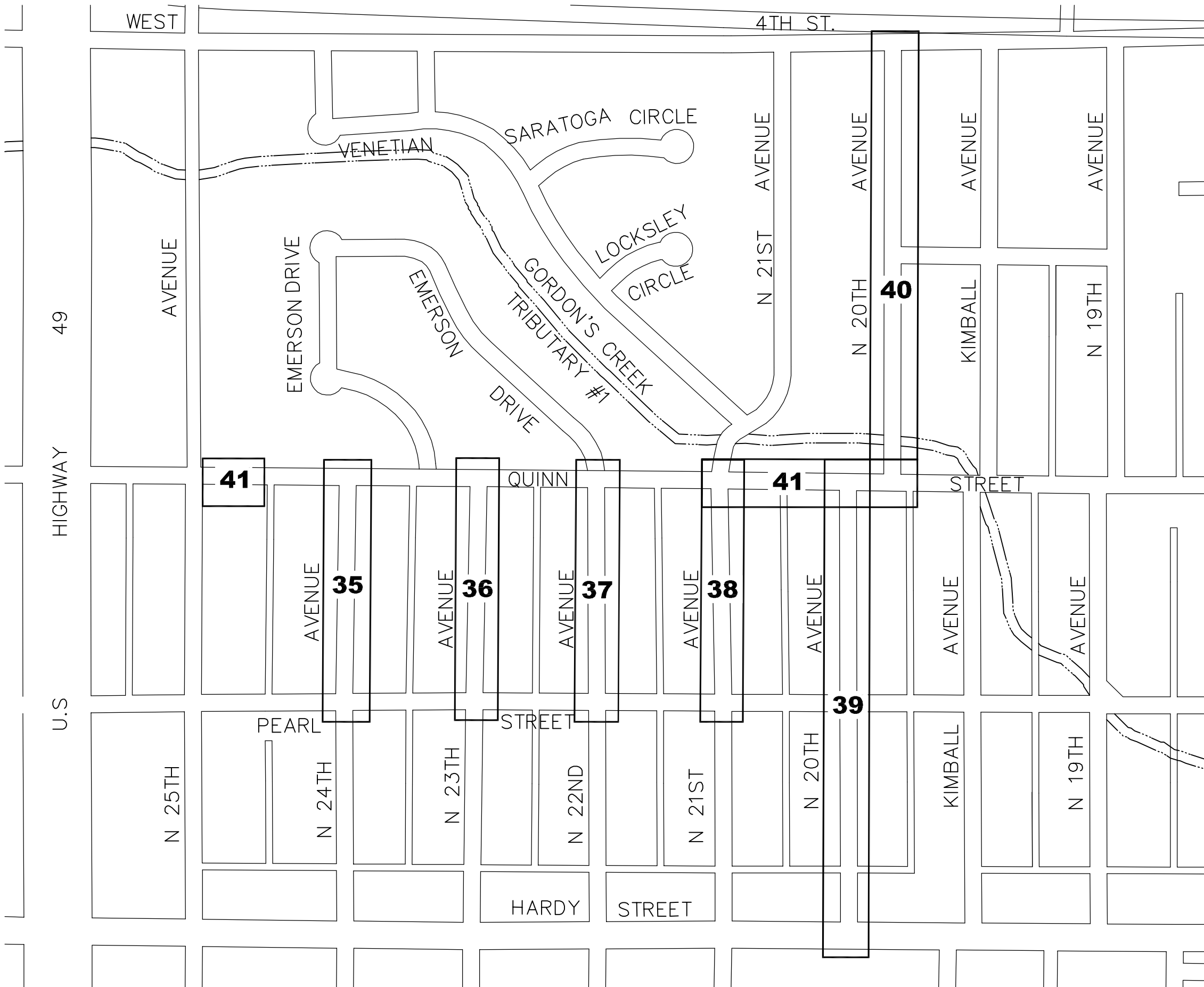


NO.	DATE	DESCRIPTION	BY
VICINITY MAP			
COMSWIP SEWER/WATER PROJECT PHASE X			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: SLS		Checked by: JTW	Scale: AS NOTED
Date: 03-16-2018		Working No. VM	
Drawing No.: 1273-S011		Sheet No. 2	

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SANITARY SEWER PLAN - SHEET KEY



WATER PLAN - SHEET KEY

ABBREVIATION LEGEND:

- ABND

APPURT

ASPH

BLDG

CIR

CONST

CONC

CONN.

CONT'D

CMP

CPP

DIA

DR

DRV

DI

DS FL

E

EXIST

FES

FL

GRVL

HDPE

HYD

INCL

INV

LT

LF

MH

MIN

N

No.

PRKG

PVC

RCAP

RCP

REQ'D

RT

ROW

SAN

STA

SVC

SWR

S

TYP

US FL

VAR

W

W/
- ABANDONED

— APPURTENANCES

— ASPHALT

— BUILDING

— CIRCLE

— CENTERLINE CONSTRUCTION

— CONCRETE

— CONNECTION

— CONTINUED

— CORRUGATED METAL PIPE

— CORRUGATED PLASTIC PIPE

— DIAMETER

— DIAMETER RATIO

— DRIVE

— DUCTILE IRON PIPE

— DOWNSTREAM FLOW LINE

— EAST

— EXISTING

— FLARED END SECTION

— FLOW LINE

— GRAVEL

— HIGH DENSITY POLYETHYLENE PIPE

— HYDRANT

— INCLUDING

— INVERT

— LEFT

— LINEAR FEET

— MANHOLE

— MINIMUM

— NORTH

— NUMBER

— PARKING

— POLYVINYL CHLORIDE PIPE

— REINFORCED CONCRETE ARCHED PIPE

— REINFORCED CONCRETE PIPE

— REQUIRED

— RIGHT

— RIGHT OF WAY

— SANITARY

— STATION

— SERVICE

— SEWER

— SOUTH

— TYPICAL

— UPSTREAM FLOW LINE

— VARIABLE

— WEST

— WITH

SYMBOL LEGEND:

-
- AIR CONDITIONER

— BENCHMARK

— CONTROL MONUMENT

— FENCE

— FIBER OPTIC PEDESTAL

— FIBER OPTIC PULL BOX

— FIRE HYDRANT

— GAS INDICATOR POST

— GAS LINE

— GAS METER

— GAS VALVE

— GATE POST

— 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

— 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

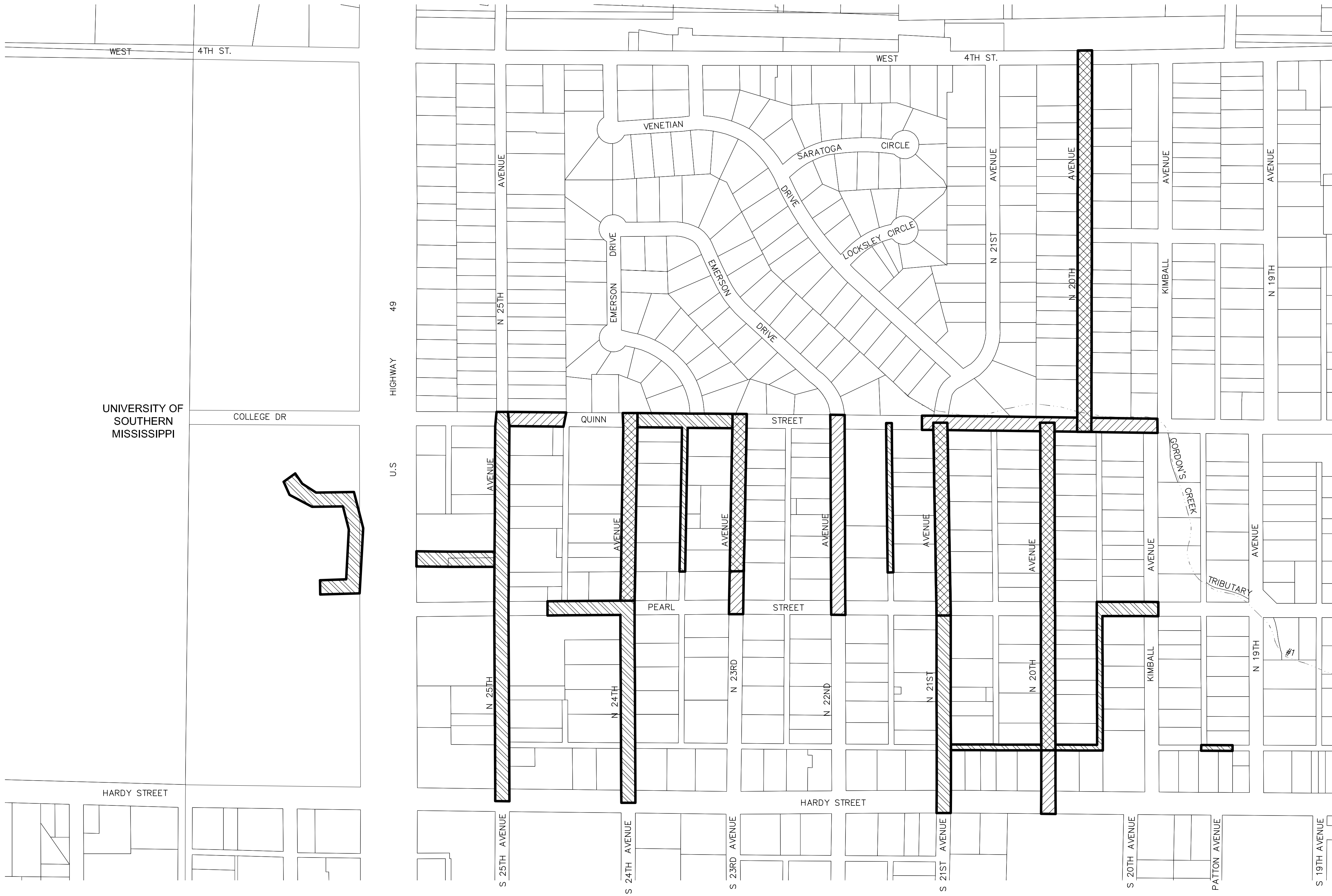
— WATER VALVE

NOTE

ALL ITEMS SHOWN HERE ARE EXISTING ON THE GROUND OR UNDERGROUND.

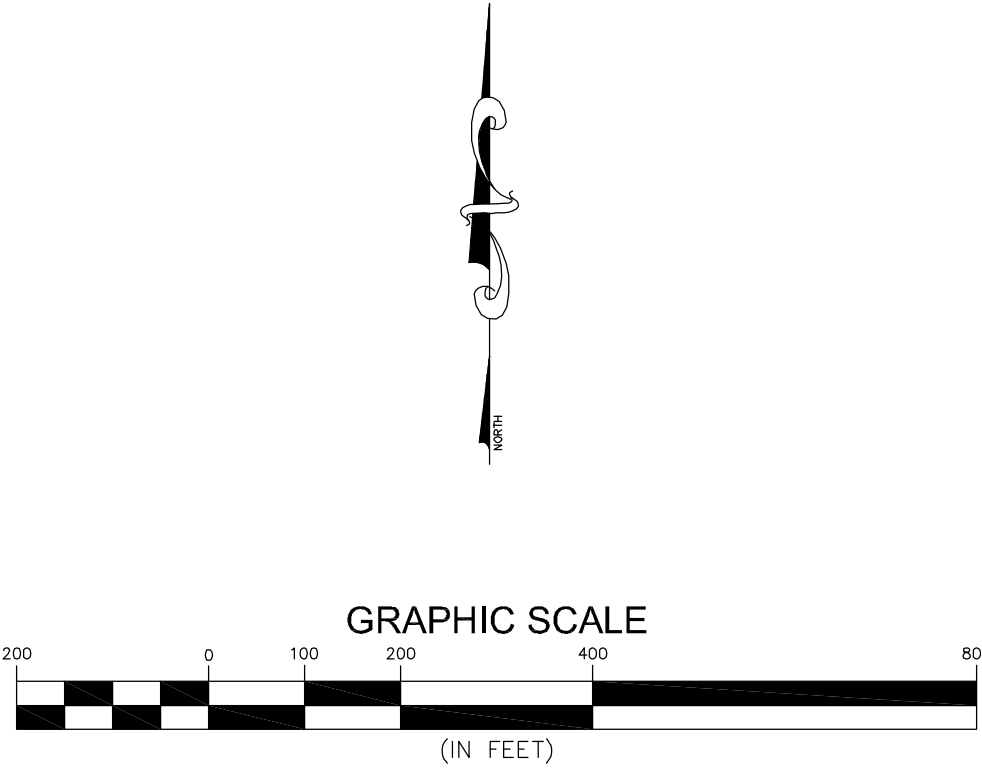
NO.	DATE	DESCRIPTION	BY
LEGEND, ABBREVIATIONS & SHEET KEY			
COMSWIP SEWER/WATER PROJECT PHASE X			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: SLS		Checked by: JTW	Scale: NONE
Date: 03-16-2018		Working No. <u>KEY1</u>	
Drawing No.: 1273-S011		Sheet No. <u>3</u>	

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LEGEND:

- SEWER MAIN REPLACEMENT
- WATER & SEWER MAIN REPLACEMENT
- WATER MAIN REPLACEMENT



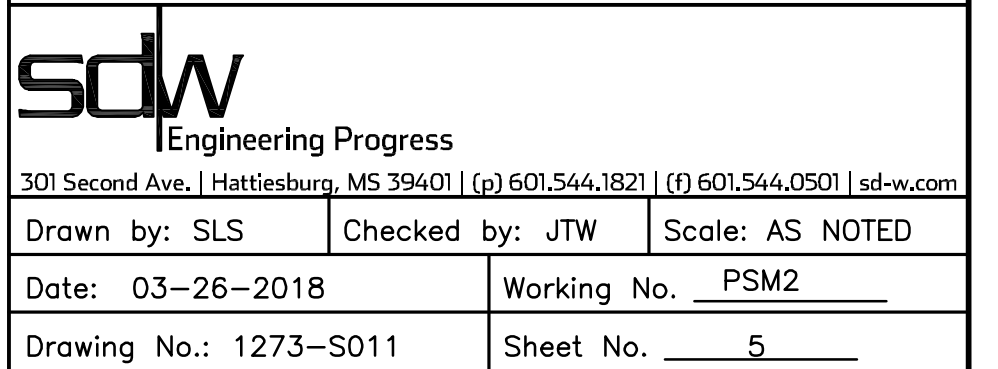
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PROJECT SCOPE MAP			
COMSWIP SEWER/WATER PROJECT PHASE X			
CITY OF HATTIESBURG			
HATTIESBURG, MISSISSIPPI			
 Engineering Progress			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: SLS		Checked by: JTW	Scale: AS NOTED
Date: 03-26-2018		Working No. PSM1	
Drawing No.: 1273-S011		Sheet No. 4	



ABND - ABANDONED
EX - EXISTING
RMV - REMOVED
TP - THIS PROJECT

No.	Date	Description	By

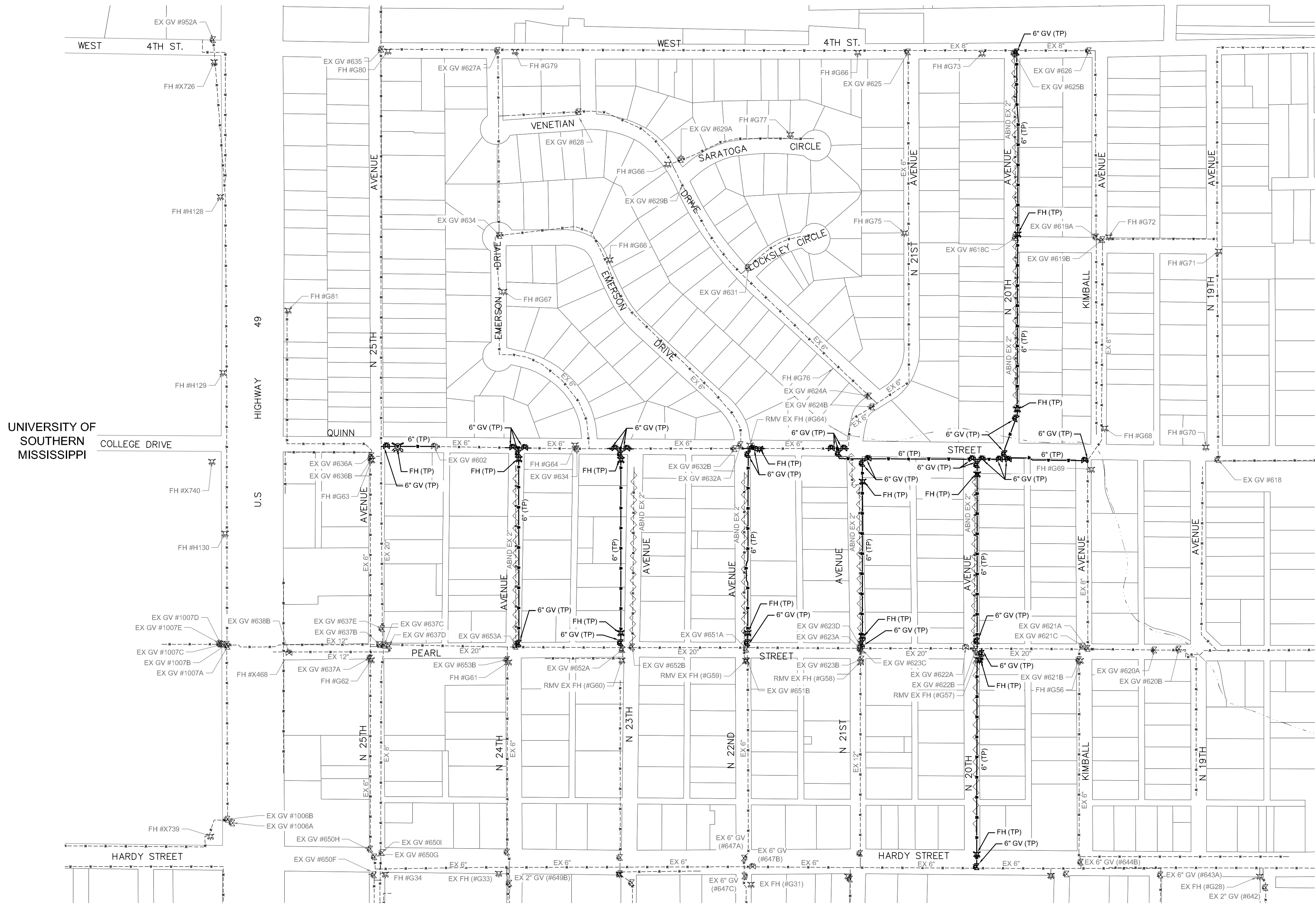
COMSWIP SEWER/WATER PROJECT PHASE X
CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI



GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)



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 DETAILS). ALL CRUSHED AGGREGATE SHALL BE SIZE 610. 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 MAINS 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.
4. ALL EXISTING SEWER PIPES NOTED TO BE ABANDONED SHALL BE DISCONNECTED AND CAPPED IN PLACE (NO SEPARATE PAY)
5. ALL EXISTING SEWER PIPES NOTED TO BE ABANDONED BY "SPECIAL NOTES" ON THE PLAN SHEETS SHALL BE PAID FOR BY LINEAR FOOT AND SHALL BE MODIFIED AS FOLLOWS:
- 5.1. REMOVE AND DISPOSE OF SANITARY WASTE.
- 5.2. FILL THE PIPE WITH FLOWABLE FILL.
- 5.3. PLUG ENDS.
6. 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 DR 11, 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 SUPERVISION 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.
- 16.8. ALL NEW WATER METERS SHALL BE BADGER RADIO READ. ALL SERVICE FITTINGS SHALL BE FORD BRAND, ONLY.
- 16.9. THE CONTRACTOR SHALL REMOVE, RELOCATE AND RESET EXISTING METERS WHICH CONFLICT WITH CONSTRUCTION OF THE PROPOSED WATER MAIN. EXISTING METERS WHICH WILL BE LOCATED BETWEEN THE PROPOSED WATER MAIN AND THE EXISTING EDGE OF ROADWAY, SHALL BE RELOCATED. ALL RELOCATED METERS SHALL BE LOCATED AT THE RIGHT OF WAY LINE AS SHOWN ON THE PLANS.

NO.	DATE	DESCRIPTION	BY
GENERAL NOTES			
COMSWIP SEWER/WATER PROJECT PHASE X			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
 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: NONE
Date: 03-16-2018		Working No. GN1	
Drawing No.: 1273-S011		Sheet No. 7	

CONTROL MONUMENT 1
TOP CENTER OF EXIST MANHOLE G910
N: 664,742.72
E: 829,344.51
3.86 FT LT STA. 10+15.19

CONT'D ON
SHEET No. 26

UNIVERSITY OF MISSISSIPPI
OWNER
118 COLLEGE DRIVE

SPECIAL NOTE:
CONTRACTOR SHALL VERIFY LOCATION
OF DORM SEWER SERVICE PRIOR TO
CONSTRUCTION

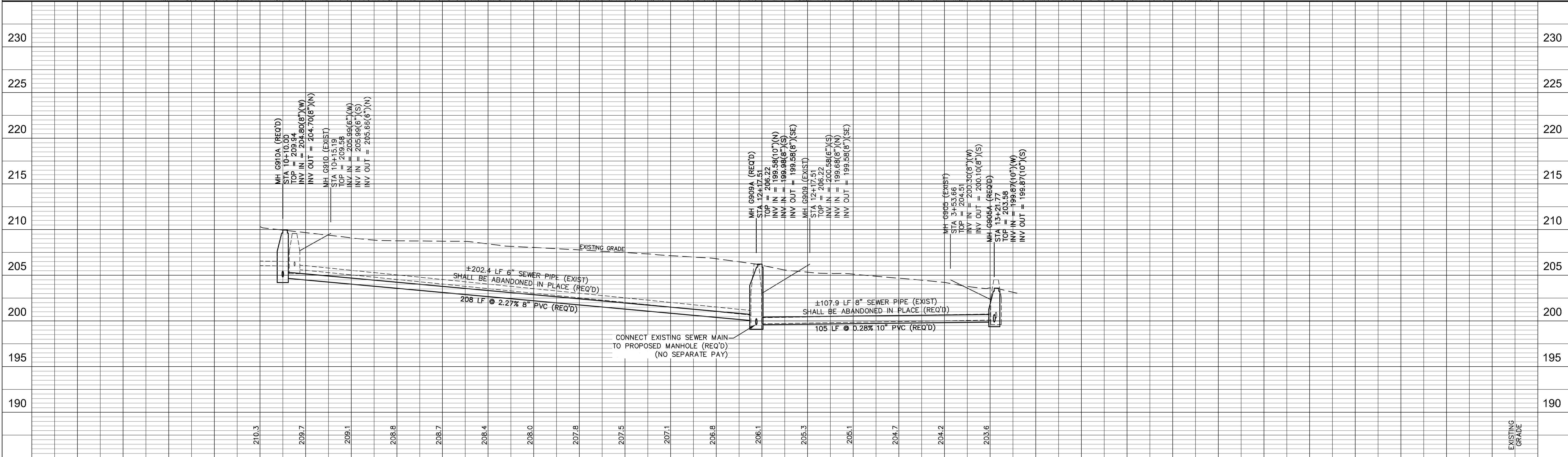
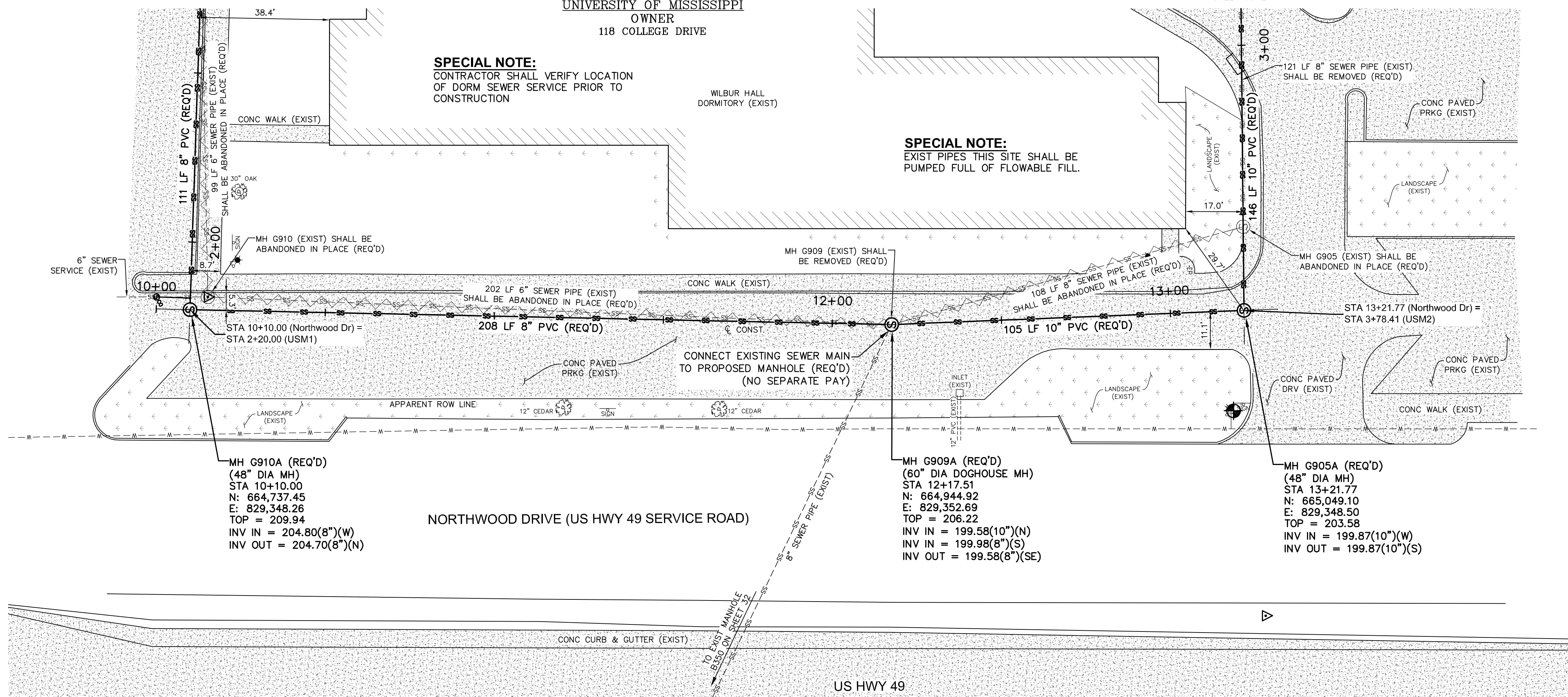
WILBUR HALL
DORMITORY (EXIST)

SPECIAL NOTE:
EXIST PIPES THIS SITE SHALL BE
PUMPED FULL OF FLOWABLE FILL.

BENCH MARK ELEVATION 205.73
TOP OPERATING MOUNT ON FIRE HYDRANT
29.6 FT RT STA. 13+17+51

CONTROL MONUMENT 2
GUARDED 60G GALV MAG NAIL
N: 665,055.63
E: 829,438.79
90.5 FT RT STA. 13+24.58

CONT'D ON
SHEET No. 27



NORTHWOOD DRIVE STA 10+00 - STA 13+22

COMSWIP SEWER & WATER – PHASE X
HATTIESBURG, MISSISSIPPI

			DRAWN BY: RES/SLS
			DATE: 03-26-2018
			CHECKED BY: JTW
DATE	REVISION	BY	SCALE: 1"=20' H, 1"=5' V

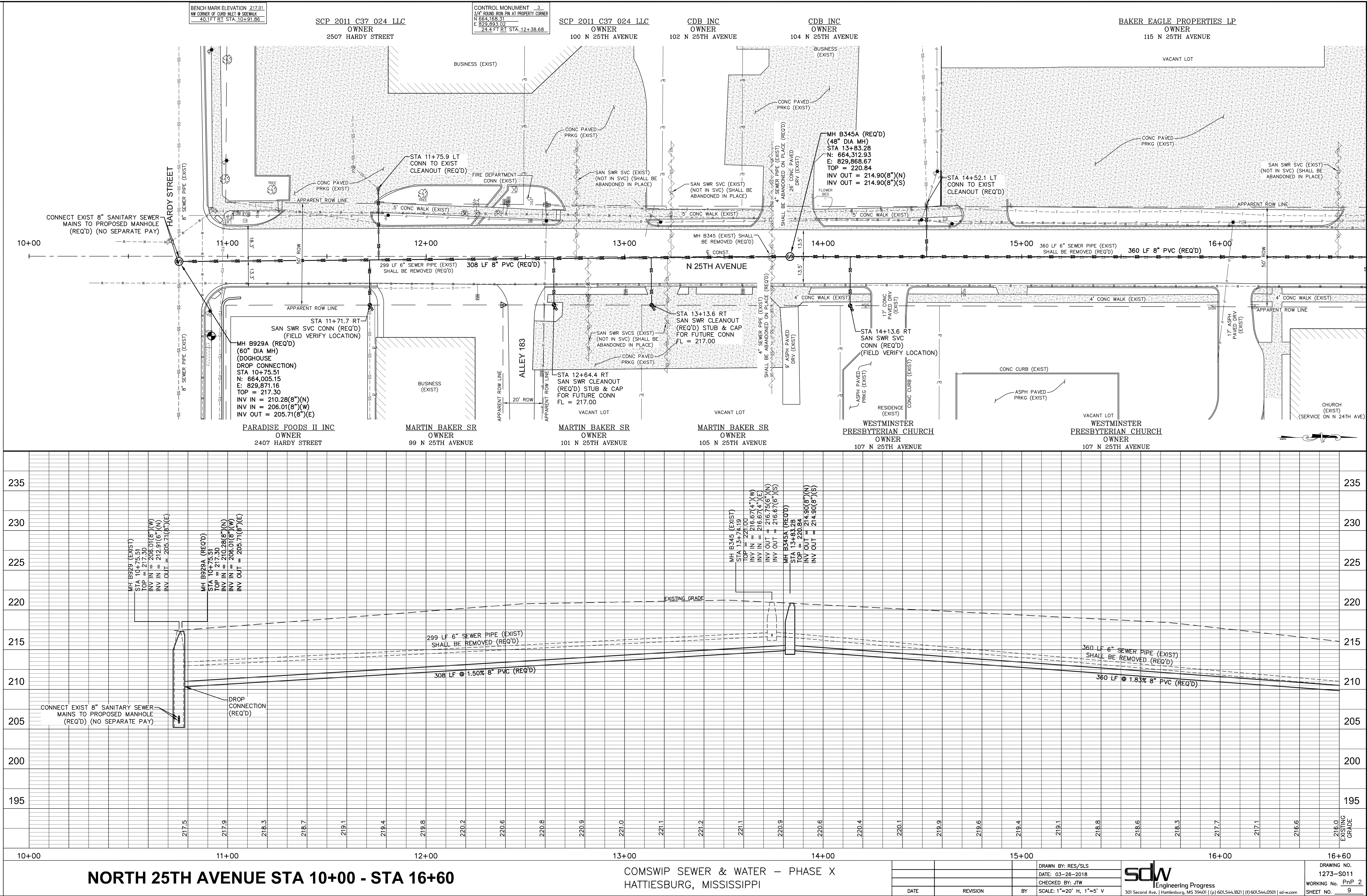


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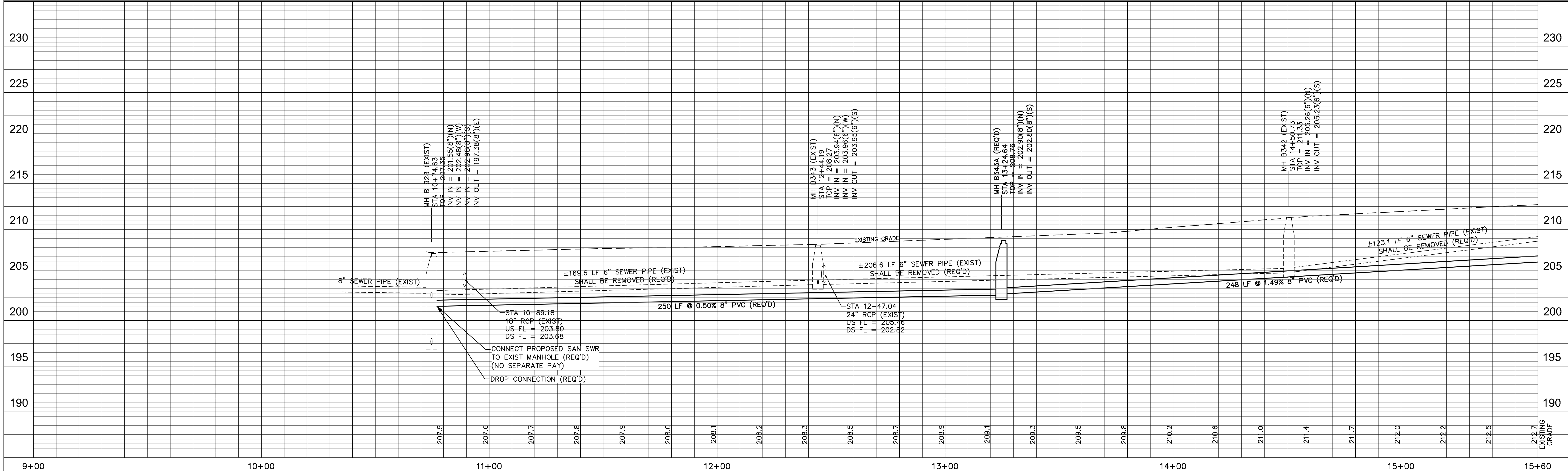
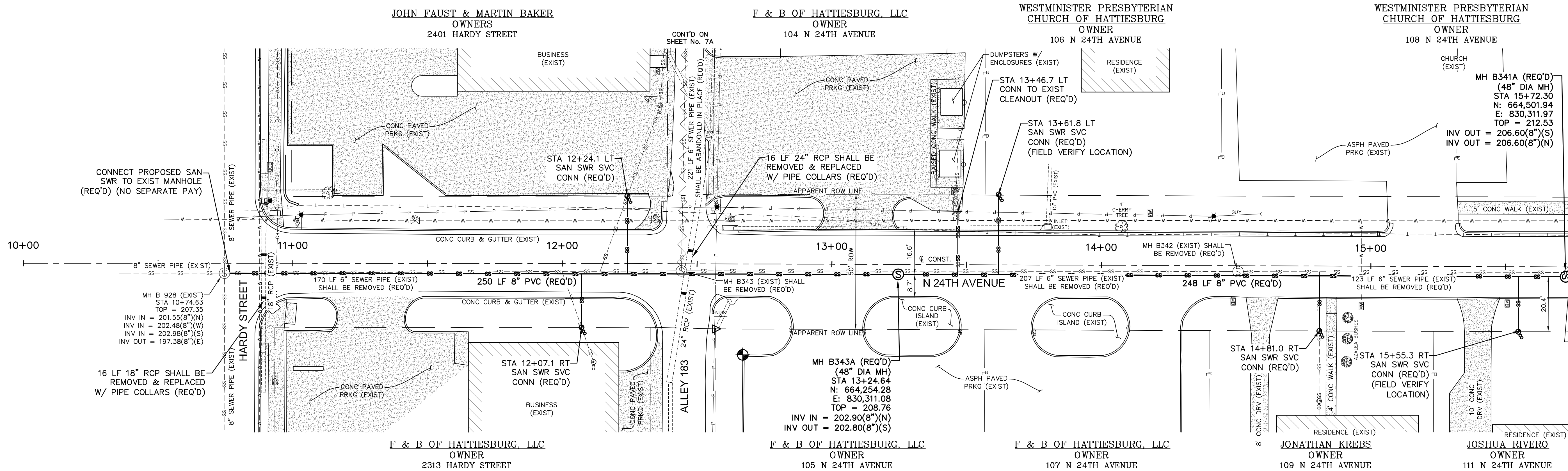
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WORKING No. PnP 1
SHEET NO. 8

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CONTROL MONUMENT 6
1/2" ROUND IRON PIN AT PROPERTY CORNER
N 664186.38
E 830331.91
24.1' FT RT STA. 12+56.82

BENCH MARK ELEVATION 208.62
BACK OF CURB AT THE SW CORNER OF PARKING LOT
33.7' FT RT STA. 12+67.06

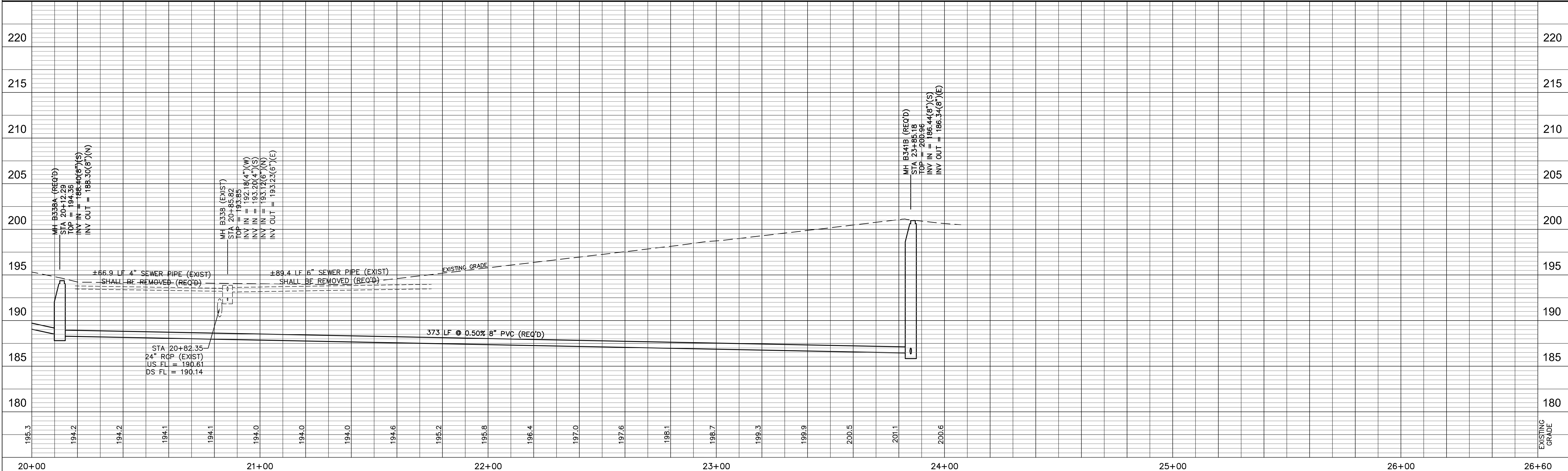
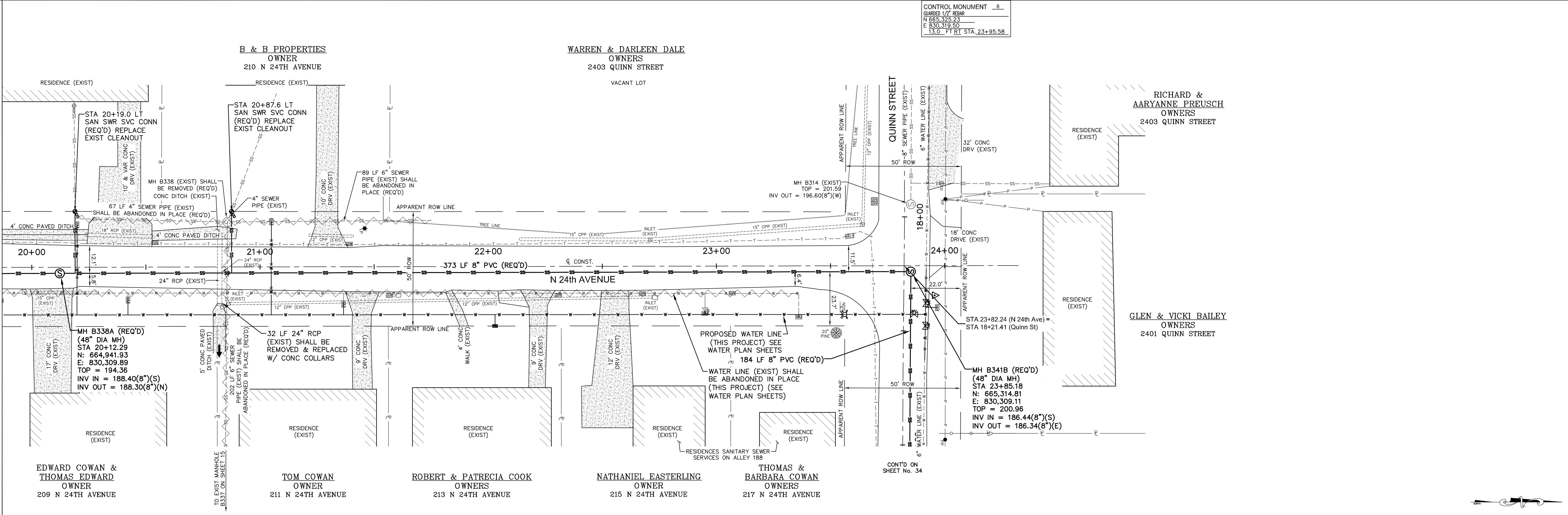


NORTH 24TH AVENUE STA 10+00 - STA 15+60

COMSWIP SEWER & WATER — PHASE X
HATTIESBURG, MISSISSIPPI

DRAWN BY: RES/SLS DATE: 03-26-2018			 Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com	DRAWING NO. 1273-S011 WORKING No. <u>PnP 5</u> SHEET NO. <u>12</u>
DATE	REVISION	BY		

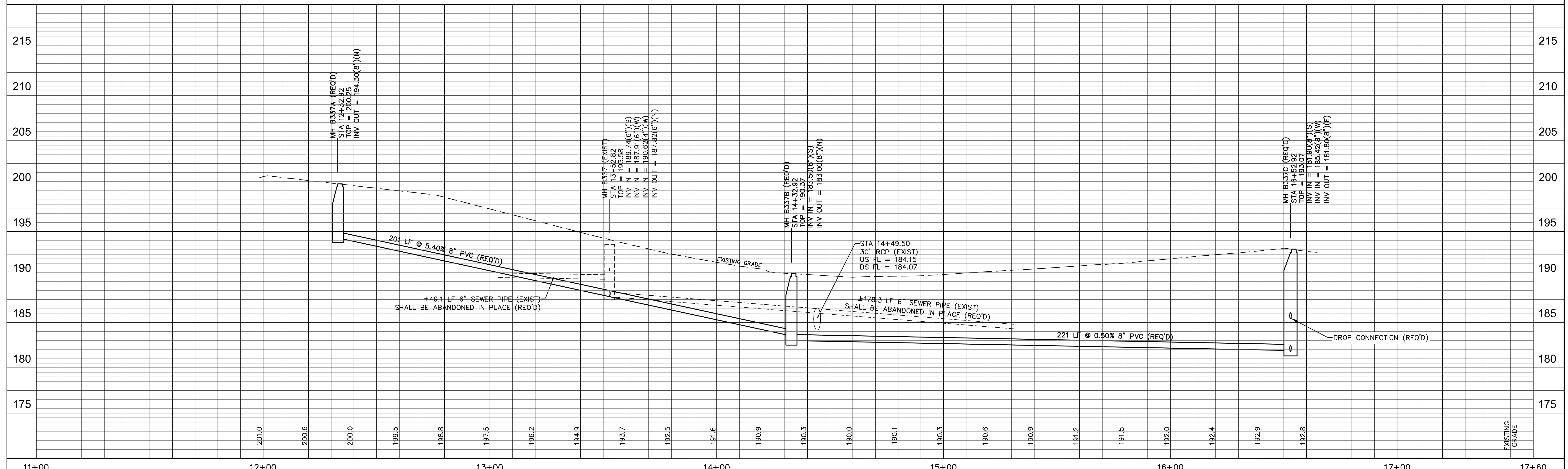
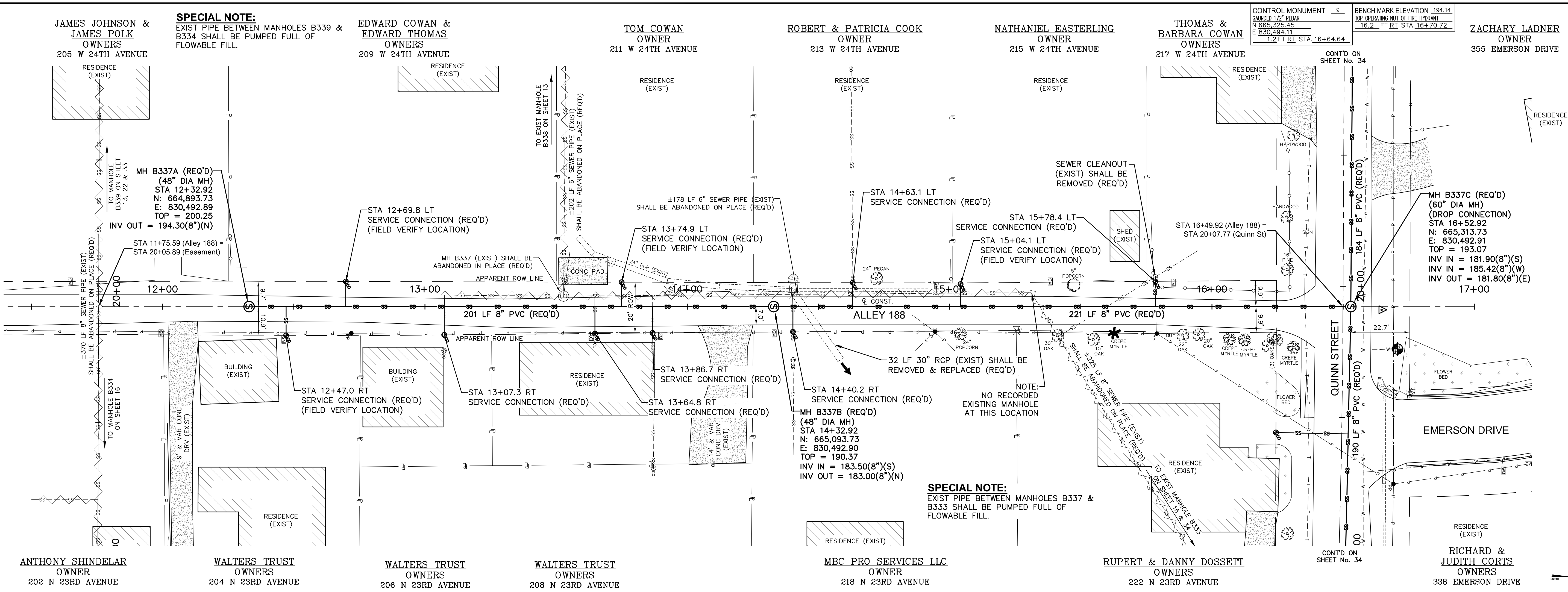
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NORTH 24TH AVENUE STA 20+00 - STA 24+00

COMSWIP SEWER & WATER – PHASE X
HATTIESBURG, MISSISSIPPI

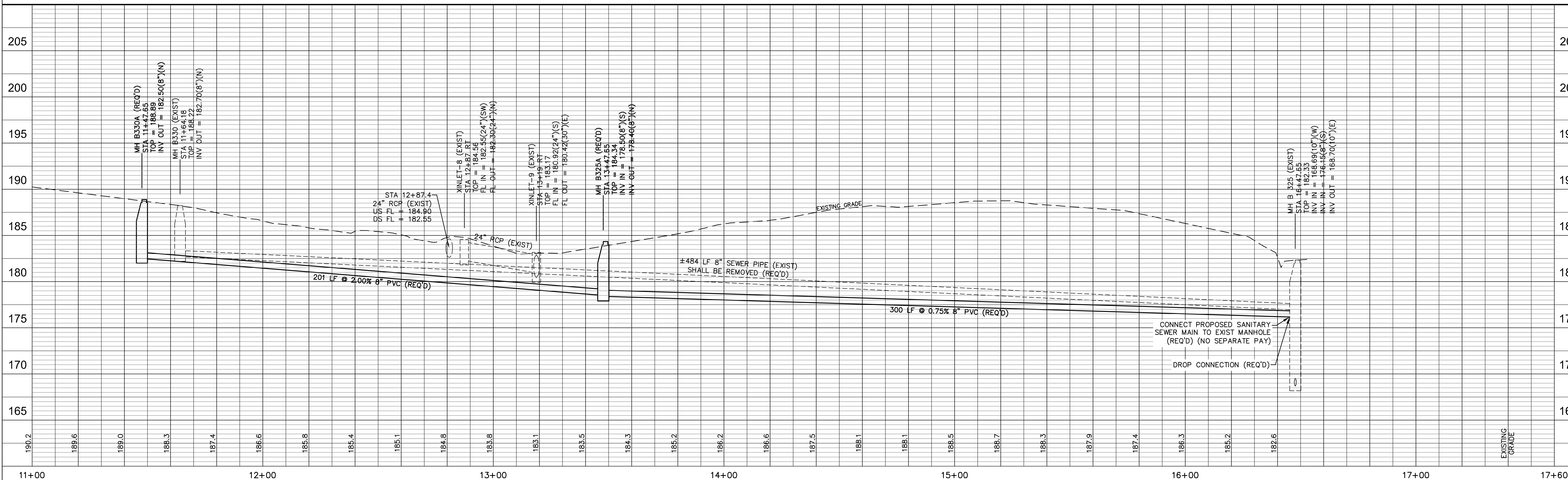
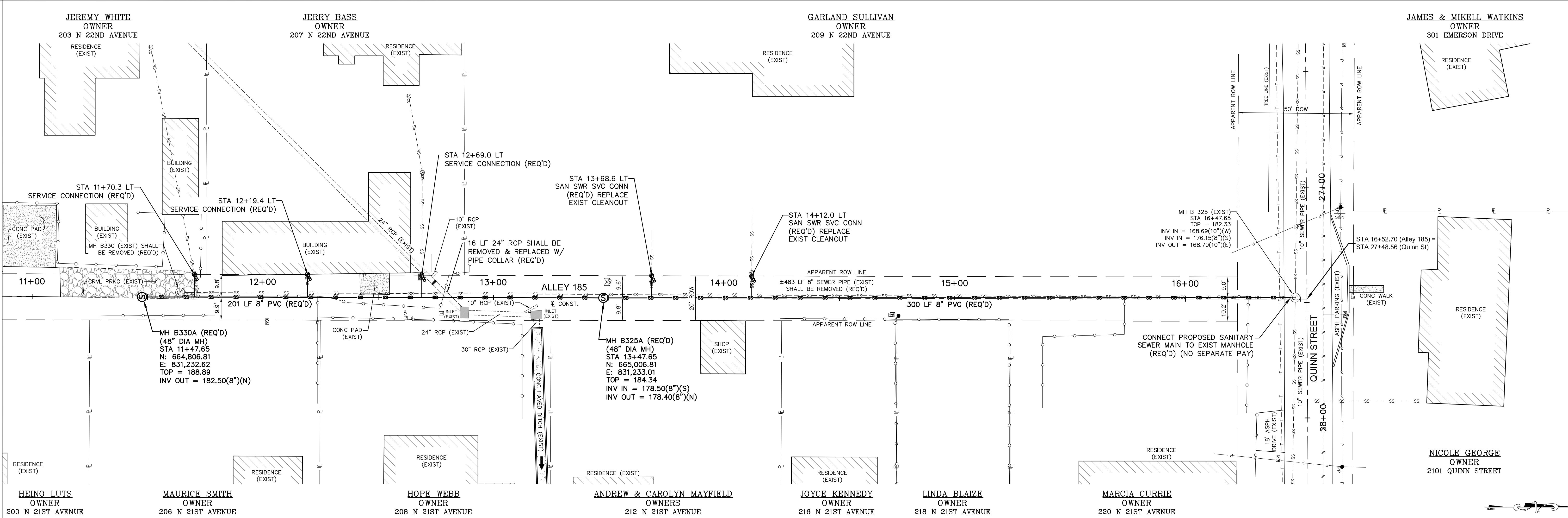
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			DATE: 03-26-2018		WORKING No. <u>PnP 7</u>
			CHECKED BY: JTW		SHEET NO. <u>14</u>
DATE	REVISION	BY	SCALE: 1"=20' H, 1"=5' V		



ALLEY 188 STA 12+00 - STA 20+10

COMSWIP SEWER & WATER — PHASE X
HATTIESBURG, MISSISSIPPI

DRAWN BY: RES/SLS		DATE: 03-26-2018	CHECKED BY: JW	SCALE: 1"=20' H, 1"=5' V		DRAWING No. 1273-S011 WORKING No. PnP 8 SHEET No. 15
DATE	REVISION					

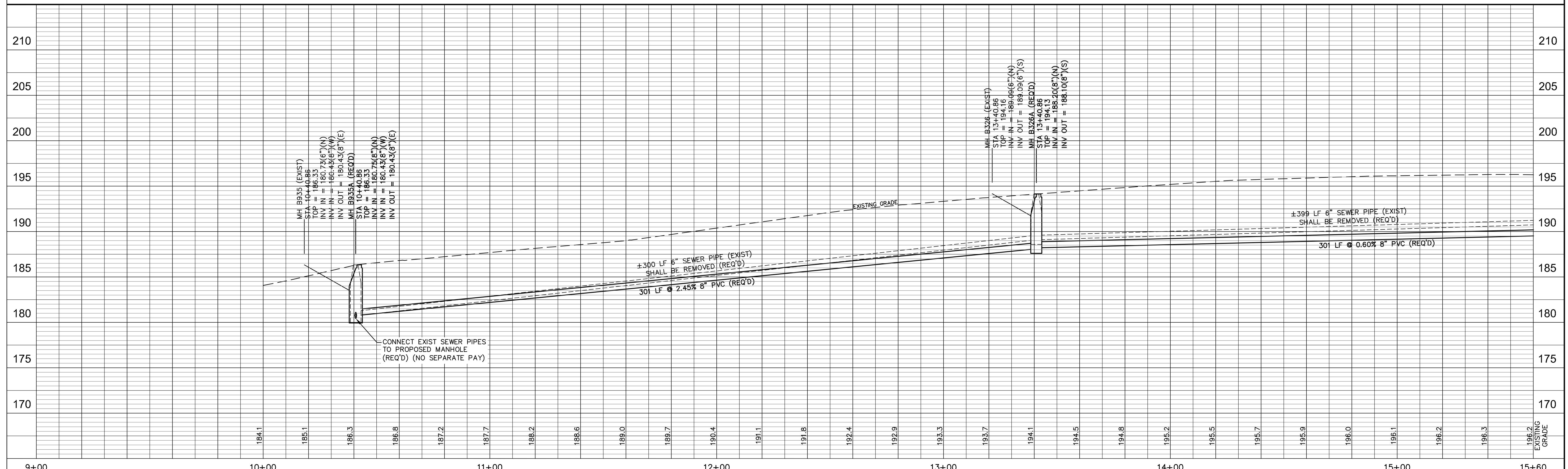
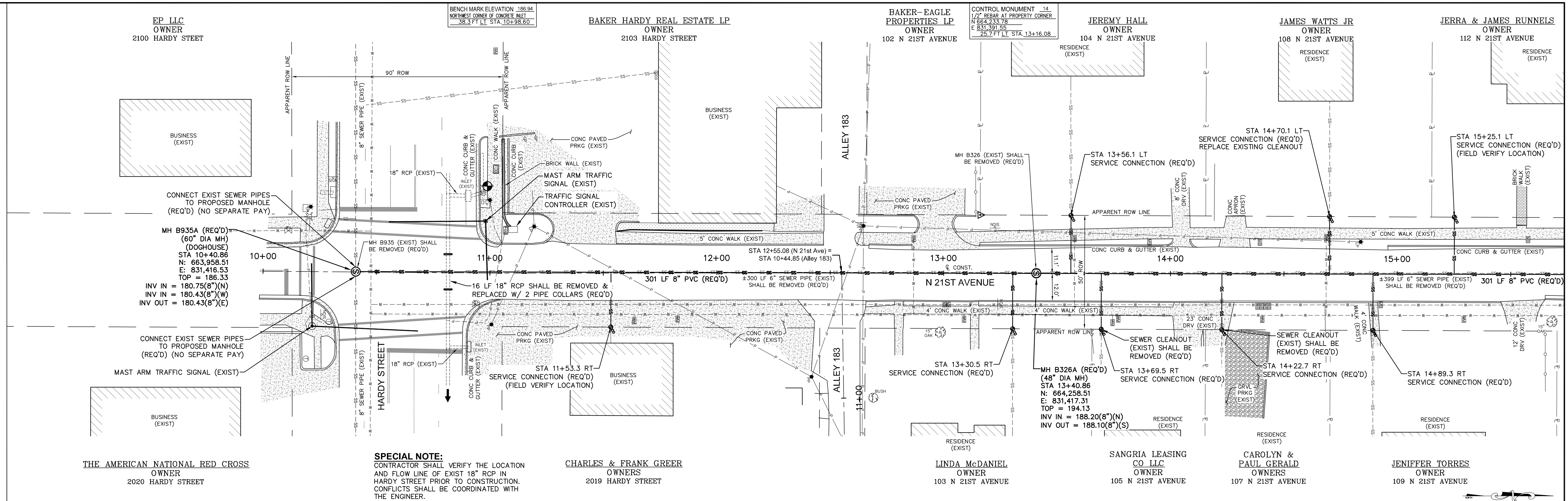


ALLEY 185 STA 11+00 - STA 16+50

COMSWIP SEWER & WATER — PHASE X
HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY	DRAWN BY: RES/SLS DATE: 03-26-2018 CHECKED BY: JTW 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-S011 WORKING No. PnP 10 SHEET NO. 17
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NORTH 21ST AVENUE STA 10+00 - STA 15+60

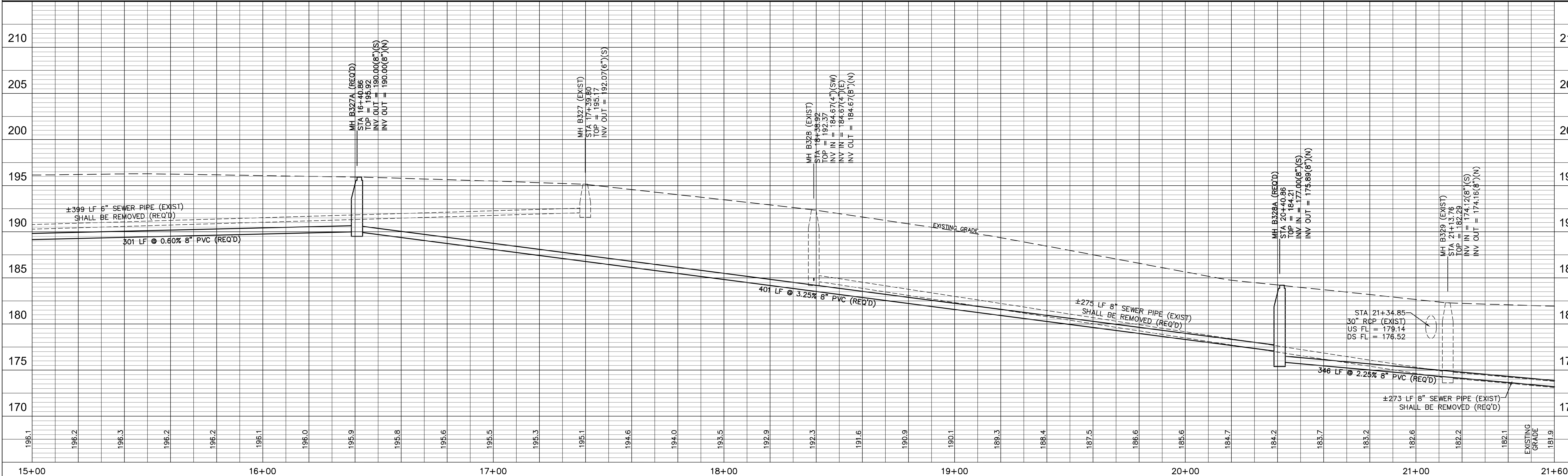
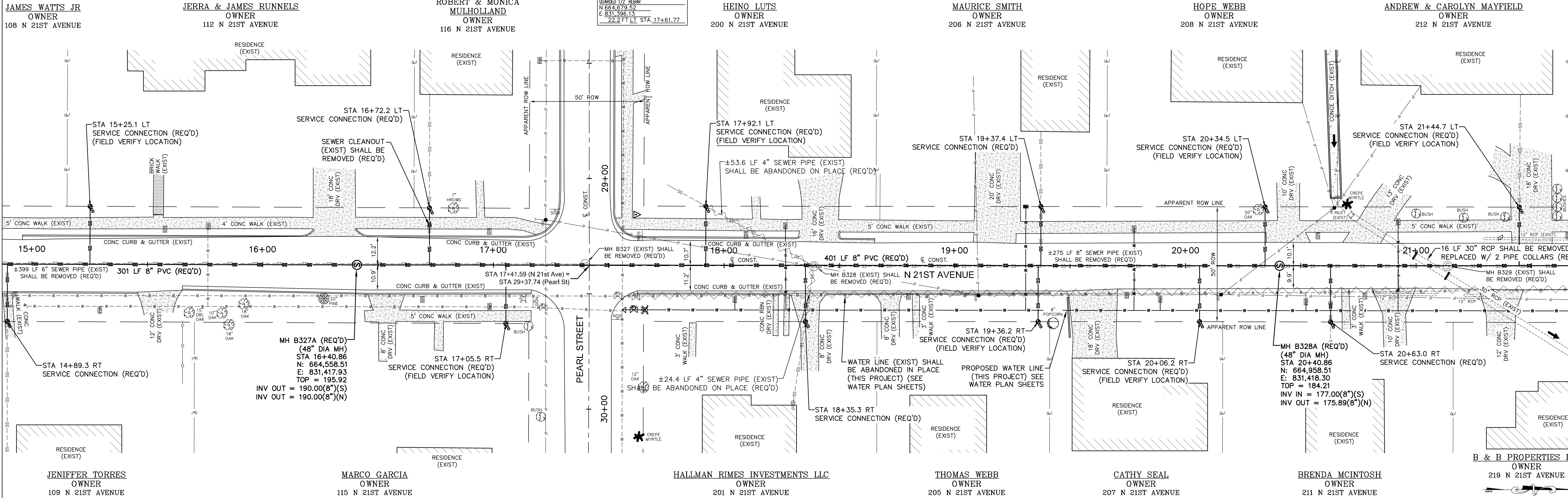
COMSWIP SEWER & WATER — PHASE X
HATTIESBURG, MISSISSIPPI

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DATE	REVISION	BY					



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DRAWING NO.
1273-S011
WORKING No. PnF 11
SHEET NO. 18



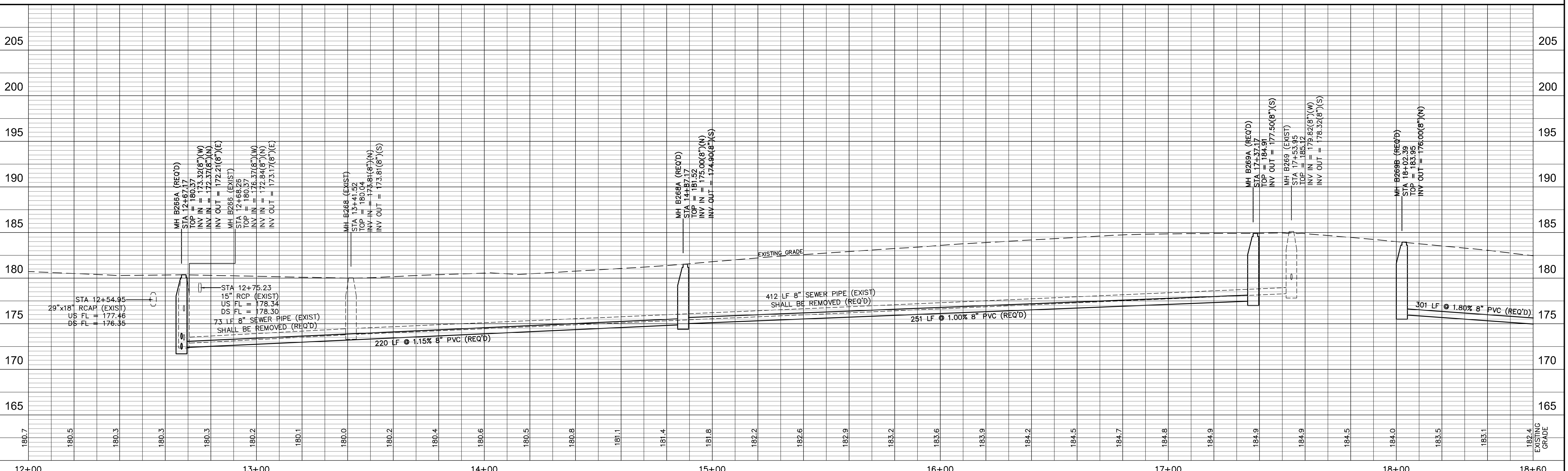
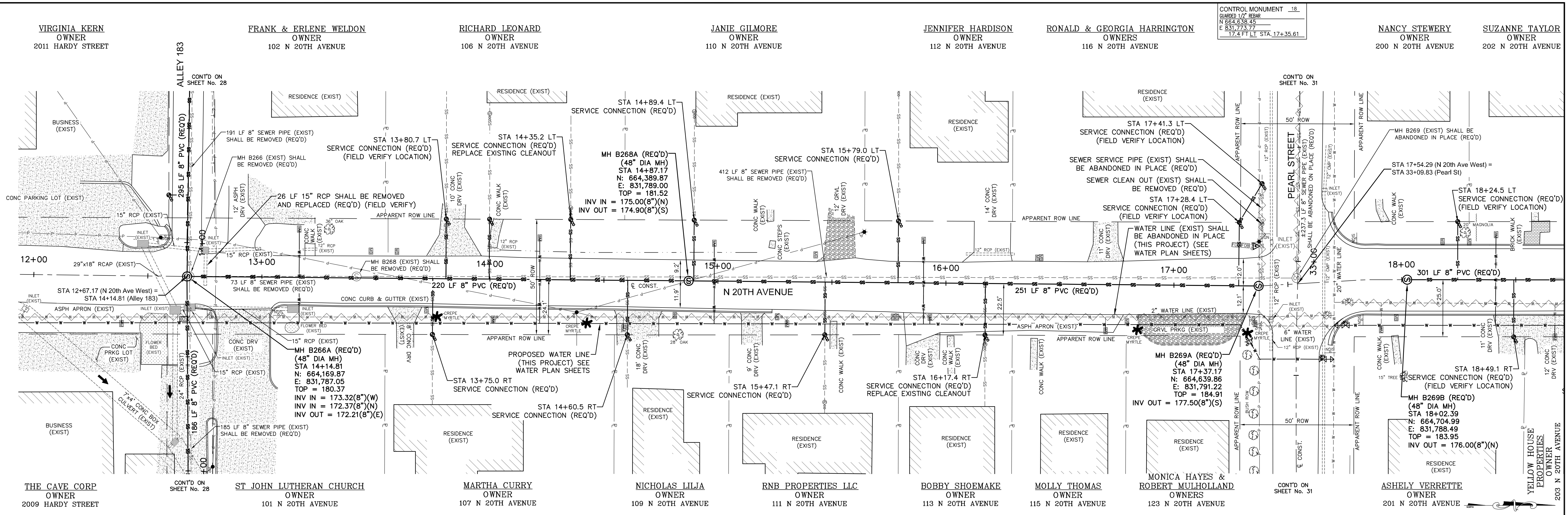
NORTH 21ST AVENUE STA 15+00 - STA 21+60

COMSWIP SEWER & WATER – PHASE X
HATTIESBURG, MISSISSIPPI

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NORTH 20TH AVE (WEST) STA 12+60 - STA 18+60

COMSWIP SEWER & WATER — PHASE X
HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY	SCALE: 1"=20' H, 1"=5' V	DRAWN BY: RES/SLS DATE: 03-26-2018 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 sdw.com	DRAWING NO. 1273-S011 WORKING NO. PWP 14 SHEET NO. 21
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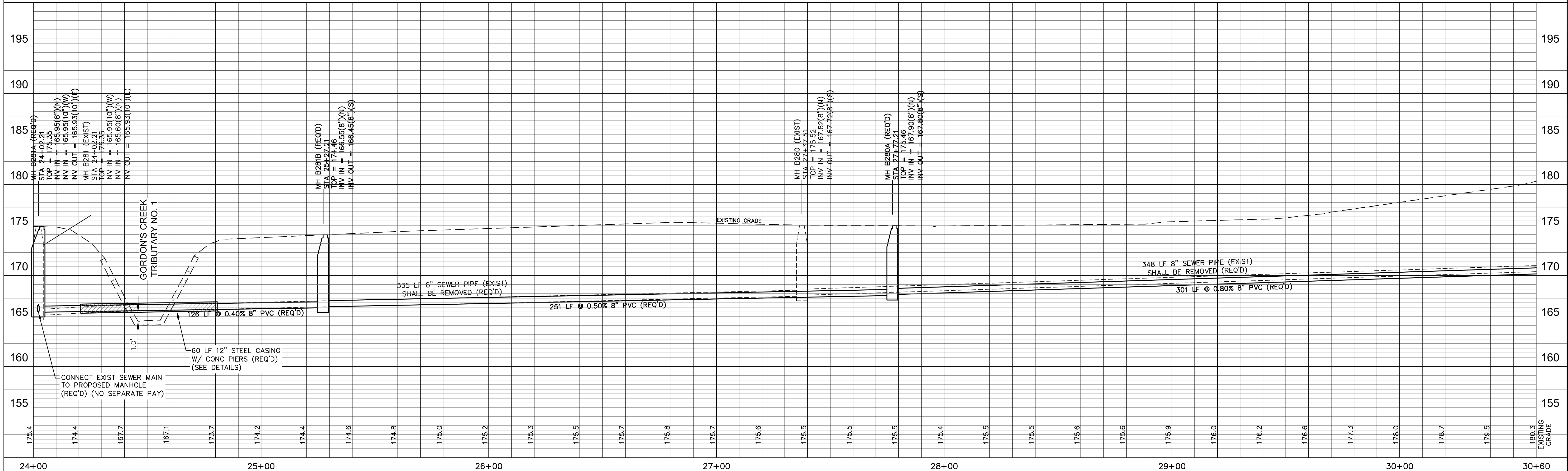
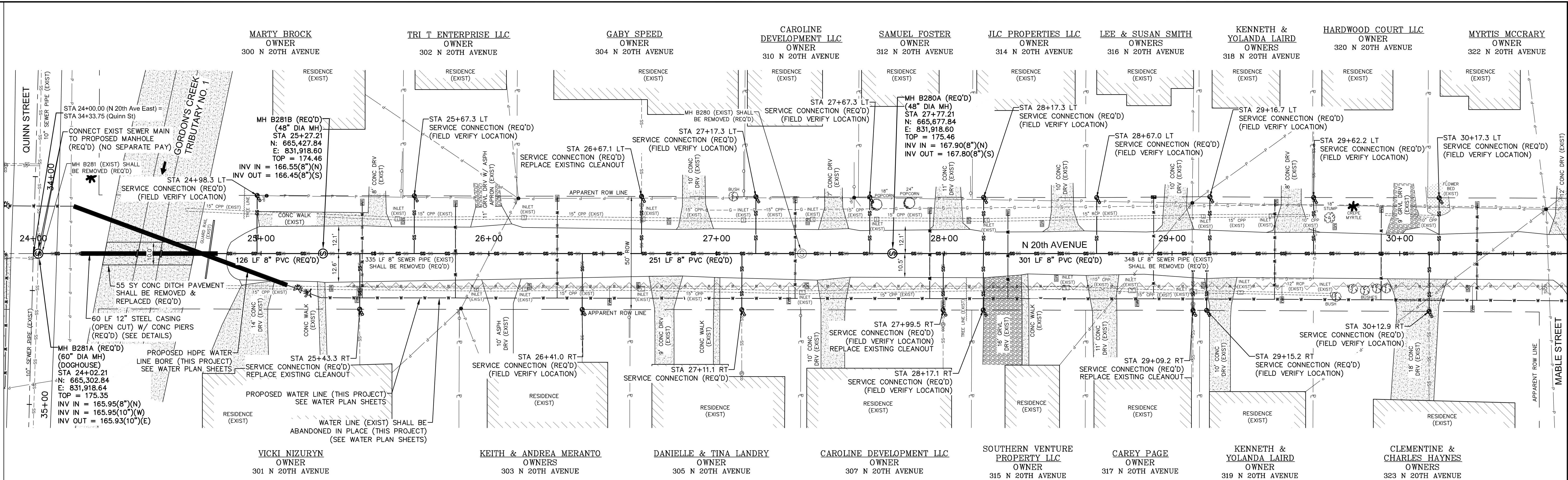
GORDON'S CREEK
TRIBUTARY NO. 1



COMSWIP SEWER & WATER – PHASE X
HATTIESBURG, MISSISSIPPI



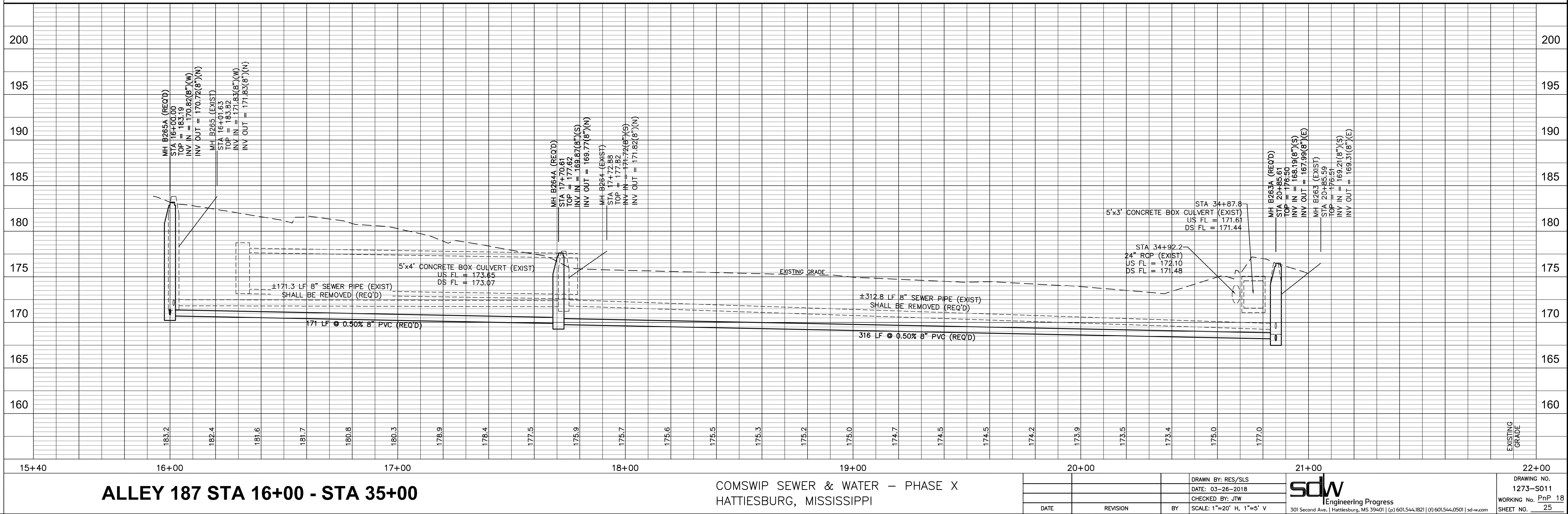
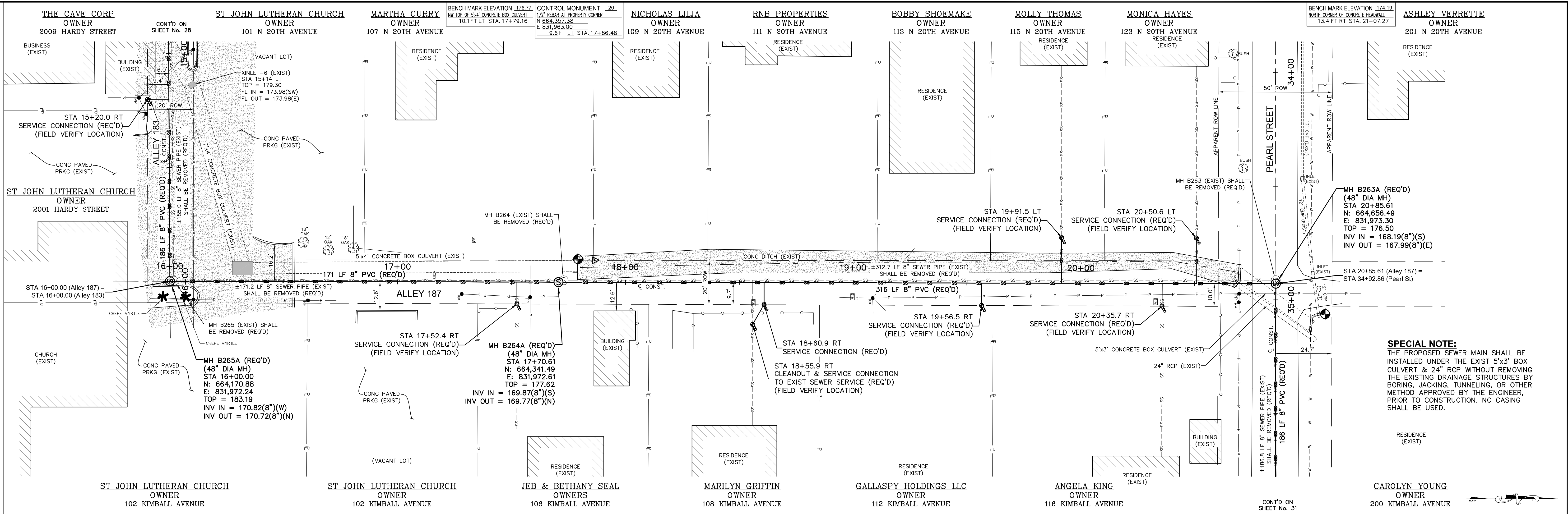
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NORTH 20TH AVENUE (EAST) STA 24+00 - STA 30+60

COMSWIP SEWER & WATER – PHASE X
HATTIESBURG, MISSISSIPPI

DATE		REVISION	BY	DRAWN BY: RES/SLS DATE: 03-26-2018 CHECKED BY: JTW 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-S011 WORKING No. P16 SHEET NO. 23
DATE		REVISION	BY			



ALLEY 187 STA 16+00 - STA 35+00

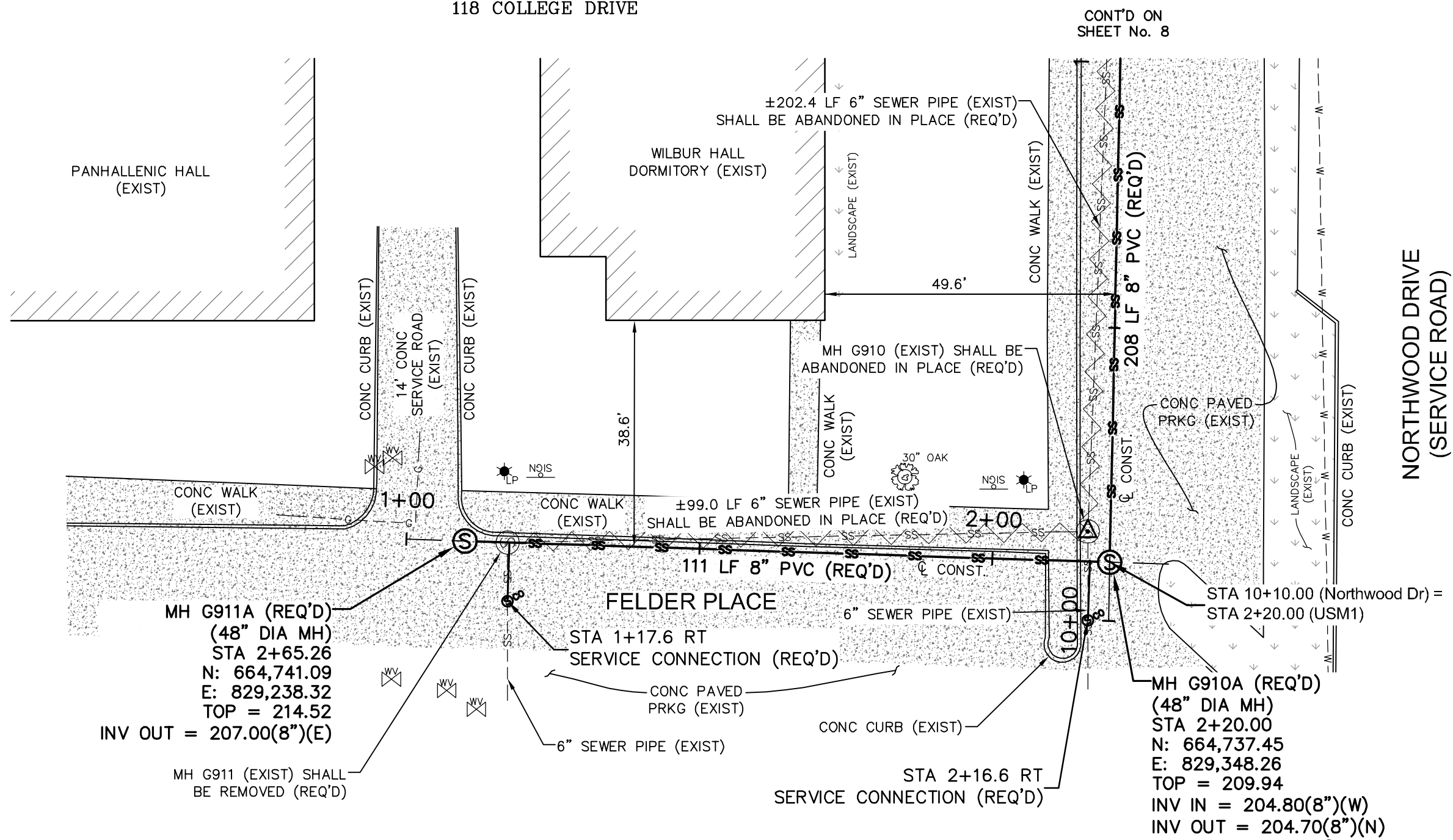
COMSWIP SEWER & WATER – PHASE X
HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY	DRAWN BY: RES/SLS	Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.0501 (f) 601.544.0501 sd-w.com	DRAWING NO. 1273-S011 WORKING No. PnP 18 SHEET NO. 25
			CHECKED BY: JTW		

CONTROL MONUMENT - 1
TOP OF CENTER EXIST MANHOLE G910
N 664.742.72
E 829.344.51
5.1 FT LT STA. 2+16.08

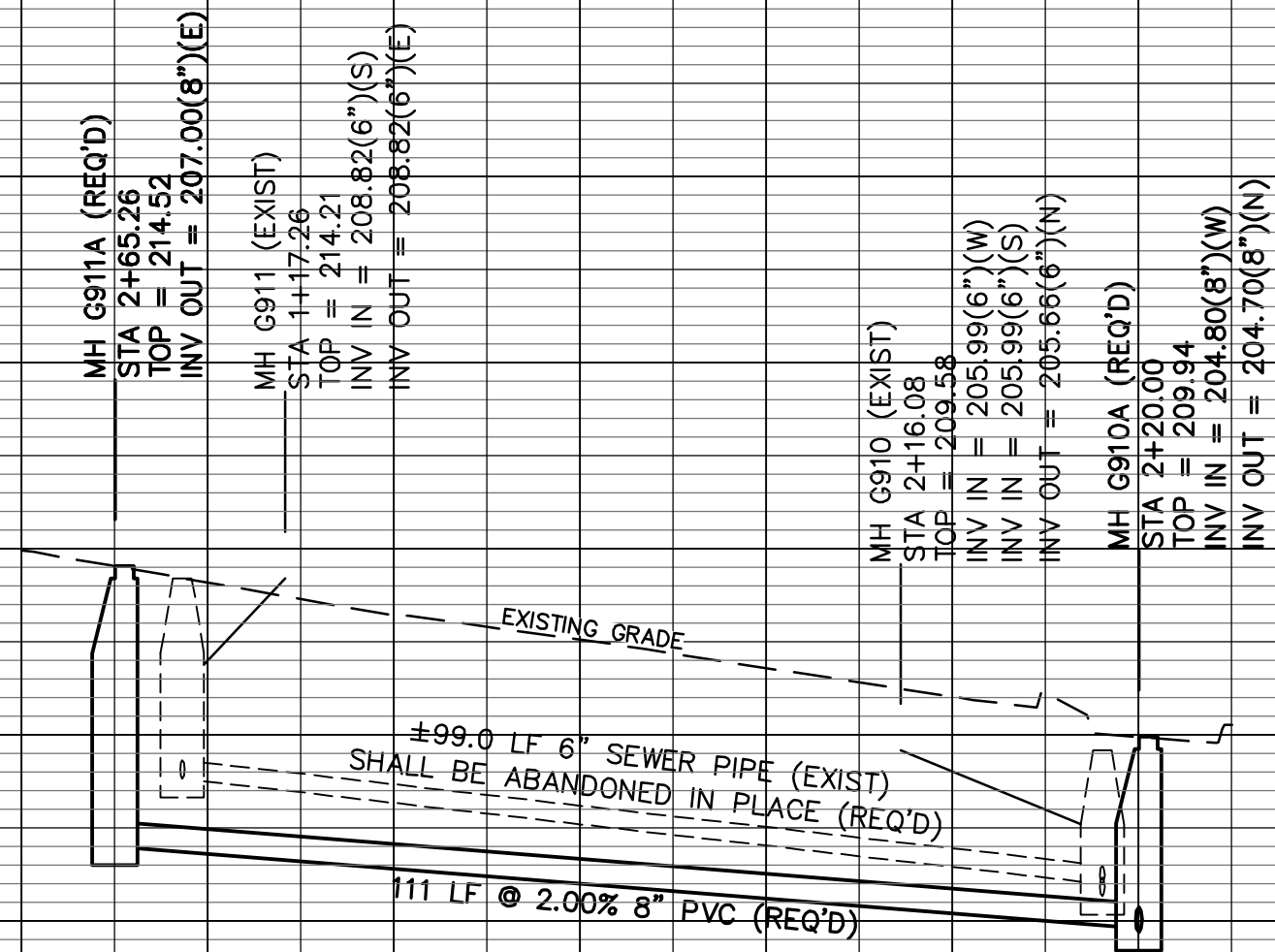
UNIVERSITY OF MISSISSIPPI
OWNER
118 COLLEGE DRIVE

SPECIAL NOTE:
EXIST PIPES THIS SITE SHALL BE
PUMPED FULL OF FLOWABLE FILL.



UNIVERSITY OF MISSISSIPPI
OWNER
118 COLLEGE DRIVE

SPECIAL NOTE:
CONTRACTOR SHALL VERIFY LOCATION
OF DORM SEWER SERVICE PRIOR TO
CONSTRUCTION



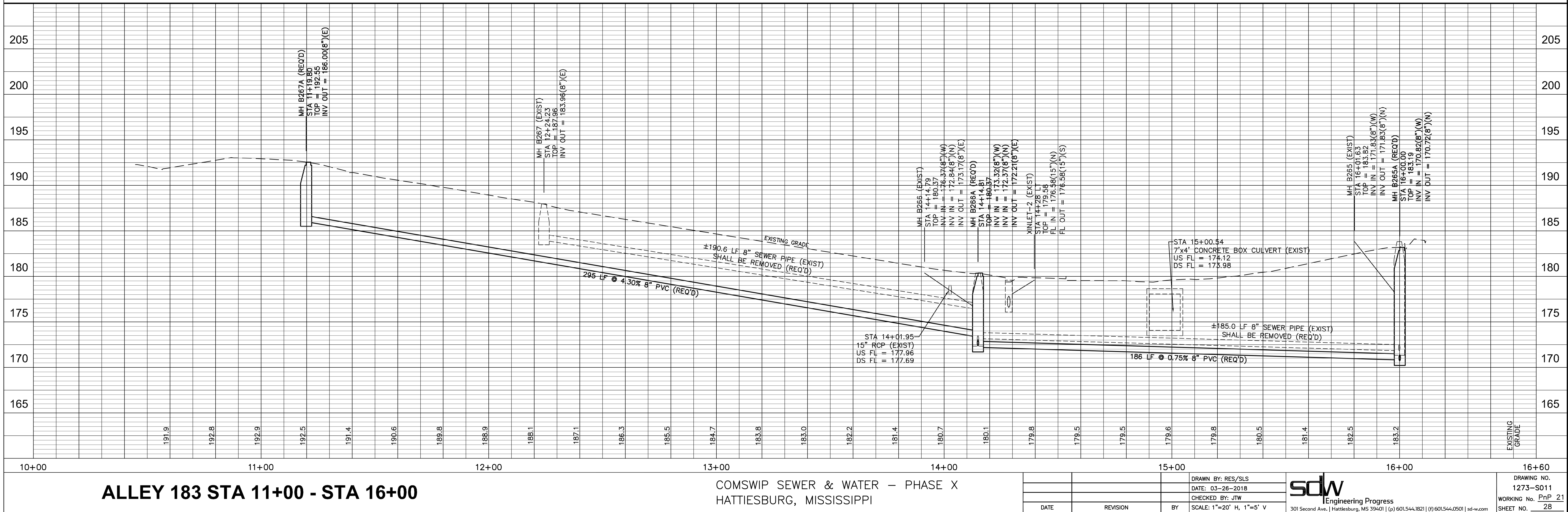
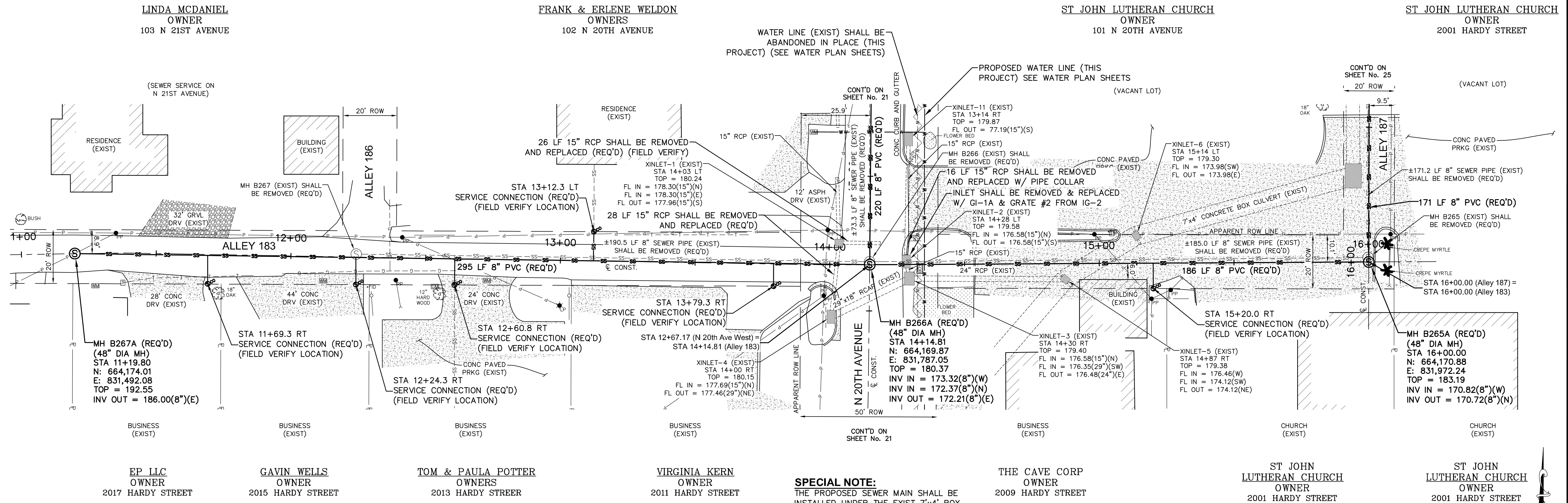
FELDER PLACE (USM1) STA 1+00 - STA 2+20

COMSWIP SEWER & WATER — PHASE X
HATTIESBURG, MISSISSIPPI

			DRAWN BY: RES/SLS
			DATE: 03-26-2018
			CHECKED BY: JTW
DATE	REVISION	BY	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

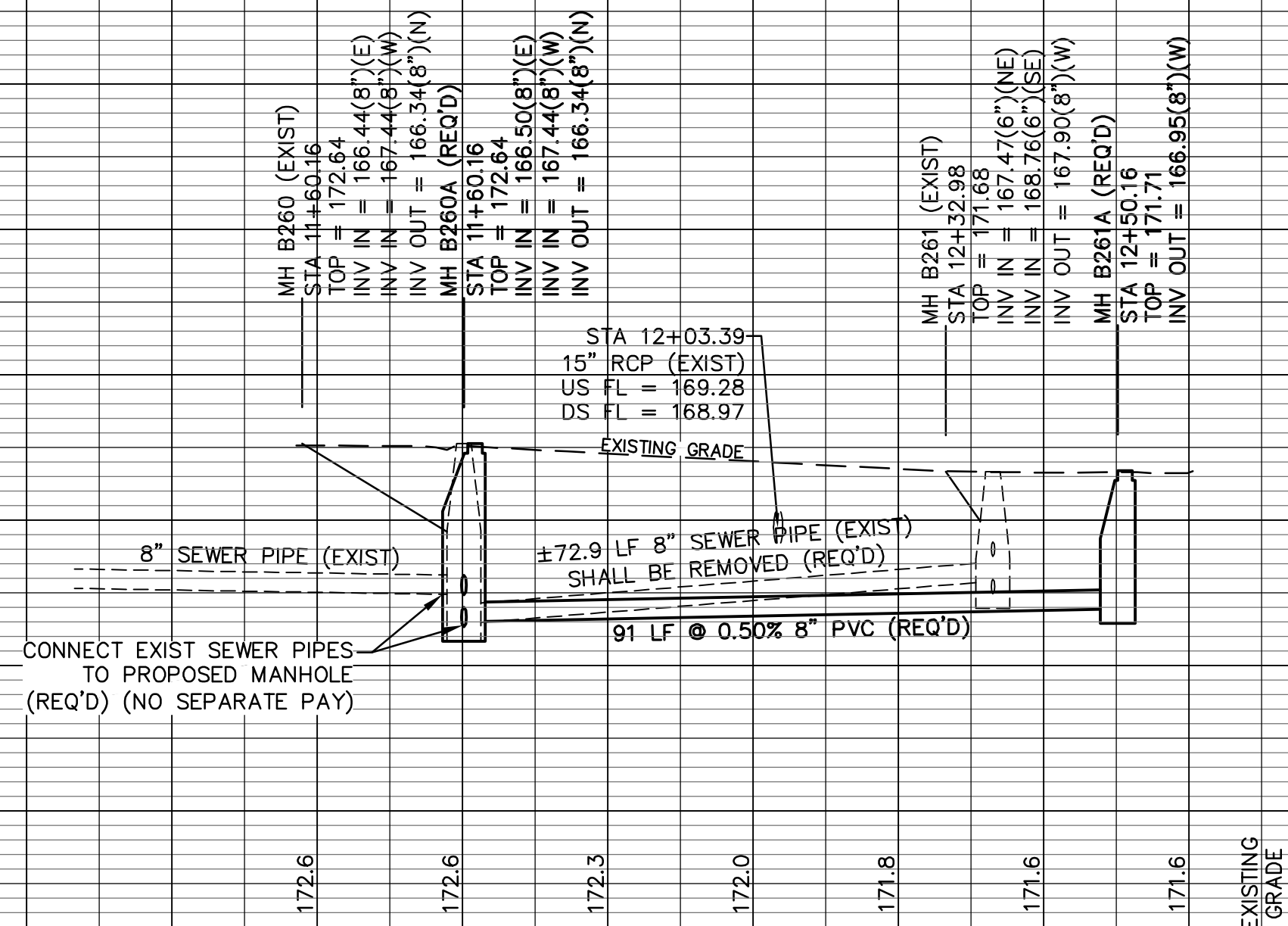
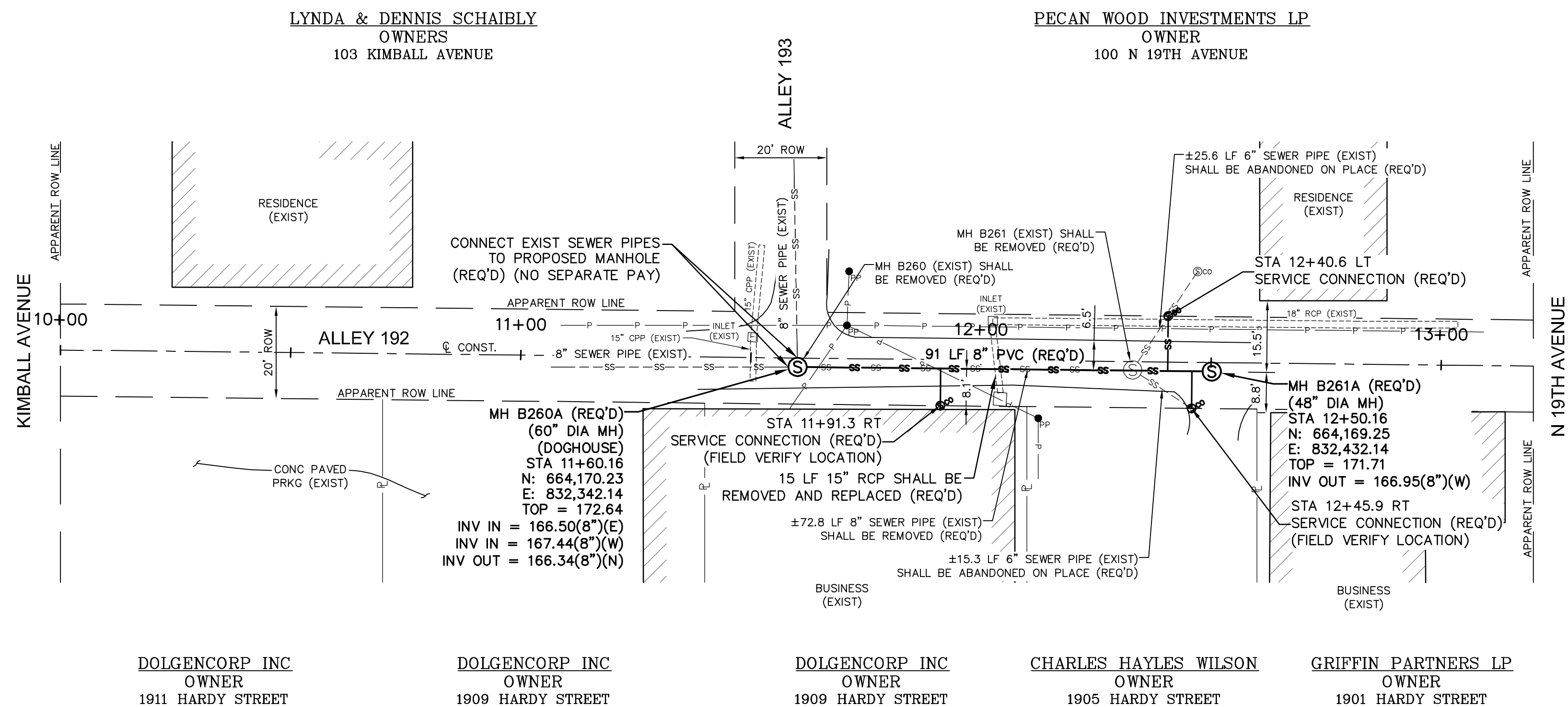
DRAWING NO. 1273-S011
WORKING No. PnP 19
SHEET NO. 26



ALLEY 183 STA 11+00 - STA 16+00

COMSWIP SEWER & WATER - PHASE X
HATTIESBURG, MISSISSIPPI

DATE	REVISION	BY	SCALE: 1"=20' H, 1"=5' V	DRAWN BY: RES/SLS DATE: 03-26-2018 CHECKED BY: JW Engineering Progress 301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com	DRAWING NO. 1273-S011 WORKING No. PnP 21 SHEET NO. 28
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ALLEY 192 STA 11+40 - STA 12+60

COMSWIP SEWER & WATER — PHASE X
HATTIESBURG, MISSISSIPPI

			DRAWN BY: RES/SLS
			DATE: 03-26-2018
			CHECKED BY: JTW
DATE	REVISION	BY	SCALE: 1"=20' H, 1"=5' V

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DRAWING NO. 1273-S011
WORKING No. PnP 22
SHEET NO. 29

CONTROL MONUMENT - 4
3/4" ROUND IRON PIN AT PROPERTY CORNER
N 664,668.25
E 829,844.18
25.3 FT LT STA. 13+63.63

CONTROL MONUMENT - 7
3/4" ROUND IRON PIN AT PROPERTY CORNER
N 664,636.54
E 830,282.99
25.2 FT RT STA. 18+02.53

LA FIESTA OF HATTIESBURG
OWNERS
203 N 26TH AVENUE

HARDIN PROPERTIES LLC
OWNER
201 N 25TH AVENUE

HARDIN PROPERTIES LLC
OWNER
2407 PEARL STREET

CARVER PROPERTIES LLC
OWNER
2405 PEARL STREET

WESTMINSTER PRESBYTERIAN CHURCH
OWNER
115 N 25TH AVENUE

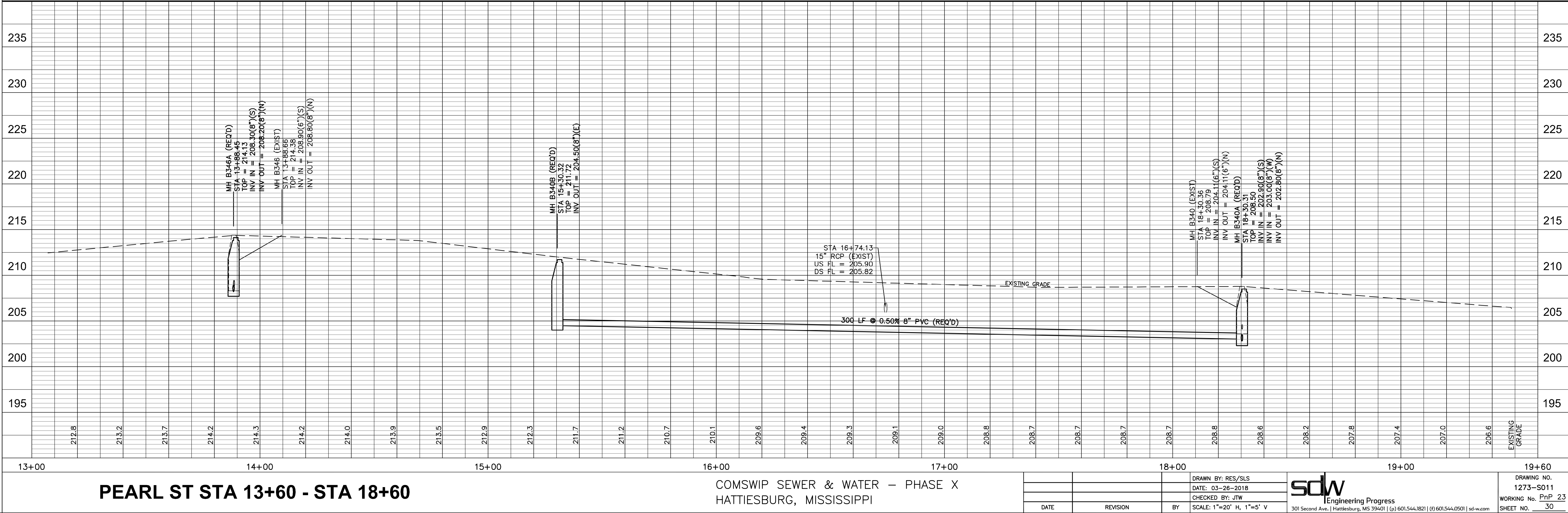
SHEMPER PROPERTIES LLC
OWNER
201 N 24TH AVENUE

BAKER EAGLE PROPERTIES L P
OWNER
115 N 26TH AVENUE

WESTMINSTER PRESBYTERIAN CHURCH
OWNER
107 N 25TH AVENUE

WESTMINSTER PRESBYTERIAN CHURCH
OWNER
2304 PEARL STREET

SPECIAL NOTE:
CONTRACTOR SHALL VERIFY THE
LOCATIONS OF ALL SEWER SERVICES FOR
THE CHURCH PRIOR TO CONSTRUCTION.



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CONTROL MONUMENT 10
3/4" ROUND IRON PIN AT PROPERTY CORNER
N 66.4590.18
E 830703.54
54.31 FT LT STA. 22+16.85

HILARY & CATHERINE ENGLERT
OWNERS
206 N 24TH AVENUE

EDWARD & THOMAS COWAN
OWNERS
209 N 24RD AVENUE

ROBERT & LINDA WALTERS
OWNERS
204 N 23RD AVENUE

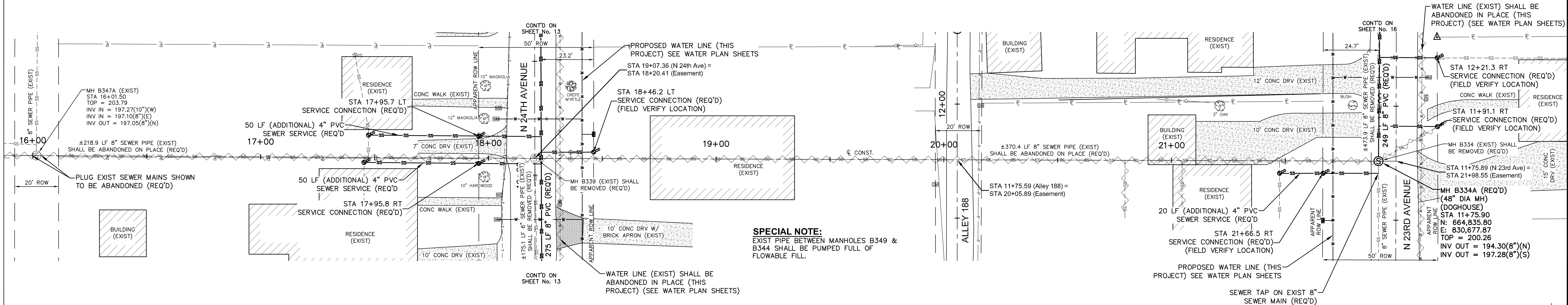
JAMES O'NEAL
OWNER
205 N 23RD AVENUE

CHARLOTTE WALTERS
OWNER
204 N 24TH AVENUE

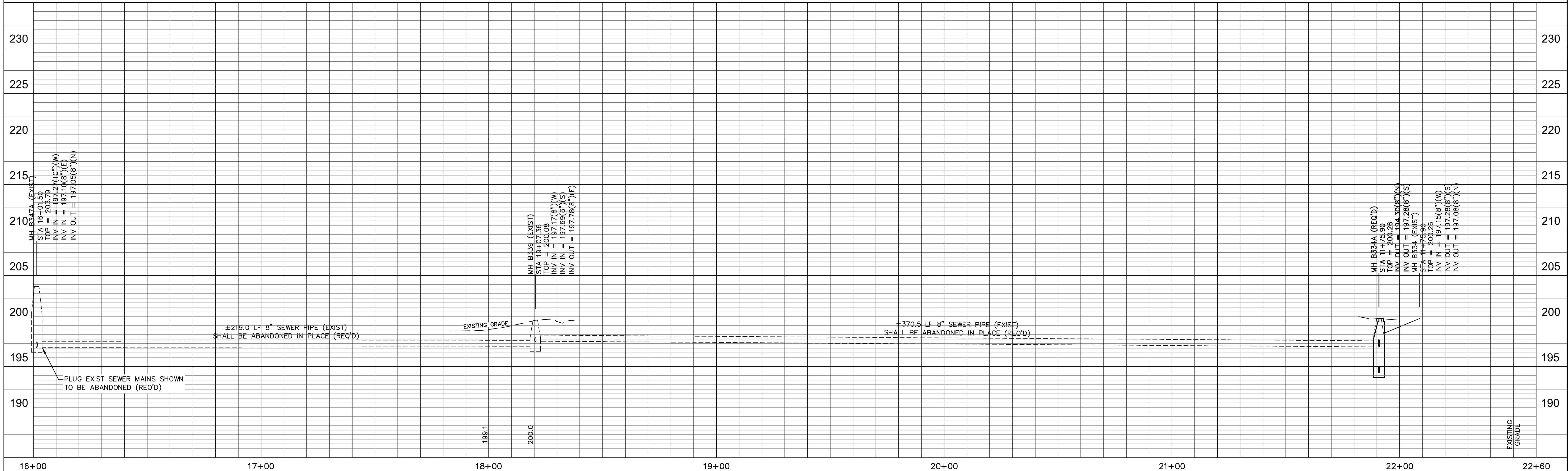
JAMES & VICTORIA JOHNSON
& JAMES POLK
OWNERS
205 N 24TH AVENUE

ANTHONY SHINDELAR
OWNER
202 N 23RD AVENUE

SHANNON EPTING
OWNER
201 N 23RD AVENUE



SPECIAL NOTE:
EXIST PIPE BETWEEN MANHOLES B349 & B344 SHALL BE PUMPED FULL OF FLOWABLE FILL.



EASEMENT STA 16+00 - STA 22+00

COMSWIP SEWER & WATER — PHASE X
HATTIESBURG, MISSISSIPPI

			DRAWN BY: RES/SLS		DRAWING NO. 1273-S011
			DATE: 03-26-2018		
			CHECKED BY: JTW		
DATE	REVISION	BY	SCALE: 1"=20' H, 1"=5' V	301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com	WORKING No. Pn12 26
					SHEET NO. 33

CONTROL MONUMENT 8
GUARDED 1/2" REBAR
N 665,328.73
E 830,319.50
13.5 FT LT STA. 18+34.23

CONTROL MONUMENT 9
GUARDED 1/2" REBAR
N 665,325.45
E 830,494.11
14.7 FT LT STA. 20+08.91

BENCH MARK ELEVATION 194.14
TOP OPERATING NUT ON FIRE HYDRANT
20.9 FT LT STA. 20+23.66

CONTROL MONUMENT 11
GUARDED 1/2" REBAR
N 665,322.51
E 830,728.54
15.3 FT LT STA. 22+43.54

TERRY FLOYD & LESLIE KLAUS
OWNERS
2407 QUINN STREET

RICHARD & MARYANNE PREUSCH
OWNERS
2403 QUINN STREET

GLEN & VICKI BAILEY
OWNERS
2401 QUINN STREET

ZACHARY LADNER
OWNER
355 EMERSON DRIVE

RICHARD & JUDITH CORTS
OWNERS
338 EMERSON DRIVE

TIMOTHY DICKINSON
OWNER
2205 QUINN STREET

DALE & DARLEEN WARREN
OWNERS
2403 QUINN STREET

THOMAS & BARBARA COWAN
OWNERS
217 N 24TH AVENUE

RUPERT & DANNY DOSSETT
OWNERS
222 N 23RD AVENUE

KEVIN KEMP
OWNER
219 N 23RD AVENUE

QUINN STREET STA 18+00 - STA 22+00

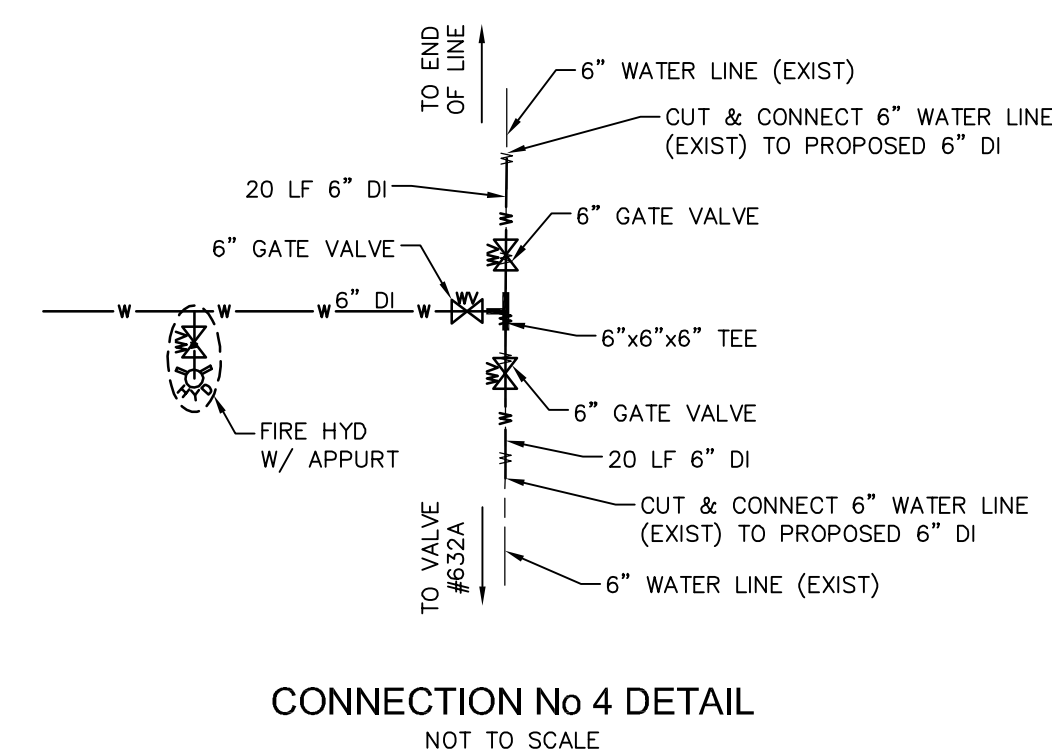
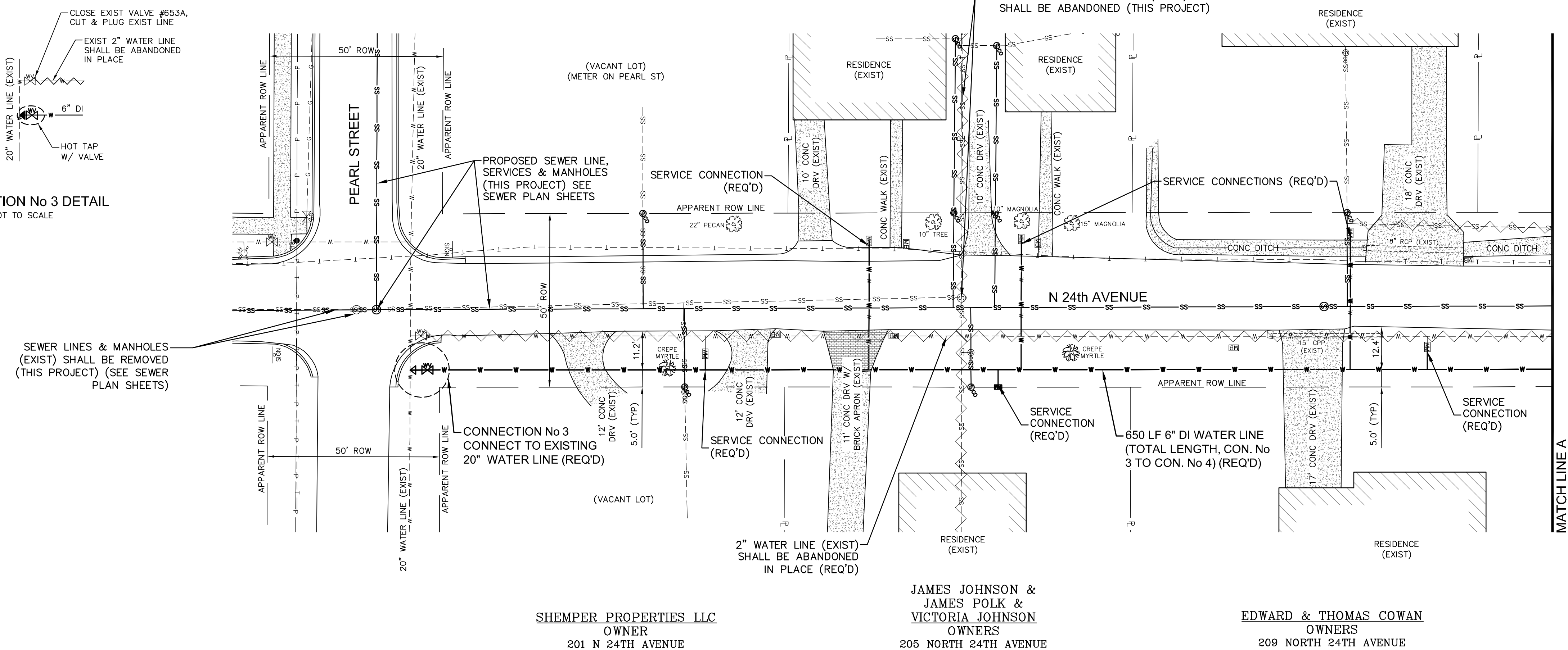
COMSWIP SEWER & WATER - PHASE X
HATTIESBURG, MISSISSIPPI

DRAWN BY: RES/SLS
DATE: 03-26-2018
CHECKED BY: JTW
SCALE: 1"=20' H, 1"=5' V

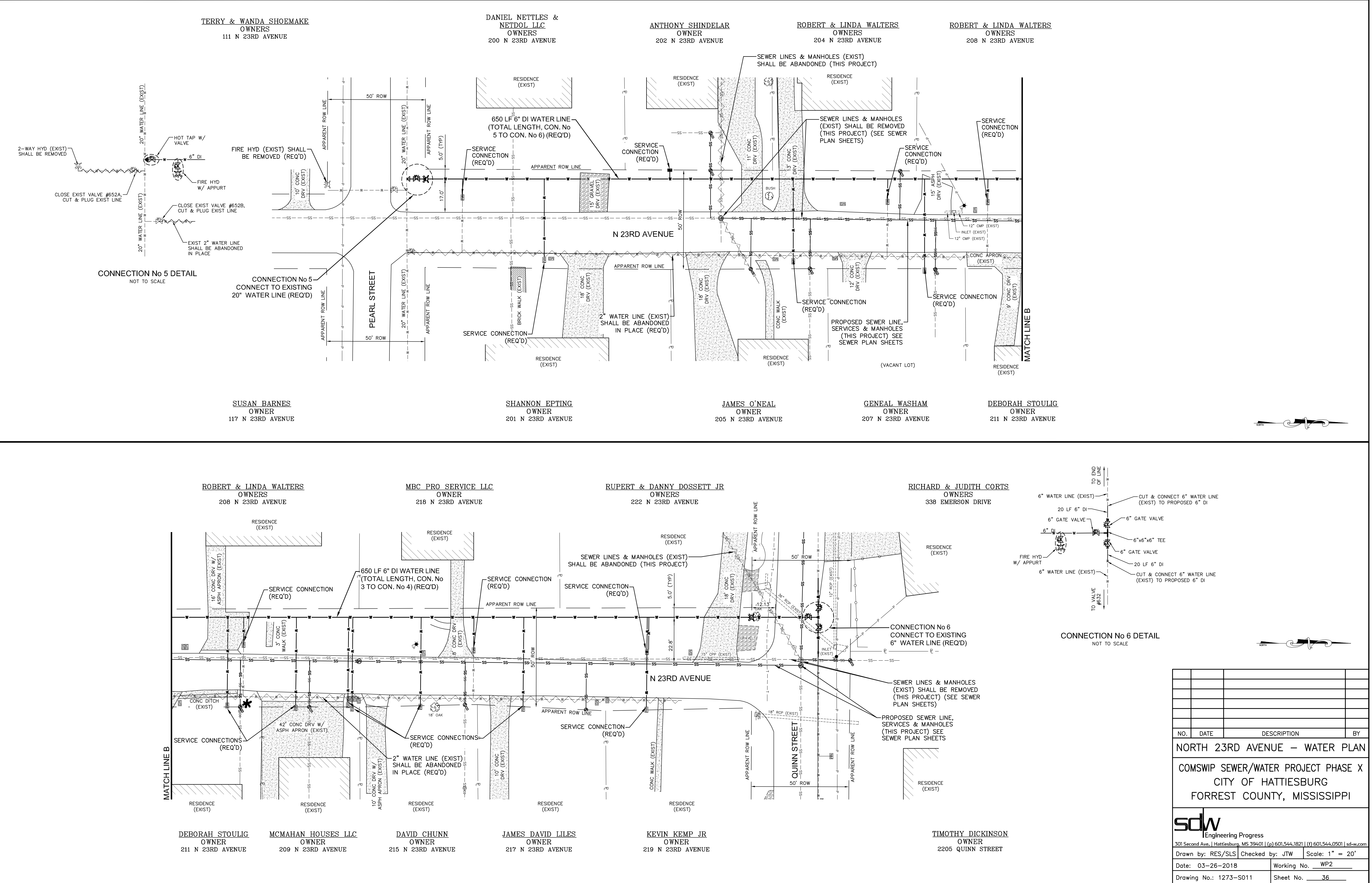
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DRAWING NO.
1273-S011
WORKING No. PnP 27
SHEET NO. 34

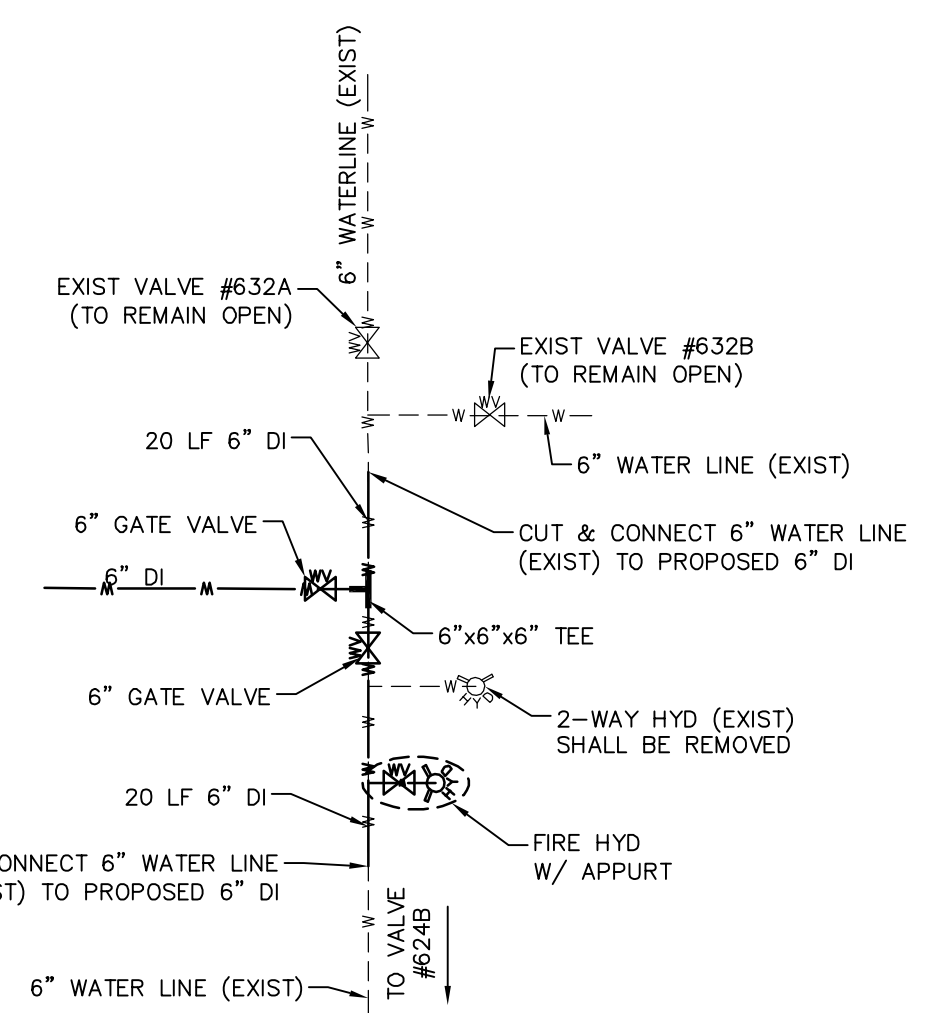
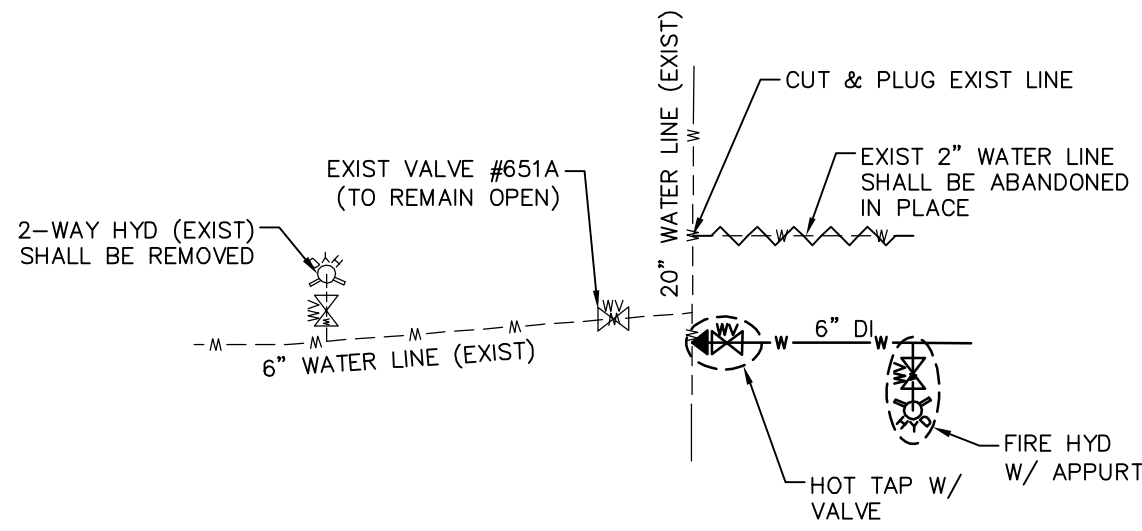
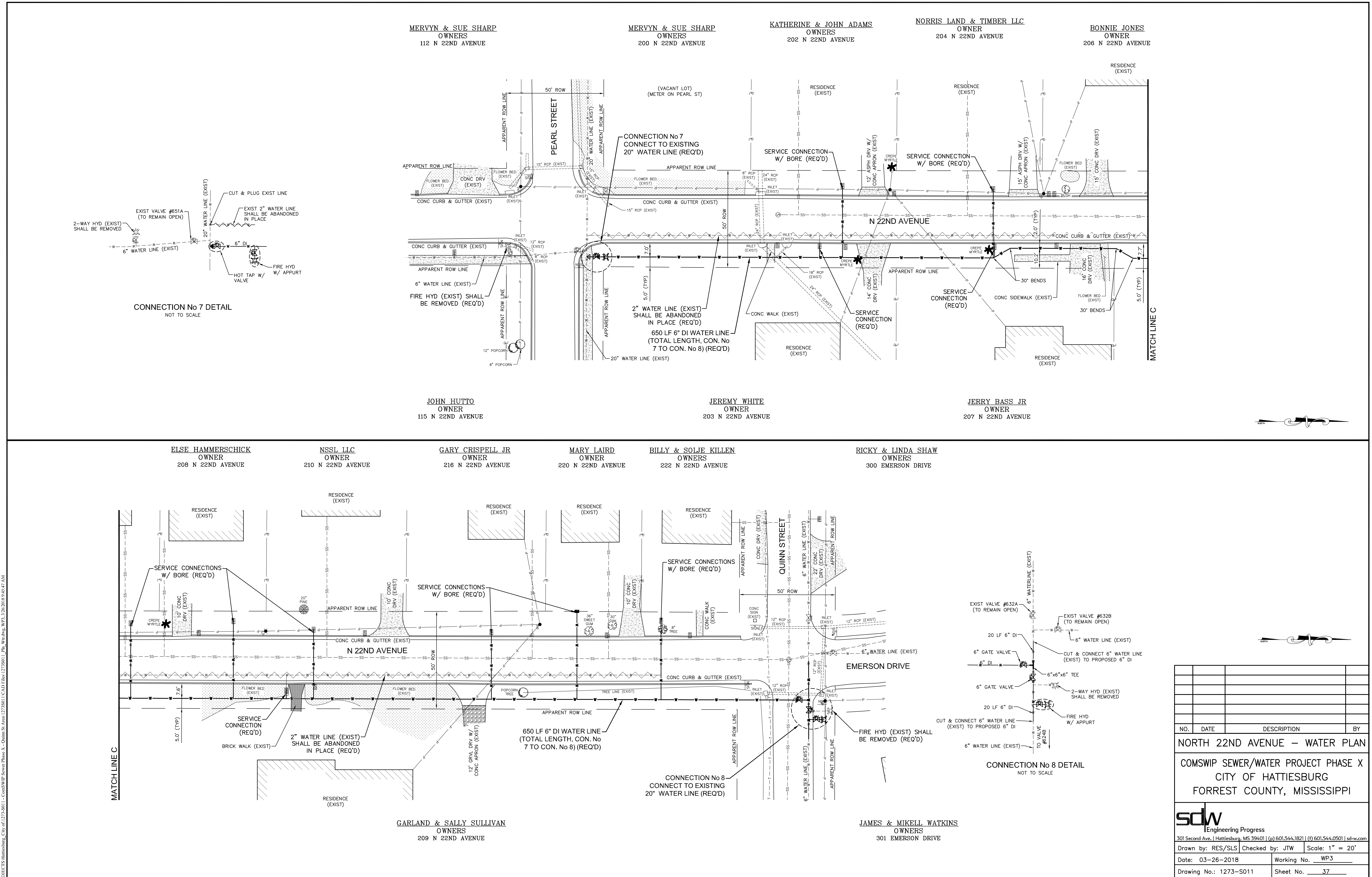


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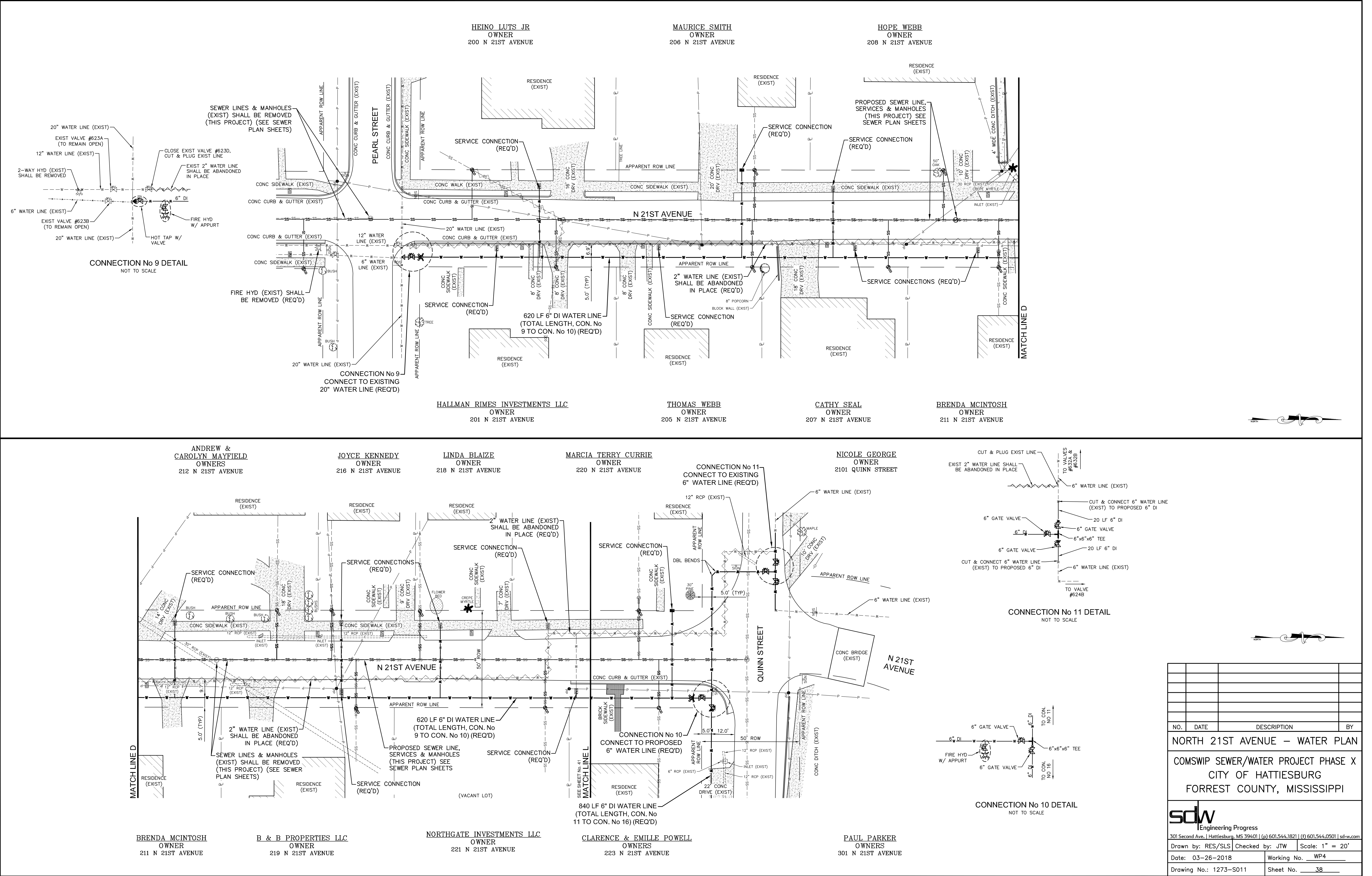
NO.	DATE	DESCRIPTION	BY
NORTH 23RD AVENUE – WATER PLAN			
COMSWIP SEWER/WATER PROJECT PHASE X			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave, Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: RES/SLS		Checked by: JTW	Scale: 1" = 20'
Date: 03-26-2018		Working No. WP2	
Drawing No.: 1273-S011		Sheet No. 36	

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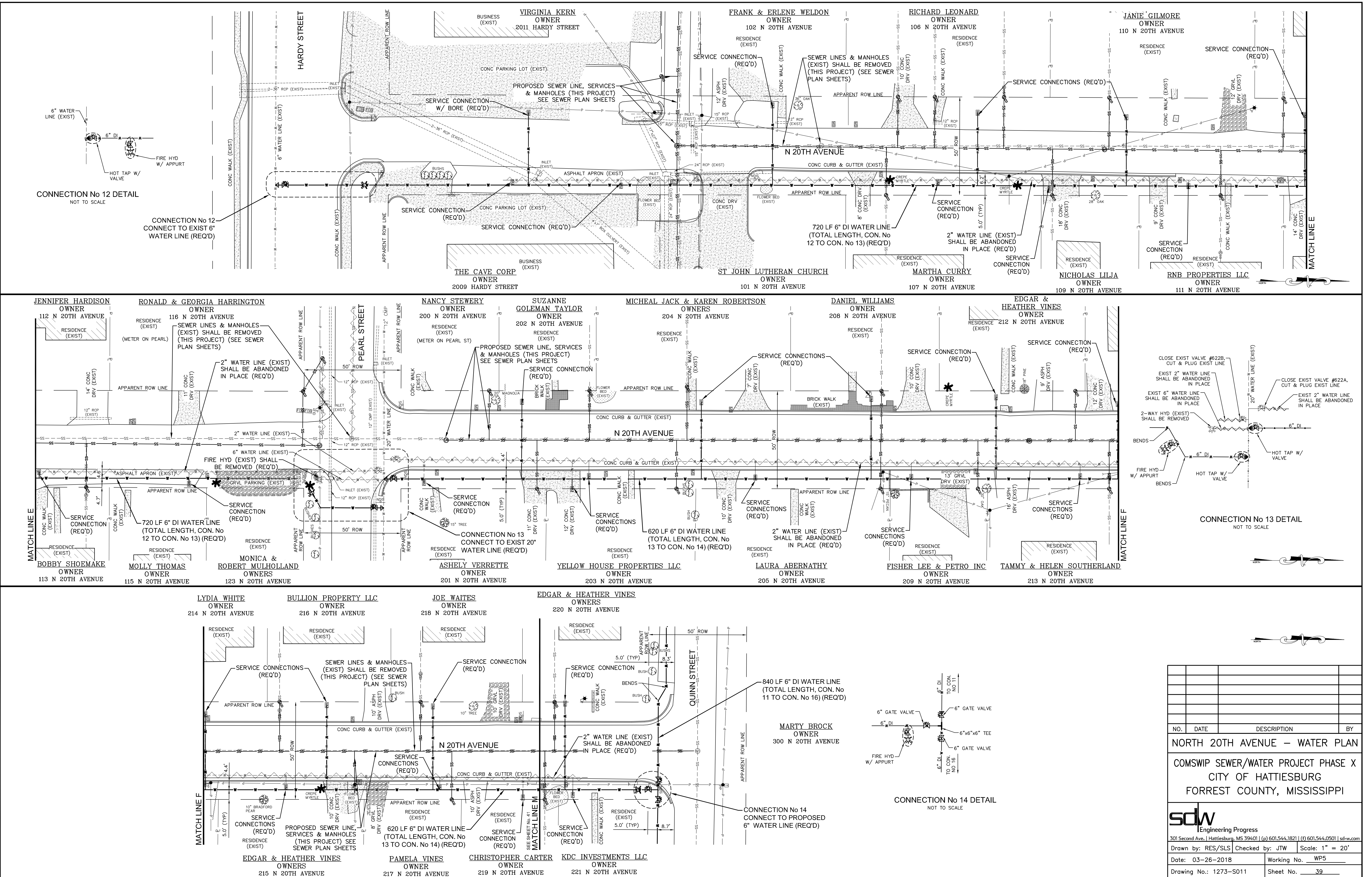
NO.	DATE	DESCRIPTION	BY
NORTH 22ND AVENUE – WATER PLAN			
COMSWIP SEWER/WATER PROJECT PHASE X			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress			
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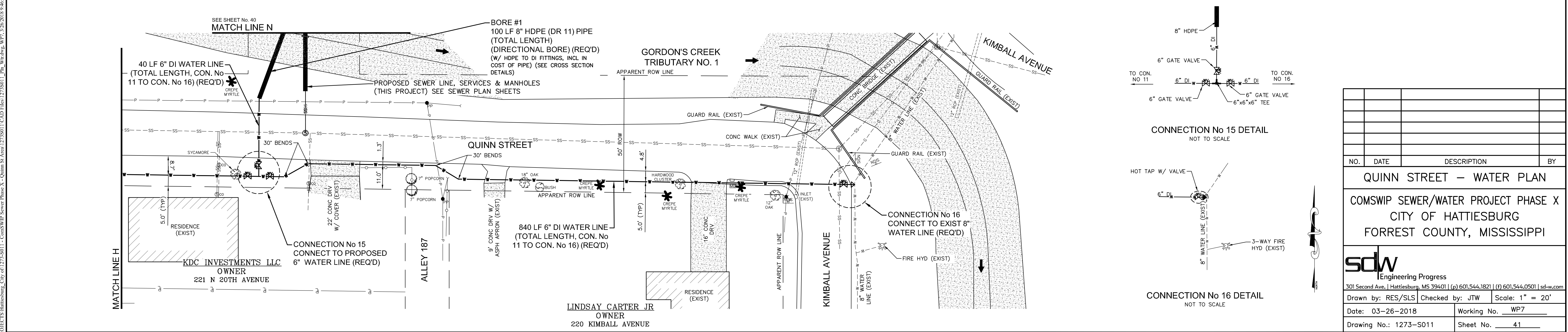
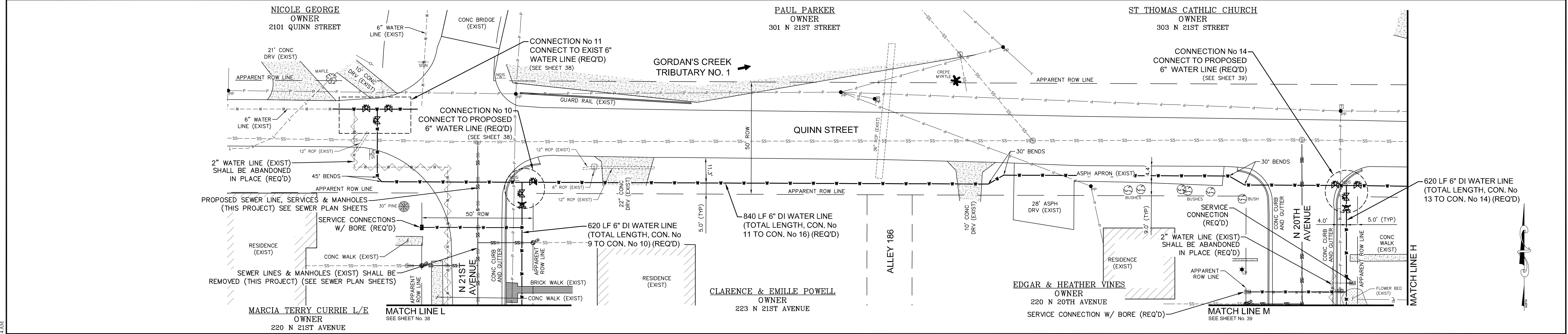
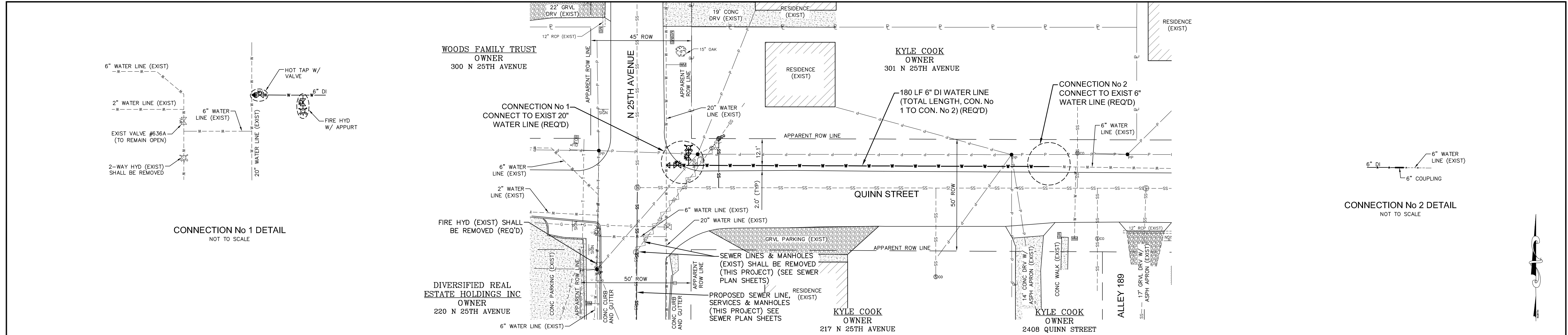
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NORTH 21ST AVENUE – WATER PLAN			
COMSWIP SEWER/WATER PROJECT PHASE X			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
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Drawn by: RES/SLS		Checked by: JTW	Scale: 1" = 20'
Date: 03-26-2018		Working No. WP4	
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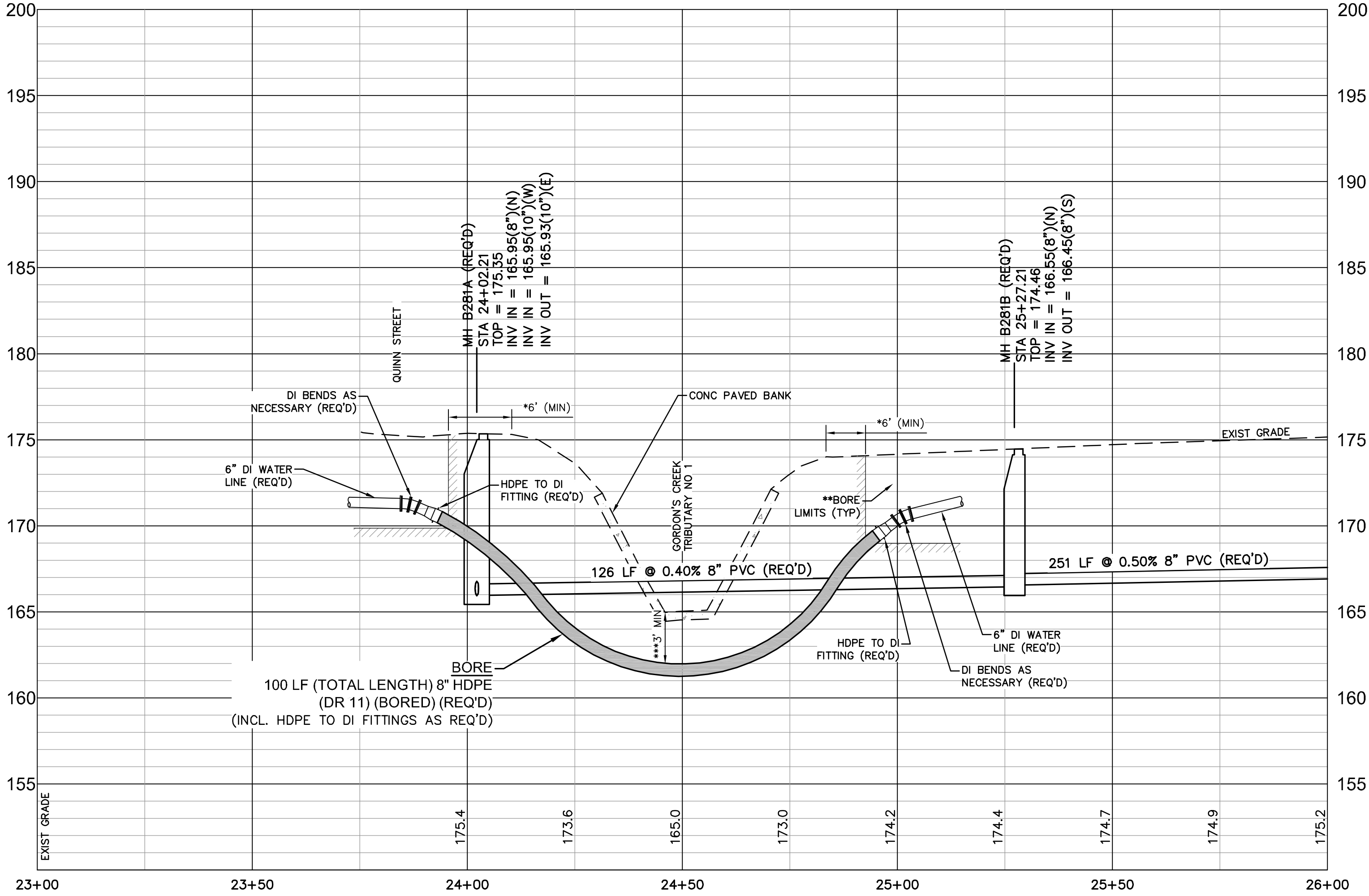


NO.	DATE	DESCRIPTION	BY
NORTH 20TH AVENUE – WATER PLAN			
COMSWIP SEWER/WATER PROJECT PHASE X CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com			
Drawn by: RES/SLS		Checked by: JTW	Scale: 1" = 20'
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NO.	DATE	DESCRIPTION	BY
QUINN STREET - WATER PLAN			
COMSWIP SEWER/WATER PROJECT PHASE X			
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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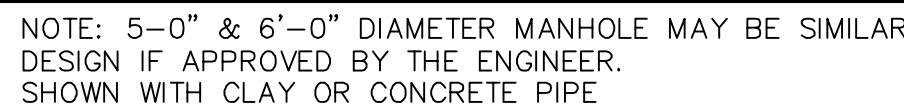


CROSS SECTION - DIRECTIONAL BORE
(ACROSS GORDON'S CREEK TRIBUTARY No. 1 AT N 20TH AVENUE & QUINN STREET)

CROSS SECTION NOTES:

- *BORE SHALL START & END A MINIMUM OF 6' FROM TOP BANK OF CREEK.
- **BORE PIT TRENCH SHALL NOT BE EXCAVATED MORE THAN TWO (2) FEET FROM END OF BORE TOWARD CREEK.
- ***THERE SHALL BE A MINIMUM OF 36 INCHES OF COVER BETWEEN THE FLOWLINE OF THE CREEK AND TOP OF PIPE.
- LOCATION & DEPTH OF EXIST UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY PRIOR TO BORING OPERATIONS.

NO.	DATE	DESCRIPTION	BY
CREEK BORE CROSS SECTION			
COMSWIP SEWER/WATER PROJECT PHASE X			
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\SLS		Checked by: JTW	Scale: 1"=20' H, 1"=5' V
Date: 03-26-2018		Working No. XS1	
Drawing No.: 1273-S011		Sheet No. 42	



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.



NOTE: DROP MANHOLE ASSEMBLY TO BE FORMED AND POURED USING 3,000psi CONC.



* SEE SECTIONAL PLAN, STD. PRECAST MANHOLE

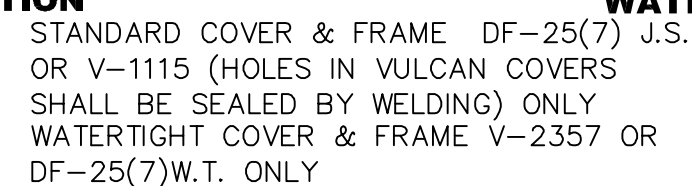


TYPICAL DROP MANHOLE ASSEMBLY

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.



STANDARD MANHOLE COVERS



SEWER INSTALLATION DETAILS

COMSWIP SEWER/WATER PROJECT PHASE X
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

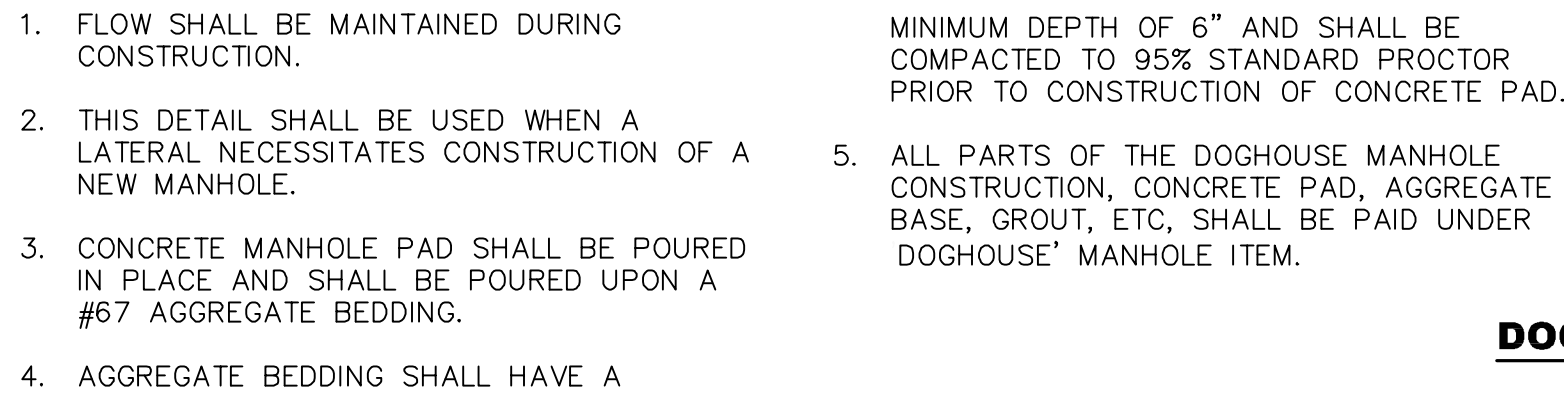


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Drawn by: RES\BT	Checked by: JTW	Scale: NONE
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Date: 03-26-2018	Working No. SSD1
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Drawing No. 1273 S011	Sheet No. 43
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SECTION VIEW



BAR "U" DETAIL



FOR PAVED AREA

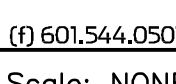


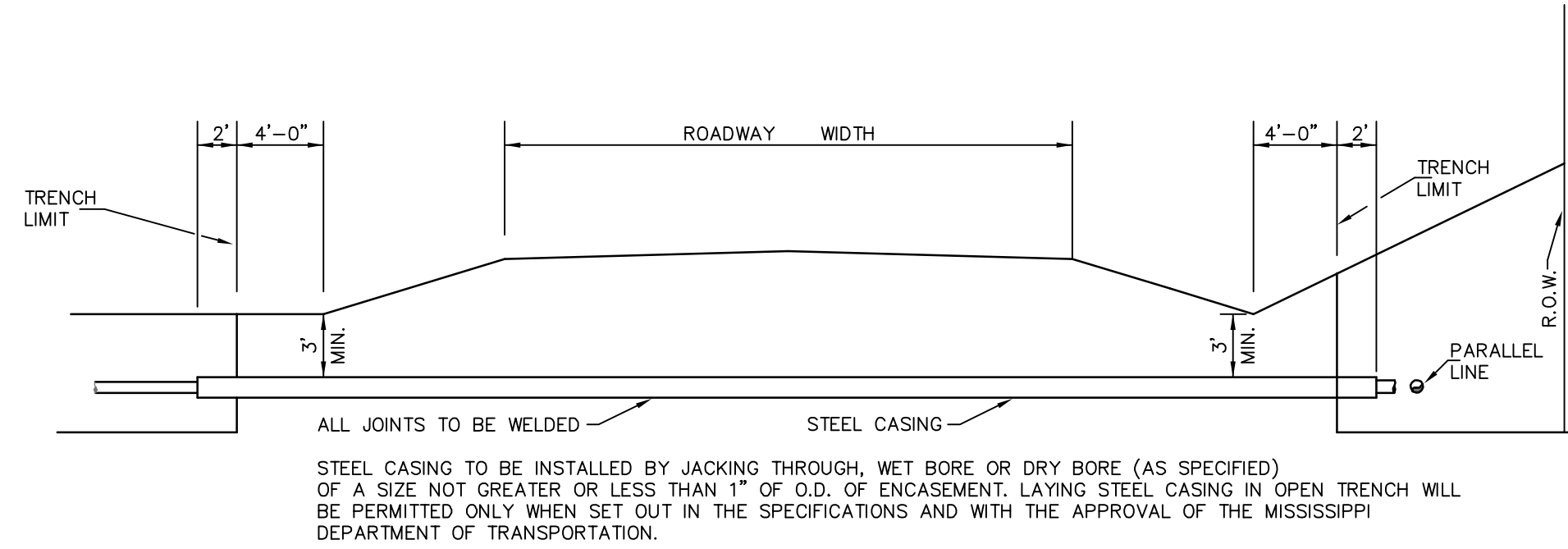
CLEANOUTS SHALL BE PLACED AT ALL BENDS IN SERVICE LINES OVER 22.5' AND ALL CHANGES IN GRADE. CLEANOUTS SHALL BE PLACED AT ROW LINES AS DETAILED.

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Date: 03-26-2018	Working No. <u>SSD2</u>	
Drawing No.: 1273-S011	Sheet No. <u>44</u>	

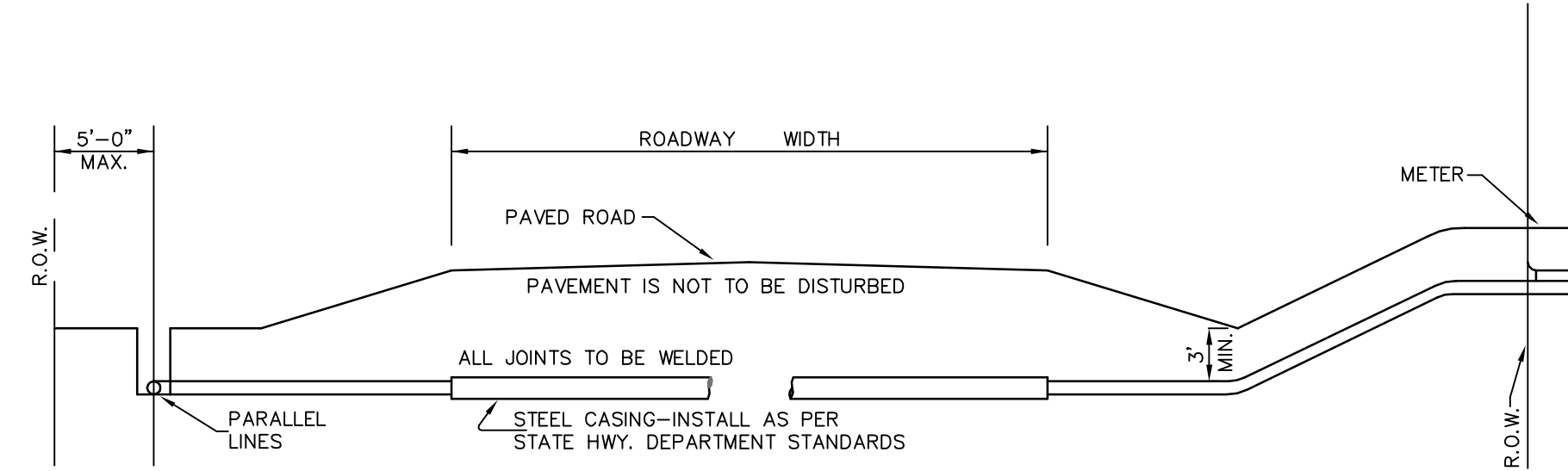


1. POST INDICATOR VALVES SHALL BE REQUIRED AT ALL EXISTING STRUCTURES WHICH ARE BEING CONNECTED TO THE PROPOSED SYSTEM UNDER THIS PROJECT, IF THE EXISTING PIV IS DAMAGED AND/OR INOPERABLE OR IF NO PIV IS IN PLACE AT THE TIME OF CONNECTION.
2. LOCATIONS FOR PROPOSED PIV'S SHALL BE AS DIRECTED BY THE ENGINEER 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.

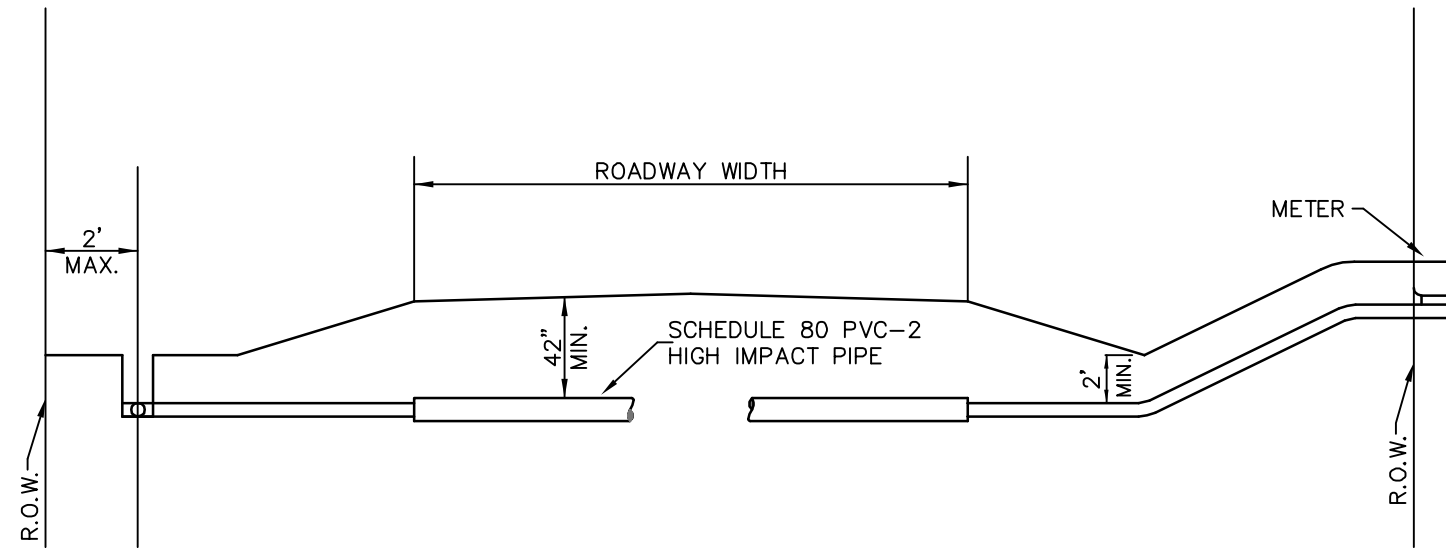
No.	DATE	DESCRIPTION	BY
WATER INSTALLATION DETAILS			
COMSWIP SEWER/WATER PROJECT PHASE X CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
 Engineering Progress			
301 Second Ave., Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sd-w.com			
Drawn by: RES\BT		Checked by: JTW	Scale: NONE
Date: 03-26-2018		Working No. WTRD1	
Drawing No.: 1273-S011		Sheet No. 45	



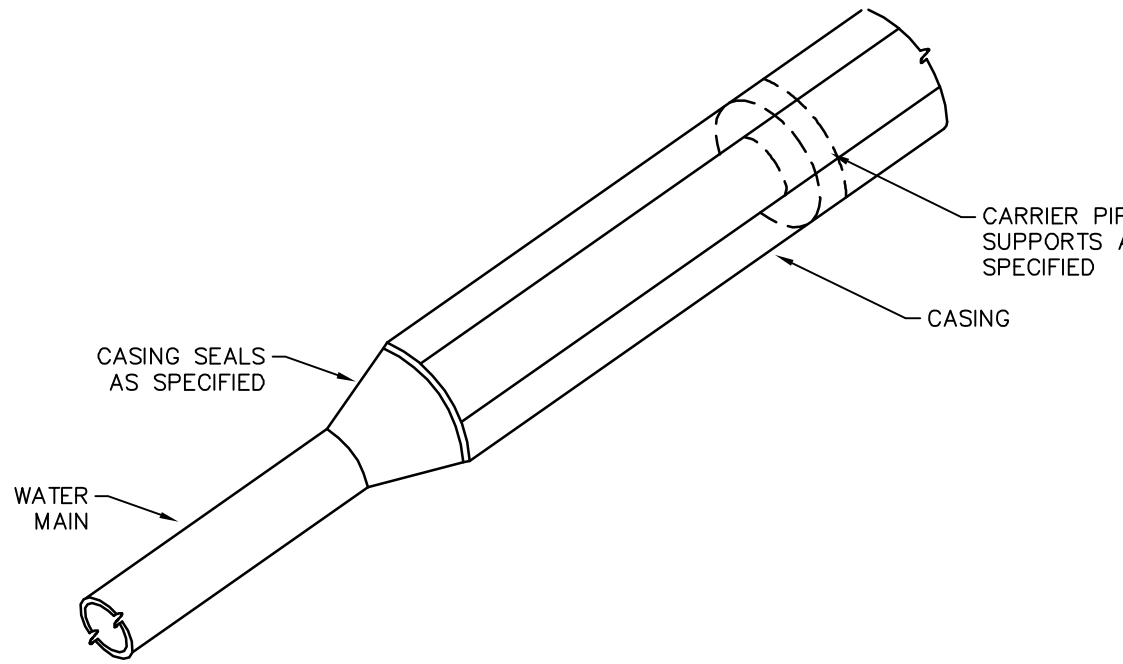
HIGHWAY CROSSING & WATER LINE PARALLELING HWY. IN R.O.W.



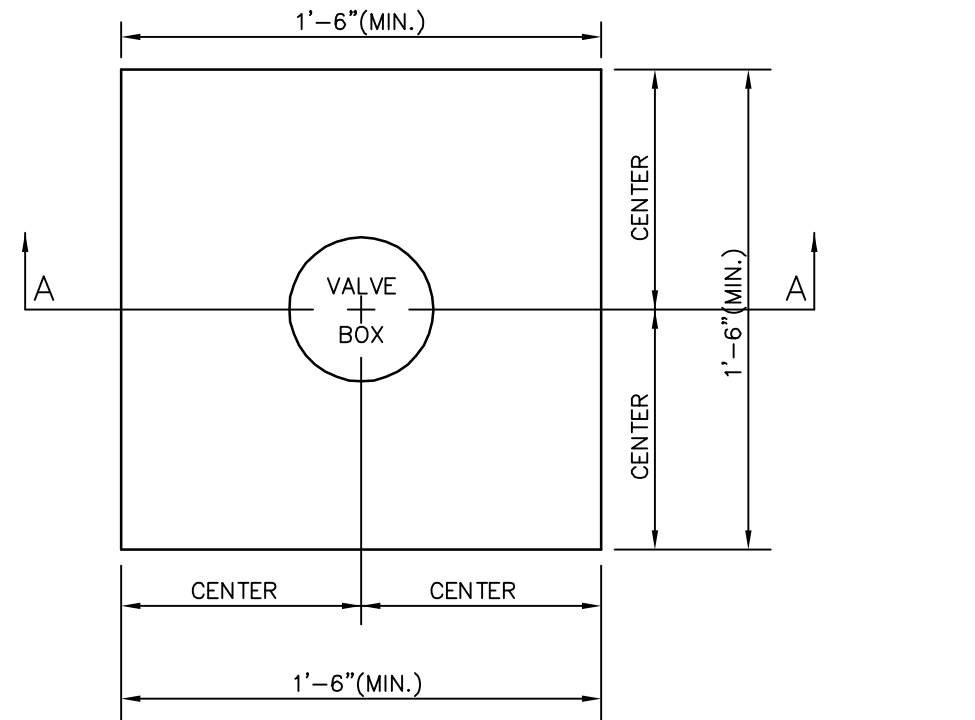
ROAD BORE & WATER LINE PARALLELING ROAD IN R.O.W.



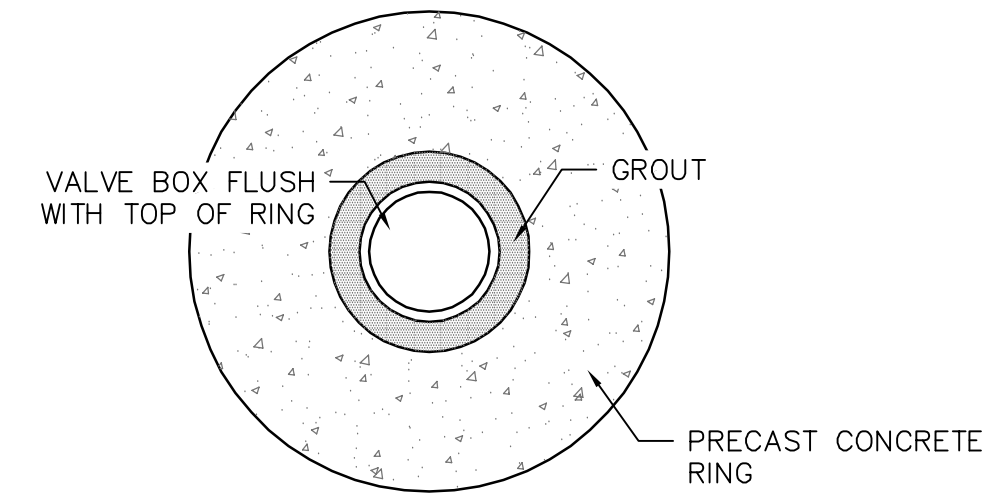
COUNTY GRAVEL ROAD & WATER LINE PARALLELING ROAD IN R.O.W.



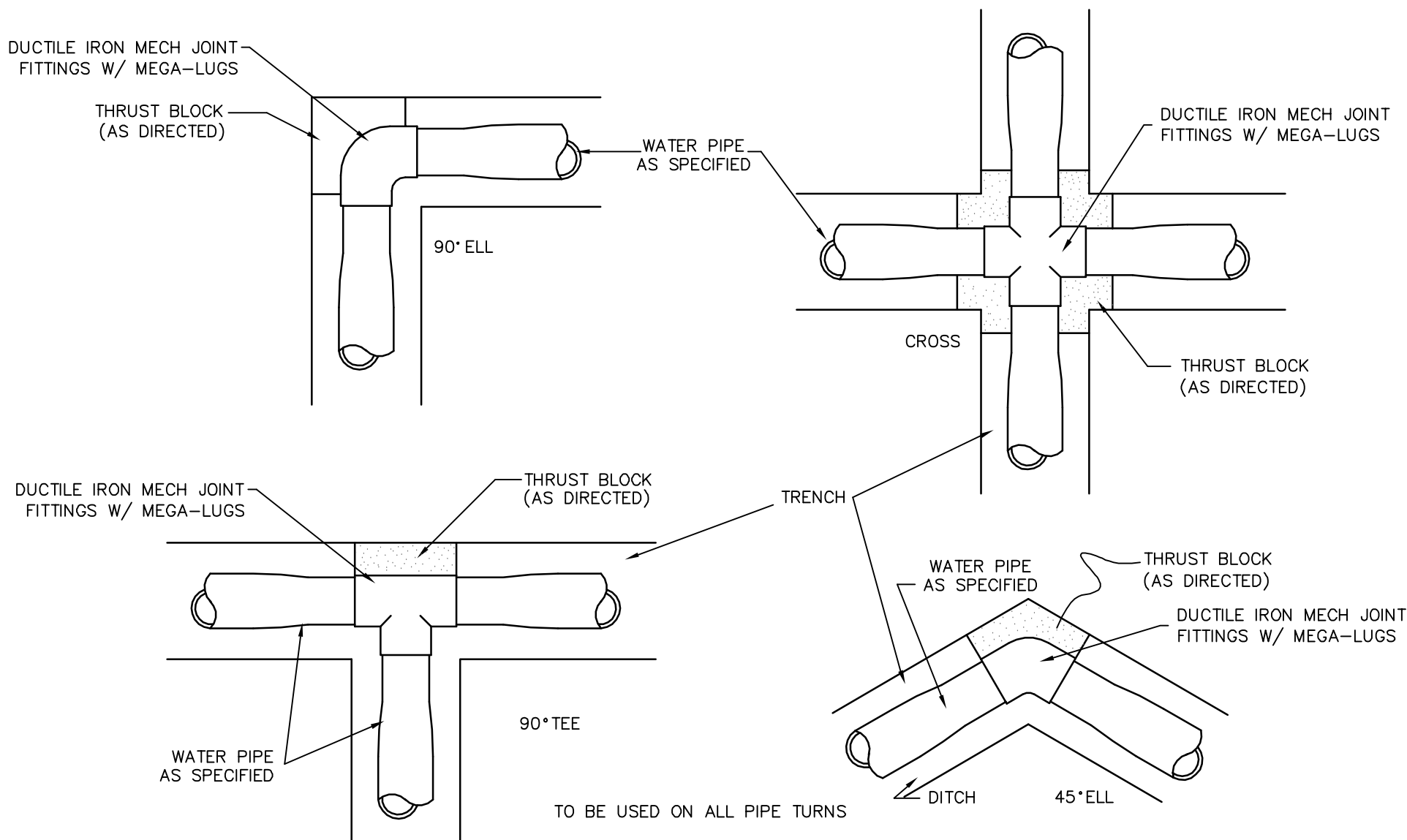
CASING END DETAIL



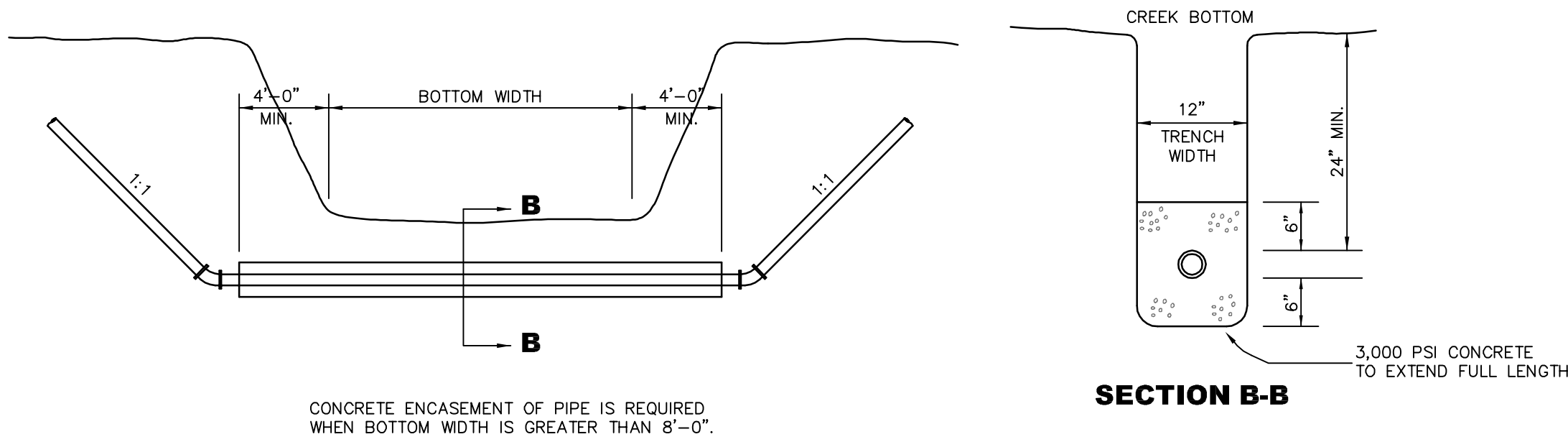
PLAN
SECTION
VALVE LOCATION
(PAVED AREA)



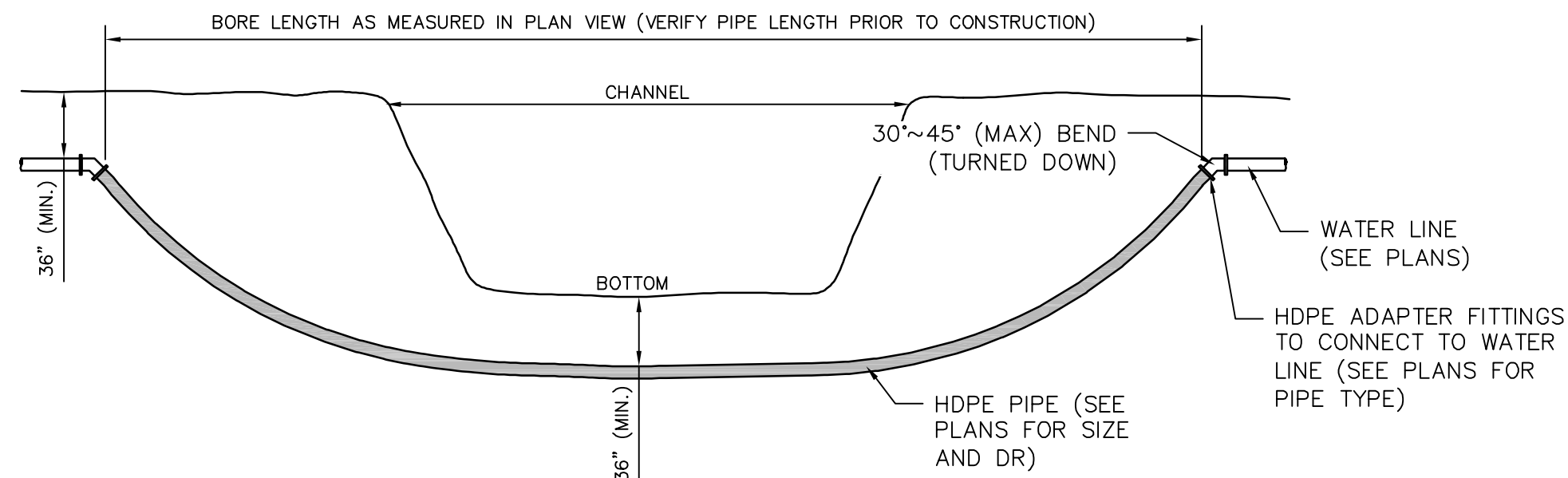
PLAN
SECTION
VALVE LOCATION
(NON PAVED AREA)



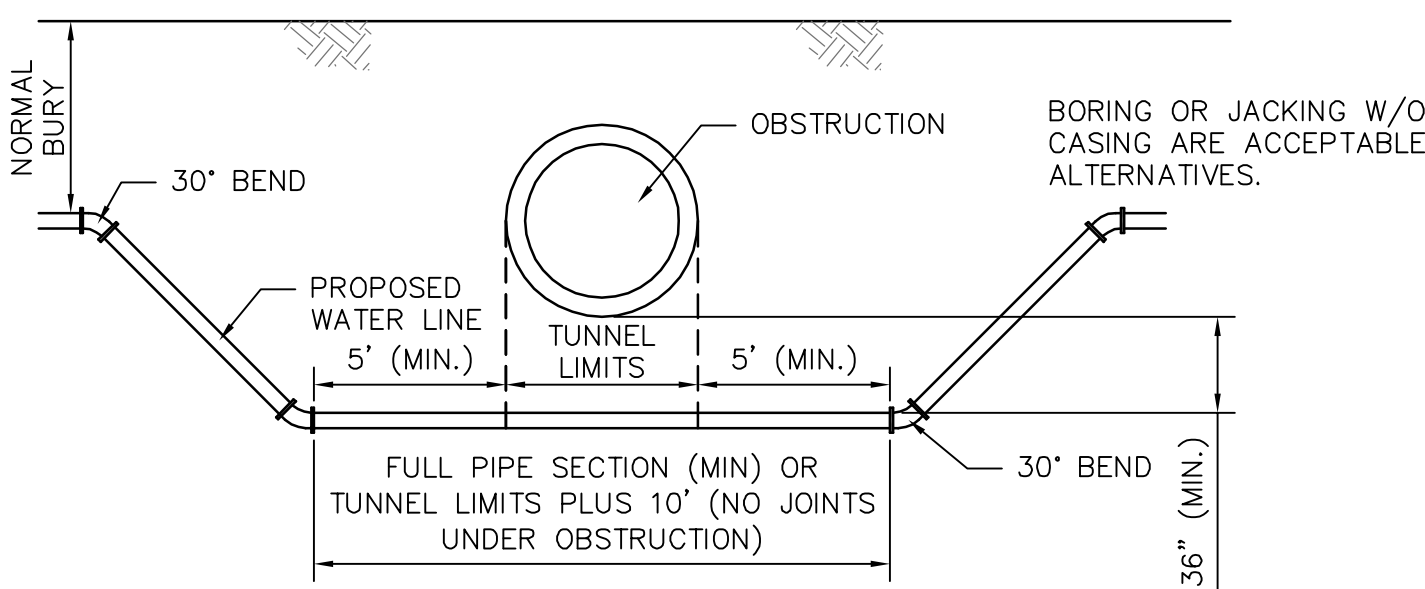
THRUST BLOCK DETAILS



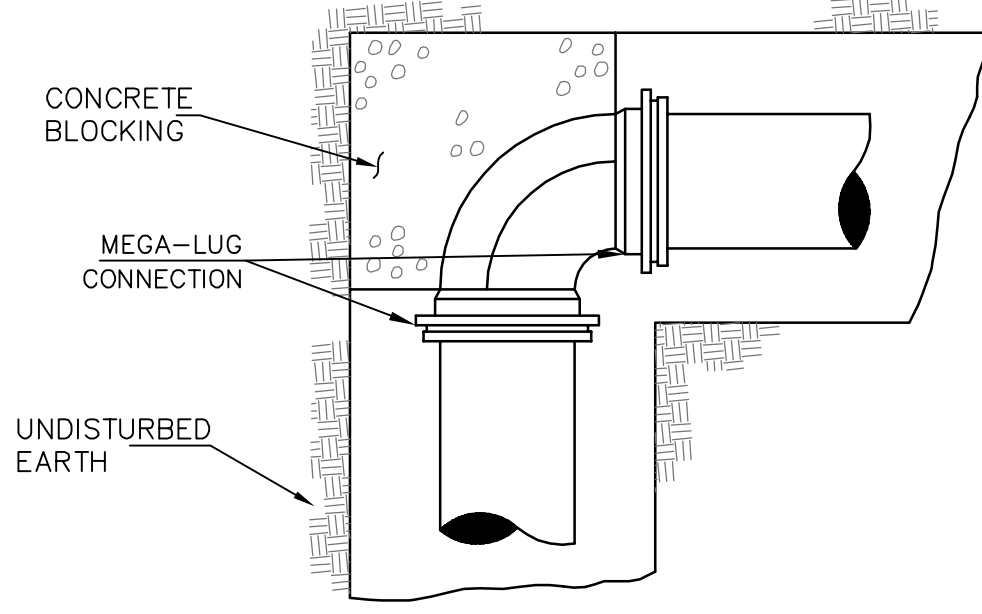
OPEN CUT CHANNEL CROSSING DETAIL



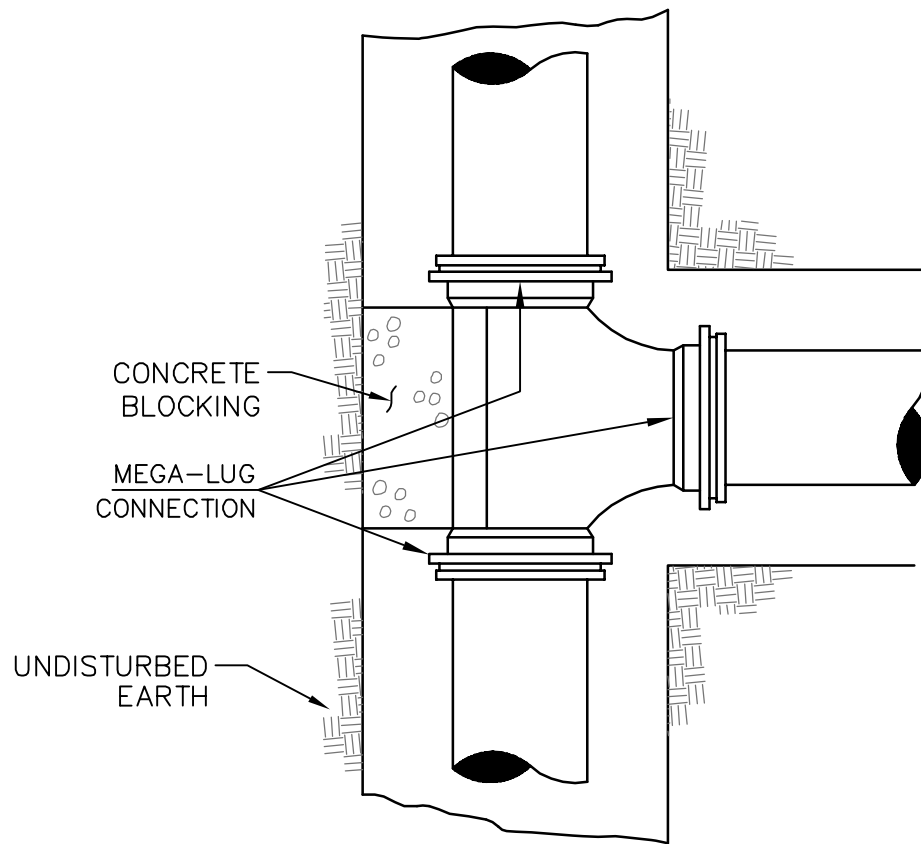
DIRECTIONAL BORED CHANNEL CROSSING DETAIL



OBSTRUCTION CROSSING DETAIL

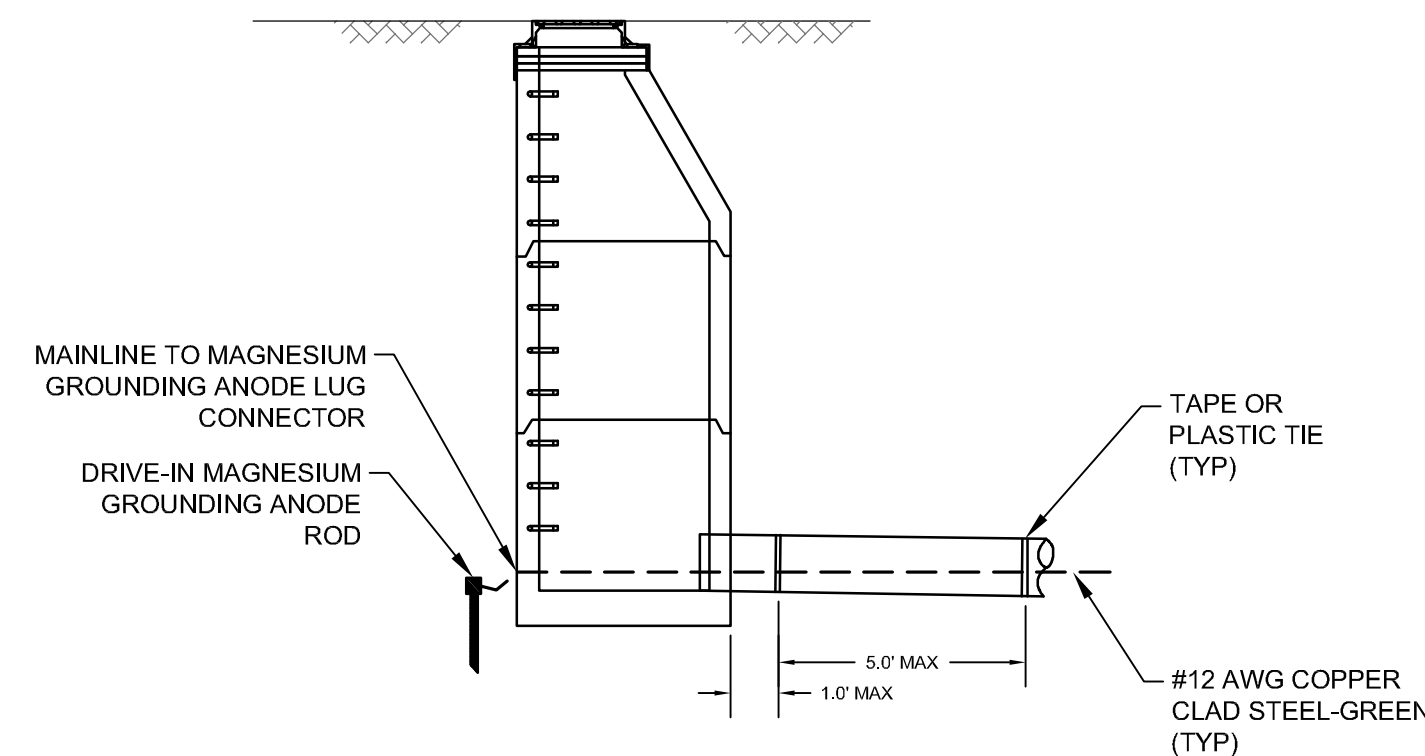
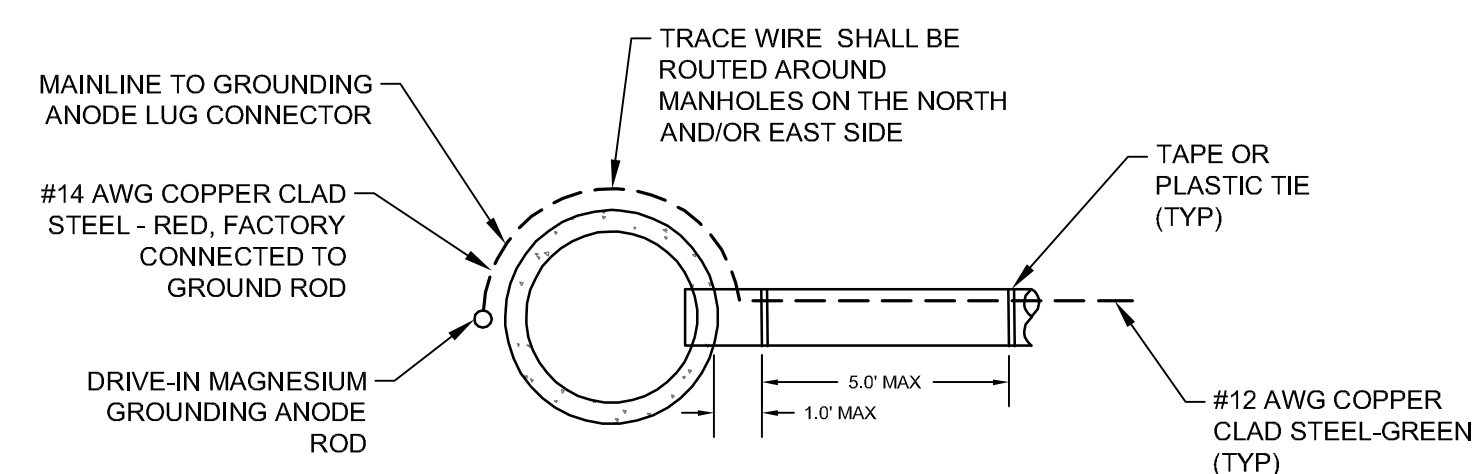
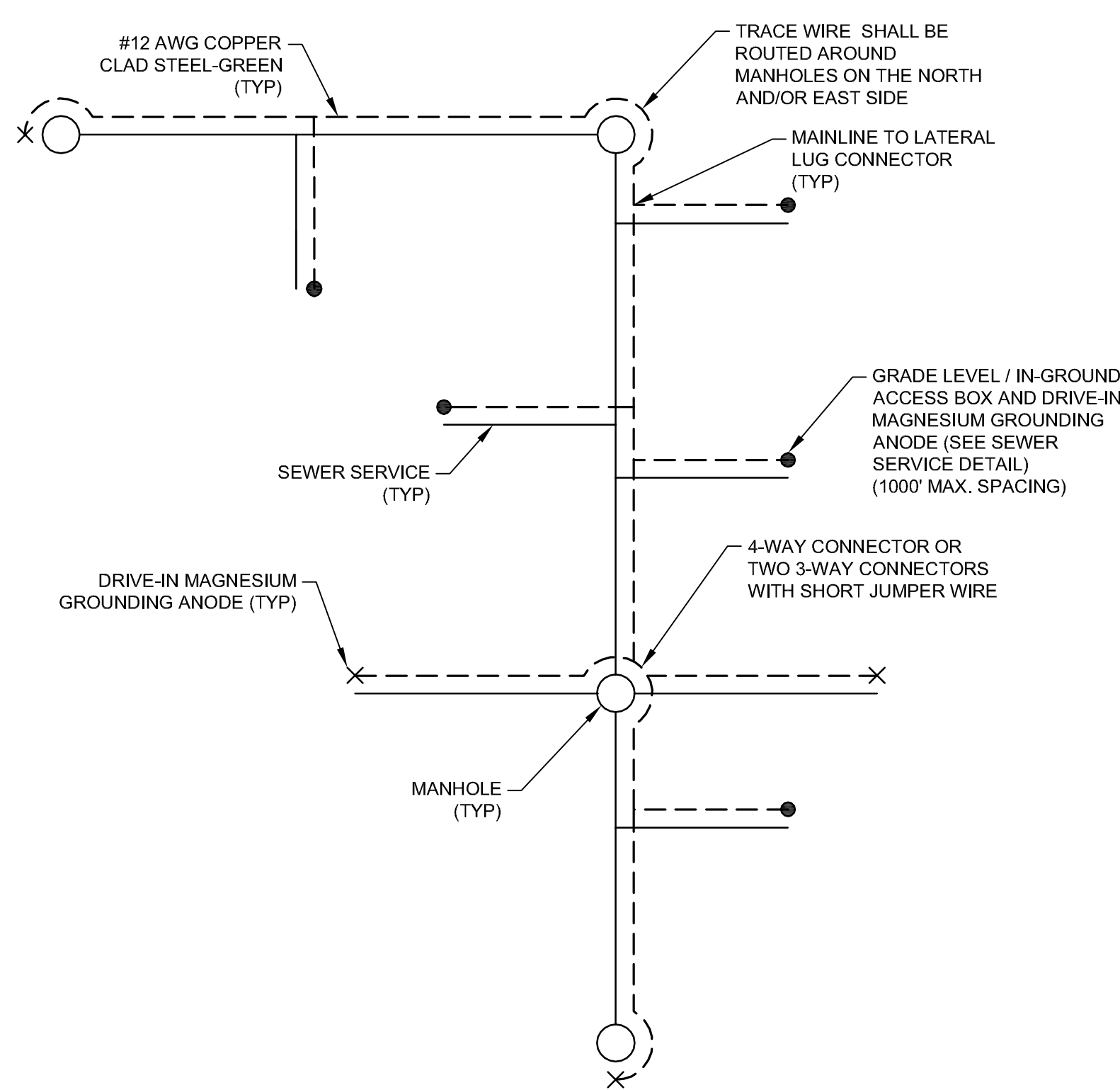
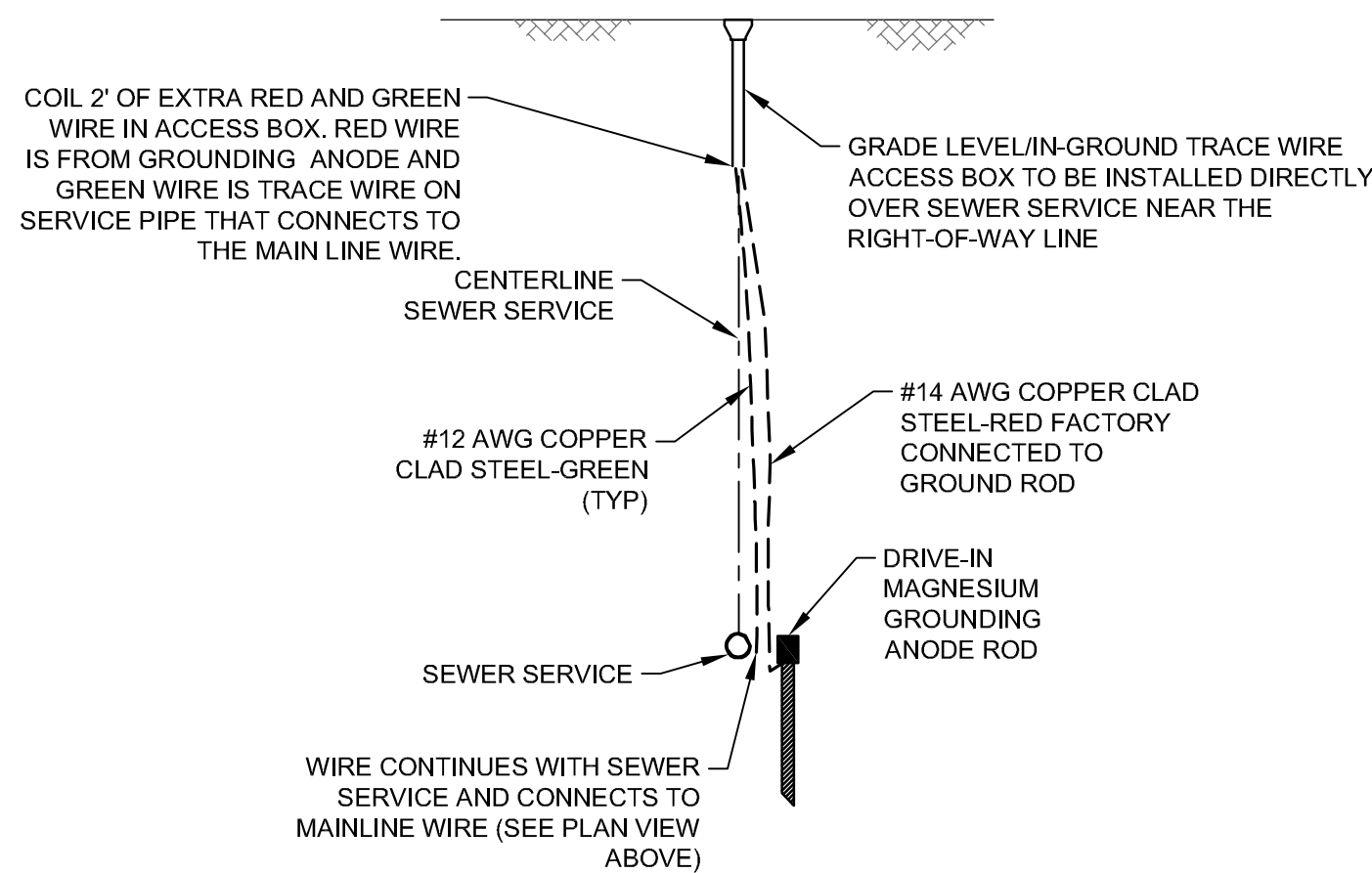
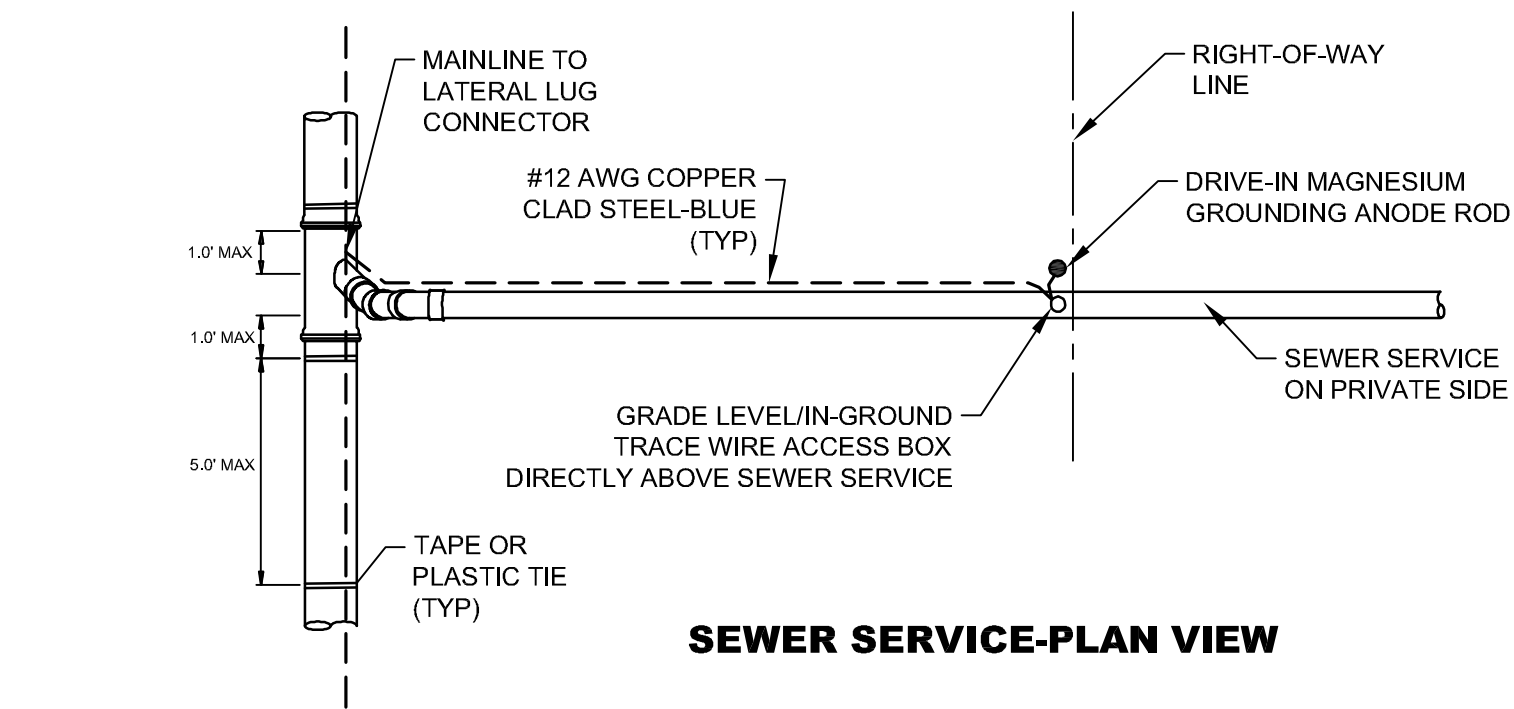
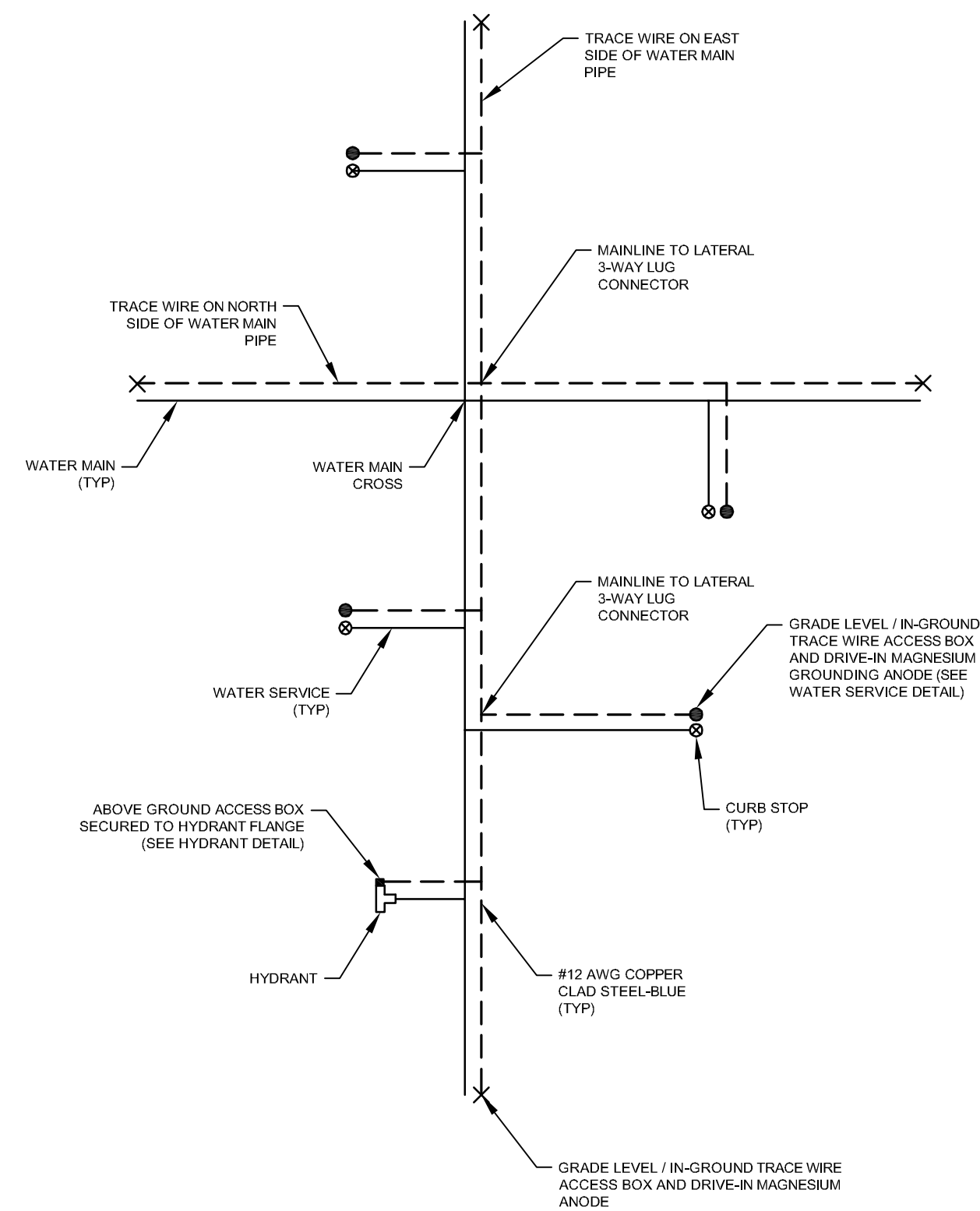
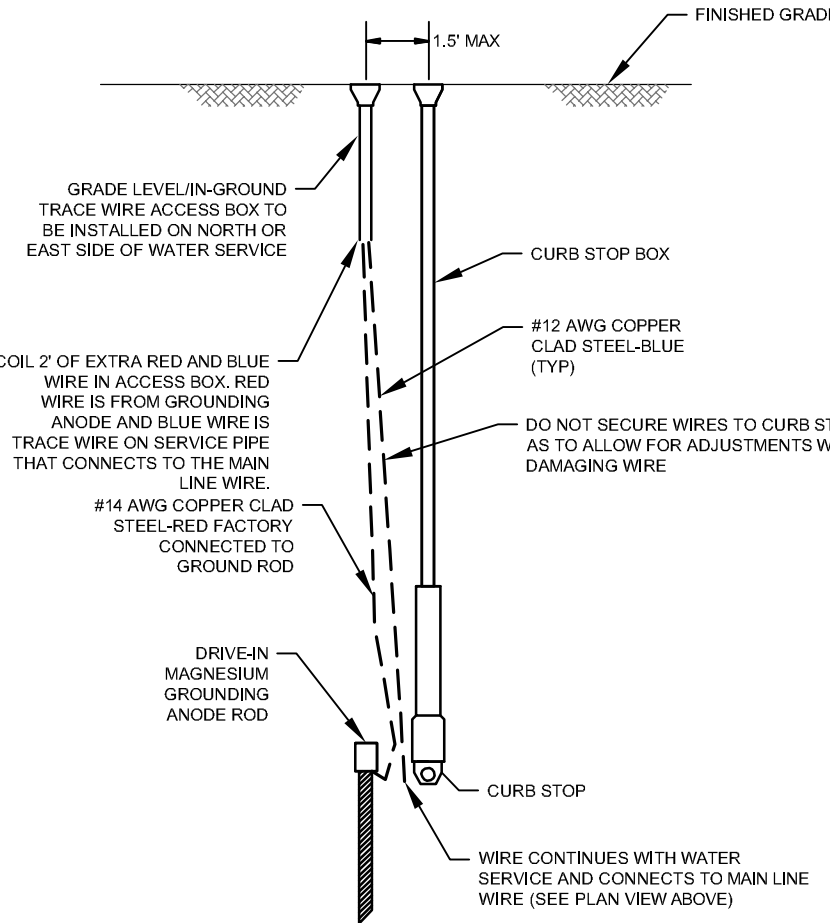
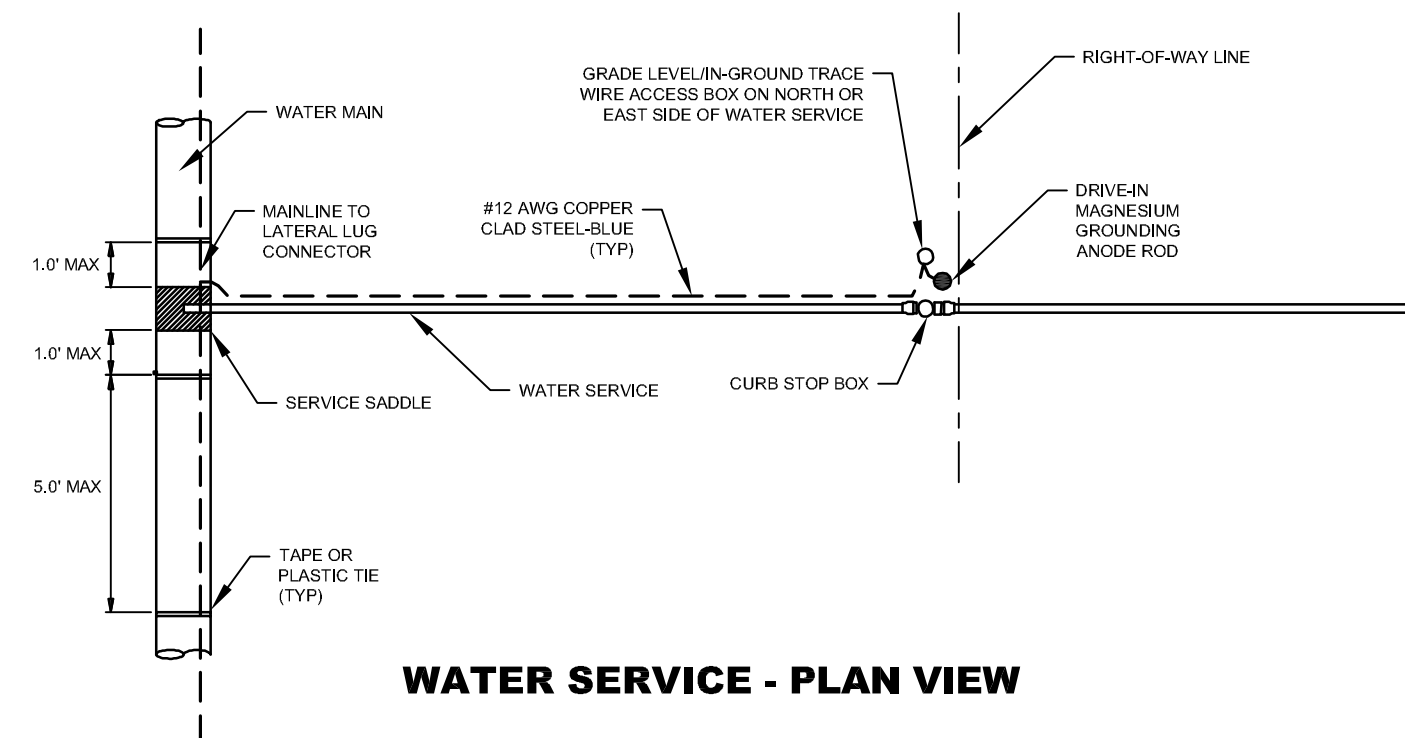
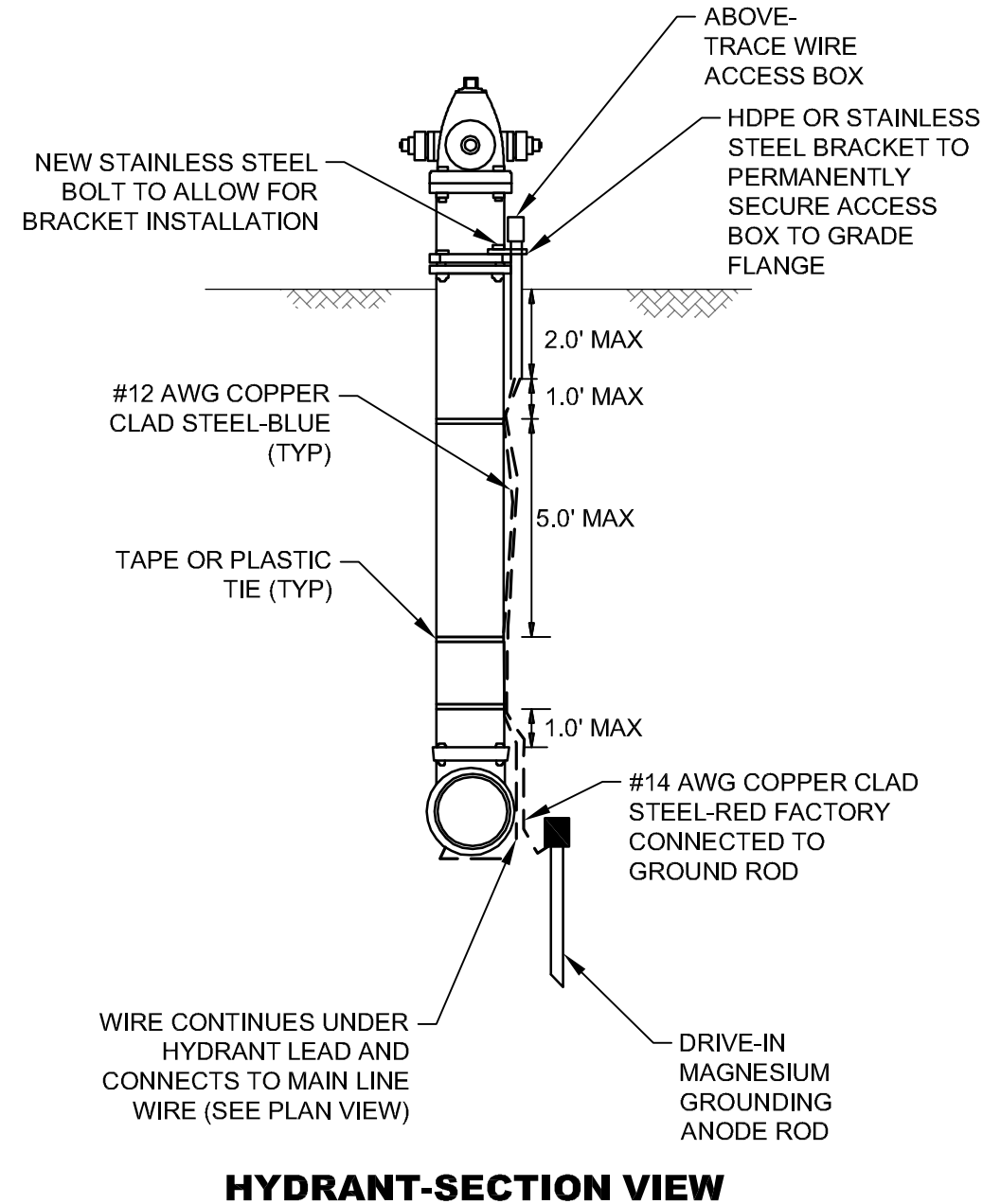
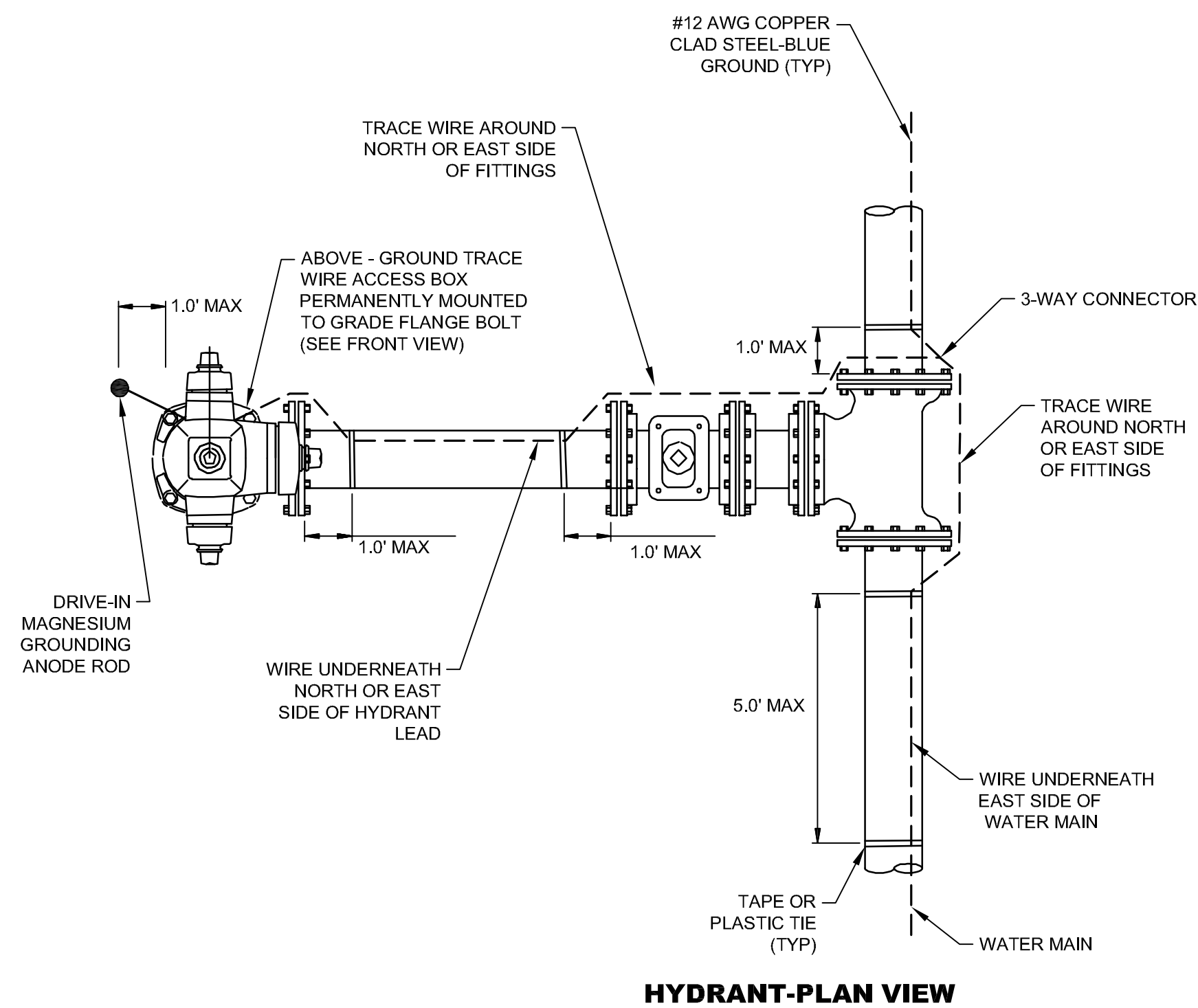


PLAN

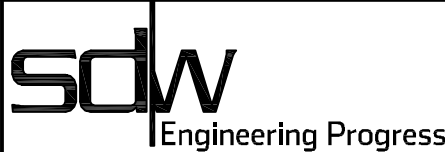


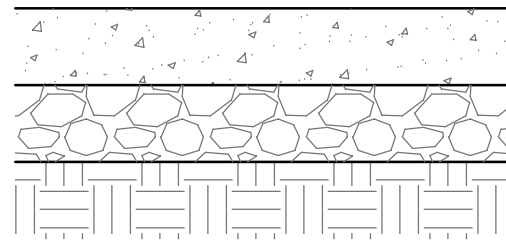
PLAN

NO.	DATE	DESCRIPTION	BY
WATER INSTALLATION DETAILS			
COMSWIP SEWER/WATER PROJECT PHASE X			
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:	RES\BT	Checked by:	JTW
Date:	03-26-2018	Working No.:	WTRD2
Drawing No.:	1273-S011	Sheet No.:	46



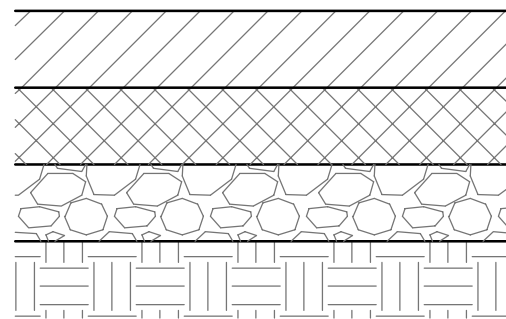
NOTE:
WIRE SHOWN AWAY FROM PIPE FOR CLARITY. WIRE SHALL BE INSTALLED ON THE BOTTOM SIDE OF THE PIPE BELOW THE SPRING LINE. THE WIRE SHALL BE FASTENED TO THE PIPE WITH TAPE OR PLASTIC TIES AT 5' INTERVALS.

NO.	DATE	DESCRIPTION	BY
TRACER WIRE DETAILS			
COMSWIP SEWER/WATER PROJECT PHASE X			
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: 03-26-2018		Working No. <u>TWD1</u>	
Drawing No.: 1273-S011		Sheet No. <u>47</u>	



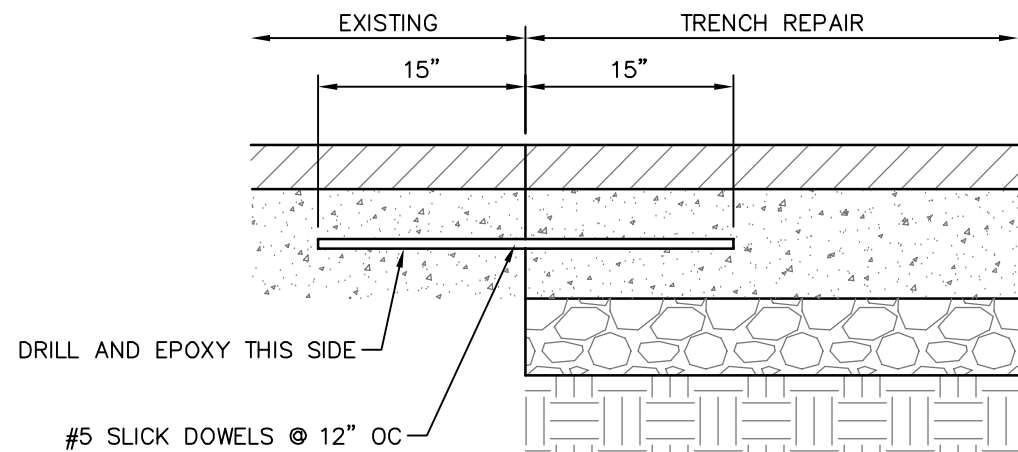
- TEMPORARY: 6" CRUSHED AGGREGATE (SIZE 610) (REMOVE PRIOR TO PAVING)
- PERMANENT: 6" 3000 PSI CONCRETE W/ FIBER GLASS REINFORCEMENT
- 6" CRUSHED AGGREGATE (SIZE 610) COMPACTED TO 95%
- EXISTING SUBGRADE AND/OR FILL MATERIAL COMPACTED TO 95%

TYPICAL CONCRETE PAVEMENT REPAIR



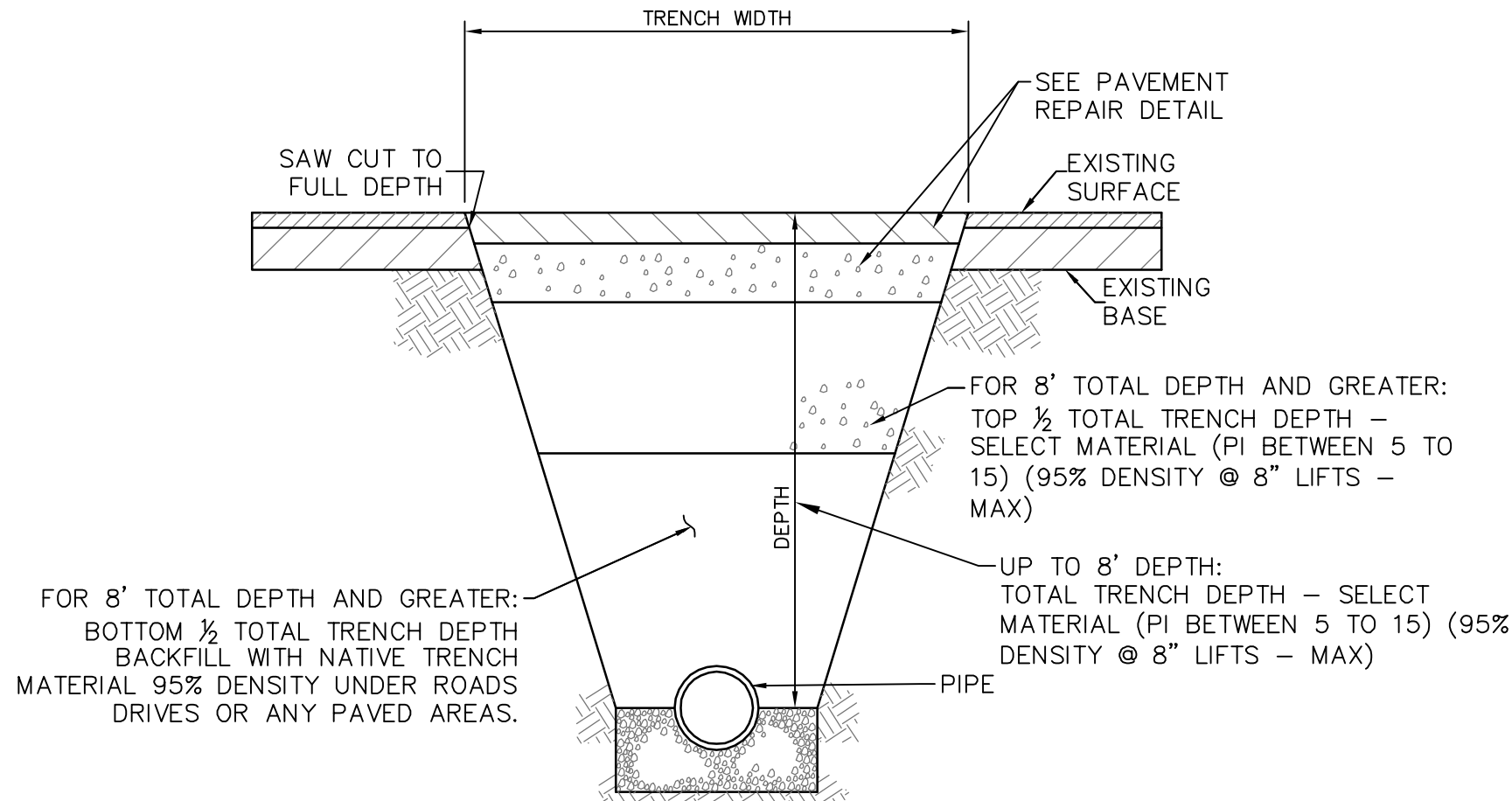
- PERMANENT: 1 1/2" HOT MIX ASPHALT, 9.5 mm, ST OVERLAY
- TEMPORARY: 2" CRUSHED AGGREGATE (SIZE 610) (REMOVED PRIOR TO PAVING)
- PERMANENT: 2" HOT MIX ASPHALT, 19 mm, ST
- 6" CRUSHED AGGREGATE (SIZE 610) COMPACTED TO 95%
- EXISTING SUBGRADE AND/OR FILL MATERIAL COMPACTED TO 95%

TYPICAL ASPHALT PAVEMENT REPAIR



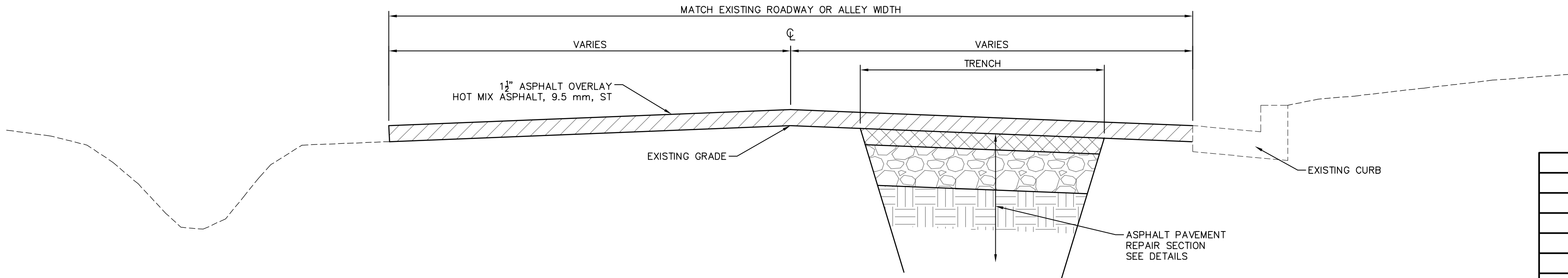
- 1 1/2" HOT MIX ASPHALT, 9.5 mm, ST
- 8" 3000 PSI CONCRETE W/ FIBER GLASS REINFORCEMENT
- 6" CRUSHED AGGREGATE (SIZE 610) COMPACTED TO 95%
- EXISTING SUBGRADE AND/OR FILL MATERIAL COMPACTED TO 95%

TYPICAL HARDY STREET PAVEMENT REPAIR



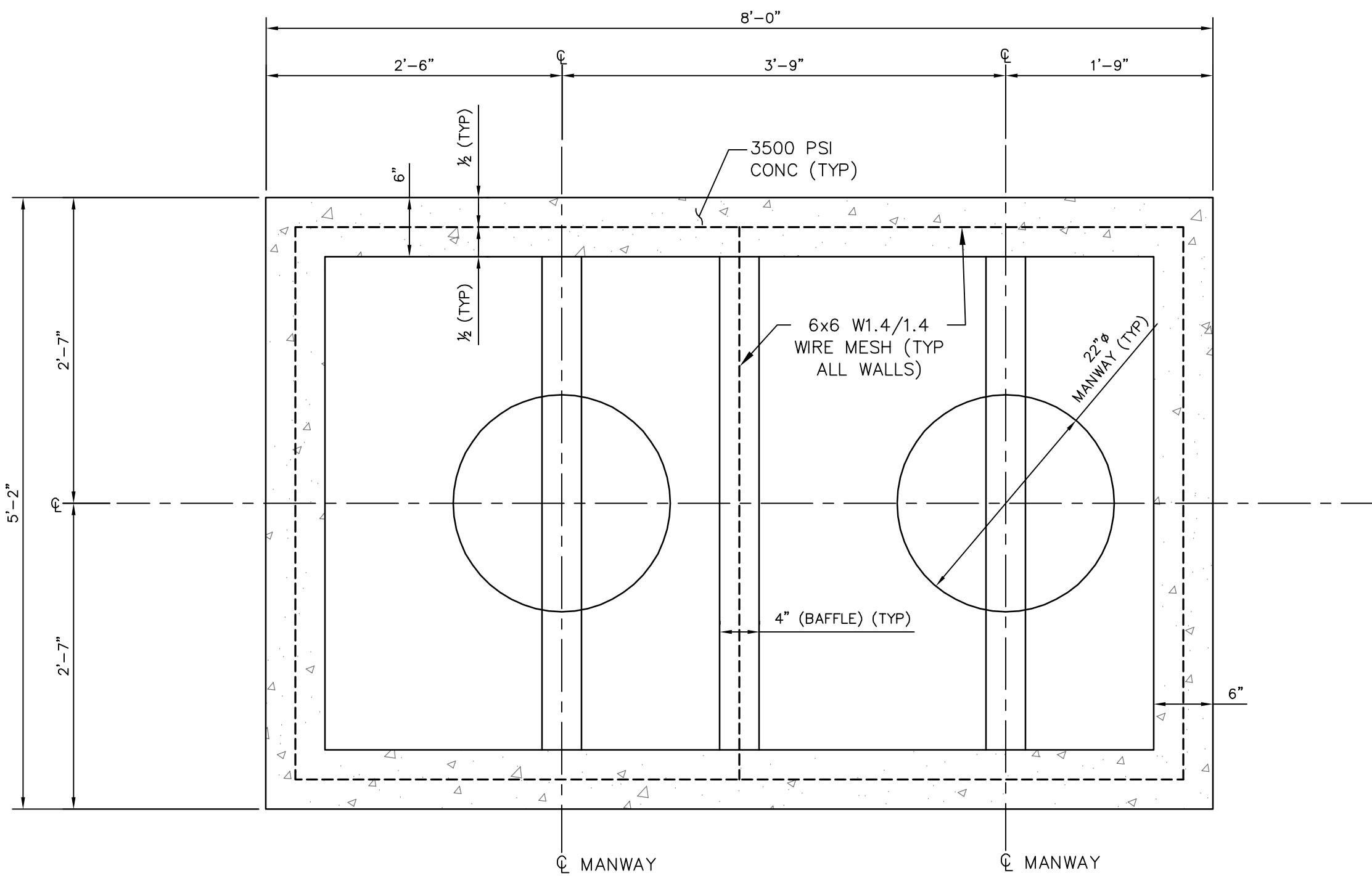
TYPICAL TRENCH IN ROADWAY DETAIL

NOTE: TRENCH WIDTHS SHALL BE MINIMIZED BY THE CONTRACTOR TO ONLY THE WIDTH NECESSARY FOR CONSTRUCTION AS DETERMINED BY THE ENGINEER.

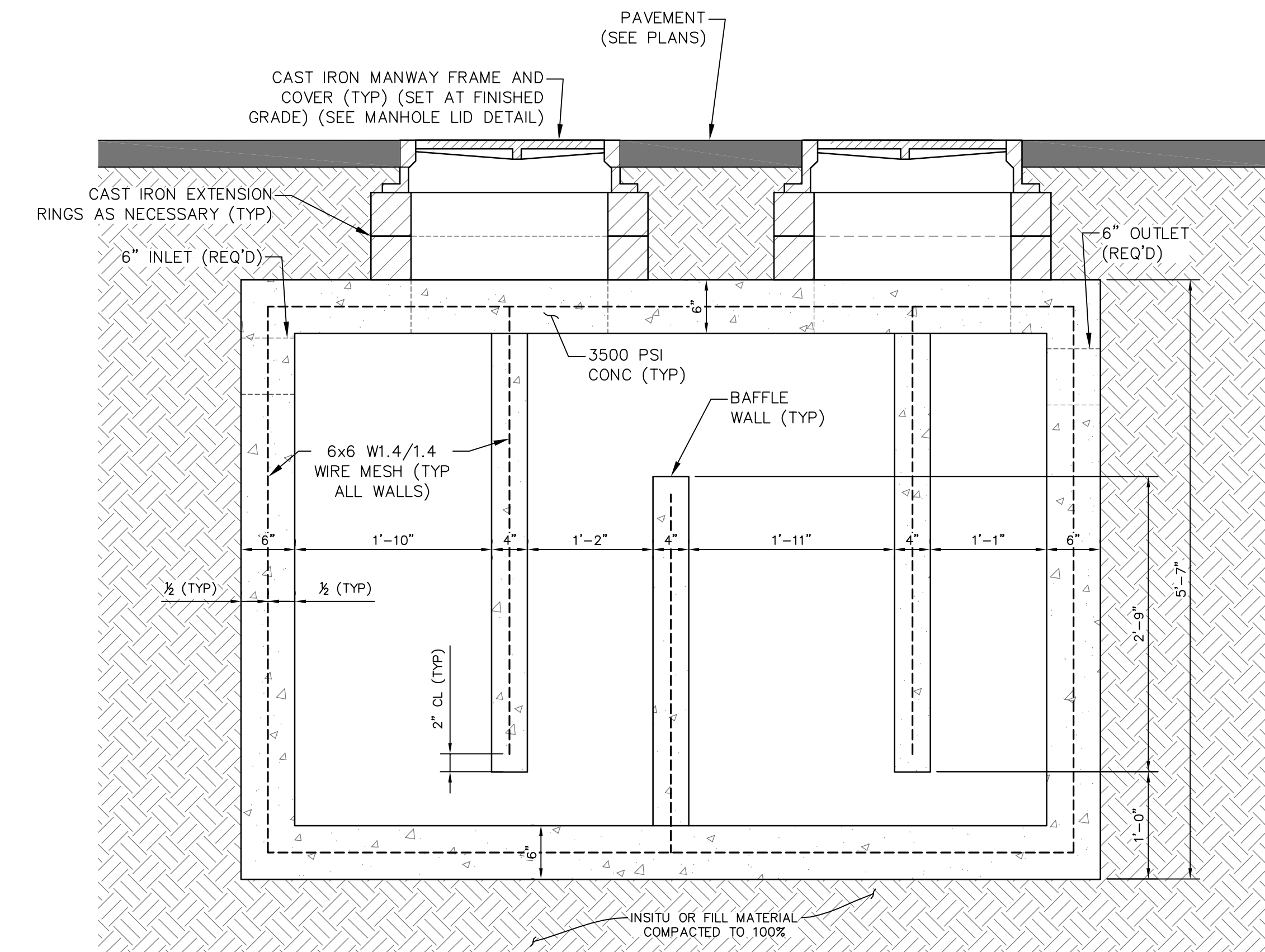


TYPICAL ROADWAY REPAIR SECTION

NO.	DATE	DESCRIPTION	BY
PAVEMENT REPAIR DETAILS			
COMSWIP SEWER/WATER PROJECT PHASE X			
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: SLS		Checked by: JTW	Scale: NONE
Date: 03-26-2018		Working No. <u>PRD1</u>	
Drawing No.: 1273-S011		Sheet No. <u>48</u>	



PLAN VIEW



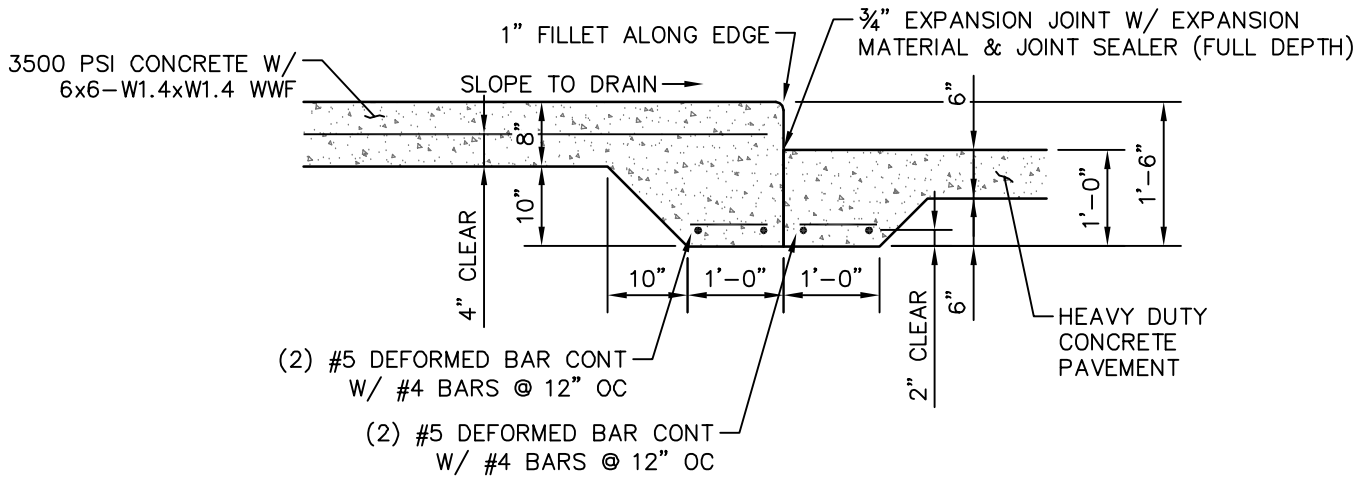
SECTION VIEW

GREASE TRAP DETAIL

SCALE: 1" = 1'

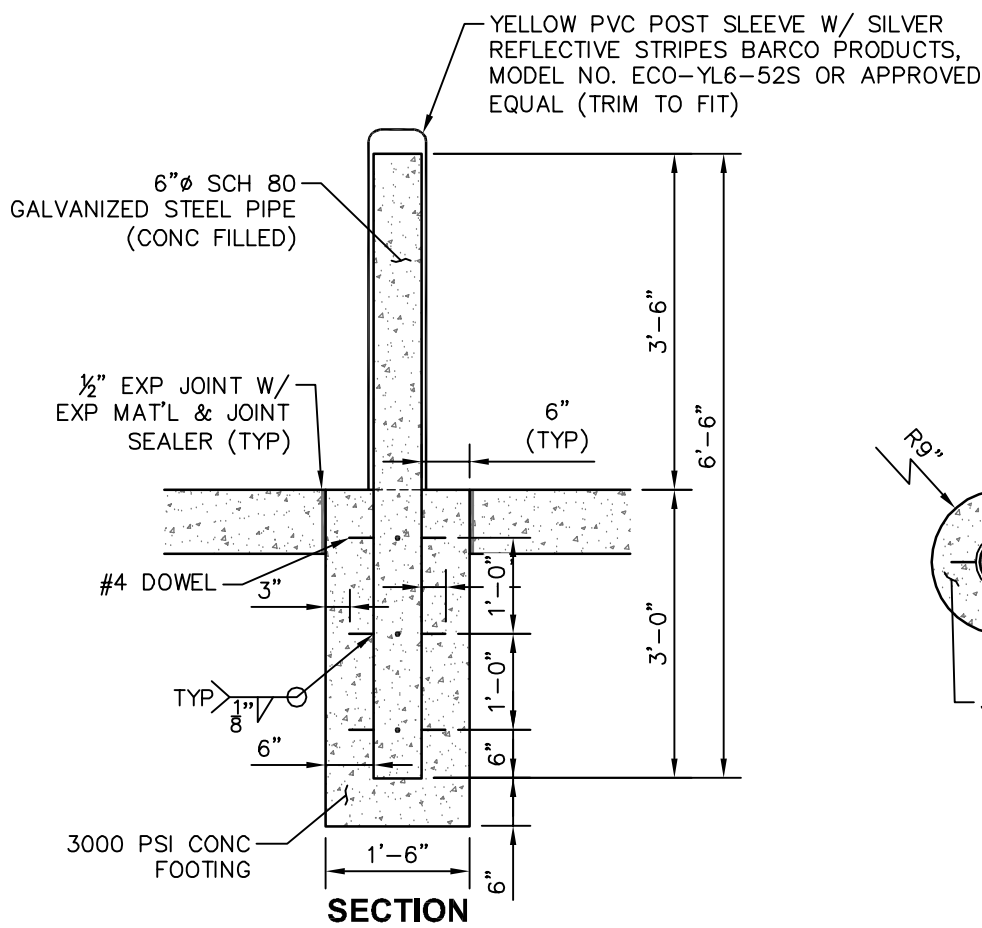
GREASE INTERCEPTOR NOTES:

- ALL CONCRETE SHALL BE 3500 PSI MINIMUM.
- ALL CONCRETE SHALL BE REINFORCED WITH 6x6 W1.4/1.4 WELDED WIRE MESH.
- TOP, BOTTOM AND SIDES ARE 6" THICK FOR TRAFFIC.
- BOTH MANWAYS SHALL BE THE SAME AS DETAILED ON THE MANHOLE DETAILS.
- CONSTRUCTION SHALL COMPLY WITH ASTM C1613 "STANDARD SPECIFICATION FOR PRECAST CONCRETE GREASE INTERCEPTOR TANKS".
- CAPACITY: 1,000+ GALLONS.



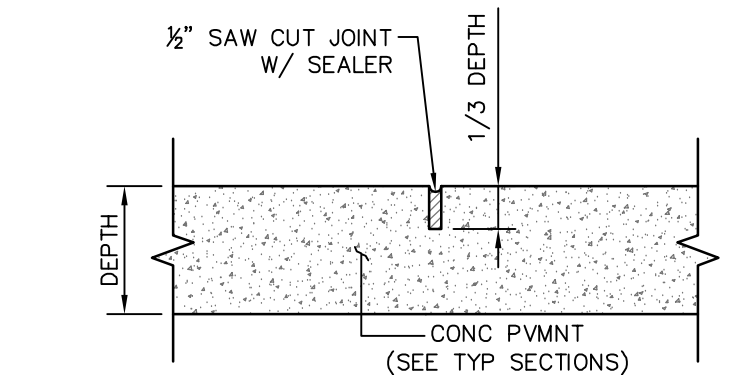
TYPICAL SECTION 'A-A' @ DUMPSTER ENCLOSURE

SCALE: 1" = 2'

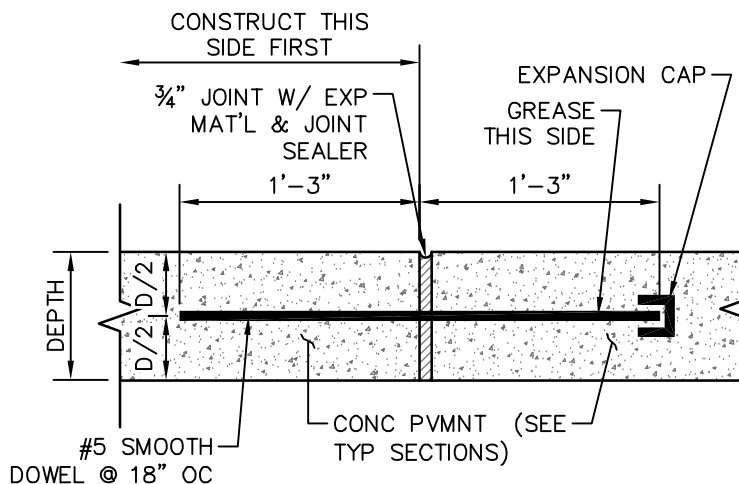


TYPICAL BOLLARD DETAIL

SCALE: 1" = 2'



CONTROL JOINT



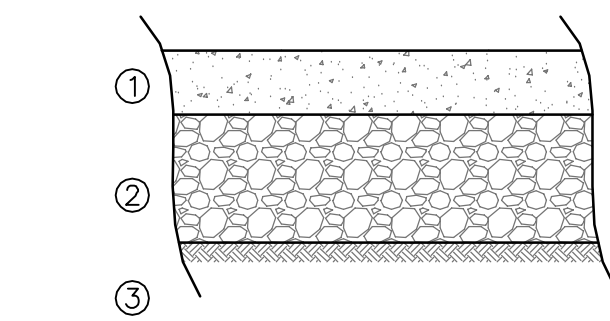
SPACING NOTE:
TYPICALLY: EVERY THIRD JOINT UNLESS NOTED OTHERWISE.
SPECIFICALLY: EDGE OF CHANGE IN PAVEMENT TYPE, DEPTH, SLOPE, OR ADJACENT TO STRUCTURE(S), UNLESS OTHERWISE NOTED.
NO DOWELS SHALL BE PLACED IN JOINTS ADJACENT TO STRUCTURES

EXPANSION JOINT

TYPICAL PAVEMENT JOINT DETAILS

NOT TO SCALE

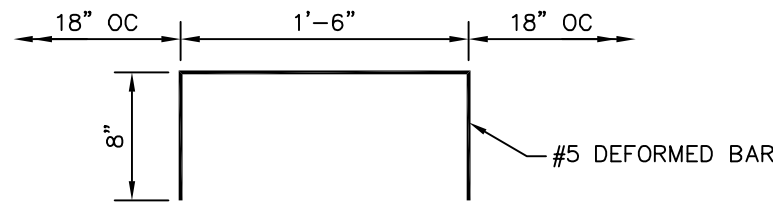
PLAN



- 7" DEPTH NON-REINFORCED 3500 PSI CONCRETE
- 8" DEPTH CRUSHED AGGREGATE (SIZE 825) COMPACTED TO 95% STANDARD PROCTOR
- EXISTING SUBGRADE AND/OR REPAIRED TRENCH FILL COMPACTED TO 95% STANDARD PROCTOR

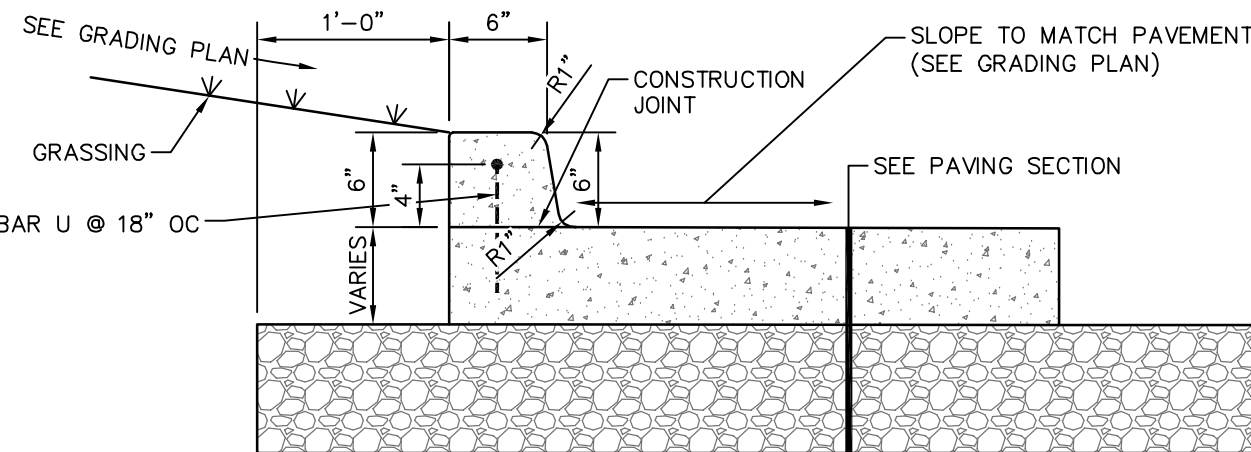
CONCRETE PAVING SECTION

NTS



BAR U

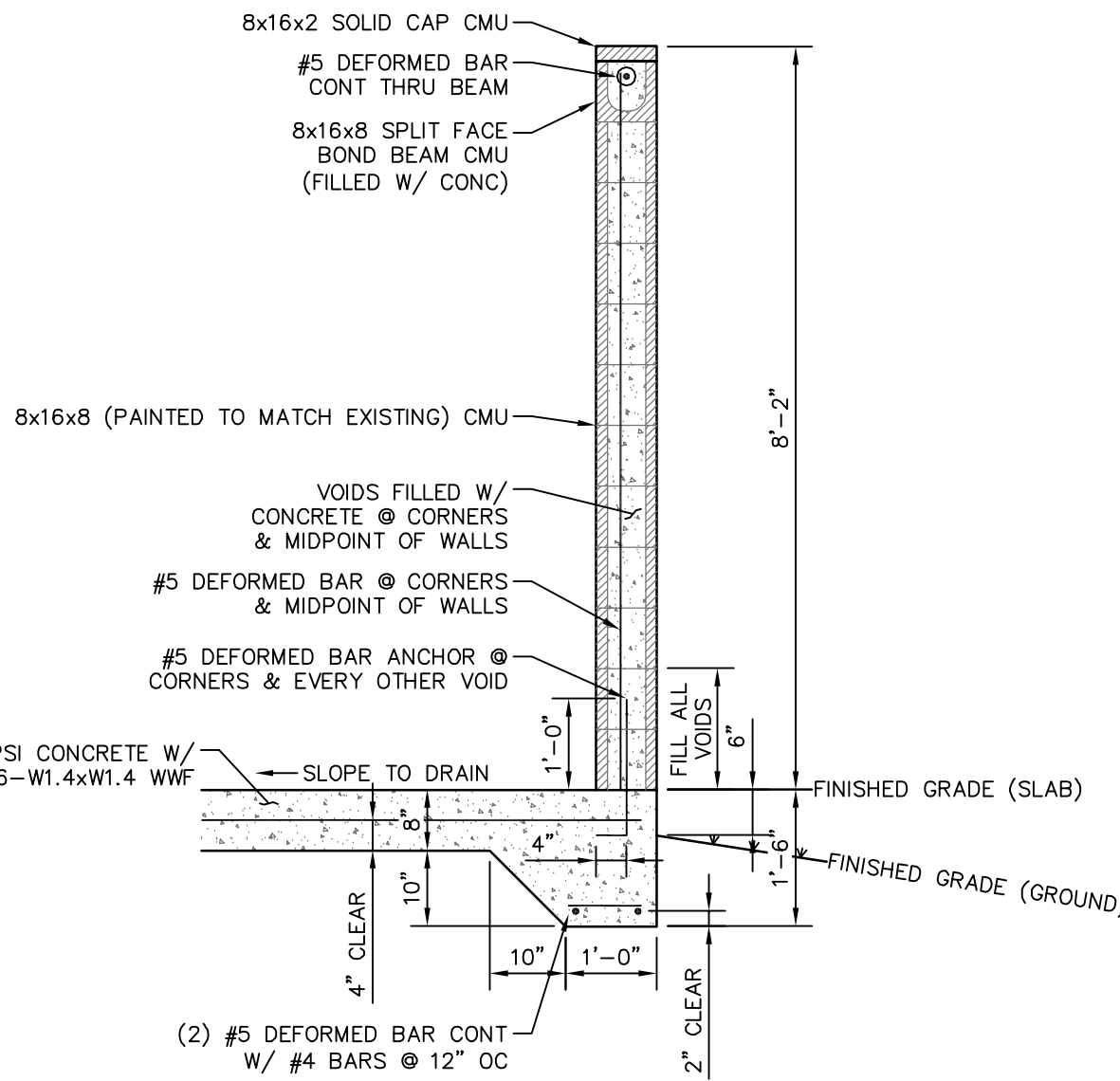
SCALE: NONE



JOINT NOTE:
1/2" CONTRACTION JOINTS REQUIRED @ 5' O.C. WITH JOINT SEALER
3/4" EXPANSION JOINTS REQUIRED @ 25' O.C. WITH 3/4" EXPANSION MATERIAL & JOINT SEALER, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

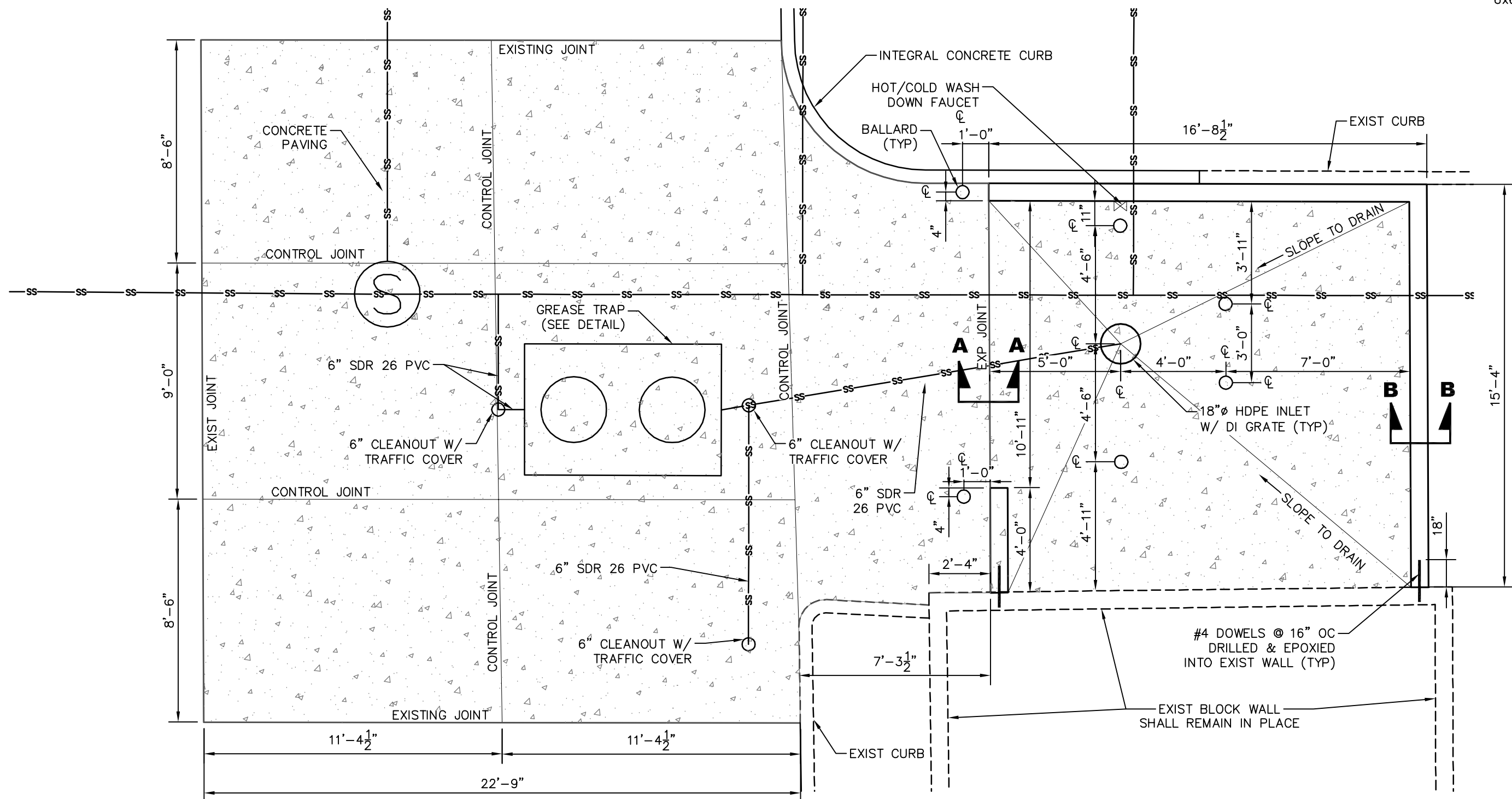
TYPICAL CONCRETE INTEGRAL CURB SECTION DETAIL

SCALE: 1" = 1'



TYPICAL SECTION 'B-B' @ DUMPSTER WALL

SCALE: 1" = 2'



TYPICAL DUMPSTER ENCLOSURE PLAN DETAIL

SCALE: 1" = 4'

NO.	DATE	DESCRIPTION	BY

DUMPSTER ENCLOSURE DETAILS

COMSWIP SEWER/WATER PROJECT PHASE X
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/SLS		Checked by: JTW	Scale: AS NOTED
Date: 03-26-2018		Working No. <u>DP1</u>	
Drawing No.: 1273-S011		Sheet No. <u>49</u>	

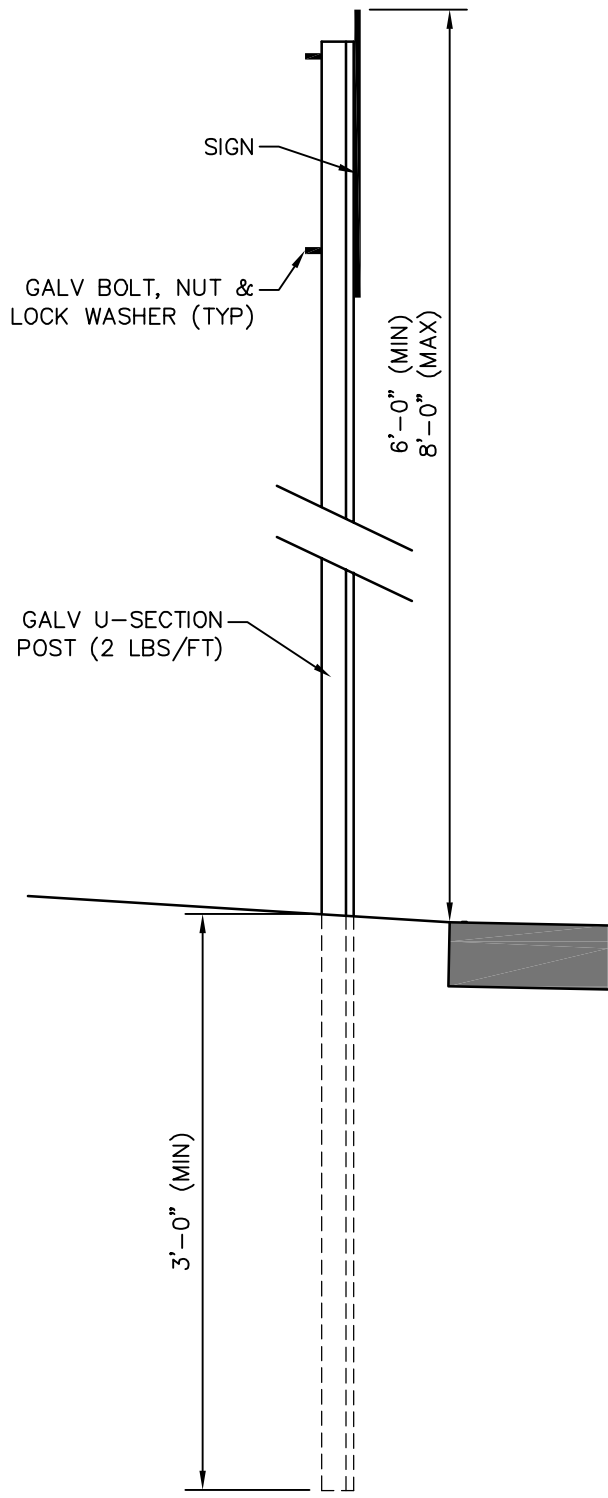
VEGETATION SCHEDULE						
EROSION CONTROL ITEMS		SEASONAL APPLICATIONS - DATES & RATES				REQUIREMENTS
		SPRING & SUMMER		FALL & WINTER		
	ITEMS	RATES	DATES	RATES	DATES	
	TOPSOIL FOR SLOPE TREATMENT (LVM)	4" THICK	MARCH 1 TO SEPTEMBER 1	4" THICK	SEPTEMBER 1 TO MARCH 1	TOPSOIL REQUIRED ON SLOPES DETERMINED 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

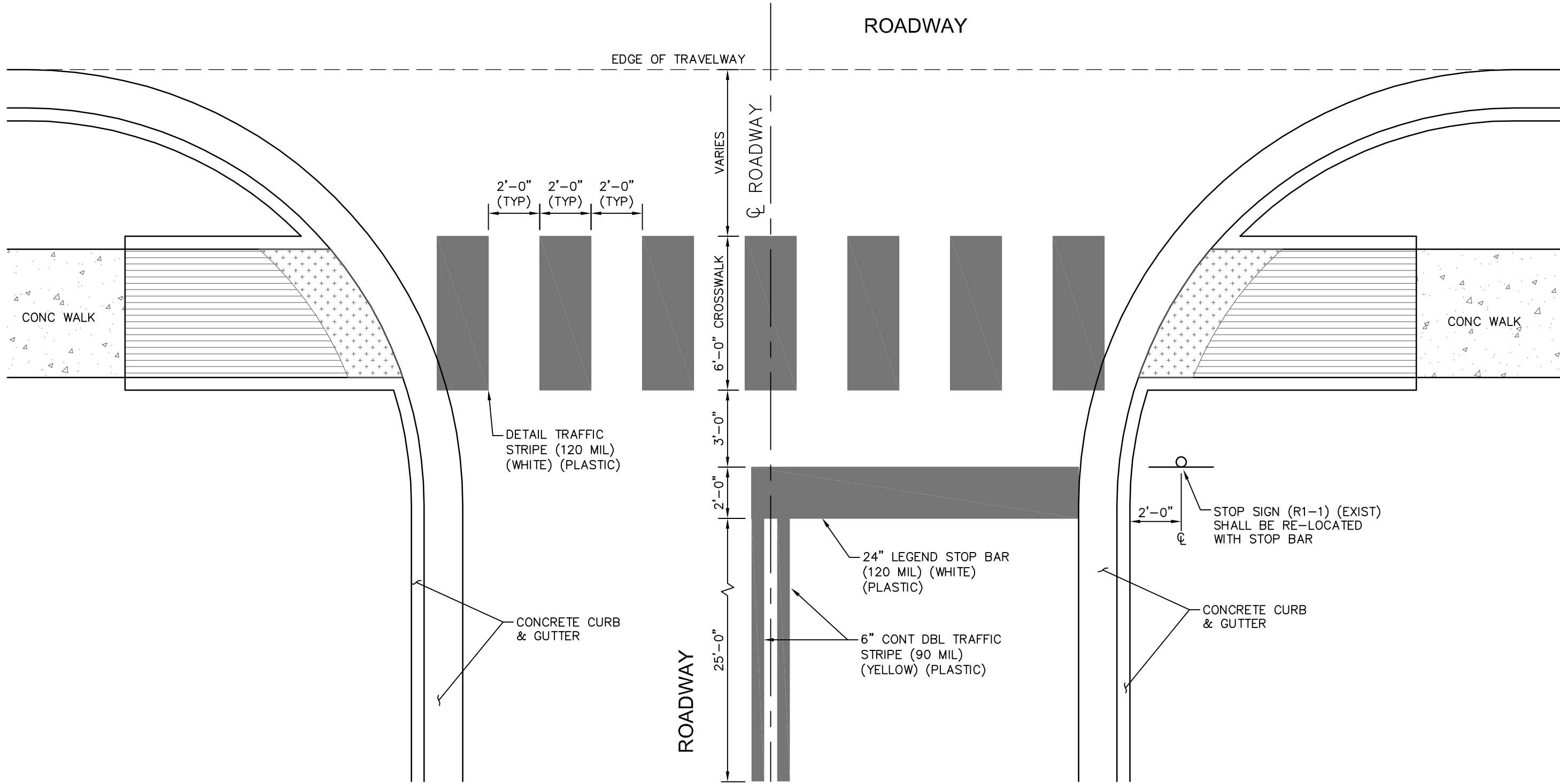
TEMPORARY EROSION CONTROL ITEMS REQUIRED FOR DETOURS

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/WATER PROJECT PHASE X 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:	03-26-2018	Working No.:	VS1
Drawing No.:	1273-S011	Sheet No.:	50

STANDARD INSTALLATION DETAIL

TABLE 1:

BEDDING AND BACKFILL REQUIREMENTS FOR NON-RIGID PIPE IN CROSS-DRAIN AND STORM-DRAIN APPLICATIONS

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.

B. Backfill material shall be one of the following:

1. Flowable Fill in accordance with Section 631 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition.

2. Crushed Stone Aggregate Backfill in accordance with Subsection 703.04.03 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.

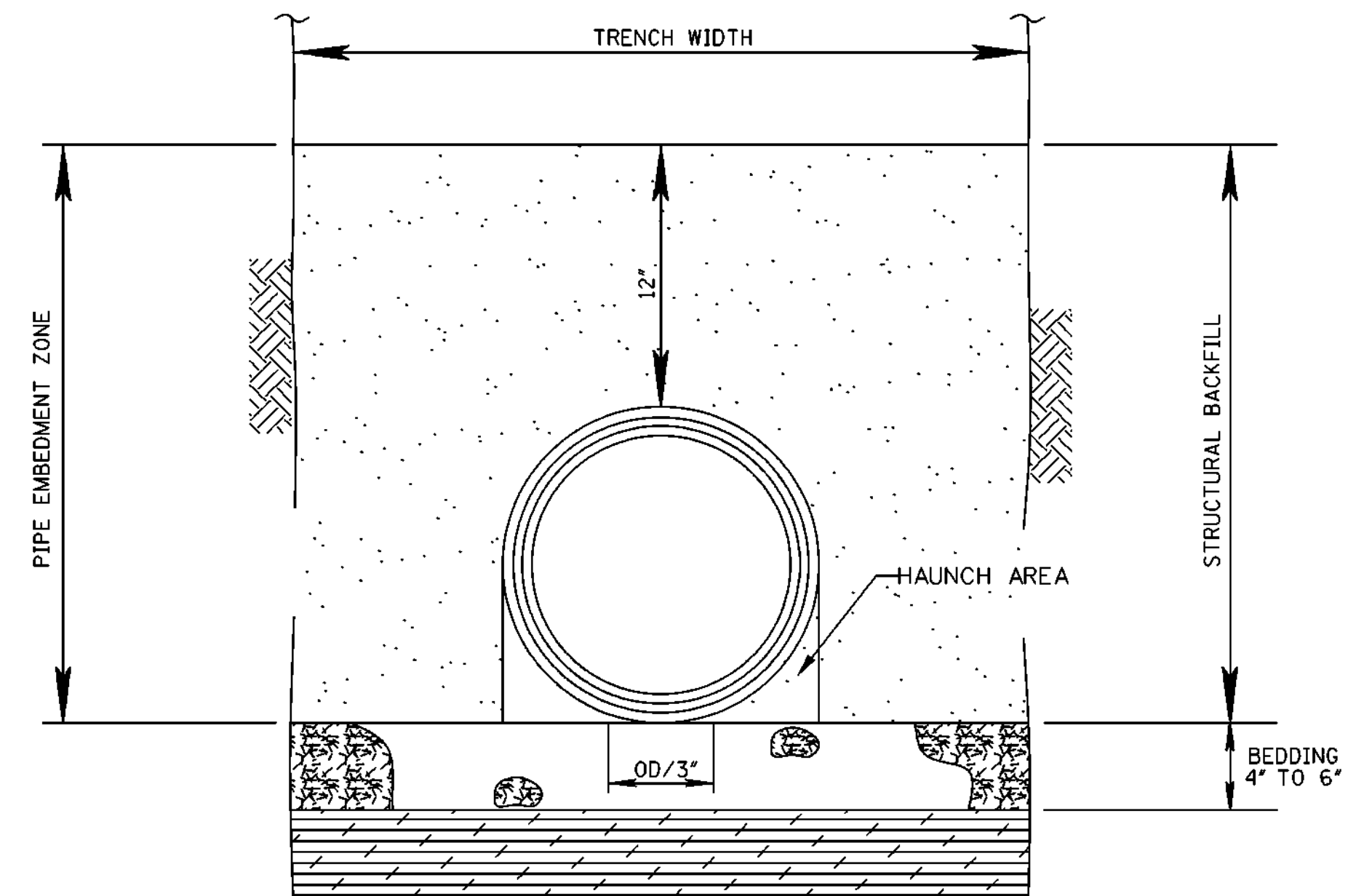
The cost of furnishing and placing the required bedding and backfill material indicated in A & B shall be included in the unit cost of the non-rigid pipe alternate, i.e., there will be no separate pay item for non-rigid pipe bedding and backfill material.

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.

B. Backfill material shall be in accordance with Subsection 203.03.8.6 of the Mississippi Standard Specifications for Road and Bridge Construction, latest edition. Pipes that serve as a side-drain on Departmental ROW, but travel under a county or local road shall adhere to the bedding and backfill requirements for a cross-drain contained above.

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.



TRENCH CROSS SECTION SHOWING TERMINOLOGY

NOTES:

- ## 1. MATERIALS

THERMOPLASTIC PIPE

POLYETHYLENE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 294, LATEST EDITION.

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.

BEDDING MATERIAL AND STRUCTURAL BACKFILL

BEDDING AND STRUCTURAL BACKFILL SHALL MEET THE REQUIREMENTS OF TABLE 1.

- ## 2. JOINTS

JOINTS FOR THERMOPLASTIC PIPE SHALL MEET THE PERFORMANCE REQUIREMENTS OF SOILTIGHTNESS UNLESS WATERTIGHTNESS IS SPECIFIED.

SUITABLE JOINTS CAN BE OBTAINED WITH THE FOLLOWING TYPES OF CONNECTIONS:

- TABLE JOINTS CAN BE OBTAINED WITH THE FOLLOWING TYPES OF
- A) CORRUGATED BANDS (WITH OR WITHOUT GASKETS)
 - B) BELL AND SPIGOT PIPE ENDS (WITH OR WITHOUT GASKETS)
 - C) DOUBLE BELL COUPLINGS (WITH OR WITHOUT GASKETS)

- ### 3. INSTALLATION

MINIMUM TRENCH WIDTHS SHALL MEET THE REQUIREMENTS OF TABLE 3.

THE MIDDLE THIRD OF THE BEDDING MATERIAL UNDER THE PIPE SHOULD BE LOOSELY PLACED, WHILE THE REMAINDER SHALL BE COMPACTED TO A MINIMUM 90% OF MAXIMUM DENSITY PER AASHTO T 99.

REMAINDER SHALL BE COMPACTED TO A MINIMUM 90% OF MAXIMUM DENSITY PER AASHTO T 99. A MINIMUM OF 4 INCHES OF BEDDING SHALL BE PROVIDED PRIOR TO PLACEMENT OF THE PIPE.

A MINIMUM OF 4 INCHES OF BEDDING SHALL BE PROVIDED PRIOR TO PLACEMENT OF THE PIPE. STRUCTURAL BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING AN 8 INCH LOOSE LIFT THICKNESS AND BROUGHT UP EVENLY ON BOTH SIDES OF THE PIPE TO AN ELEVATION NOT LESS THAN 12 INCHES ABOVE THE TOP OF THE PIPE. A MINIMUM COMPACTION LEVEL OF 90% STANDARD DENSITY PER AASHTO T 99 SHALL BE ACHIEVED.

MINIMUM COVER REQUIREMENTS SHALL MEET THE REQUIREMENTS OF TABLE 2.

FOR MULTIPLE INSTALLATION OF POLYETHYLENE PIPES, A CLEAR DISTANCE BETWEEN PIPES SHALL MEET THE REQUIREMENTS OF TABLE 4.

4. CALCULATIONS FOR FILL DEPTHS ARE BASED ON PROPERTIES DEFINED IN AASHTO M294 AND CALCULATIONS IN AASHTO SEC. 18.

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"

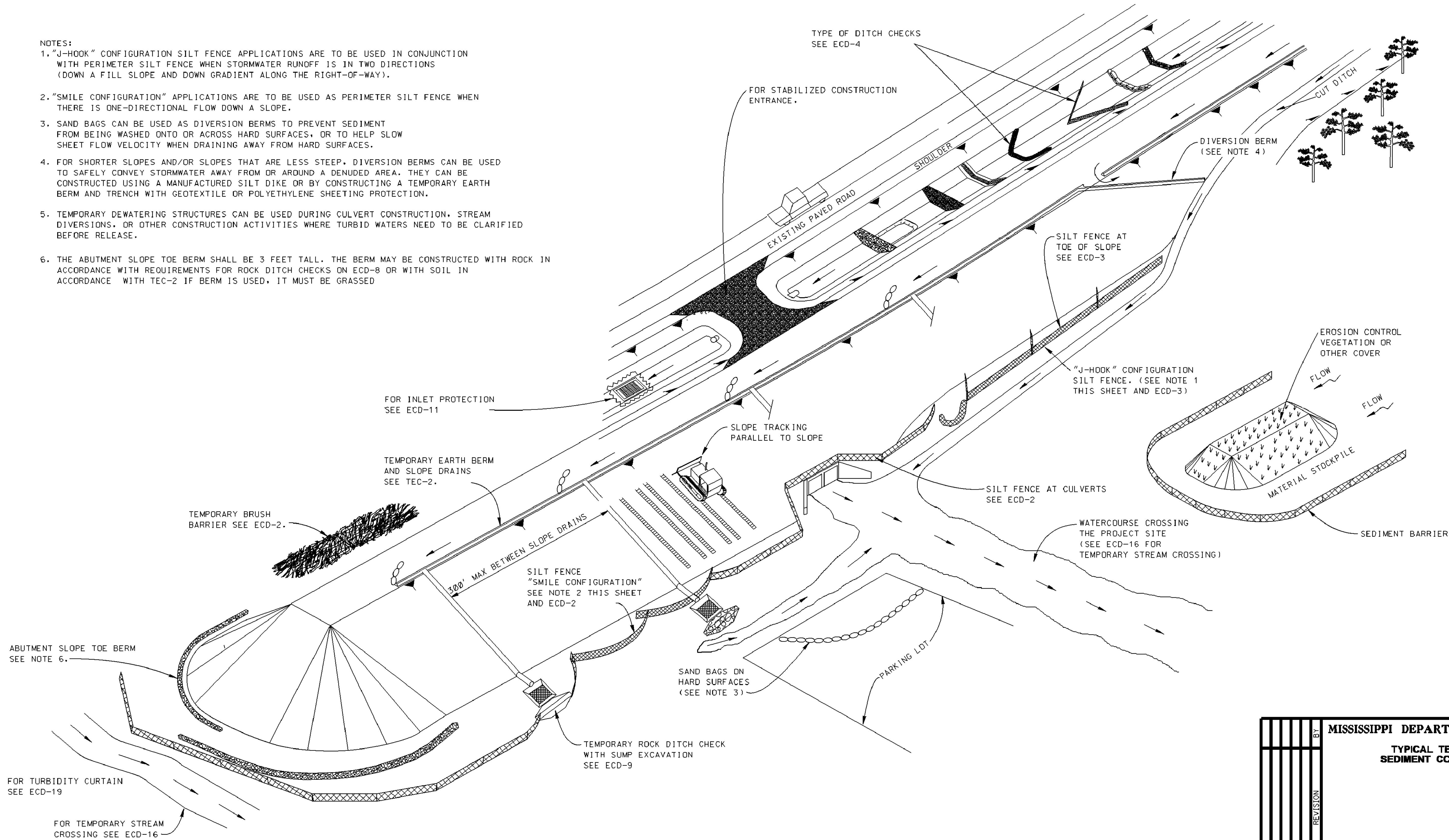
The trench width must be wide enough to accomodate compaction equipment.

TABLE 4: MULTIPLE INSTALLATION OF POLYETHYLENE PIPES

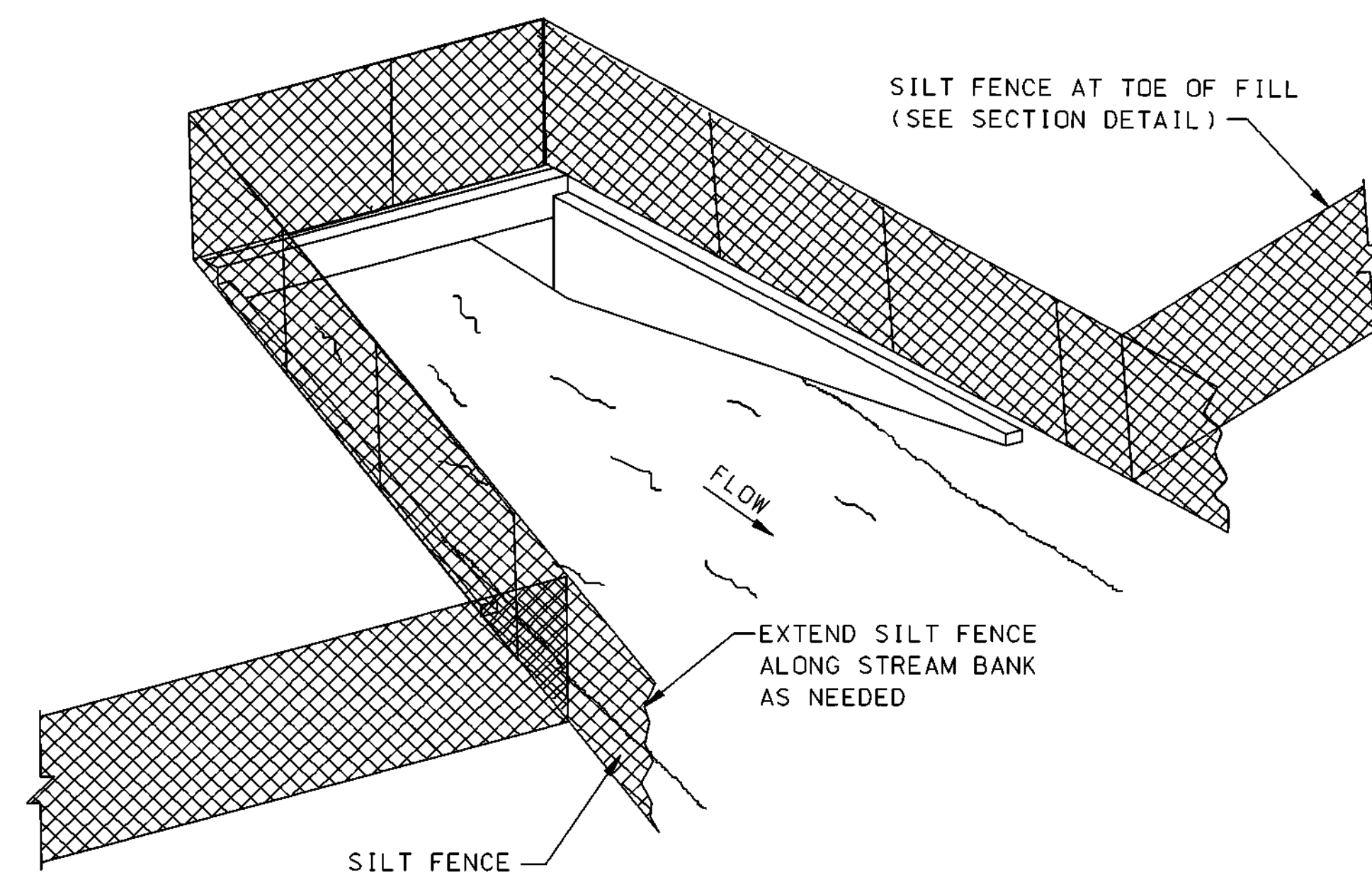
DIAMETER OF PIPE		CLEAR DISTANCES BETWEEN PIPES	
IN.	(MM)	FT.	(M)
18	(450)	1' 2"	(0.36)
24	(600)	1' 5"	(0.44)
30	(750)	1' 8"	(0.52)
36	(900)	1' 11"	(0.60)
42	(1050)	2' 2"	(0.68)
48	(1200)	2' 5"	(0.76)

				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
				REVISION	FLEXIBLE PIPE STANDARD	
					WORKING NUMBER HDPE-1	
				DATE	FILENAME: _____	SHEET NUMBER 51
					DESIGN TEAM	CHECKED
						DATE

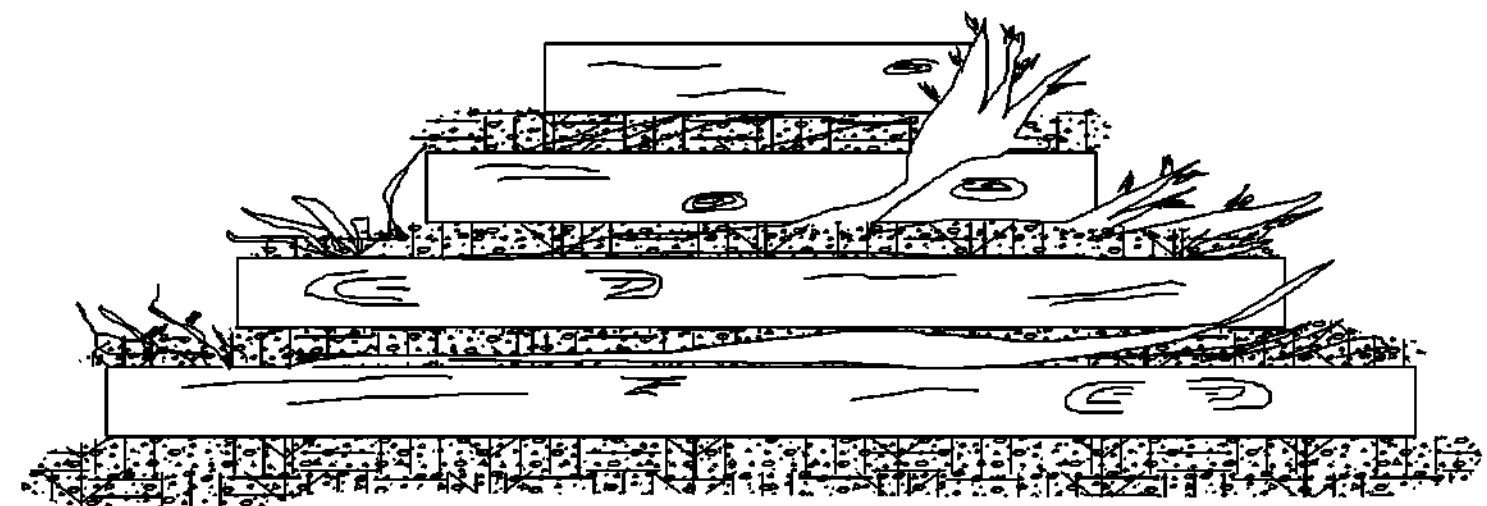
- NOTES:
1. "J-HOOK" CONFIGURATION SILT FENCE APPLICATIONS ARE TO BE USED IN CONJUNCTION WITH PERIMETER SILT FENCE WHEN STORMWATER RUNOFF IS IN TWO DIRECTIONS (DOWN A FILL SLOPE AND DOWN GRADIENT ALONG THE RIGHT-OF-WAY).
 2. "SMILE CONFIGURATION" APPLICATIONS ARE TO BE USED AS PERIMETER SILT FENCE WHEN 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



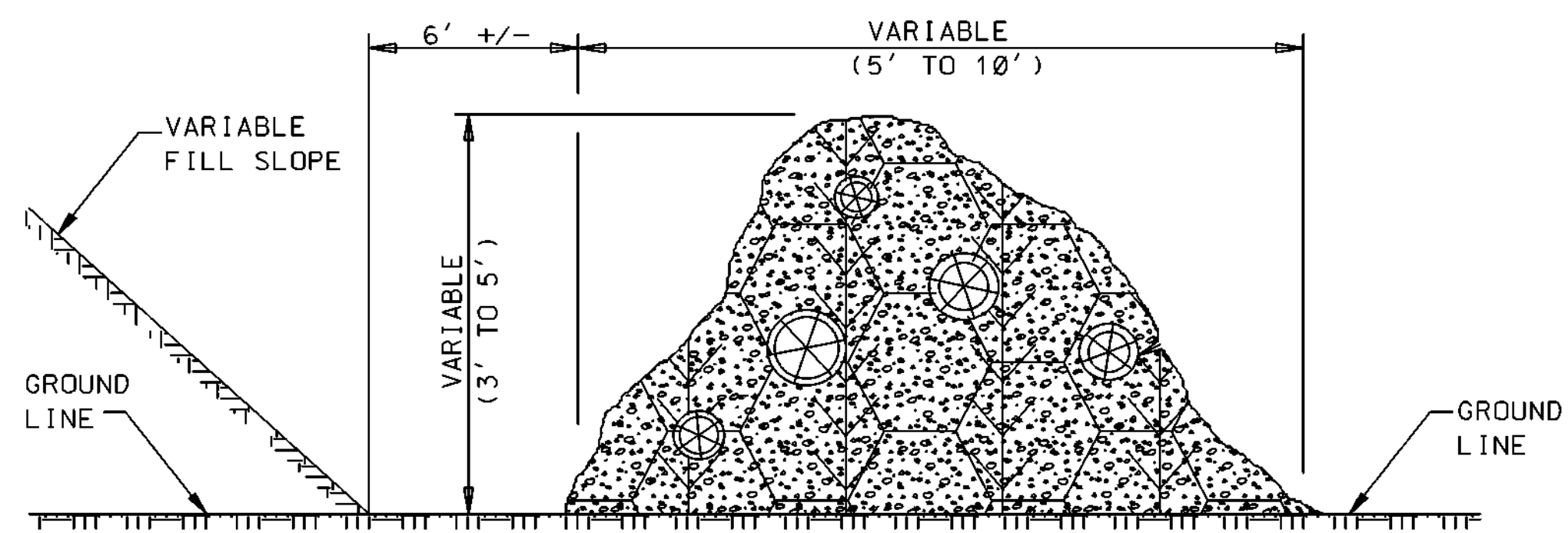
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SEDIMENT BARRIER AT CROSS DRAIN



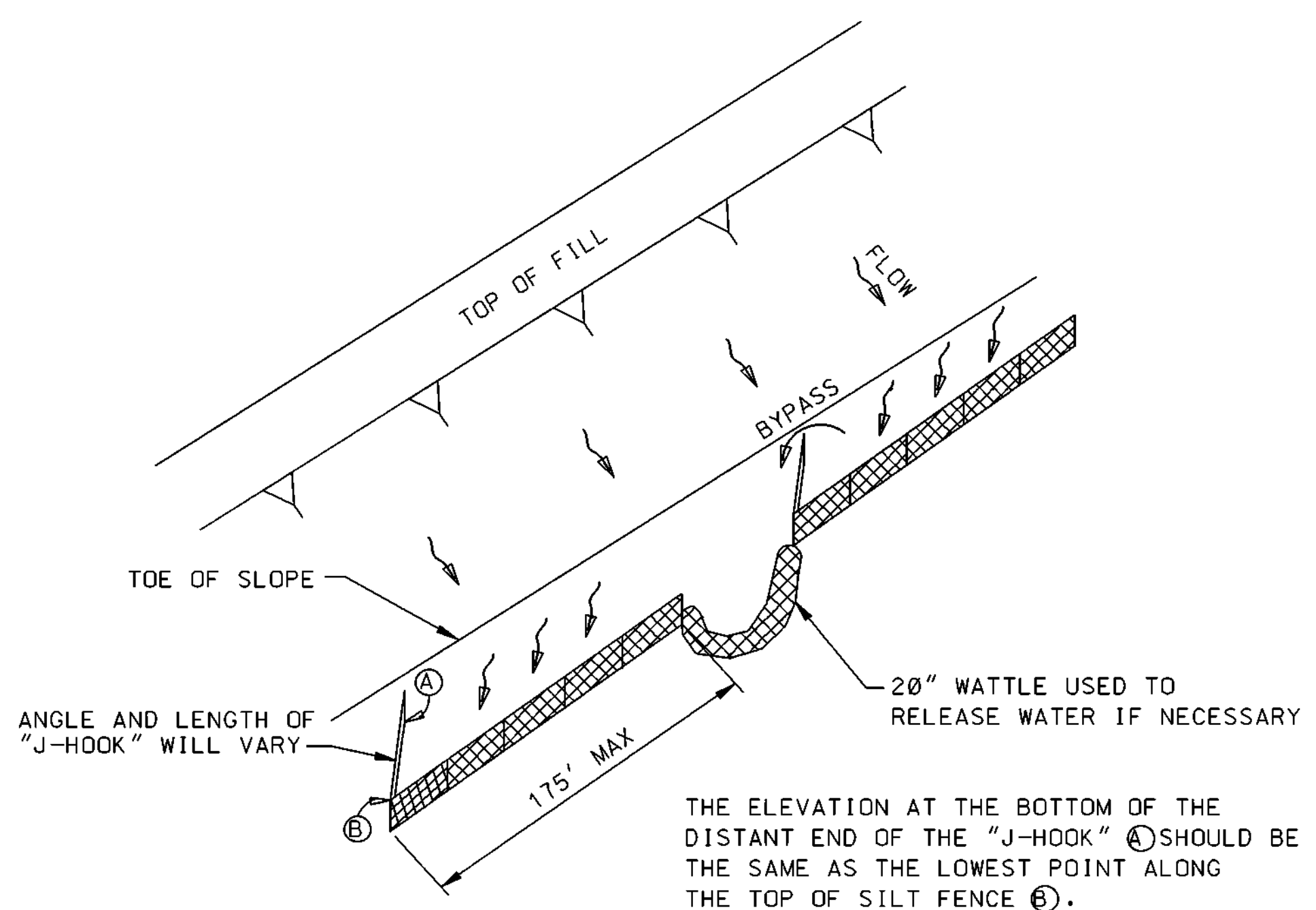
FRONT ELEVATION



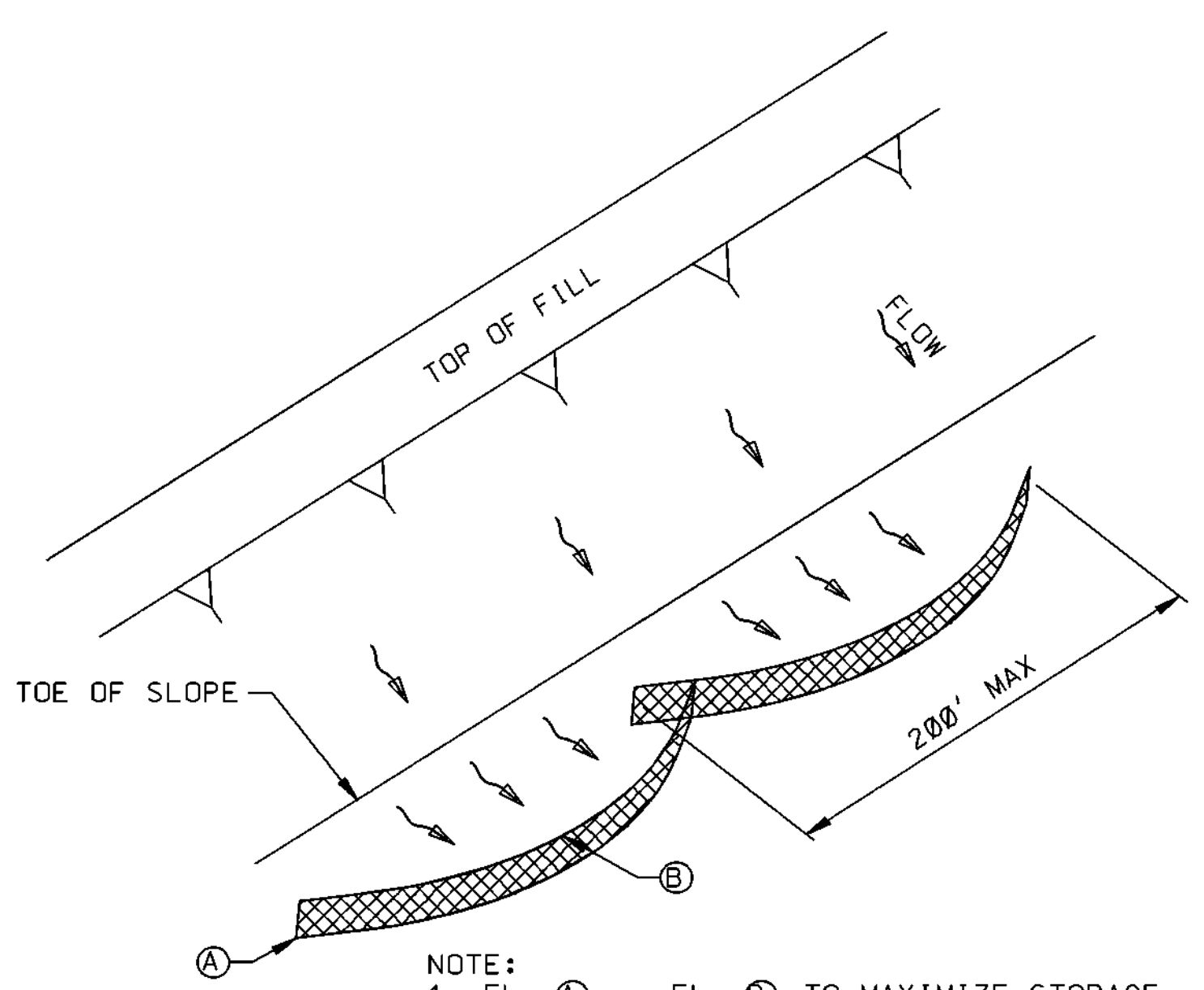
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TEMPORARY BRUSH BARRIER

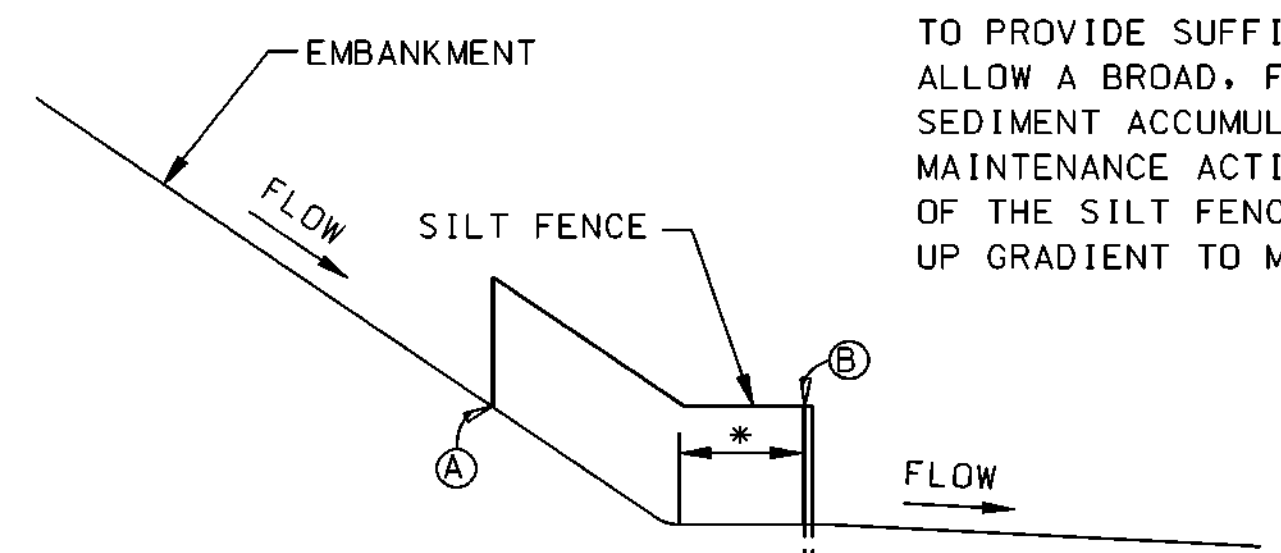
- NOTES:
1. BRUSH BARRIER MAY BE USED WHERE NATURAL GROUND IS LEVEL OR SLOPING AWAY FROM PROJECT.
 2. PLACE BRUSH, LOG AND TREE LAPS APPROXIMATELY PARALLEL TO TOE OF FILL SLOPE WITH SOME OF THE HEAVIER MATERIALS BEING PLACED ON TOP TO PROPERLY SECURE THE BARRIER AS DETAILED AT LOCATIONS SHOWN ON PLANS 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



"J-HOOK" SILT FENCE APPLICATION



"SMILE-CONFIGURATION" SILT FENCE APPLICATION

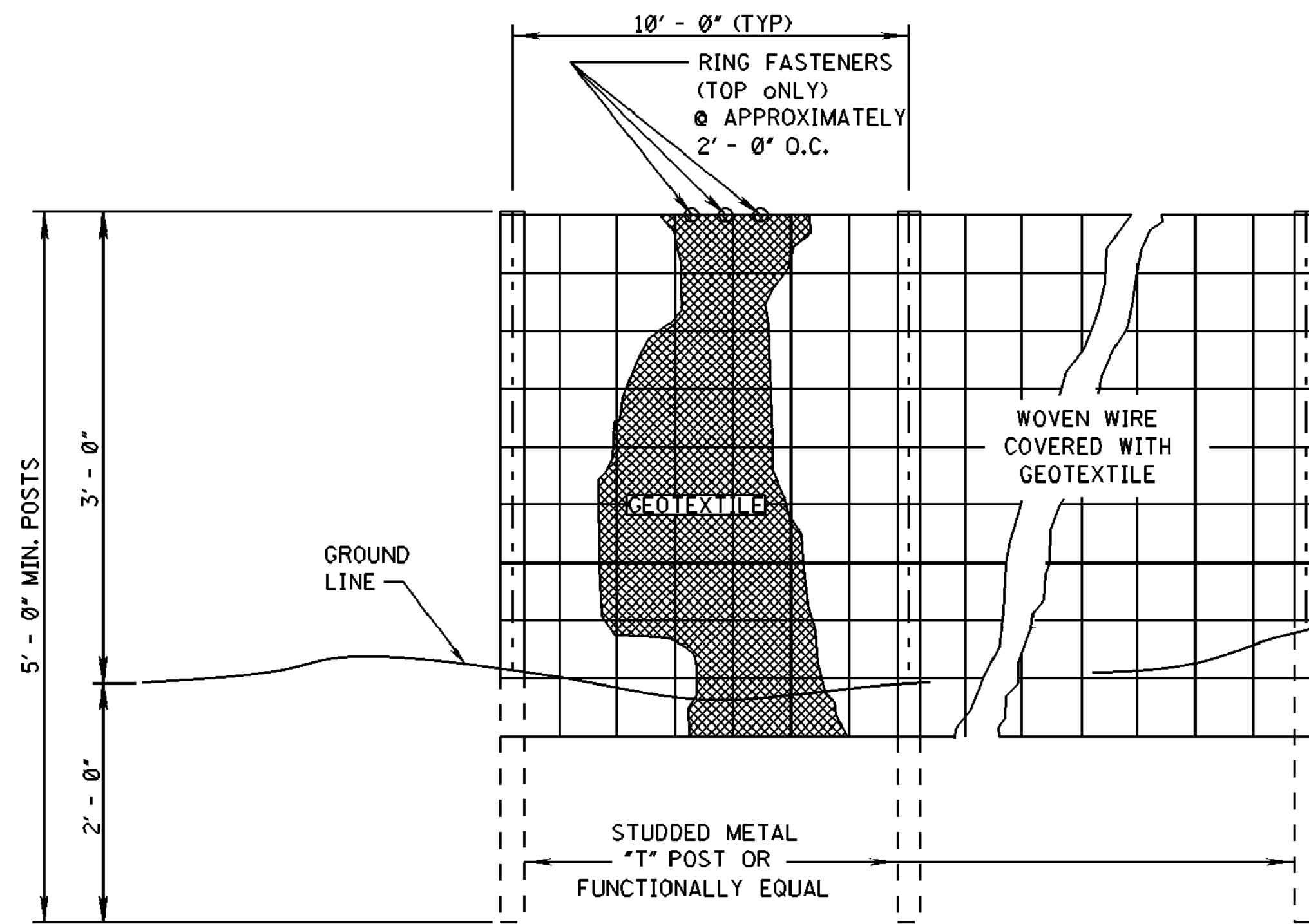


SILT FENCE SECTION AT TOE OF FILL

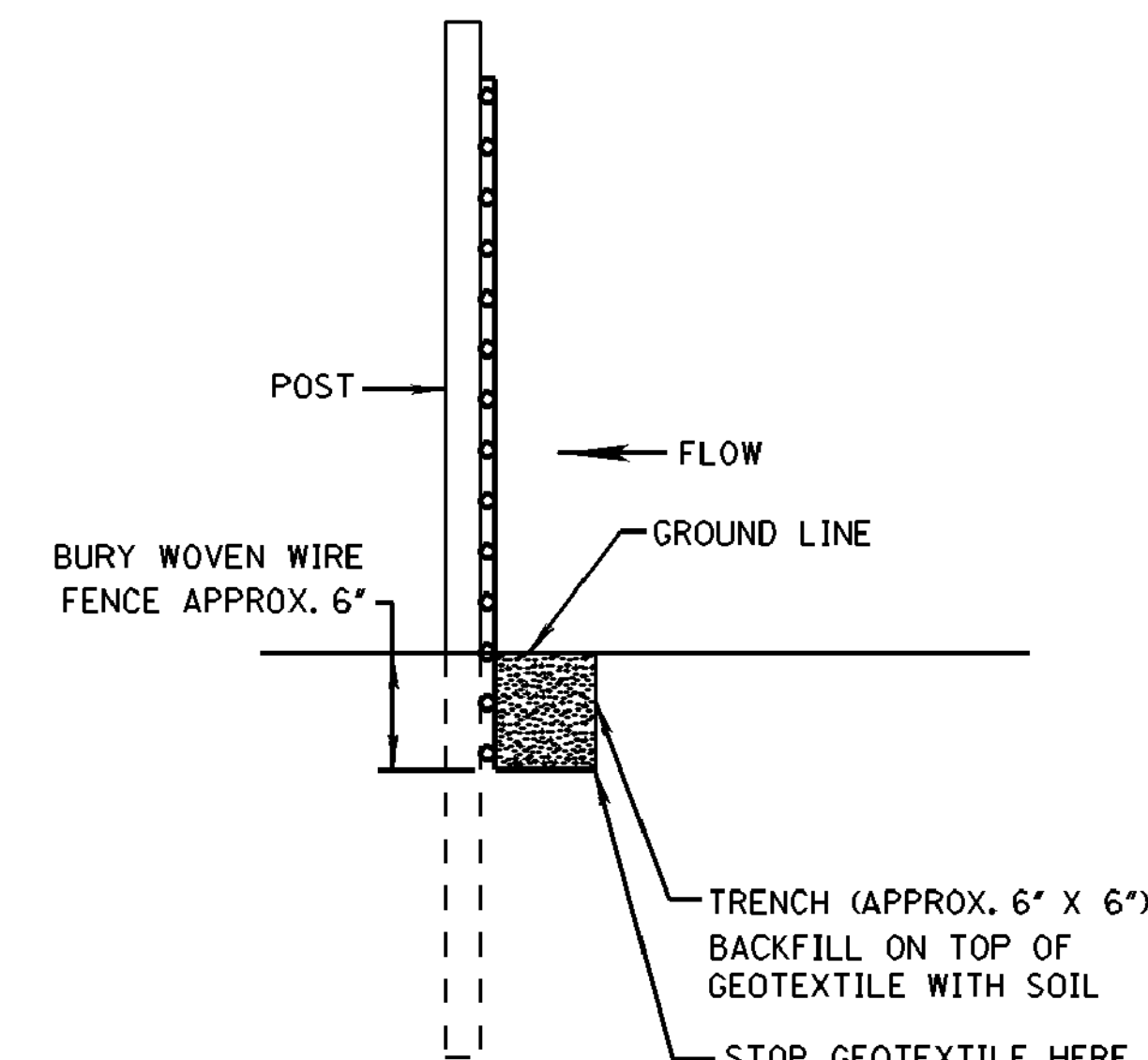
- NOTE:
1. ANCHOR AND INSTALL SILT FENCE PER DETAILS SHOWN ON ECD-3

* 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.

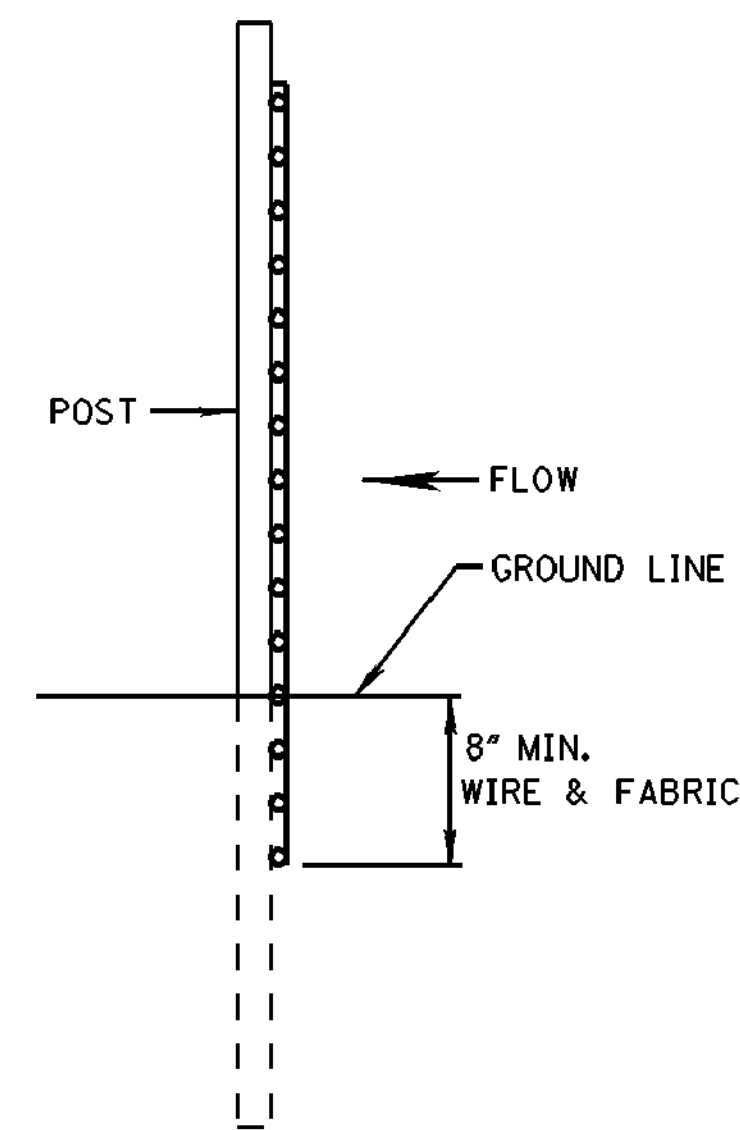
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILS OF SEDIMENT BARRIER APPLICATIONS	
WORKING NUMBER	ECD-2
SHEET NUMBER	53
DATE	FILENAME: EROSION_CONTROL\ECD-2.DGN
DESIGN TEAM	CHECKED DATE



ELEVATION VIEW



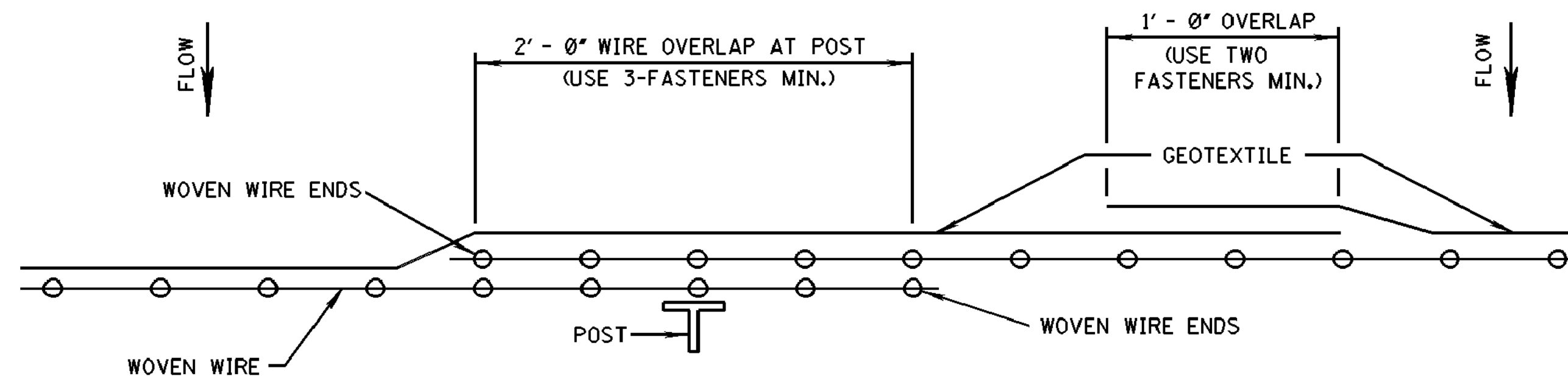
METHOD I



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 ERECTED 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 INSTALLATION		ECD-3	
DATE	FILENAME: EROSION_CONTROL\ECD-3.DGN	DATE	SHEET NUMBER
DESIGN TEAM	CHECKED	DATE	54

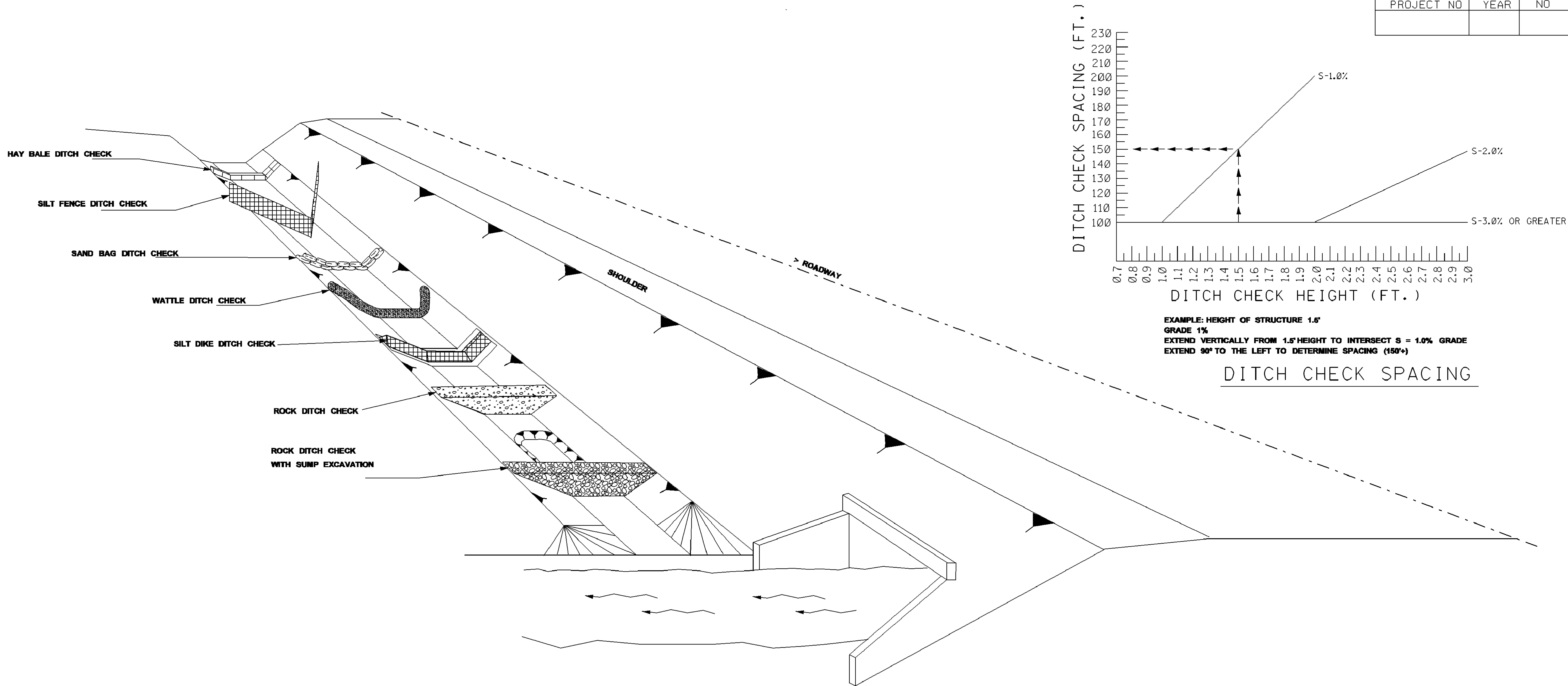
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PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1/20/2010 8:10 AM ECD-4.DGN

STATE	PROJECT NO.
MISS.	

REFERENCE PROJECT NO	FISCAL YEAR	SHEET NO

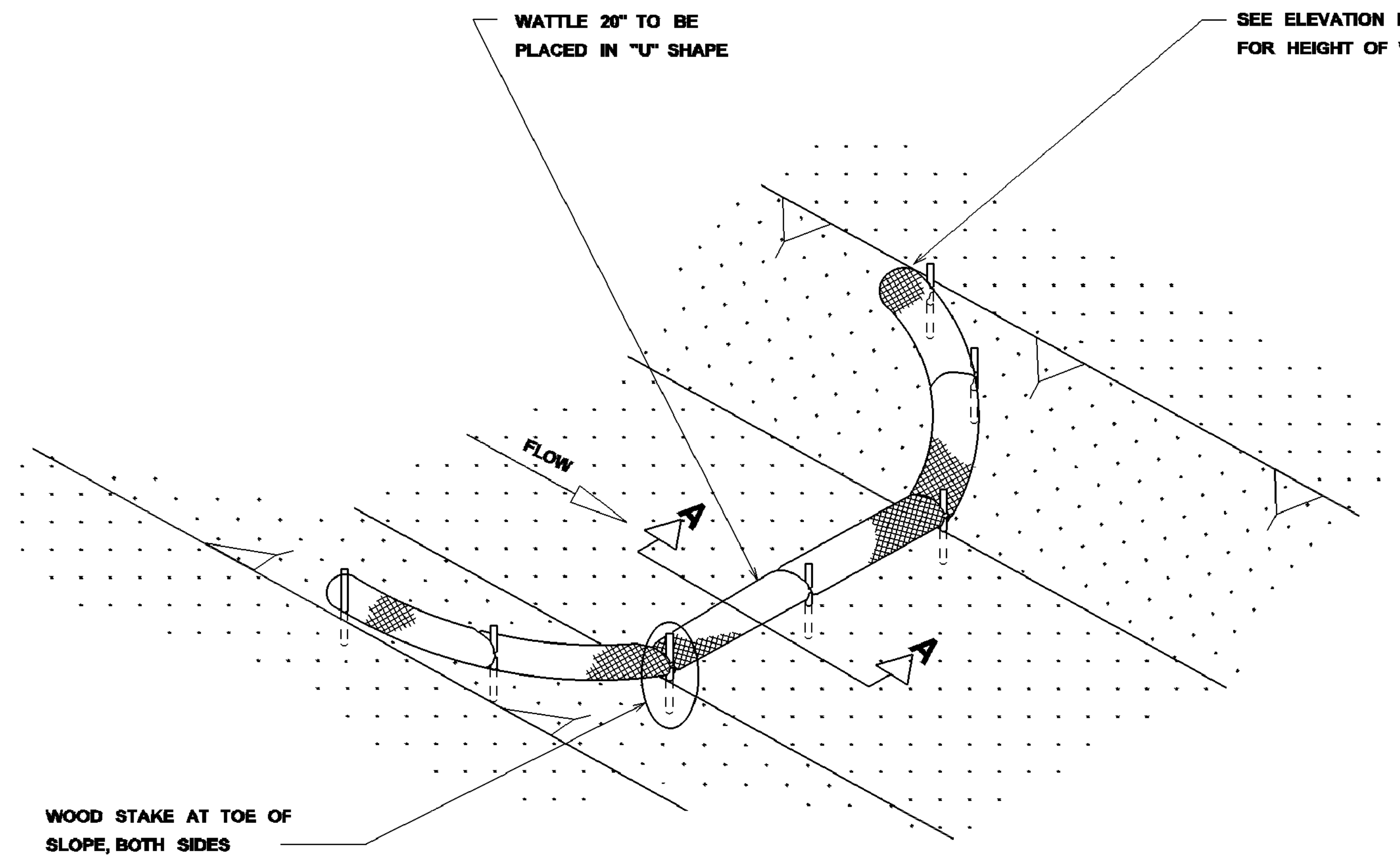


NOTES:

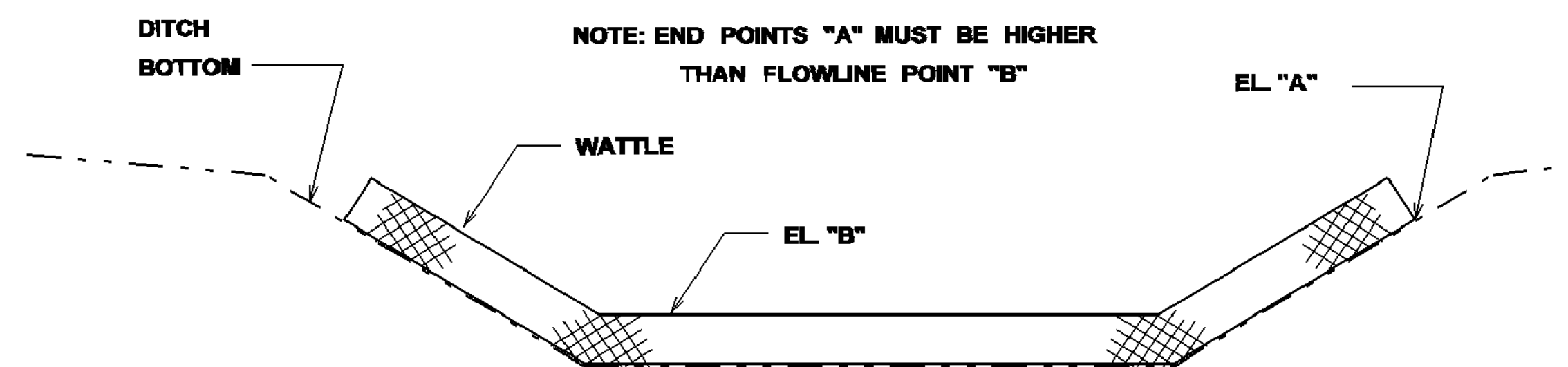
1. THE DITCH CHECK PERSPECTIVE ILLUSTRATES A TOOL BOX OF TEMPORARY PRACTICES THAT MAY BE USED. DITCH CHECKS ARE INSTALLED TO CONTROL RUNOFF VELOCITY AND THUS REDUCE EROSION AND PROVIDE FOR TRAPPING OF SEDIMENTS.
2. SELECTION OF THE APPROPRIATE DITCH CHECK SHOULD BE A FUNCTION OF CONSTRUCTION PHASE, DRAINAGE 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. SILTY FENCE DITCH CHECKS ARE USED WHERE IT HAS BEEN DETERMINED THAT HAY BALE CHECKS ARE INADEQUATE. SILTY 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. SILTY 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	FILENAME: EROSION CONTROL ECD-4.DGN	WORKING NUMBER ECD-4	SHEET NUMBER 55
DESIGN TEAM	CHECKED	DATE	

DRAWING No.: 1273-S011



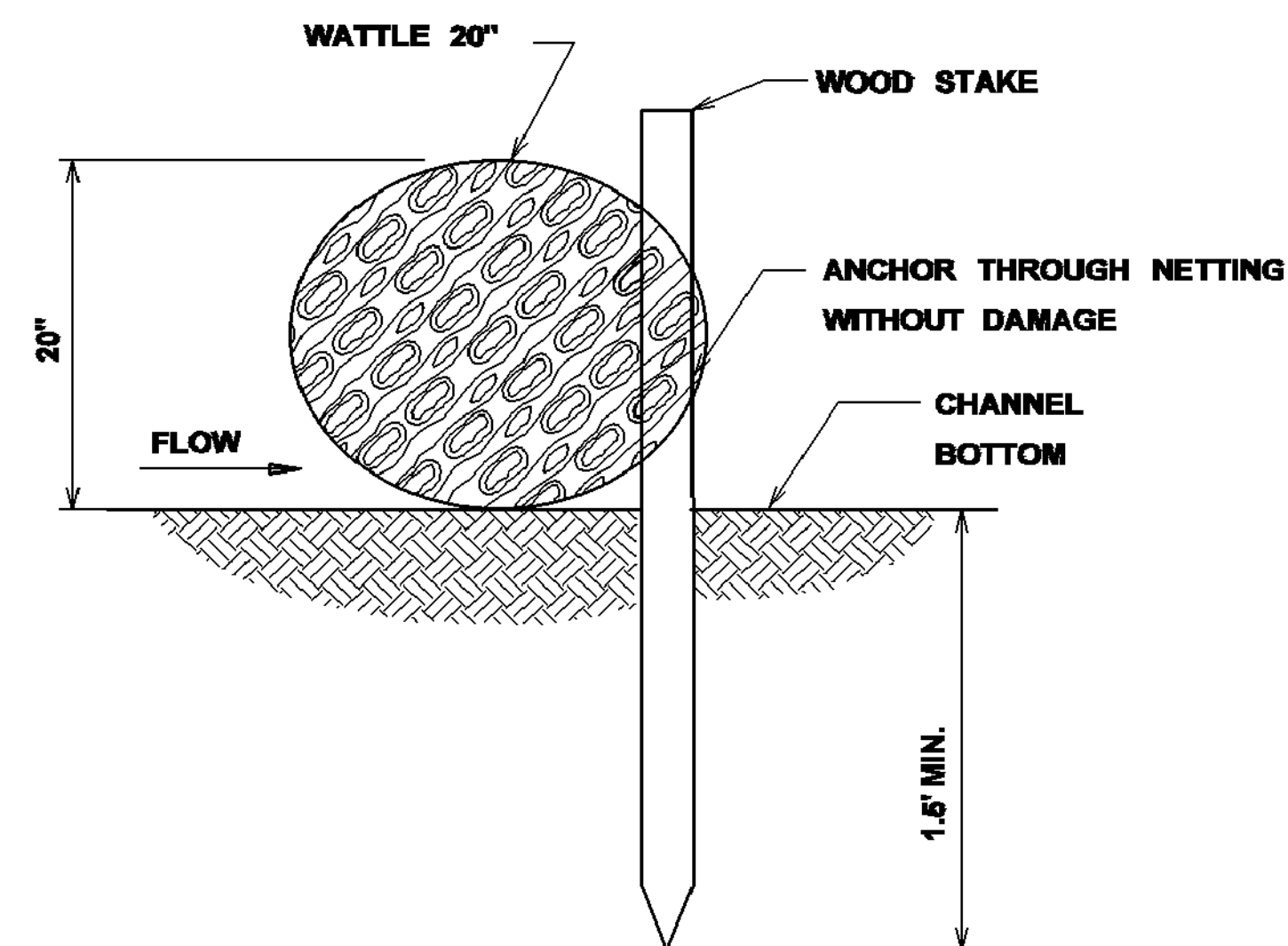
DETAIL (DITCH CHECK)



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.

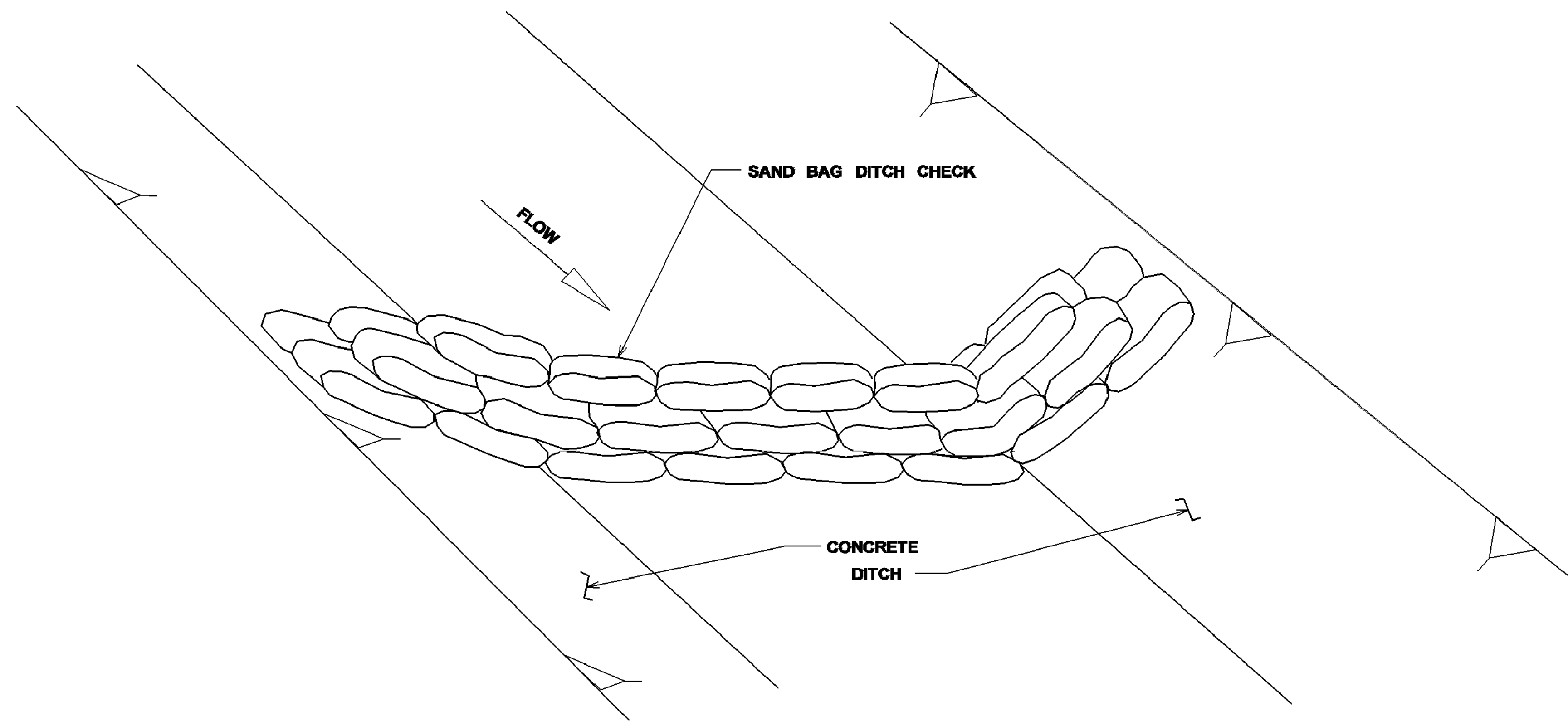


SECTION A-A

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.

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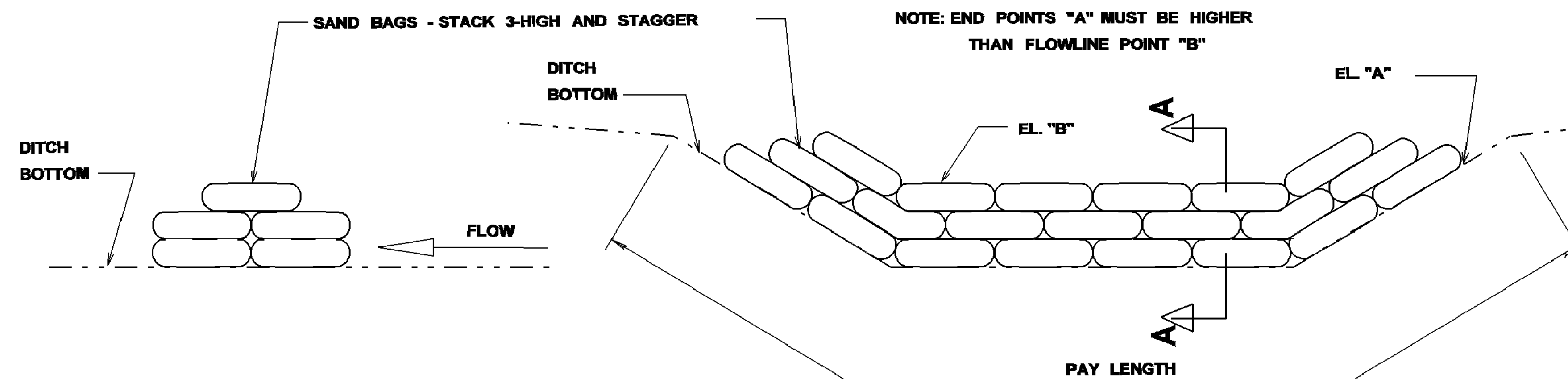
DETAIL (DITCH CHECK)

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

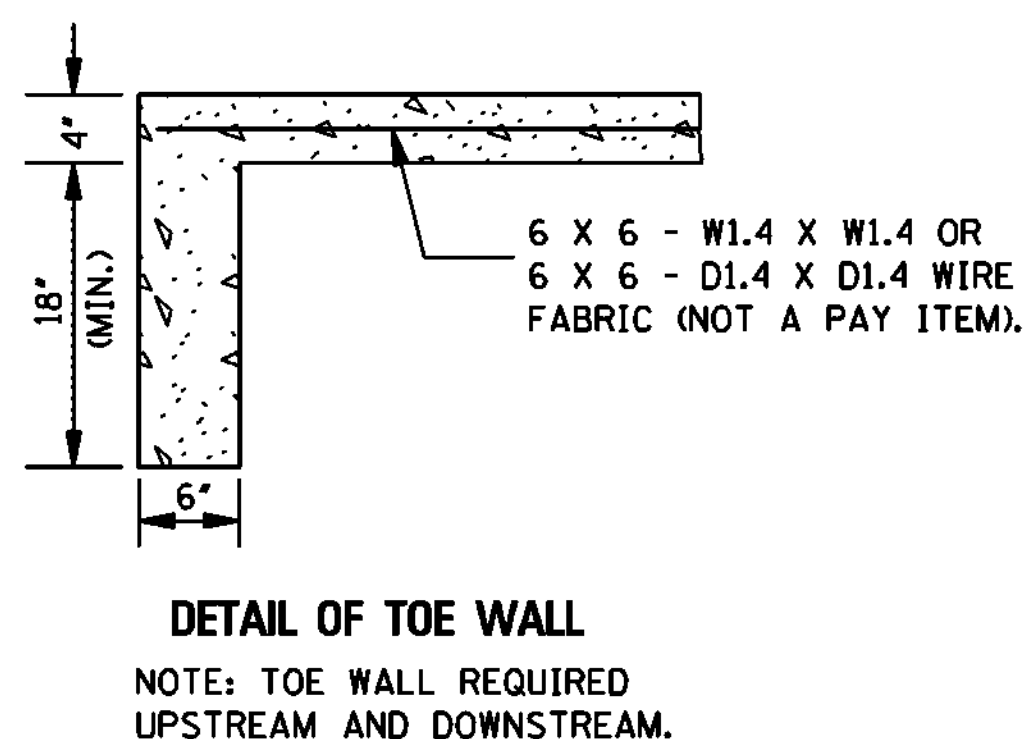
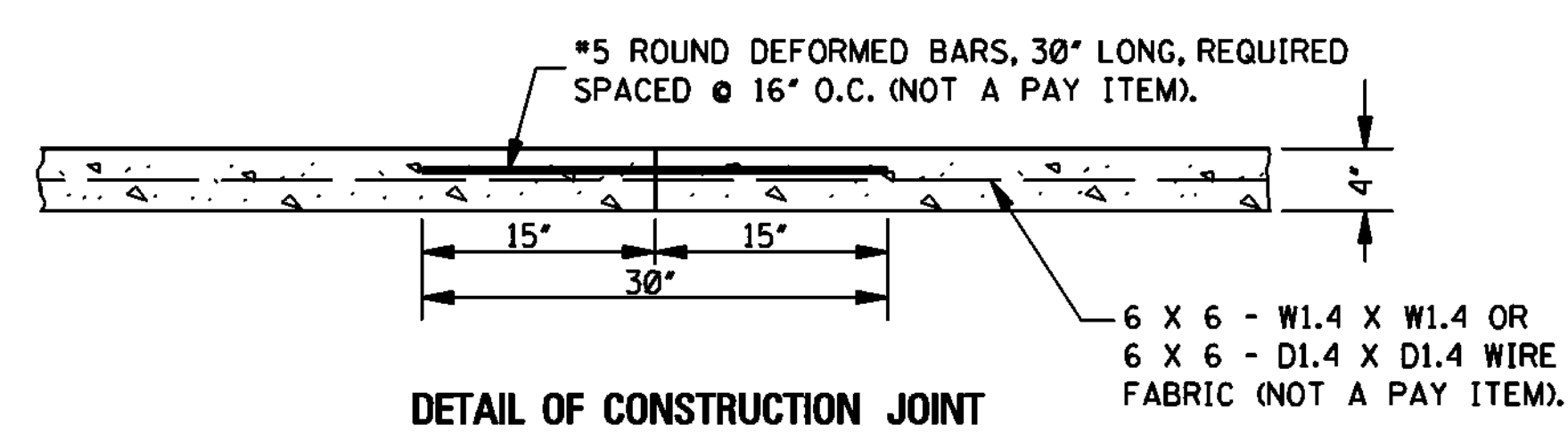
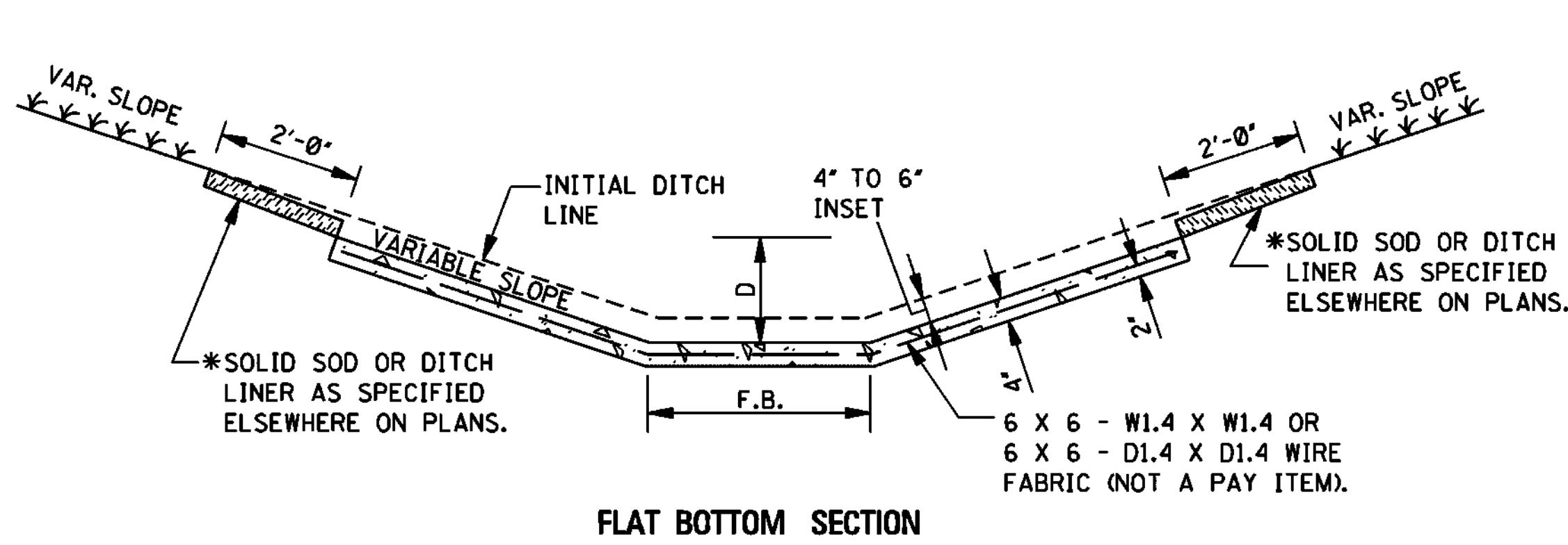
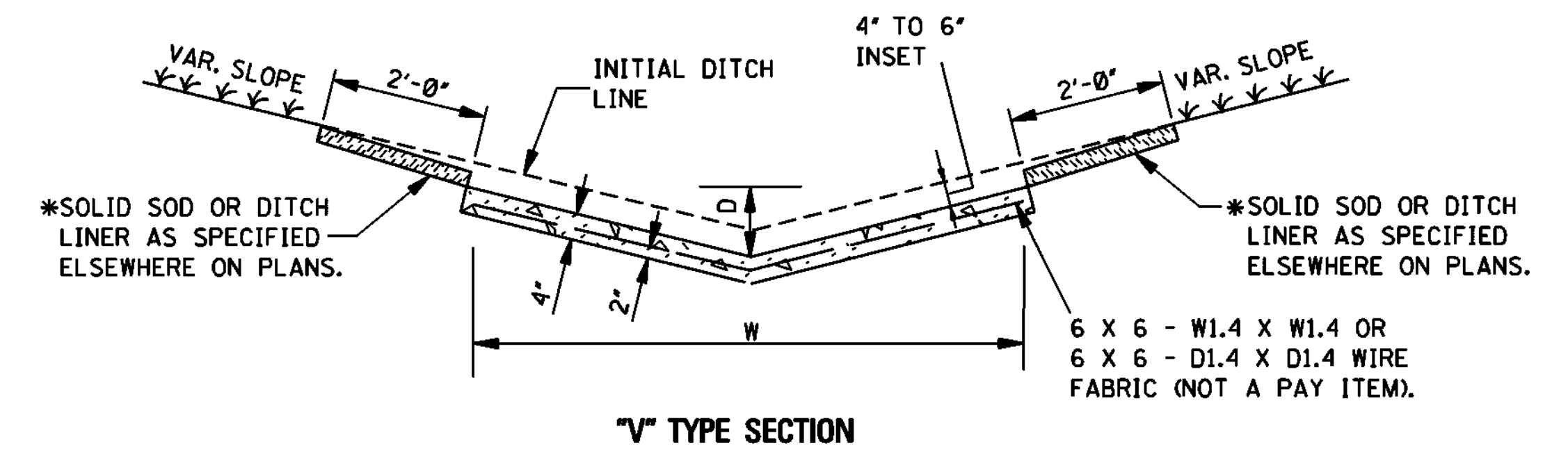
SAND BAG DITCH CHECKS ARE USED FOR VELOCITY REDUCTION AND MINIMAL SEDIMENT TRAPPING IN CONCRETE PAVED DITCHES OR IN DITCHES THAT HAVE ROCKY BOTTOMS.



SECTION A-A

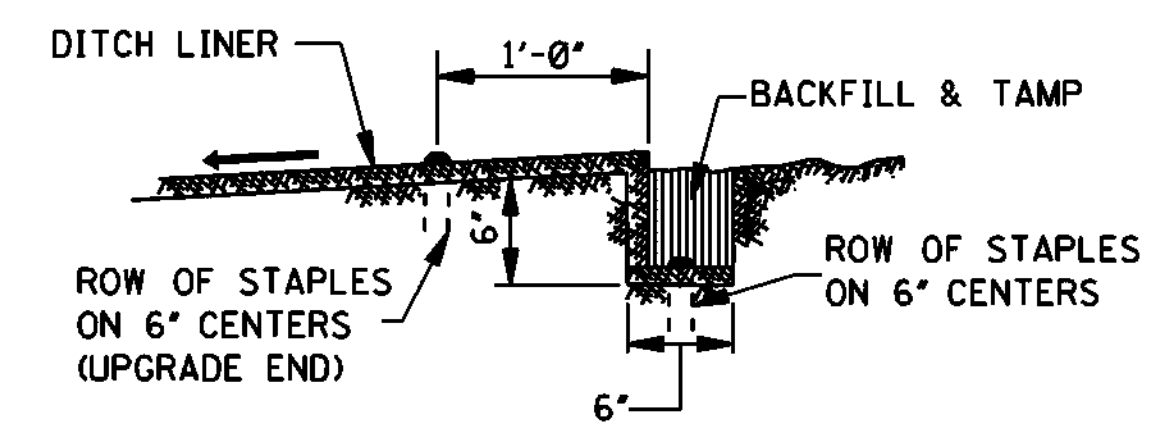
ELEVATION DETAIL

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 57



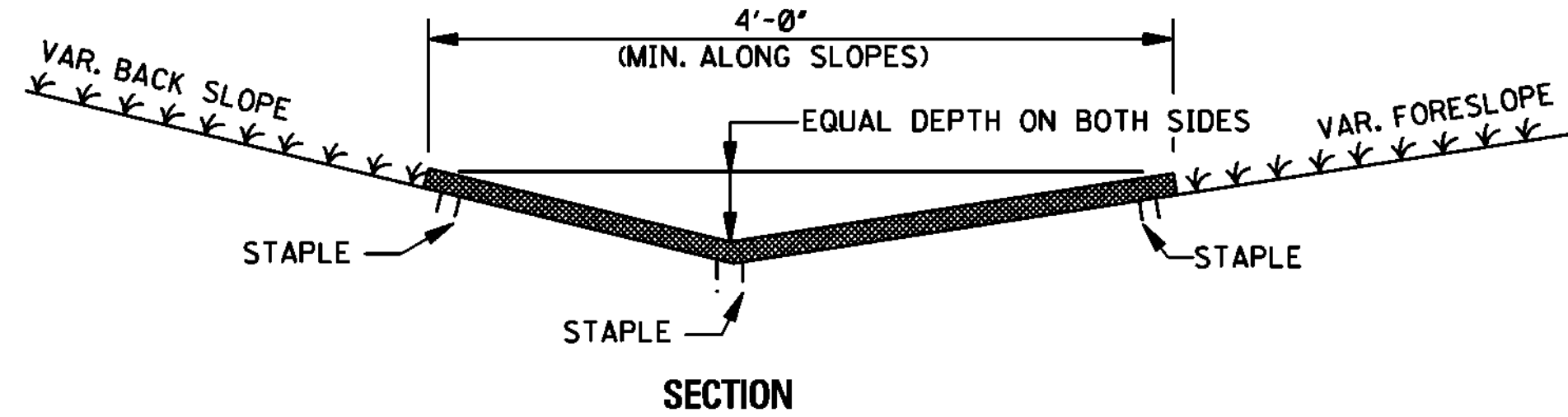
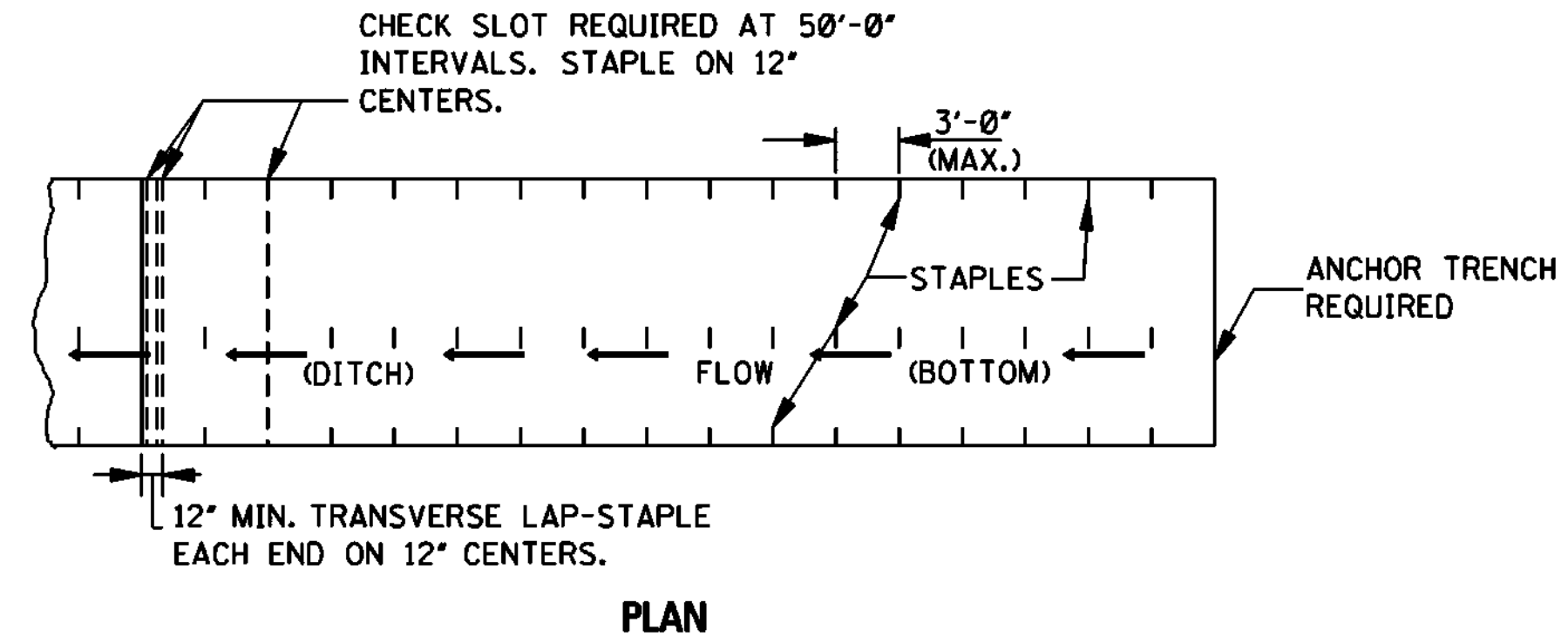
CONCRETE PAVED DITCH

- NOTES:
1. CONCRETE PAVED DITCHES SHALL BE GROOVED AT 20'-0" INTERVALS. THE GROOVES SHALL BE CUT TO A DEPTH OF NOT LESS THAN 1".
 2. DIMENSIONS D & W ARE AS FOLLOWS:
D(MINIMUM) = 6"
D(NOMINAL) = 9"
W(MINIMUM) = 24"
 3. 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.



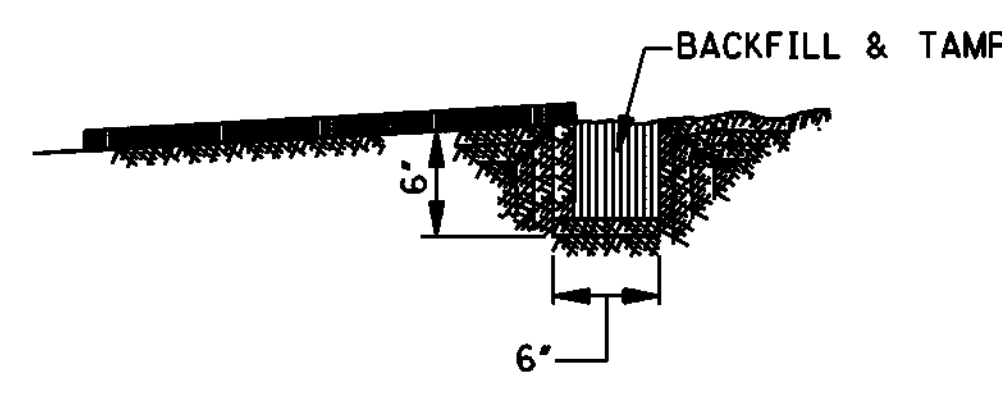
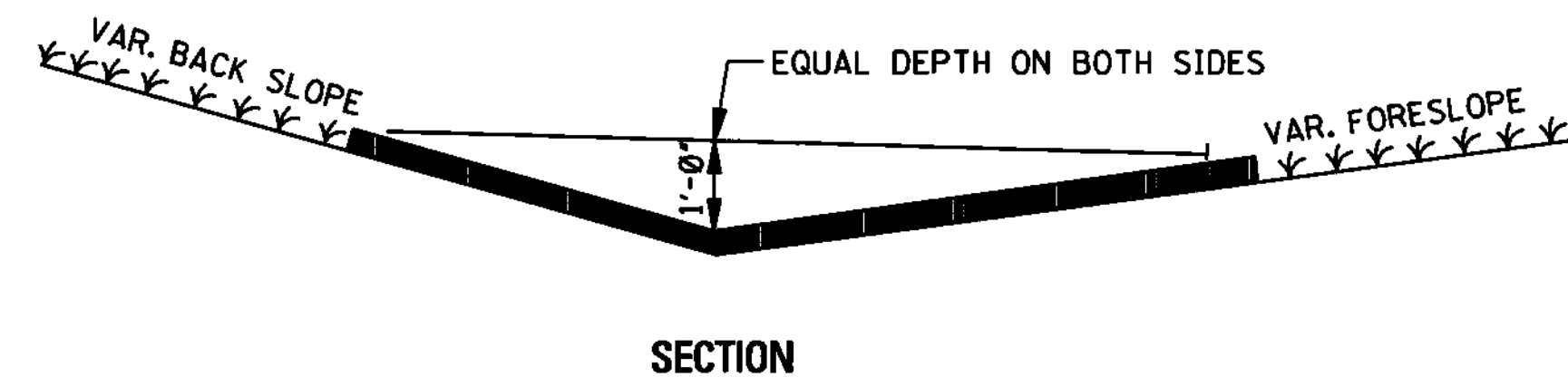
ANCHOR TRENCH DETAIL

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)

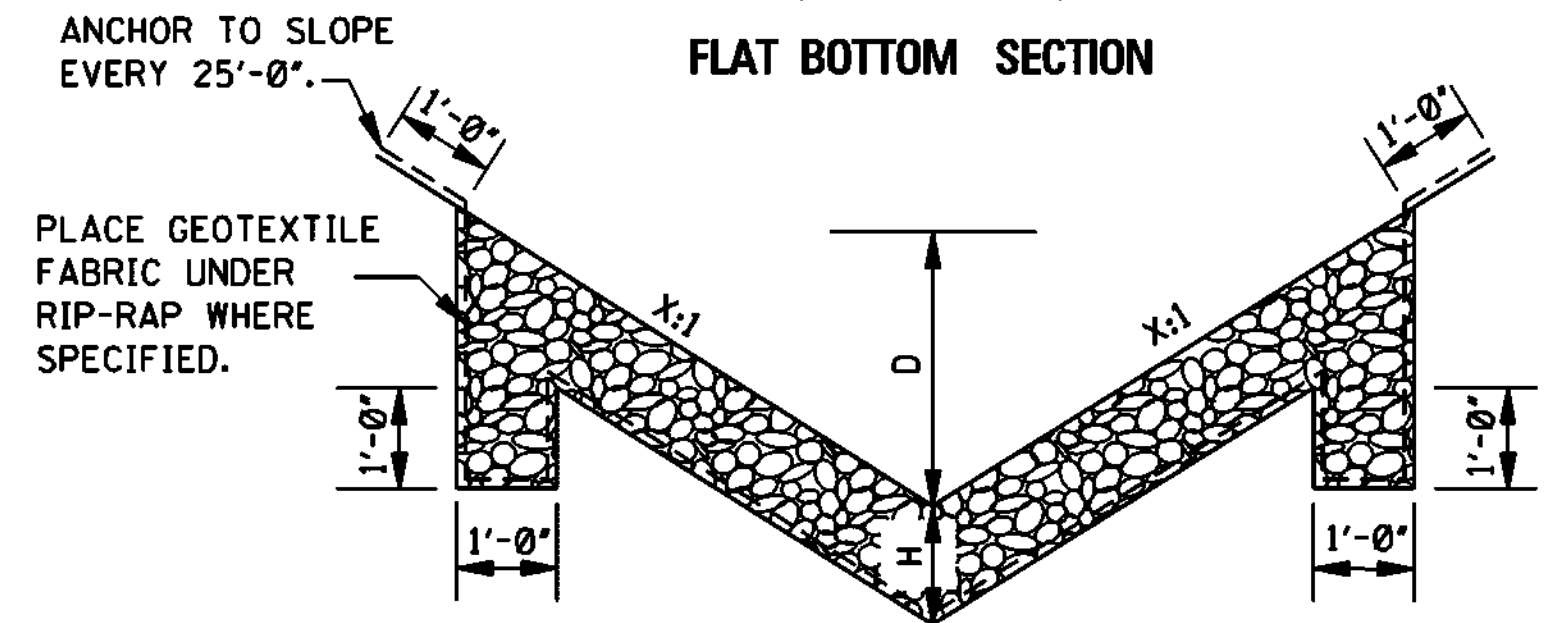
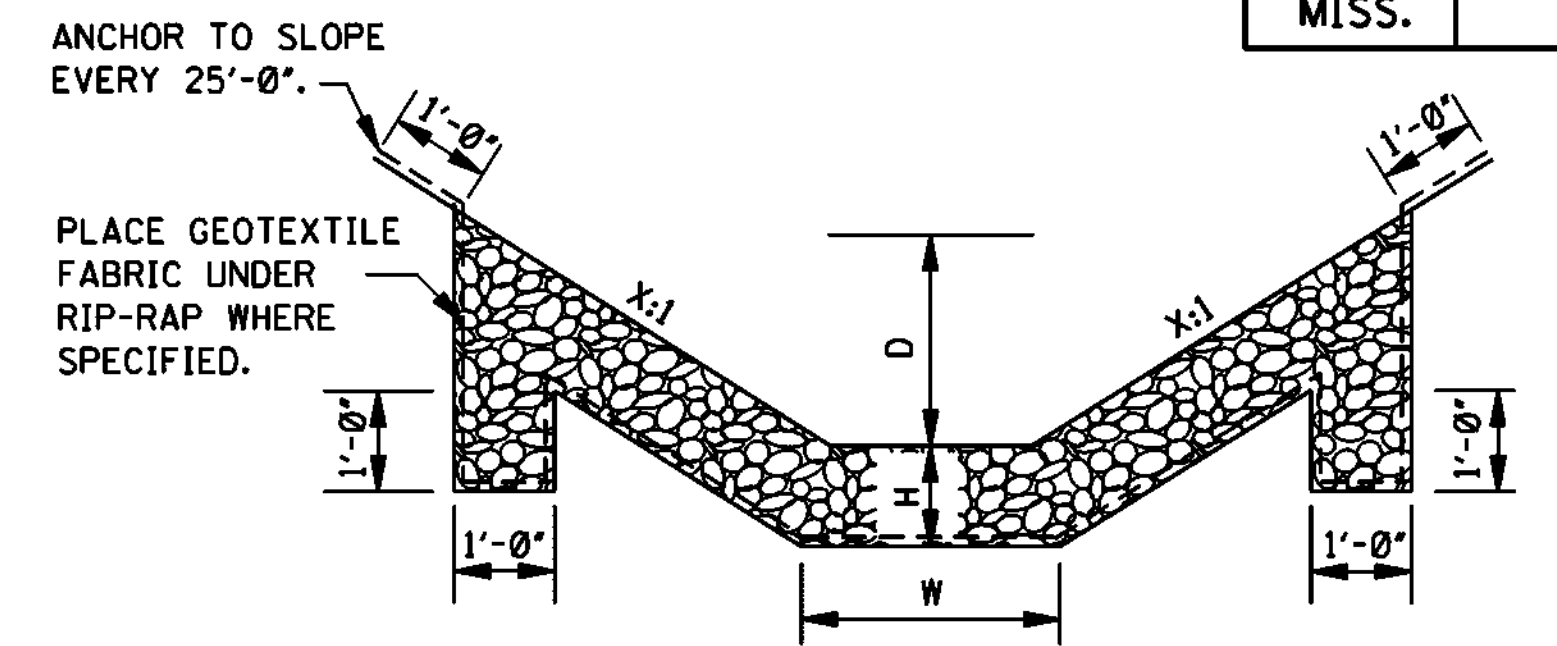
NOTE: DITCHES TREATED WITH DITCH LINER WILL BE VEGETATED PRIOR TO TREATMENT, UNLESS OTHERWISE INDICATED.



SLOT DETAIL

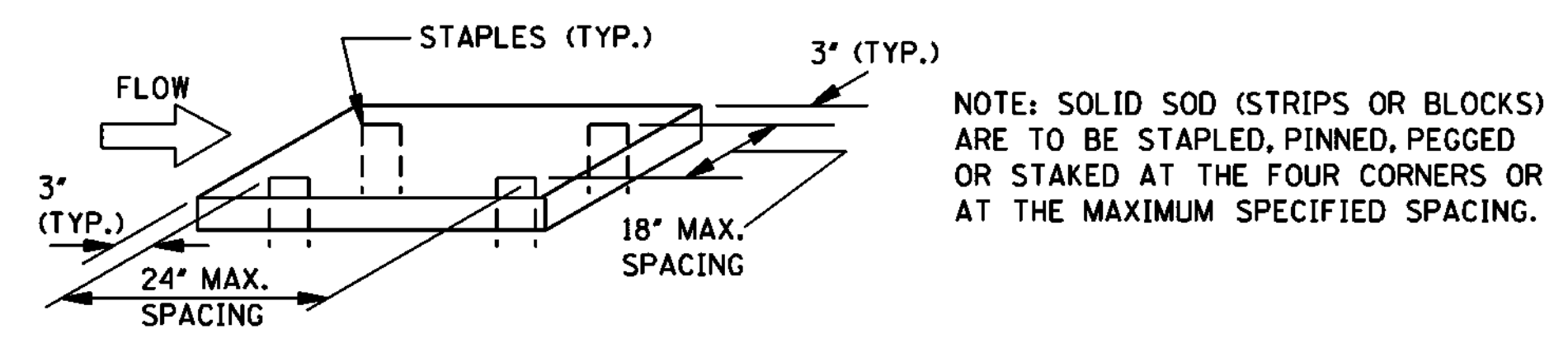
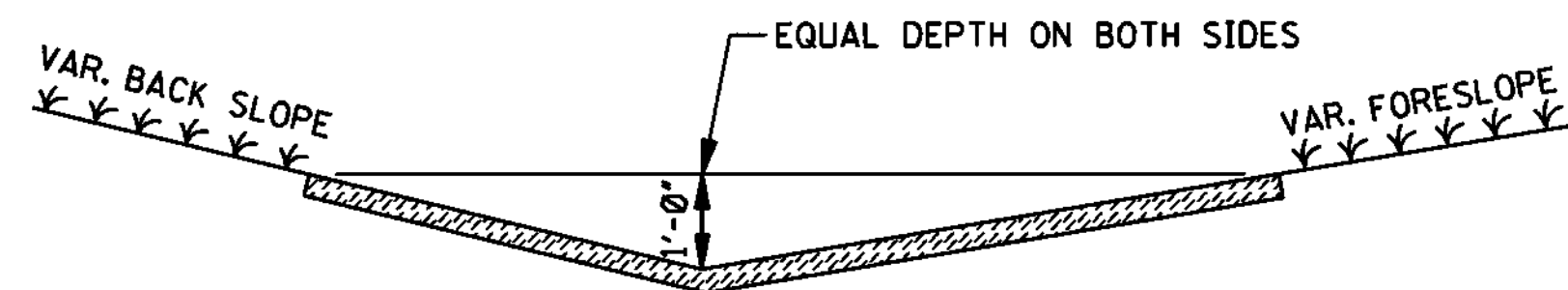
BITUMINOUS TREATED ROVING

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.



- RIP-RAP TREATMENT**
- NOTES:
1. DIMENSIONS D, W AND X ARE VARIABLE AND ARE SHOWN ELSEWHERE ON THE PLANS.
 2. THE RIP-RAP SIZE AND MINIMUM DEPTH "H" FOR RIP-RAP TREATMENT ARE AS FOLLOWS.

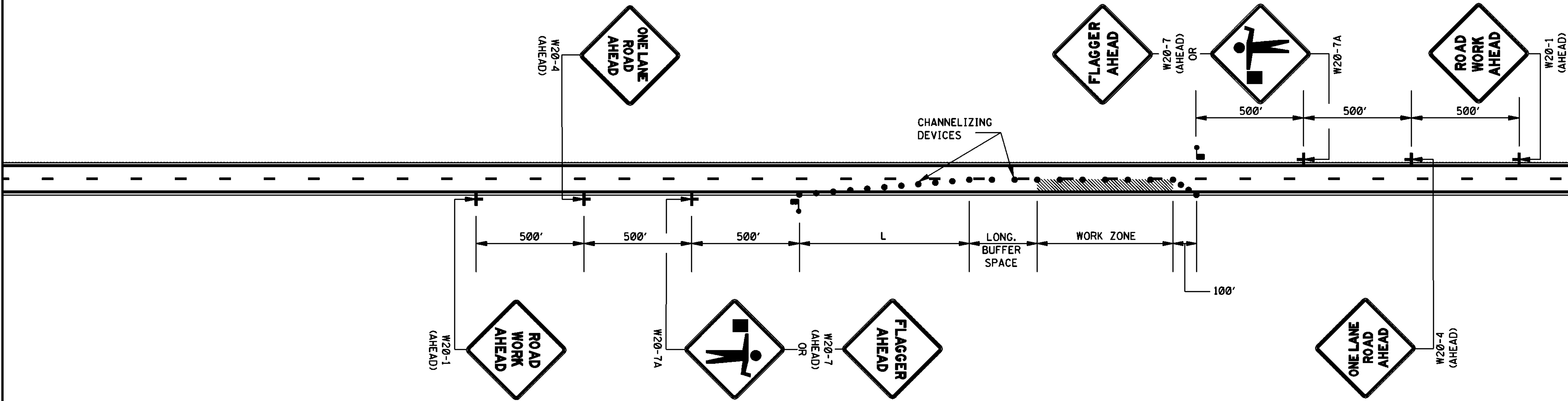
RIP-RAP SIZE & MINIMUM DEPTH "H"	
H (in)	RIP-RAP SIZE (lbs)
12"	100
18"	300



- GENERAL NOTE:
1. 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		DETAILS OF TYPICAL DITCH TREATMENTS	
DATE		ISSUE DATE: OCTOBER 1, 1998	
		WORKING NUMBER DT-1	
		SHEET NUMBER 6145	



LEGEND

- FLAGGER
- CHANNELIZING DEVICES

GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:

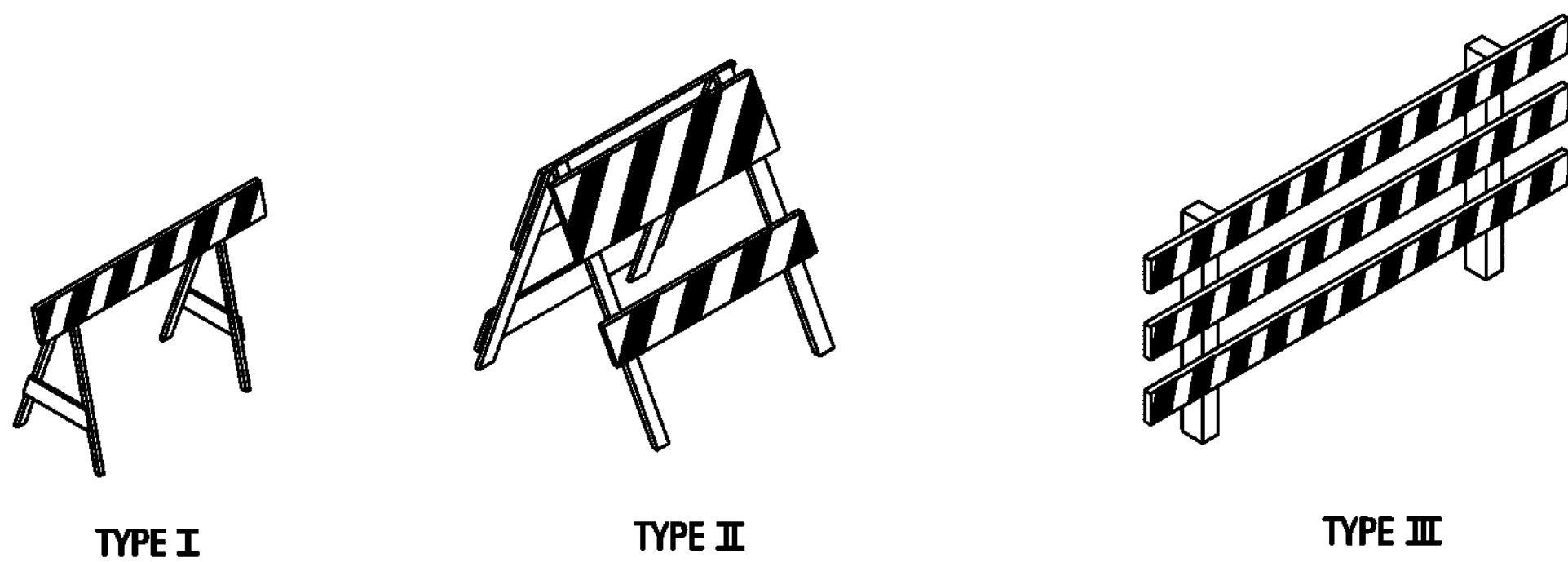
POSTED SPEED AND/OR DESIGN SPEED	MAXIMUM CHANNELIZING DEVICE SPACING (ft†)		MINIMUM LONGITUDINAL BUFFER SPACE (ft†)	TAPER † RATES
	TAPER	ALONG LANE LINE & WORK ZONE		
mph				
≤40	40	80	170	27:1
45	45	90	220	45:1
50	50	100	280	50:1
55	55	110	335	55:1
60	60	120	415	60:1
65	65	130	485	65:1
70	70	140	575	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

- ALL CHANNELIZING DEVICES SHALL BE A MINIMUM OF 24" IN HEIGHT.
- 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.
- DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 48" x 48".
- 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.
- 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.

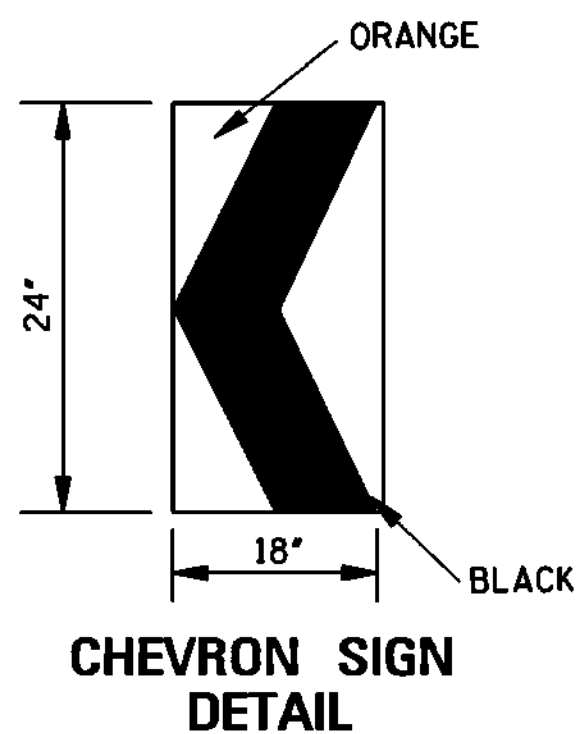
				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
				REVISION		
				DATE	ISSUE DATE: <u>OCTOBER 1, 1998</u>	
					WORKING NUMBER TCP-1	
					SHEET NUMBER 6250	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

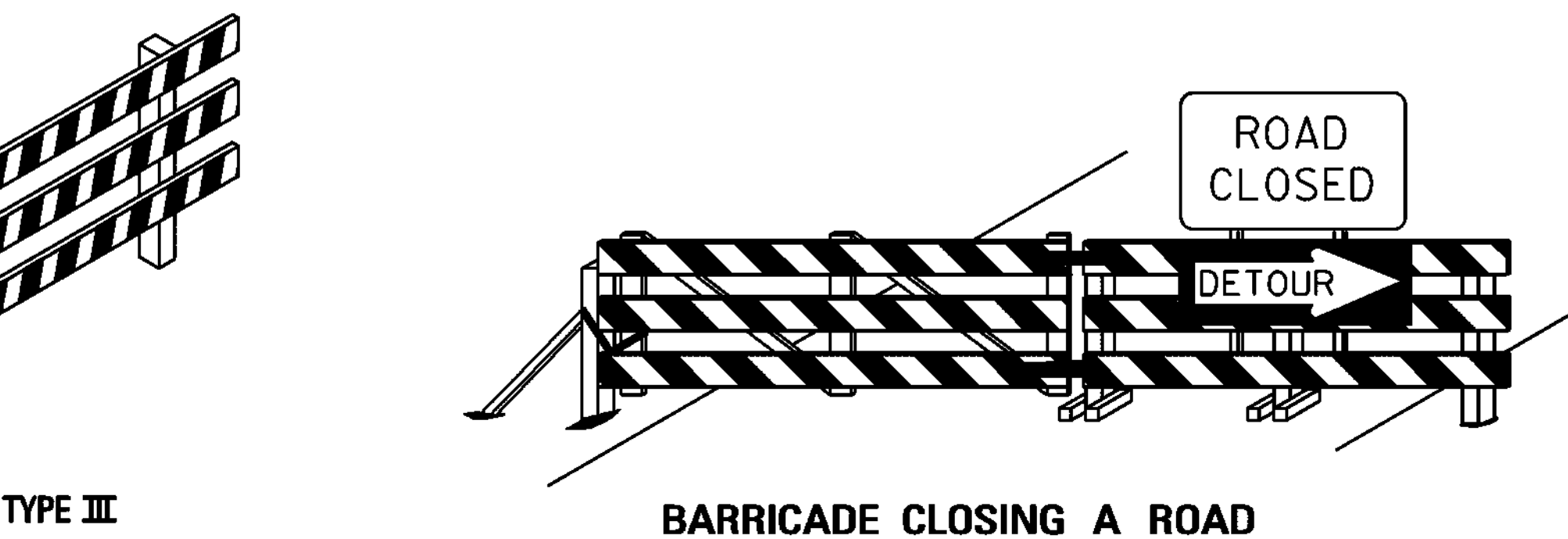


STANDARD BARRICADES

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.



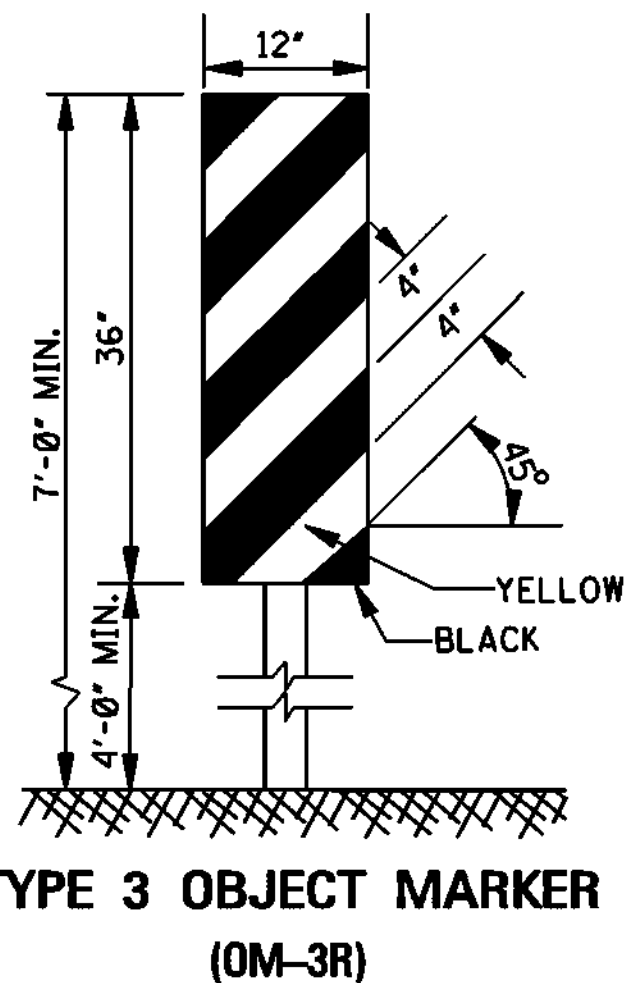
1. A CHEVRON SIGN CONSISTS OF A BLACK CHEVRON TYPE MARKING ON AN ORANGE BACKGROUND AND SHALL POINT IN THE DIRECTION OF TRAFFIC FLOW.
2. THE CHEVRON SIGN SHALL BE MOUNTED ON FIXED POST OR RIGID SKID.
3. CHEVRON SIGNS MAY BE USED TO SUPPLEMENT OTHER STANDARD DEVICES WHERE ONE OR MORE LANES ARE CLOSED FOR CONSTRUCTION OR MAINTENANCE. THEY SHALL BE PLACED APPROXIMATELY 2'-0" BEHIND THE LANE TRANSITION STRIPE.



BARRICADE CHARACTERISTICS

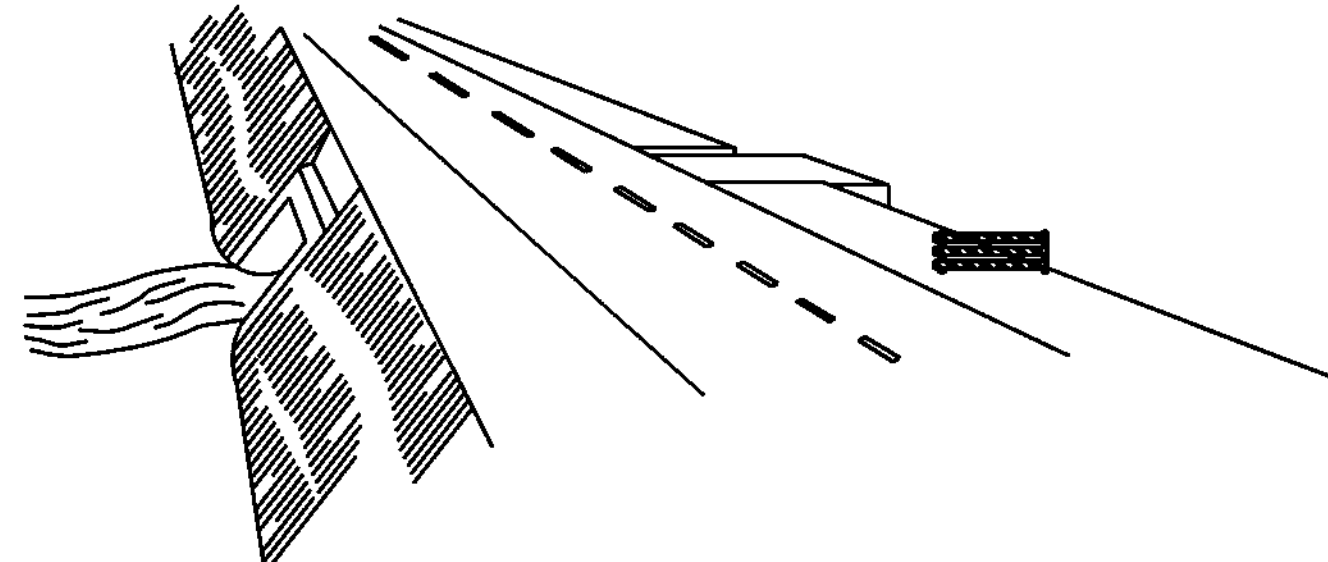
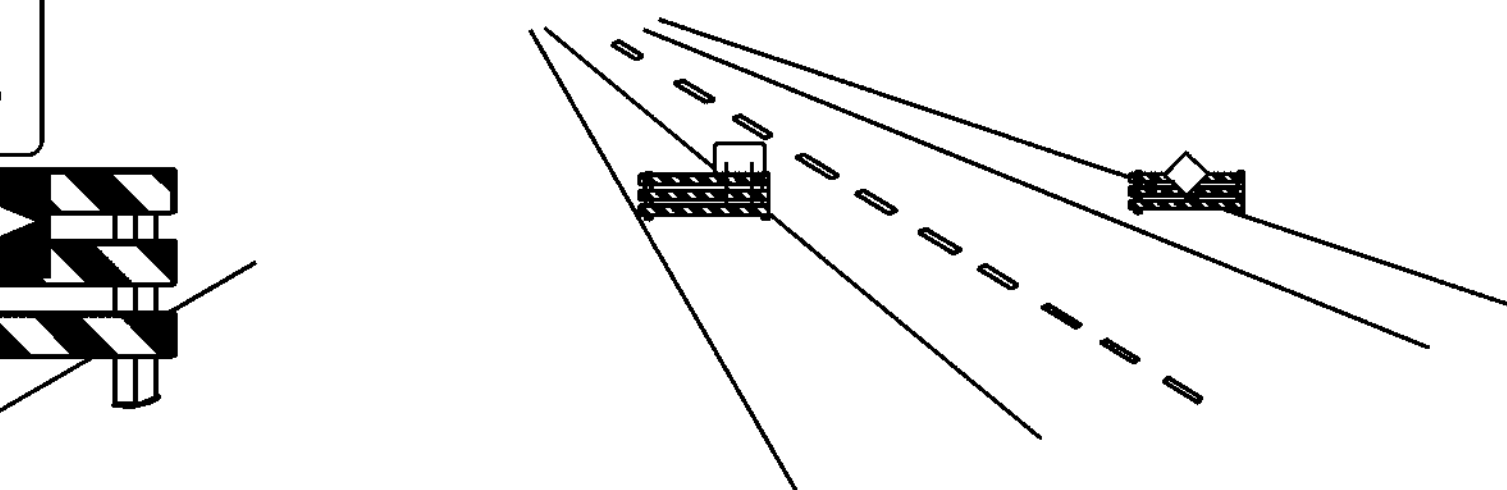
	I	II	III
WIDTH OF RAIL **	8" MIN. - 12" MAX.	8" MIN. - 12" MAX.	8" MIN. - 12" MAX.
LENGTH OF RAIL **	24" MIN.	24" MIN.	48" MIN.
WIDTH OF STRIPE *	6"	6"	6"
HEIGHT	36" MIN.	36" MIN.	60" MIN.
NUMBER OF REFLECTORIZED RAIL FACES	2 (ONE EACH DIRECTION)	4 (TWO EACH DIRECTION)	3 IF FACING TRAFFIC IN ONE DIRECTION 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.



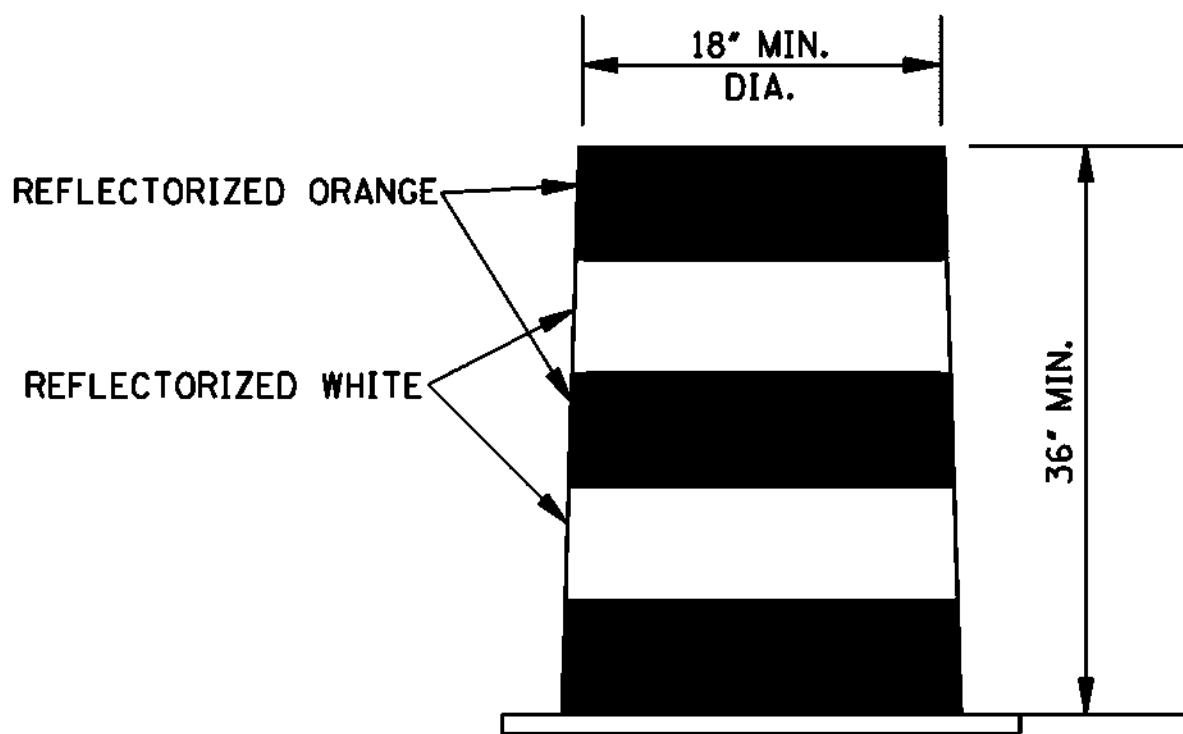
TYPE 3 OBJECT MARKER (OM-3R)

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.



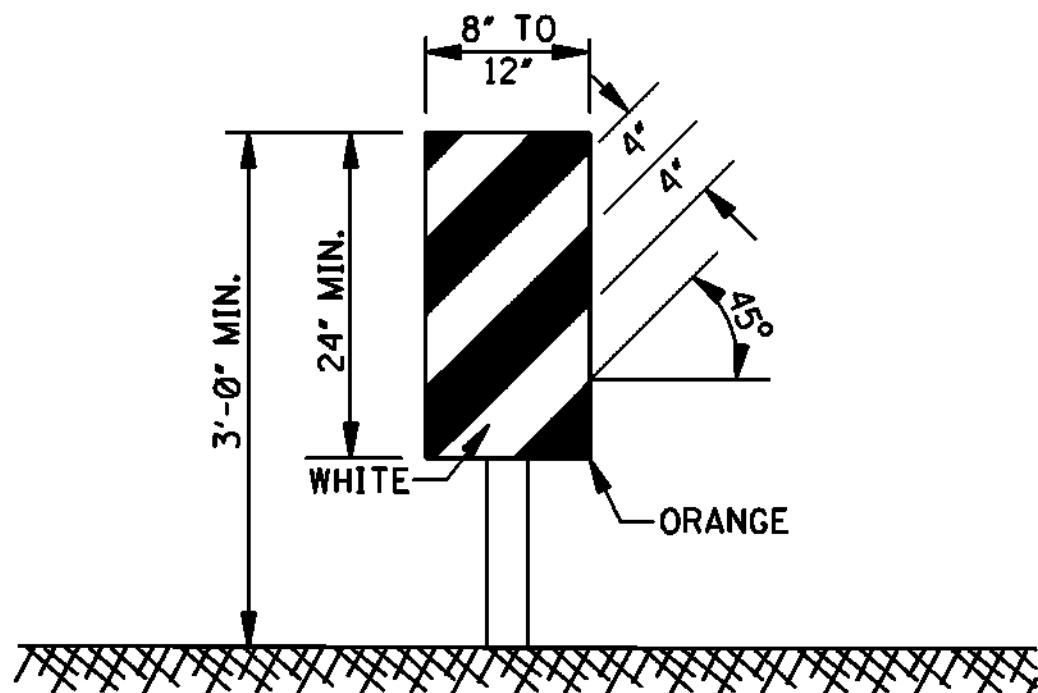
WING BARRICADES

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.



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.

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
REVISION		HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	
DATE		ISSUE DATE: <u>OCTOBER 1, 1998</u>	
		WORKING NUMBER TCP-10	
		SHEET NUMBER 6259	

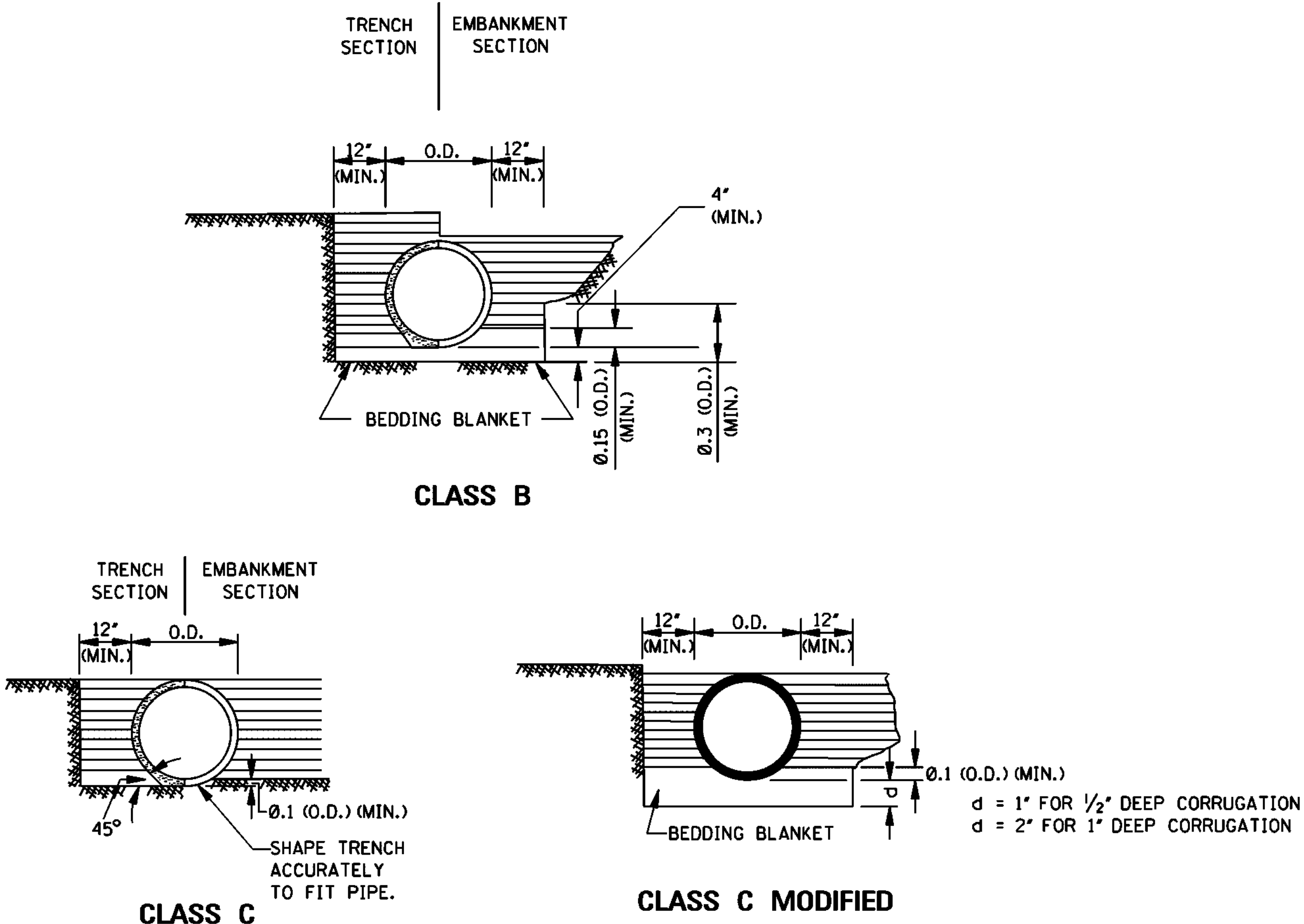
CORRUGATED STEEL AND ALUMINUM PIPE (ROUND) H-20 LOADING						
PIPE DIAMETER (in)	MINIMUM COVER FROM TOP OF PIPE TO TOP OF SUBGRADE (in)	MAXIMUM FILL HEIGHT ABOVE TOP OF PIPE (ft)				
		SHEET THICKNESS (in)				
		0.064 STEEL 0.060 ALUM. 16 GAGE	0.079 STEEL 0.075 ALUM. 14 GAGE	0.109 STEEL 0.105 ALUM. 12 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).

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
				2 ² / ₃ x 1/2" CORRUGATION RIVETED, WELDED OR HELICAL			2 ² / ₃ x 1/2" 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"	3 ¹ / ₂ "	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.



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'

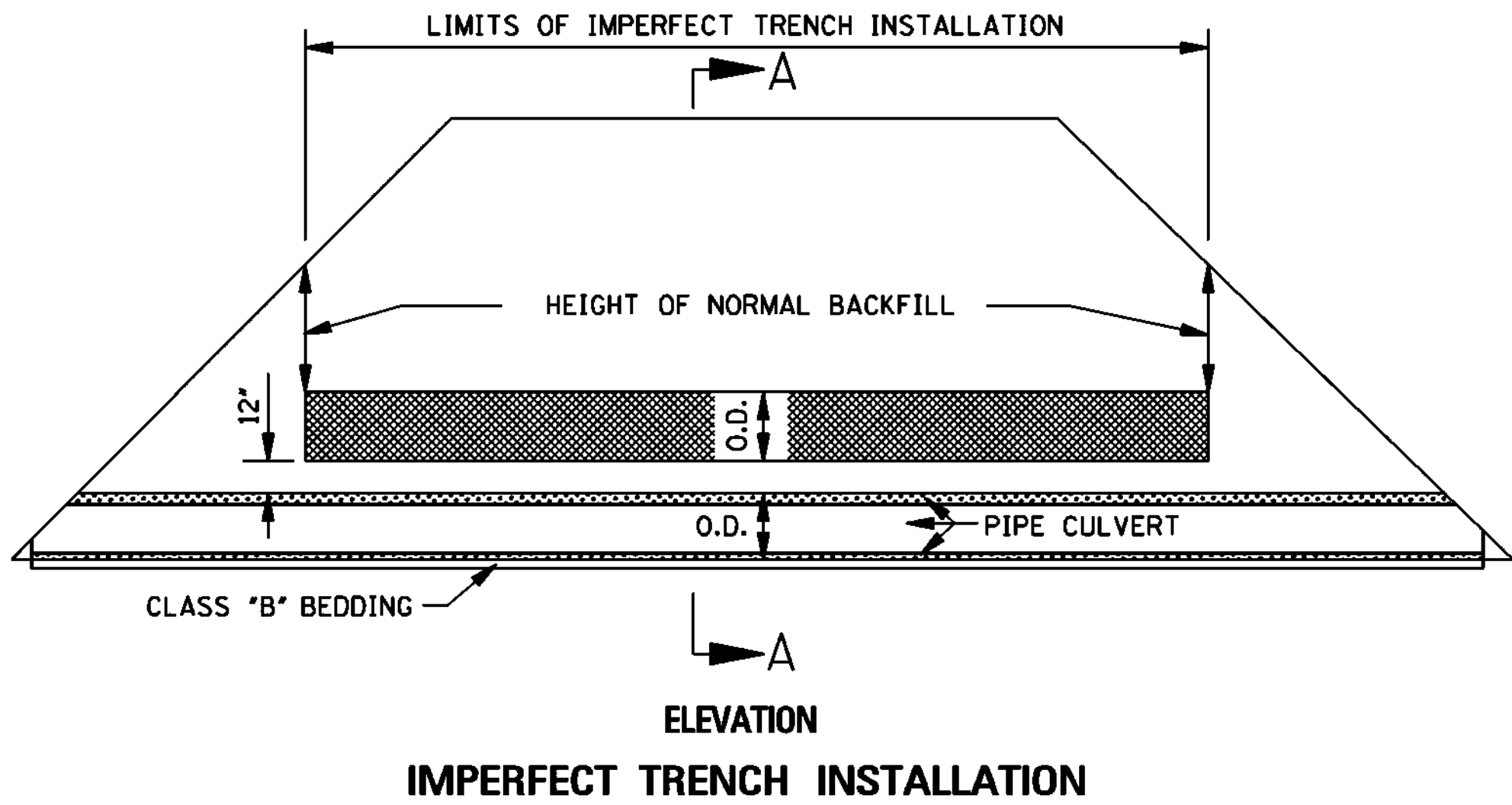
NOTE: CLASS OF PIPE AND BEDDING TO BE CONSISTENT THROUGHOUT THE PIPE LENGTH.

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 B _d (in)	SAND & GRAVEL	DAMP CLAY	PROJECTING POSITIVE p= 0.7; R _{sd} = 0.7
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.



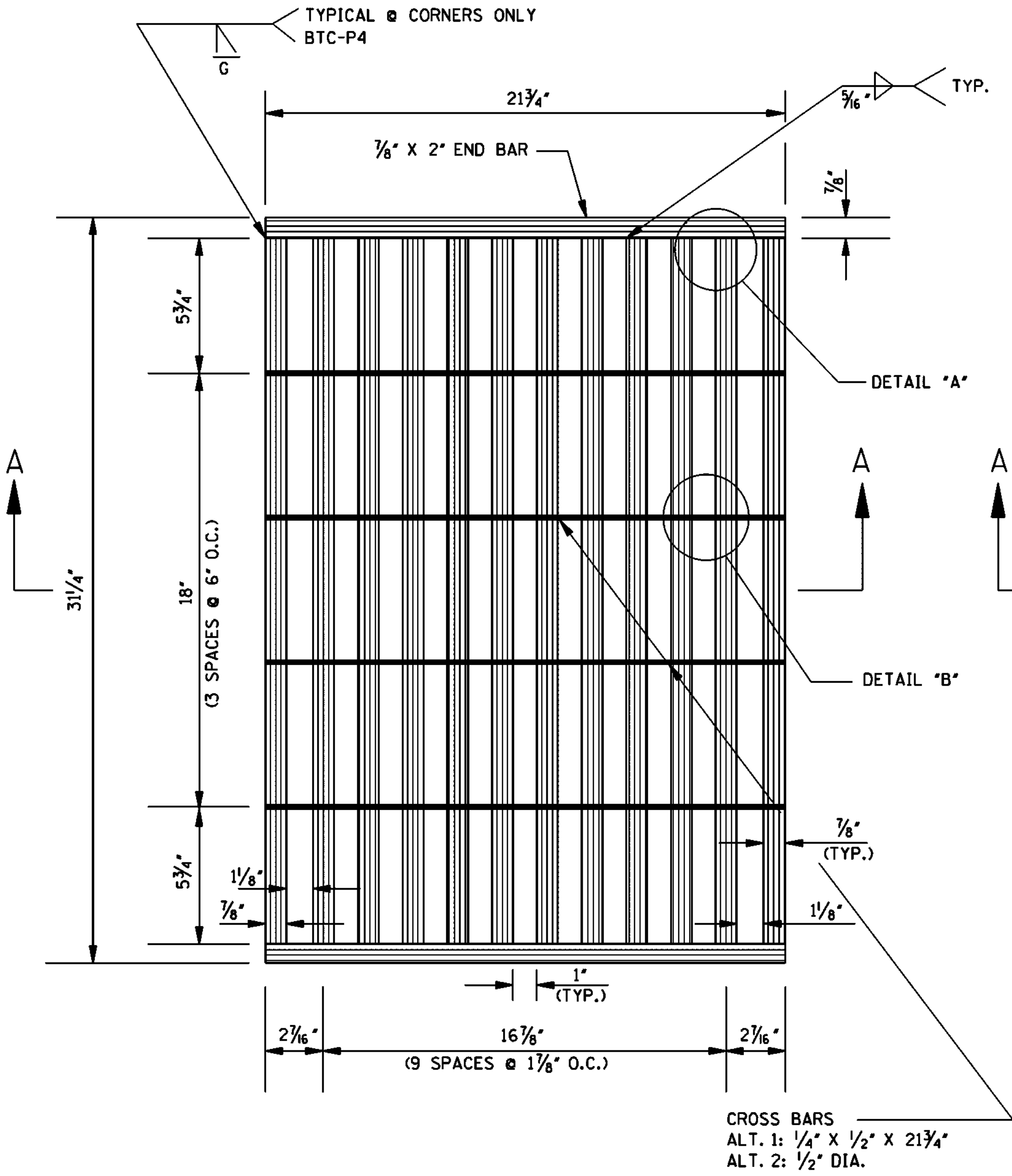
				BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
				REVISION		
				DATE	ISSUE DATE: OCTOBER 1, 1998	
					PIPE CULVERT INSTALLATION MISSISSIPPI DEPARTMENT OF TRANSPORTATION WORKING NUMBER PI-1 SHEET NUMBER 6300	

GRATE NO. 1 – ALTERNATE #1

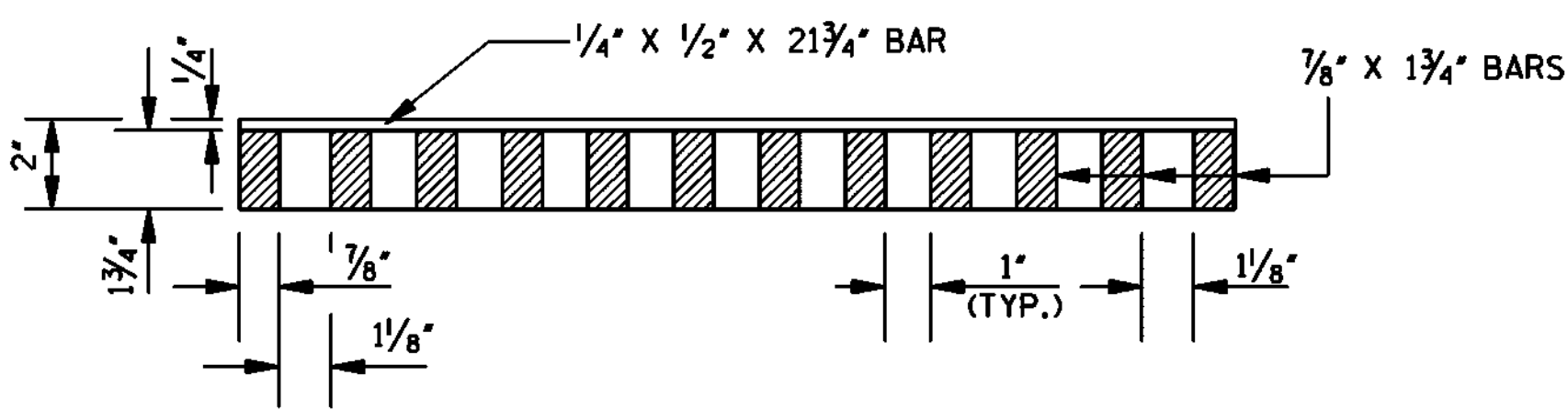
GRATE NO. 1 – ALTERNATE #2

GRATE NO. 2

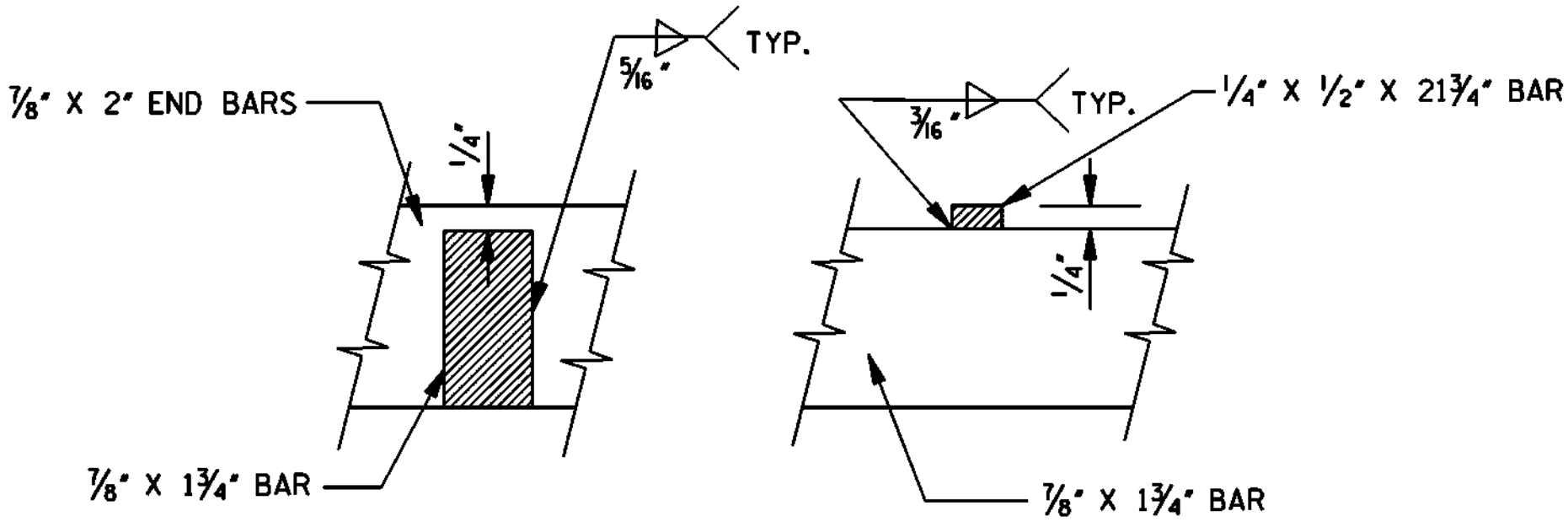
STATE	PROJECT NO.
MISS.	



PLAN



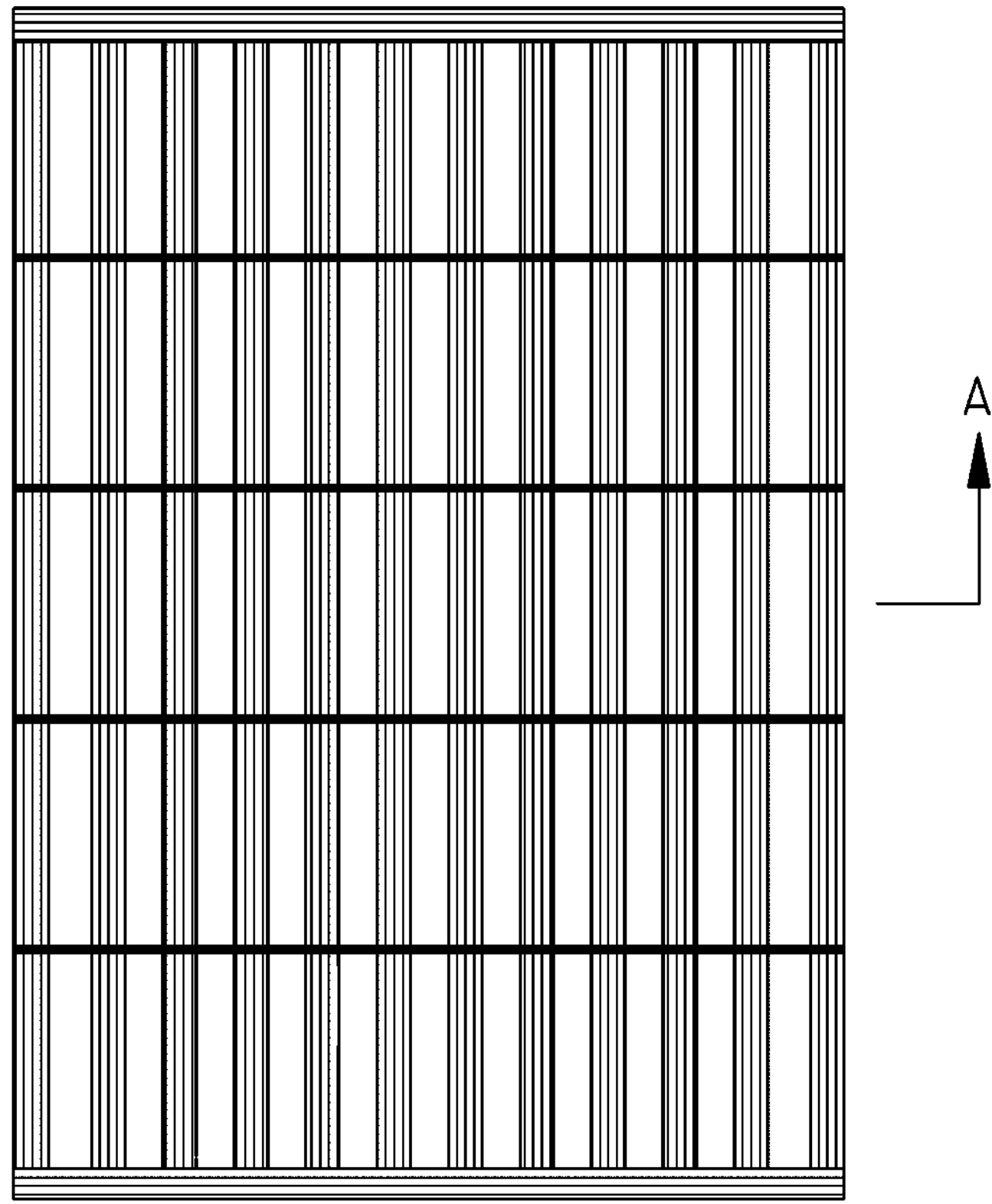
SECTION A-A



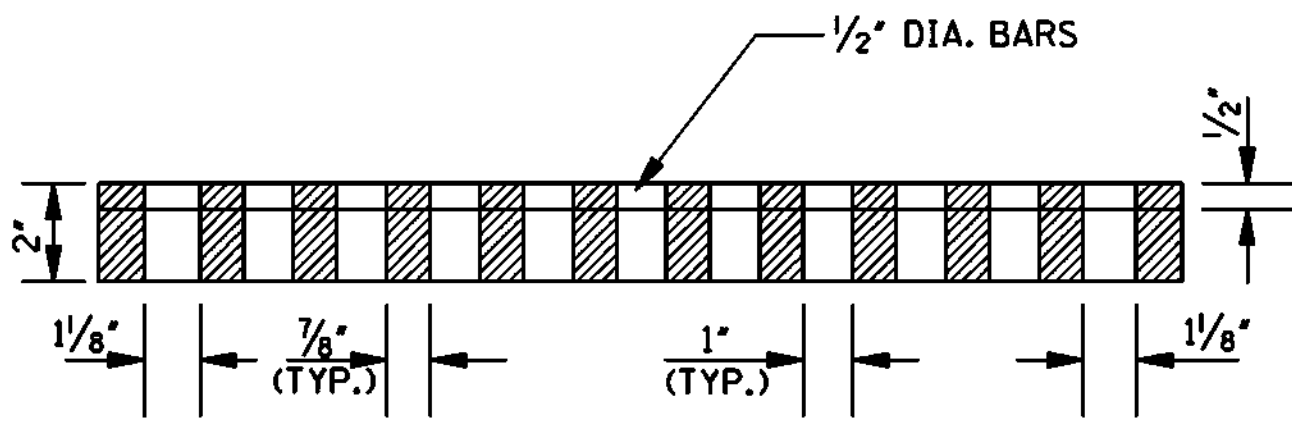
DETAIL A

DETAIL B

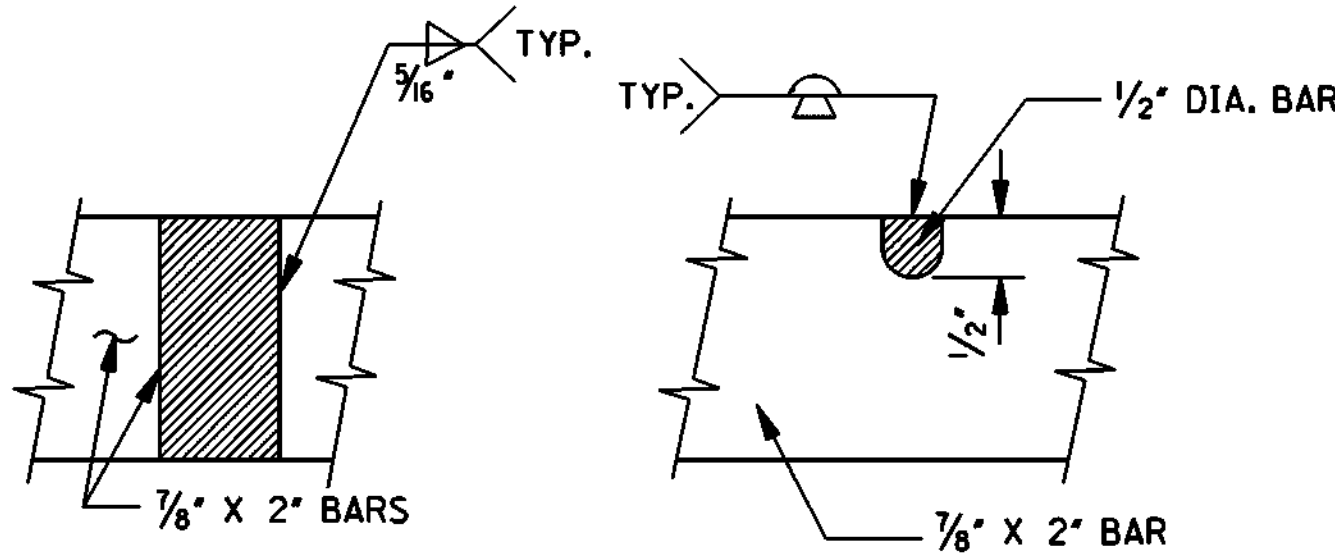
NOTE: PLAN DIMENSIONS FOR ALTERNATE #2
ARE IDENTICAL TO THAT OF ALTERNATE #1
AS SHOWN ON THE FIGURE AT LEFT.



PLAN

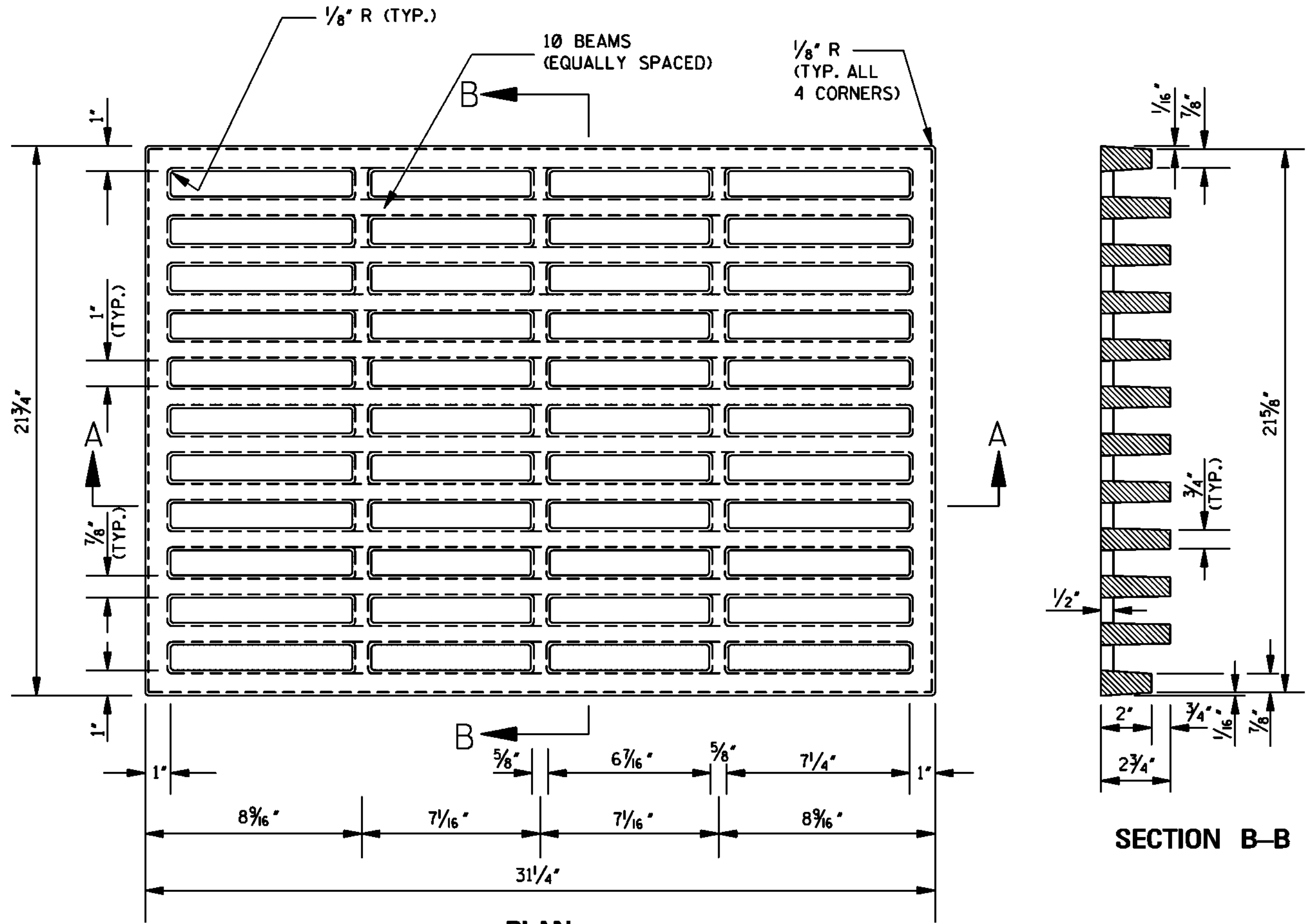


SECTION A-A



DETAIL A

DETAIL B



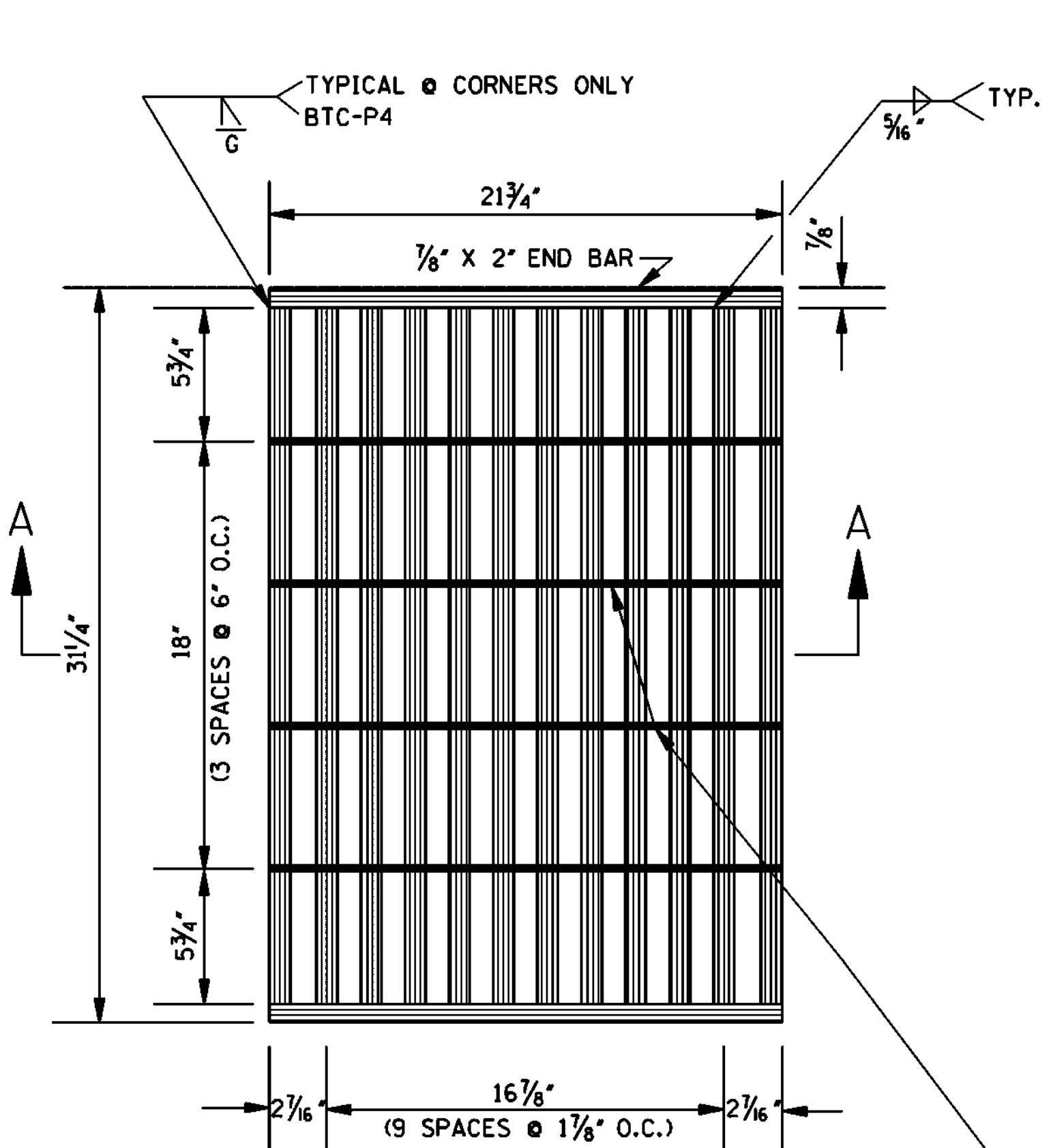
PLAN

SECTION A-A

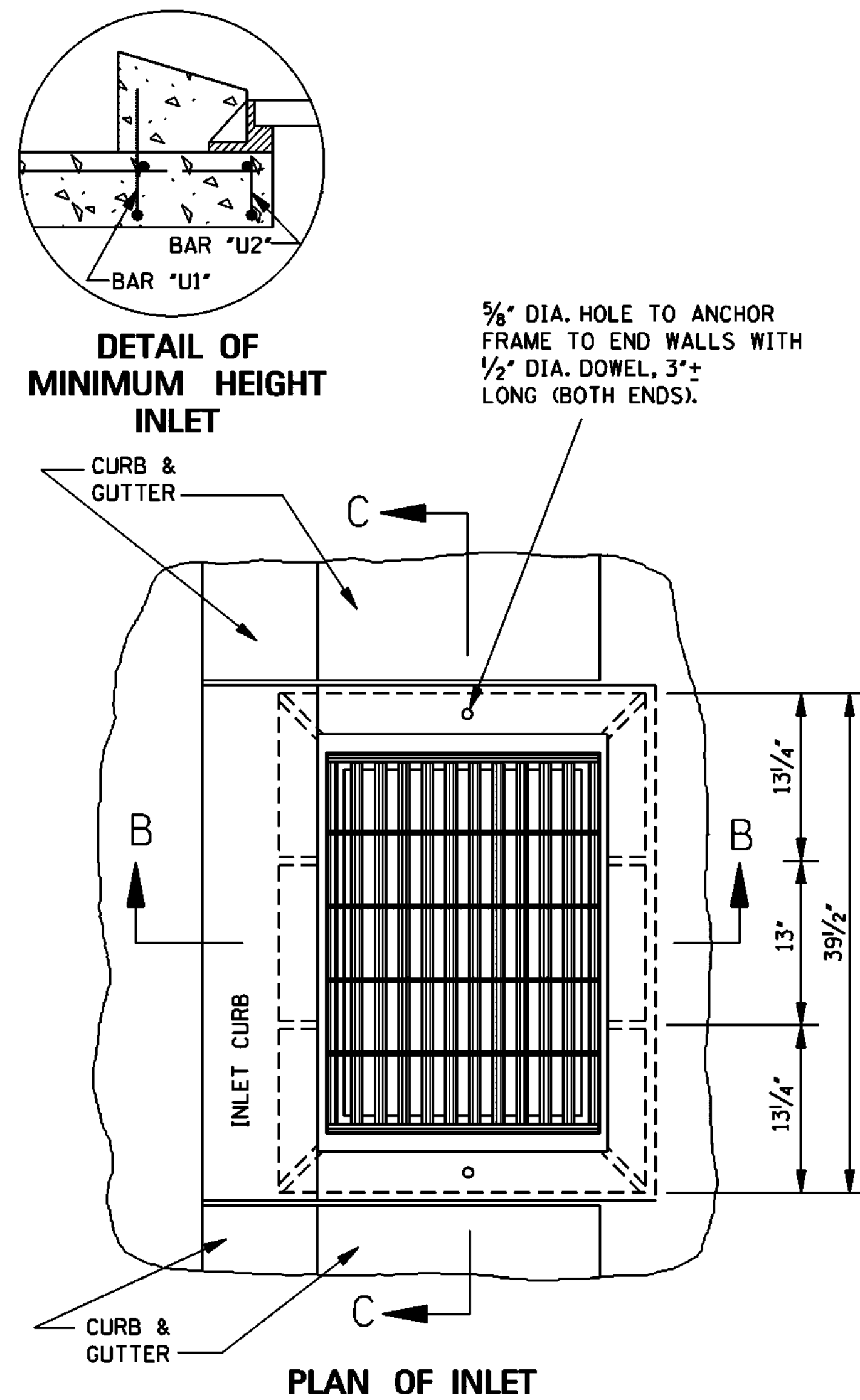
GENERAL NOTES:

1. BASIS OF PAYMENT WILL BE 200 lbs OF GRATING FOR EITHER GRATE.
2. GRATE NO. 1
THE GRATE MAY BE WELDED STEEL (ASTM A 588) OR STEEL CASTING (AASHTO M 192, CLASS 90).
3. GRATE NO. 2
THE GRATE SHALL BE DUCTILE IRON (ASTM A 536, GRADE 80-55-06).

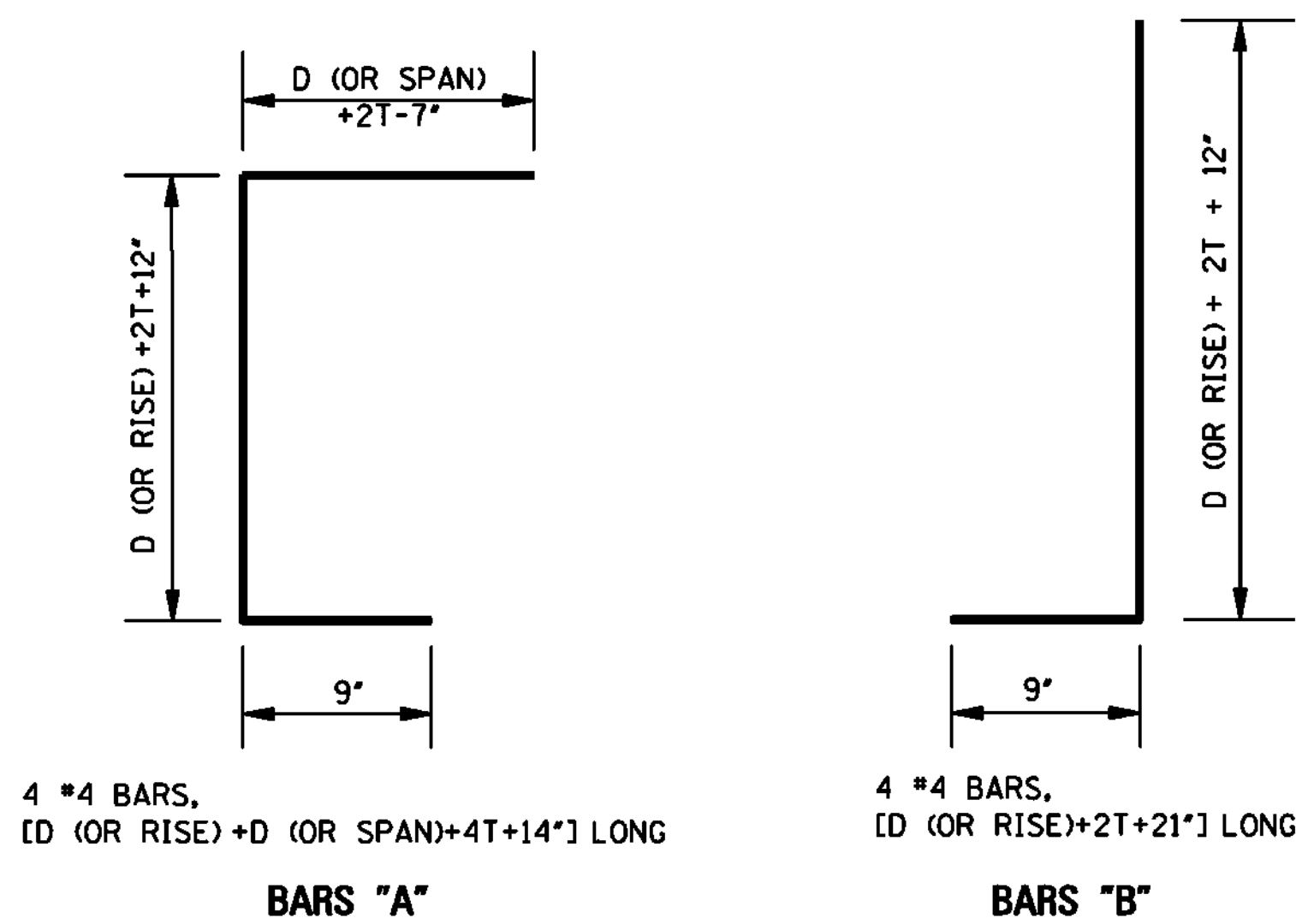
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN			
DETAILS OF GRATES FOR GUTTER INLETS			
WORKING NUMBER IG-2			
SHEET NUMBER 6315			
ISSUE DATE: OCTOBER 1, 1998			



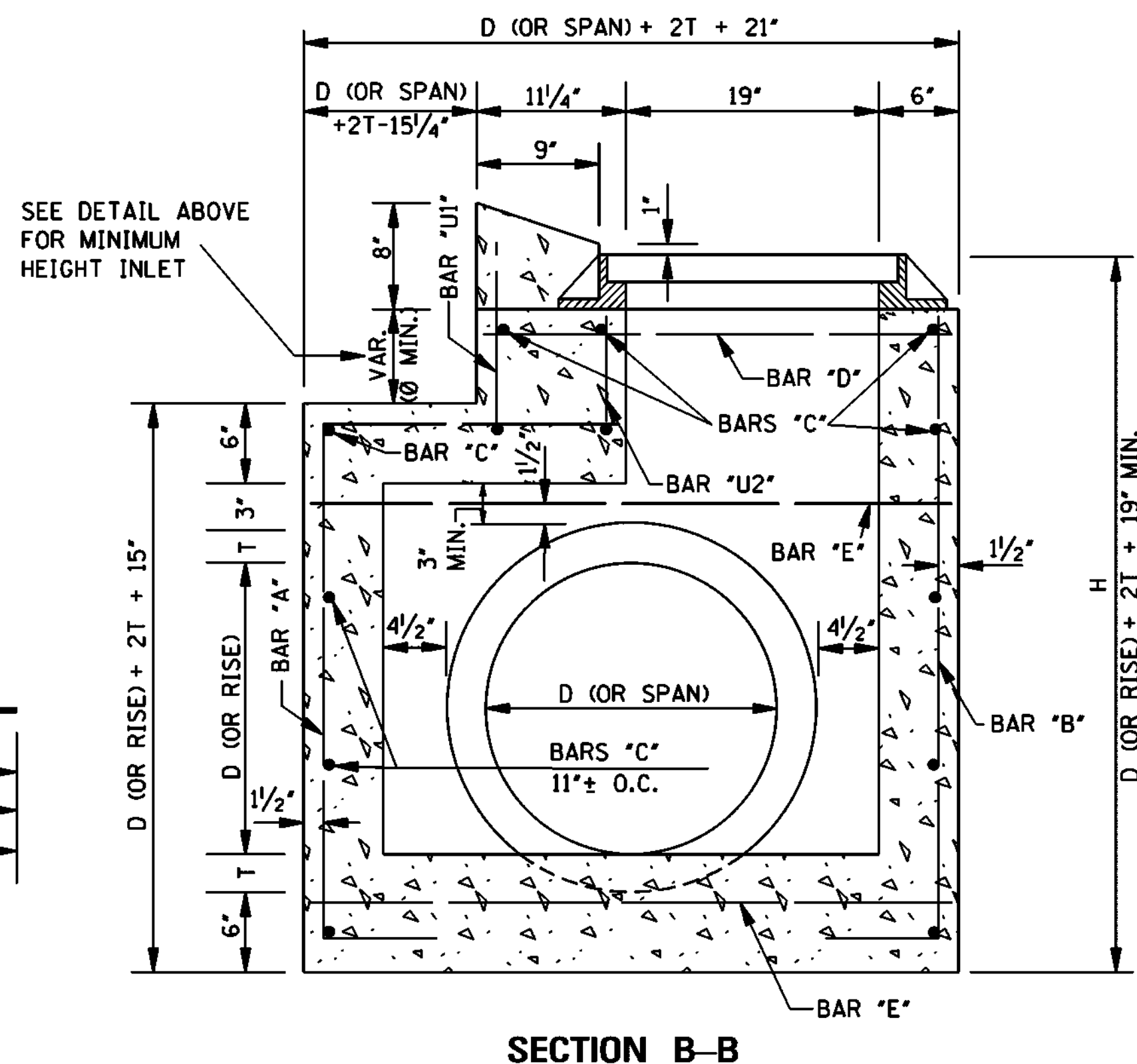
PLAN OF GRATE NO.1
NOTE: FOR OTHER GRATE DETAILS SEE SHEET IG-2.



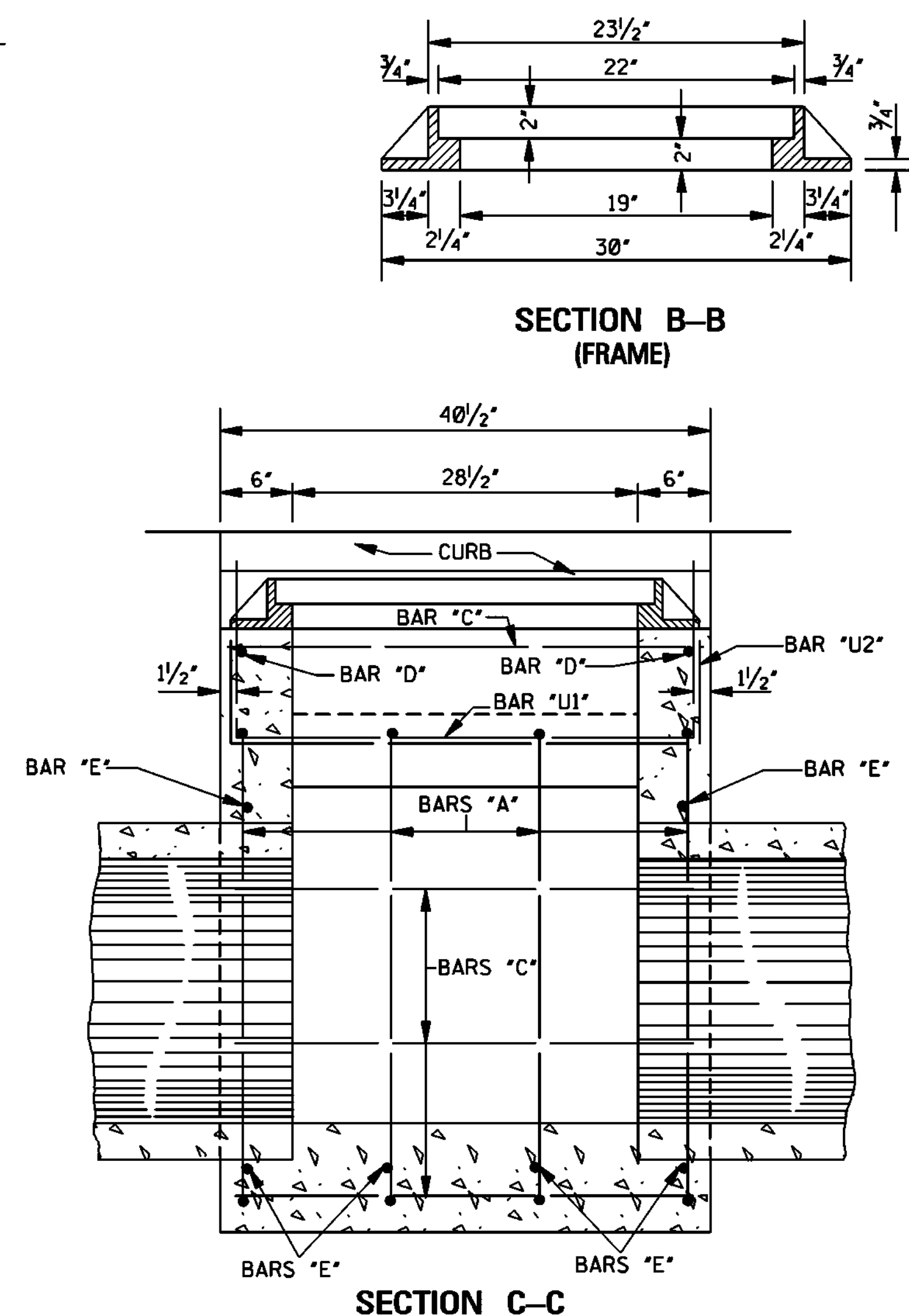
PLAN OF INLET



BAR DETAILS



SECTION B-B



SECTION C-C

QUANTITIES

PIPE SIZE	MIN. DEPTH TO F.L.	MIN. DEPTH INLET		PIPE OPENING DEDUCTION (yd ³)	T	BARS/SIZES						
		CONC. (yd ³)	STEEL (lbs)			*A*	*B*	*C*	*D*	*E*	*U1*	*U2*
						A #4	*B* #4	*C* #4	*D* #4	*E* #4	*U1* #4	*U2* #4
						NO. @ LGTH.	NO. @ LGTH.	NO. @ LGTH.	NO. @ LGTH.	NO. @ LGTH.	NO. @ LGTH.	NO. @ LGTH.
18"	2.792'	0.973	67	0.053	2½"	4 @ 5'-0"	4 @ 3'-8"	10 @ 3'-1½"	2 @ 2'-9"	6 @ 3'-5"	1 @ 4'-11½"	1 @ 3'-9½"
24"	3.333'	1.259	78	0.091	3"	4 @ 6'-2"	4 @ 4'-3"	12 @ 3'-1½"	2 @ 2'-9"	6 @ 4'-0"	1 @ 4'-11½"	1 @ 3'-9½"
30"	3.875'	1.574	88	0.138	3½"	4 @ 7'-4"	4 @ 4'-10"	13 @ 3'-1½"	2 @ 2'-9"	6 @ 4'-7"	1 @ 4'-11½"	1 @ 3'-9½"
36"	4.417'	1.918	101	0.196	4"	4 @ 8'-6"	4 @ 5'-5"	16 @ 3'-1½"	2 @ 2'-9"	6 @ 5'-2"	1 @ 4'-11½"	1 @ 3'-9½"
42"	4.958'	2.292	112	0.263	4½"	4 @ 9'-8"	4 @ 6'-0"	18 @ 3'-1½"	2 @ 2'-9"	6 @ 5'-9"	1 @ 4'-11½"	1 @ 3'-9½"
48"	5.500'	2.695	121	0.340	5"	4 @ 10'-10"	4 @ 6'-7"	19 @ 3'-1½"	2 @ 2'-9"	6 @ 6'-4"	1 @ 4'-11½"	1 @ 3'-9½"
54"	6.042'	3.128	132	0.427	5½"	4 @ 12'-0"	4 @ 7'-2"	21 @ 3'-1½"	2 @ 2'-9"	6 @ 6'-11"	1 @ 4'-11½"	1 @ 3'-9½"
60"	6.583'	3.591	146	0.524	6"	4 @ 13'-2"	4 @ 7'-9"	24 @ 3'-1½"	2 @ 2'-9"	6 @ 7'-6"	1 @ 4'-11½"	1 @ 3'-9½"
66"	7.125'	4.082	159	0.630	6½"	4 @ 14'-4"	4 @ 8'-4"	27 @ 3'-1½"	2 @ 2'-9"	6 @ 8'-1"	1 @ 4'-11½"	1 @ 3'-9½"
72"	7.667'	4.604	168	0.747	7"	4 @ 15'-6"	4 @ 8'-11"	28 @ 3'-1½"	2 @ 2'-9"	6 @ 8'-8"	1 @ 4'-11½"	1 @ 3'-9½"
22" X 13"	2.417'	0.991	67	0.053	2½"	4 @ 4'-11½"	4 @ 3'-3½"	10 @ 3'-1½"	2 @ 2'-9"	6 @ 3'-9"	1 @ 4'-11½"	1 @ 3'-9½"
29" X 18"	2.833'	1.222	82	0.087	3"	4 @ 6'-1½"	4 @ 3'-9"	13 @ 3'-1½"	2 @ 2'-9"	6 @ 4'-5"	1 @ 4'-11½"	1 @ 3'-9½"
36" X 23"	3.250'	1.537	90	0.129	3½"	4 @ 7'-3"	4 @ 4'-2½"	14 @ 3'-1½"	2 @ 2'-9"	6 @ 5'-1½"	1 @ 4'-11½"	1 @ 3'-9½"
44" X 27"	3.667'	1.877	97	0.185	4"	4 @ 8'-5"	4 @ 4'-8"	14 @ 3'-1½"	2 @ 2'-9"	6 @ 5'-10"	1 @ 4'-11½"	1 @ 3'-9½"
51" X 31"	4.068'	2.237	110	0.245	4½"	4 @ 9'-7"	4 @ 5'-1½"	17 @ 3'-1½"	2 @ 2'-9"	6 @ 6'-6"	1 @ 4'-11½"	1 @ 3'-9½"
58" X 36"	4.500'	2.637	120	0.318	5"	4 @ 10'-8½"	4 @ 5'-7"	18 @ 3'-1½"	2 @ 2'-9"	6 @ 7'-2½"	1 @ 4'-11½"	1 @ 3'-9½"
65" X 40"	4.875'	3.020	132	0.394	5½"	4 @ 11'-9"	4 @ 6'-0"	21 @ 3'-1½"	2 @ 2'-9"	6 @ 7'-10"	1 @ 4'-11½"	1 @ 3'-9½"
73" X 45"	5.333'	3.505	140	0.489	6"	4 @ 13'-0"	4 @ 6'-6"	21 @ 3'-1½"	2 @ 2'-9"	6 @ 8'-7"	1 @ 4'-11½"	1 @ 3'-9½"
88" X 54"	6.167'	4.504	163	0.688	7"	4 @ 15'-4"	4 @ 7'-5"	25 @ 3'-1½"	2 @ 2'-9"	6 @ 10'-0"	1 @ 4'-11½"	1 @ 3'-9½"

- NOTES: 1. NO PIPE OPENINGS HAVE BEEN DEDUCTED FROM QUANTITY SHOWN.
2. FOR EACH ADDITIONAL FOOT OF INLET HEIGHT, ADD 0.238 yd³ CLASS "B" CONCRETE AND 13 lbs REINFORCING STEEL.
3. 3 BARS "C" AND 2 BARS "D" REQUIRED PER EACH ADDITIONAL FOOT OF INLET HEIGHT. LENGTH OF BARS "B" WILL INCREASE WITH ADDITIONAL HEIGHT.
4. WEIGHT OF FRAME CASTING = 244 lbs.
WEIGHT OF GRATE = SEE SHEET IG-2.

GENERAL NOTES:

- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
- CONCRETE SHALL BE CLASS "B" CONCRETE AND REINFORCING STEEL SHALL BE DEFORMED BARS.
- THE CONTRACTOR HAS THE OPTION TO PROVIDE GRATE NO. 1 OR GRATE NO. 2 AS SHOWN ON SHEET IG-2.
- FRAME TO BE GRAY IRON CASTING, (AASHTO M 105, CLASS 30).

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
REVISION	GUTTER INLET FOR TYPE 2 CURB STORM SEWER ALONG ROADWAY
DATE	ISSUE DATE: OCTOBER 1, 1998
	WORKING NUMBER GI-1A
	SHEET NUMBER 6317



Engineering Progress

SPECIFICATIONS AND CONTRACT DOCUMENTS

FOR

COMPREHENSIVE SEWER/WATER IMPROVEMENTS- PHASE X
PEARL AND QUINN STREETS AREA

FOR THE

CITY OF HATTIESBURG

MARCH, 2018



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 May 10, 2018 in the City Clerk's Office in the City Hall of said City and then at said location opened and read aloud for furnishing the City's requirements for the following:

COMPREHENSIVE SEWER/WATER IMPROVEMENTS – PHASE X
PEARL AND QUINN STREETS AREA
HATTIESBURG, MISSISSIPPI

Official bid documents can be downloaded from Central Bidding at www.centralbidding.com. Electronic bids can be submitted at www.centralbidding.com. For any questions relating to the electronic bidding process, please call Central Bidding at 225-810-4814. 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 sealed and marked EXACTLY as follows:

BID:

COMPREHENSIVE SEWER/WATER IMPROVEMENTS – PHASE X
PEARL AND QUINN STREETS AREA
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 3rd day of April, 2018.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____
Kermas Eaton, City Clerk

Publish on April 5, 2018 and April 12, 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 May 10, 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 X, 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

A portion of this project is to be constructed on the University of Southern Mississippi (USM) campus. CONTRACTOR shall coordinate all construction with the USM Physical Plant. Construction on the USM campus shall be completed by August 17, 2018.

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 270 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 X					
PEARL & QUINN STREETS AREA					
Item	Description	Unit	Quantity	Unit Price	Extension
	Sewer Pipe Items				
1	8" SDR 26 PVC Sewer Pipe (0'- 6')	LF	1,674		
2	8" SDR 26 PVC Sewer Pipe (6'- 8')	LF	5,540		
3	8" SDR 26 PVC Sewer Pipe (8'- 10')	LF	1,528		
4	8" SDR 26 PVC Sewer Pipe (10'- 12')	LF	841		
5	8" SDR 26 PVC Sewer Pipe (12'- 14')	LF	291		
6	8" SDR 26 PVC Sewer Pipe (14'- 16')	LF	53		
7	10" SDR 26 PVC Sewer Pipe (0'- 6')	LF	242		
8	10" SDR 26 PVC Sewer Pipe (6'- 8')	LF	122		
9	10" SDR 26 PVC Sewer Pipe (8'- 10')	LF	40		
10	10" SDR 26 PVC Sewer Pipe (10'- 12')	LF	55		
11	10" SDR 26 PVC Sewer Pipe (12'- 14')	LF	90		
12	10" SDR 26 PVC Sewer Pipe (14'- 16')	LF	20		
13	8" Ductile Iron Sewer Pipe (0'- 6')	LF	50		
14	8" Ductile Iron Sewer Pipe (6'- 8')	LF	10		
15	12" Steel Casing, 0.25" WT (Open Cut) (All Depths)	LF	60		
16	Removal of Existing Sewer Line	LF	6,396		
17	Abandonment of Existing Sewer Line (All Sizes)	LF	1926		
18	Tracer Wire System for Sewer	LF	15,690		
	Sewer Manhole Items				
19	48" Precast Concrete Sewer Manhole (0' - 6')	EA	11		

20	48" Precast Concrete Sewer Manhole (6' - 8')	EA	12		
21	48" Precast Concrete Sewer Manhole (8' - 10')	EA	6		
22	48" Precast Concrete Sewer Manhole (10' - 12')	EA	1		
23	48" Precast Concrete Sewer Manhole (12' - 14')	EA	1		
24	48" Precast Concrete Sewer Manhole (14' - 16')	EA	1		
25	48" Precast Concrete Sewer Manhole (6' - 8') (Doghouse)	EA	3		
26	48" Precast Concrete Sewer Manhole (10' - 12') (Doghouse)	EA	1		
27	60" Precast Concrete Sewer Manhole (0' - 6')	EA	1		
28	60" Precast Concrete Sewer Manhole (6' - 8')	EA	1		
29	60" Precast Concrete Sewer Manhole (8' - 10')	EA	1		
30	60" Precast Concrete Sewer Manhole (10' - 12')	EA	1		
31	60" Precast Concrete Sewer Manhole (12' - 14')	EA	1		
32	60" Precast Concrete Sewer Manhole (6' - 8') (Doghouse)	EA	1		
33	60" Precast Concrete Sewer Manhole (10' - 12') (Doghouse)	EA	1		
34	Demolition and Removal of Existing Manholes (All Types)	EA	33		
35	Abandonment of Existing Manhole	EA	1		
36	Drop Manhole Assembly (All Depths)	EA	6		
37	1000 Gallon, Concrete Grease Trap (6" Walls, Traffic Rated)	EA	1		
	Sewer Service Items				
38	4" Sanitary Sewer Service Cleanout	EA	155		
39	4" SDR 26 PVC Pipe Sanitary Sewer Service (Incl Fittings)	LF	120		
40	6" SDR 26 PVC Pipe Sanitary Sewer Service	LF	3,588		

	(Incl Fittings)				
41	8"x8"x6" PVC Service Tee	EA	148		
42	10"x10"x6" PVC Service Tee	EA	13		
43	8"x8"x6" Ductile Iron Service Tee	EA	4		
44	Service Tap on Existing 8" Sewer Main	EA	2		
	Water Pipe Items				
45	2" & Under 150 PSI PVC Water Pipe for Connections (Open Cut)	Lin. Ft.	40		
46	6" Class 350 Ductile Iron Water Pipe (Open Cut)	Lin. Ft.	6,330		
47	8" 200 PSI, DR9, HDPE (Directional Bore) (Incl. adapter fittings)	Lin. Ft.	100		
48	Tracer Wire System for Water	LF	10,381		
	Water Connection Items				
49	Cut and Cap Existing Water Line in Place	Each	8		
50	Connection: Proposed 6" to Existing 6" (Straight - Coupling)	Each	1		
51	Connection: Proposed 6" to Existing 6" (Tee & other fittings)	Each	4		
52	Connection: Proposed 6" to Existing 6" (Hot Tap w/ Valve Assembly)	Each	1		
53	Connection: Proposed 6" to Existing 8" (Hot Tap w/ Valve Assembly)	Each	2		
54	Connection: Proposed 6" to Existing 20" (Hot Tap w/ Valve Assembly)	Each	7		
55	Connection: Proposed 6" to Proposed 6" (Tee & other fittings)	Each	3		
	Water Valve Items				

56	6" Gate Valve	Each	20		
	Water Fire Protection Items				
57	3 Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Brass Tag, Pipe, & other fittings)	Each	13		
58	Removal of Existing Fire Hydrant	Each	6		
	Water Service Items				
59	Residential Service Tap (3/4") (Incl: Open Cut Service Tubing, Tapping Saddle, Corp Stop, etc)	Each	110		
60	Commercial Service Tap (1") (Incl: Open Cut Service Tubing, Tapping Saddle, Corp Stop, etc)	Each	3		
61	3/4" Service Tubing (Open Cut) (All Sizes)	LF	2,587		
62	1" Service Tubing (Open Cut) (All Sizes)	LF	20		
63	3/4" Service Tubing (Bored) (All Sizes)	LF	310		
64	1" Service Tubing (Bored) (All Sizes)	LF	50		
65	Remove, Relocate and Reset Existing Water Meter (incl. fittings,etc)	Each	36		
66	3/4" Water Service Meter (Residential)	Each	5		
67	1" Water Service Meter (Commercial)	Each	1		
	Miscellaneous Construction Items				
68	Crushed Aggregate (Size 610)	Ton	5,084		
69	Select Fill Material (Class 9, Group C), LVM	CY	25,693		
70	Concrete Pavement Repair (All Depths)	SY	1,195		
71	Hardy Street Roadway Repair (Special Construction)	SY	230		
72	9.5mm Hot Mix Asphalt	Ton	1840		
73	19mm Hot Mix Asphalt	Ton	1000		

74	Brick Sidewalk Repair (All Depths)	SY	5		
75	Concrete Sidewalk Repair (All Depths)	SY	195		
76	Concrete Curb & Gutter (Match Existing Type)	LF	1,070		
77	Concrete Ditch Repair	SF	805		
78	Concrete Pipe Piers (Incl. Concrete, Reinf., Straps, etc)	Each	2		
79	Class "B" Concrete, Minor Structures	CY	6		
80	Reinforcing Steel	LBS	67		
81	Inlet Gratings	LBS	200		
82	Inlet Castings	LBS	244		
83	12" Corrugated HDPE Pipe (Dual Wall)	LF	40		
84	15" Corrugated HDPE Pipe (Dual Wall)	LF	40		
85	12" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	LF	56		
86	15" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	LF	118		
87	18" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	LF	16		
88	24" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	LF	48		
89	30" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	LF	48		
90	36" Reinforced Concrete Pipe (Class III) (Rubber Gaskets)	LF	48		
91	Removal of Existing Pipe Cross Drains (All Sizes and Depths)	LF	360		
92	Removal of Existing Corrugated HDPE Pipe (All Sizes and Depths) and Reset	LF	70		
93	Remove, Salvage and Reset Existing Wood Fence	LF	70		
94	Remove, Salvage and Reset Existing Net Wire	LF	130		

	Fence				
95	Remove, Salvage and Reset Existing Chain Link Fence	LF	25		
96	Removed and Replace Dumpster Enclosure (as detailed)	LS	1		
97	6" Yellow Thermoplastic Detail Traffic Stripe	LF	1150		
98	Lengend White Thermoplastic Traffic Marking (6" Equivilent)	LF	2070		
99	Solid Sod (Incl. Sod, Top Soil, Fertilizer, Watering, etc.)	SY	5,500		
100	Landscape Restoration (Inc. Top Soil, Plants, Mulch, Watering, etc.)	SF	1,505		
101	Clearing and Grubbing	Acre	1		
102	Temporary Erosion Control	LS	1		
103	Maintenance of Traffic	LS	1		
104	Mobilization	LS	1		
				BID TOTAL:	

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 X
PEARL AND QUINN STREETS AREA
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 X
PEARL AND QUINN STREETS AREA
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 X, 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 FOR SEWER

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 based on size, type and depth of manhole in appropriate depth bracket measured from lid of manhole to downstream invert. Payment 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 and 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.

1000 GALLON, CONCRETE GREASE TRAP

Payment for 1000 gallon concrete grease trap shall include all labor and materials for furnishing and installing the grease trap 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.

SERVICE TAP ON EXISTING SEWER MAIN

Payment for sewer service tap on existing sewer main will be per each. Price shall include all labor, materials and equipment necessary to install a sewer service tap based on plans and specifications and City of Hattiesburg standards.

2" & UNDER 150 PSI PVC WATER PIPE FOR CONNECTIONS (OPEN CUT)

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.

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 FOR WATER

Installation requirements for tracer wire system for water 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 based on pay item schedule.

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 based on the pay item schedule.

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 based on pay item schedule, size, and installation method.

REMOVE, RELOCATE, AND RESET EXISTING WATER METER

Payment for relocation of a water meter shall include all components, labor and equipment for a fully operational water meter which has been relocated from the existing service location. Item shall include relocation of existing meter, meter box if existing is not reusable, and any necessary fittings and shall be paid per each.

WATER METER

Payment for water 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. 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.

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.

BRICK SIDEWALK REPAIR

Payment for brick sidewalk repair shall include removal and replacement of existing brick sidewalk. Item shall include saw cutting, forming, material, haul, placement, compaction and testing necessary to meet the plans and specifications. Payment shall be per square yard.

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.

CONCRETE PIPE PIERS

Payment for concrete pipe piers shall include removal of existing concrete, grading, forming, materials, placement, compaction and testing necessary to elevate the proposed gravity sewer main in accordance with the plans and specifications. Item shall be paid per each.

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 type and diameter of the pipe as shown in the bid schedule.

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.

REMOVAL AND REPLACE DUMPSTER ENCLOSURE

Payment for removal and replace dumpster enclosure shall include removal of all enclosure materials, relocation of dumpster, temporary trash service location, storing materials, and installation of materials in a new location as directed by the ENGINEER. Item shall be paid per lump sum.

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 maybe 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 competed 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 of 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.