

City of Hattiesburg, MS

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



Meeting Agenda

Tuesday, February 4, 2014

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**

of the January 6, 7, 9, 15, 17 and 21, 2014 City Council meetings.

V. PRESENTATION AGENDA**VI. POLICY AGENDA**

- VI.-1** 2014-0901 Adopt Resolution requesting the Mississippi Legislature of the State of Mississippi to amend enabling legislation of the Hattiesburg Tourism Commission, which stands repealed from and after June 30, 2014, to extend the repealer imposed on the Hattiesburg Tourism Commission and the special tax levied therefore, to June 30, 2018.

Attachments: Resolution Tourism Tax
executed Resolution Tourism Tax RES2014-17

- VI.-2** 2014-0893 Adopt a Resolution authorizing Requisition No. 1 from the Project Fund Construction Account in connection with that certain loan agreement, dated as of December 19, 2013, by and between the Mississippi Development Bank and the City of Hattiesburg.

Attachments: 2013 Bond Requisition No 1
executed 2013 Bond Requisition No 1 RES2014-18

- VI.-3** 2013-0854 Adopt a Resolution setting a Public Hearing at 4 p.m. March 3, 2014 to determine if certain properties are in such a state of uncleanness 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: Setting Public Hearing MEMO 2-3-14
RESOLUTION Setting Public Hearing 2-4-14
executed RESOLUTION Setting Public Hearing 2-4-14 RES2014-19

VI.-4 2014-0891

Authorize Mayor to execute Task Order # 2 under professional services contract dated October 8, 2013 with Shows, Dearman & Waits, Inc. for a Comprehensive Sanitary Sewer Study.

Attachments: SSO Task Order #2
executed SSO Task Order #2

VI.-5 2014-0888

Approve amended Housing Rehabilitation, Reconstruction and Housing Repair Program Manual, adopted on 10/21/2008 found at MB2008-6/348-373 and most recently amended 03/08/2011 found at MB2011-2/71-72 (copy on file in City Clerk's office).{Entitlement}

Attachments: RED LETTER DRAFT - Part 1, 1A, and 1B - Revised 2-2014
DRAFT - Part 1, 1A, and 1B - Revised 2-2014
Part 2- Revised 5-2010
Part 3 - Revised 2-2014 - including Exhibit L

VI.-6 2014-0899

Declare the purchase of roadway salt from Miles Pool Supply due to road conditions from the ice storm as an emergency purchase (Mississippi Code 31-7-13 (k)) and request payment in the amount of \$9,282.50 as a manual check.

Attachments: 02-04-Miles Pool Supply Emergency Purchase

VII. ROUTINE AGENDA**VII.-1** 2014-0889

Authorize Mayor to renew maintenance agreement between the City of Hattiesburg and RJ Young for maintenance on a copier located in the Traffic/Construction Division

Attachments: 02-04-Traffic Copier Agreement

VII.-2 2014-0890

Acknowledge receipt of the two bid purchase docket for the period of November 26, 2013 through January 26, 2014 as provided for in Section 31-7-13 (b) of the Mississippi Code of 1972

Attachments: 02-04-Two Quote Docket

VII.-3 2014-0900

Acknowledge receipt of Privilege License report for the month of December 2013, from the Tax Department, as per recommendation.

Attachments: PL Memo Dec 2013
 New Lic Dec 2013
 Renewals for Dec 2013

VII.-4 2014-0896

Acknowledge the execution of a subordination agreement with Magnolia State Bank on property at 614 Barkley Road as required by the agreement with Community Connections found at MB2013/179-180. {Entitlement}

Attachments: Subordination Agreement re Magnolia State Construction Loan
 executed Subordination Agreement re Magnolia State Construction Loan

VII.-5 2014-0892

Approve plans and specifications for the Gordon Creek Park - Downtown District Project; Authorize advertisement for bids for same.

Attachments: Final Specs
 AdvBid
 Plans
 executed AdvBid

VII.-6 2014-0887

Approve the City's purchase of one (1) grave space located in the South Half(S1/2) Southeast Quarter(SE1/4) Lot 109, Section 23, in the Highland Cemetery, recorded at MB 2011-1/140, in the amount of \$175.00 to Barbara Jean Childs; authorize a manual check for the same.

Attachments: Supporting Docs for Barbara J Childs

VII.-7 2014-0894

Approve and authorize issuance of manual checks for CDBG Program Claims per attached memorandum. {Entitlement}

Attachments: MEMORANDUM-Manual Checks-CDBG
 CDBG Supporting Docs

VII.-8 2014-0895

Approve and authorize issuance of manual checks for HOME Program Claims per attached memorandum. {Entitlement}

Attachments: MEMORANDUM-Manual Checks-HOME
 HOME Supporting Docs

VII.-9 2014-0898

Approve claims docket for the period ending January 31,2014.

Attachments: DOCKET 01-31-14



City of Hattiesburg, MS

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

Master

File Number: 2014-0901

File ID: 2014-0901

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

File Created: 01/31/2014

Brief Title: Adopt Resolution extending repealer on Hattiesburg Tourism Commission and special tax levied therefor to June 30, 2018

Final Action: 02/04/2014

Minute Book Number: MB2014-36

Title: Adopt Resolution requesting the Mississippi Legislature of the State of Mississippi to amend enabling legislation of the Hattiesburg Tourism Commission, which stands repealed from and after June 30, 2014, to extend the repealer imposed on the Hattiesburg Tourism Commission and the special tax levied therefore, to June 30, 2018.

Notes:

Sponsors:

Enactment Date:

Attachments: Resolution Tourism Tax, executed Resolution Tourism Tax RES2014-17

Enactment Number:

Contact:

Meeting Date: 02/04/2014

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014	Adopt				Pass
Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Dryden to Adopt Resolution requesting the Mississippi Legislature of the State of Mississippi to amend enabling legislation of the Hattiesburg Tourism Commission, which stands repealed from and after June 30, 2014, to extend the repealer imposed on the Hattiesburg Tourism Commission and the special tax levied therefore, to June 30, 2018.							
There being no discussion, the Motion received the affirmative vote of the Council as follows:							
Yeas: 5 - Bradley, Delgado, Carroll, Dryden and Naylor							
Nays: 0							
Yea: 5 Council Member Bradley Council Member Delgado Council Member Carroll Council Member Dryden Council Member Naylor							
TEL-No Vote: 0							

Text of Legislative File 2014-0901

Title

Adopt Resolution requesting the Mississippi Legislature of the State of Mississippi to amend enabling legislation of the Hattiesburg Tourism Commission, which stands repealed from and after June 30, 2014, to extend the repealer imposed on the Hattiesburg Tourism Commission and the special tax levied therefore, to June 30, 2018.

Summary

Resolution requesting enabling legislation, Hattiesburg Tourism Commission

Budget Information

Expenditure Type

Purchasing Item

Publication Information

**RESOLUTION REQUESTING THE MISSISSIPPI LEGISLATURE OF THE STATE OF MISSISSIPPI TO AMEND
ENABLING LEGISLATION OF THE HATTIESBURG TOURISM COMMISSION, WHICH STANDS REPEALED
FROM AND AFTER JUNE 30, 2014, TO EXTEND THE REPEALER IMPOSED ON THE HATTIESBURG
TOURISM COMMISSION AND THE SPECIAL TAX LEVIED THEREFOR, TO JUNE 30, 2018**

WHEREAS, on March 6, 1990, the Mayor and City Council of the City of Hattiesburg, Mississippi adopted a resolution requesting the Legislature of the State of Mississippi to enact a local and private bill enabling the City of Hattiesburg, to provide for a special tax to be levied on the gross proceeds from hotel and motel overnight room rental, exclusive of charges for food, telephone, laundry, beverages and similar charges; to provide that such tax be collected by the State Tax Commission; and

WHEREAS, on May 8, 1990, the Mayor and City Council of the City of Hattiesburg, Mississippi, acknowledged receipt of House Bill Number 1717 authorizing and empowering the City of Hattiesburg to create and establish said Hattiesburg Tourism Commission; and

WHEREAS, House Bill 1717 directed the governing authorities of the City of Hattiesburg to adopt a resolution declaring its intent to levy taxes, establish the amount of the tax levy and determine the date on which taxes initially would be levied and collected; and

WHEREAS, on September 4, 1990, the Mayor and City Council of the City of Hattiesburg adopted said resolution; and

WHEREAS, in 1995 House Bill Number 1717 was amended by Senate Bill No. 3124 and stated that this act shall stand repealed from and after September 30, 1997; and

WHEREAS, in 1997 House Bill Number 1717, as amended by Senate Bill No. 3124 in 1995, and as amended by House Bill No. 1878 in 1997, was amended by Senate Bill Number 3306 and stated that this act shall stand repealed from and after September 30, 2004; and

WHEREAS, in 2000 House Bill Number 1717, as amended by Senate Bill No. 3124 in 1995, as amended by House Bill No. 1878 in 1997, was amended by Senate Bill Number 3306 and stated that this act shall stand repealed from and after September 30, 2004; and

WHEREAS, in 2004 House Bill Number 1717, as amended by Senate Bill No. 3124 in 1995, as amended by House Bill No. 1878 in 1997, as amended by Senate Bill Number 3306 in 2000, was amended by House Bill No. 1839 in 2004, and stated that this act shall stand repealed from and after September 30, 2008; and

WHEREAS, in 2008 House Bill Number 1721 stated that this act shall stand repealed from and after September 30, 2011; and

WHEREAS, in 2011 House Bill Number 1530 stated that this act shall stand repealed from and after June 30, 2014; and

WHEREAS, the City of Hattiesburg wishes to extend the repealer imposed on the Hattiesburg Tourism Commission and the special tax levied therefore to June 30, 2018.

**NOW, THEREFORE, BE ITG RESOLVED AND ORDERED BY THE MAYOR AND COUNCIL OF THE
CITY OF HATTIESBURG, MISSISSIPPI:**

Section 1. The Legislature of the State of Mississippi is hereby requested to amend the enabling legislation set forth in Section 6 of House Bill Number 1717, as amended by Senate Bill No. 3124 in 1995, and as amended by House Bill No. 1878 in 1997, was amended by Senate Bill No. 3306 in 2000, was amended by House Bill 1839 in 2004, was amended by House Bill 1721 in 2008, was amended by House Bill 1530 in 2011, to extend the repealer imposed on the Hattiesburg Tourism Commission and the special tax levied therefore to June 30, 2018.

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

YEAS:

NAYS:

The president thereby declared the motion carried and the Resolution adopted, this the 4th day of February, 2014.

(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 4th day of February, 2014.

ATTEST:

APPROVED:

CITY CLERK

MAYOR

**RESOLUTION REQUESTING THE MISSISSIPPI LEGISLATURE OF THE STATE OF MISSISSIPPI TO AMEND
ENABLING LEGISLATION OF THE HATTIESBURG TOURISM COMMISSION, WHICH STANDS REPEALED
FROM AND AFTER JUNE 30, 2014, TO EXTEND THE REPEALER IMPOSED ON THE HATTIESBURG
TOURISM COMMISSION AND THE SPECIAL TAX LEVIED THEREFOR, TO JULY 1, 2018**

WHEREAS, on March 6, 1990, the Mayor and City Council of the City of Hattiesburg, Mississippi adopted a resolution requesting the Legislature of the State of Mississippi to enact a local and private bill enabling the City of Hattiesburg, to provide for a special tax to be levied on the gross proceeds from hotel and motel overnight room rental, exclusive of charges for food, telephone, laundry, beverages and similar charges; to provide that such tax be collected by the State Tax Commission; and

WHEREAS, on May 8, 1990, the Mayor and City Council of the City of Hattiesburg, Mississippi, acknowledged receipt of House Bill Number 1717 authorizing and empowering the City of Hattiesburg to create and establish said Hattiesburg Tourism Commission; and

WHEREAS, House Bill 1717 directed the governing authorities of the City of Hattiesburg to adopt a resolution declaring its intent to levy taxes, establish the amount of the tax levy and determine the date on which taxes initially would be levied and collected; and

WHEREAS, on September 4, 1990, the Mayor and City Council of the City of Hattiesburg adopted said resolution; and

WHEREAS, in 1995 House Bill Number 1717 was amended by Senate Bill No. 3124 and stated that this act shall stand repealed from and after September 30, 1997; and

WHEREAS, in 1997 House Bill Number 1717, as amended by Senate Bill No. 3124 in 1995, and as amended by House Bill No. 1878 in 1997, was amended by Senate Bill Number 3306 and stated that this act shall stand repealed from and after September 30, 2004; and

WHEREAS, in 2000 House Bill Number 1717, as amended by Senate Bill No. 3124 in 1995, as amended by House Bill No. 1878 in 1997, was amended by Senate Bill Number 3306 and stated that this act shall stand repealed from and after September 30, 2004; and

WHEREAS, in 2004 House Bill Number 1717, as amended by Senate Bill No. 3124 in 1995, as amended by House Bill No. 1878 in 1997, as amended by Senate Bill Number 3306 in 2000, was amended by House Bill No. 1839 in 2004, and stated that this act shall stand repealed from and after September 30, 2008; and

WHEREAS, in 2008 House Bill Number 1721 stated that this act shall stand repealed from and after September 30, 2011; and

WHEREAS, in 2011 House Bill Number 1530 stated that this act shall stand repealed from and after June 30, 2014; and

WHEREAS, the City of Hattiesburg wishes to extend the repealer imposed on the Hattiesburg Tourism Commission and the special tax levied therefore to June 30, 2018.

**NOW, THEREFORE, BE ITG RESOLVED AND ORDERED BY THE MAYOR AND COUNCIL OF THE
CITY OF HATTIESBURG, MISSISSIPPI:**

Section 1. The Legislature of the State of Mississippi is hereby requested to amend the enabling legislation set forth in Section 6 of House Bill Number 1717, as amended by Senate Bill No. 3124 in 1995, and as amended by House Bill No. 1878 in 1997, was amended by Senate Bill No. 3306 in 2000, was amended by House Bill 1839 in 2004, was amended by House Bill 1721 in 2008, was amended by House Bill 1530 in 2011, to extend the repealer imposed on the Hattiesburg Tourism Commission and the special tax levied therefore to June 30, 2018.

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

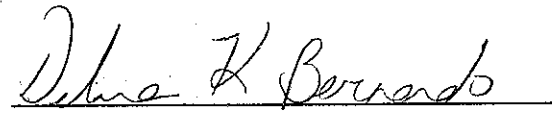
YEAS: Bradley
Delgado
Carroll
Dryden
Naylor

NAYS: None

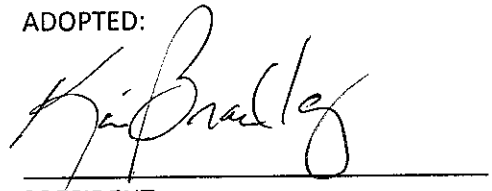
The president thereby declared the motion carried and the Resolution adopted, this the 4th day of February, 2014.

(S E A L)

ATTEST:

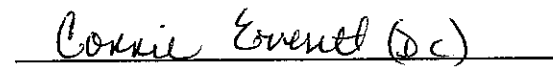

CLERK OF COUNCIL

ADOPTED:

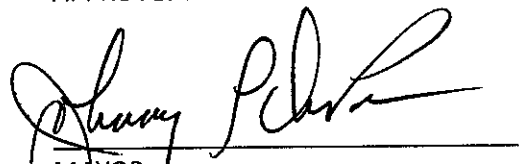

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 4th day of February, 2014.

ATTEST:


CITY CLERK

APPROVED:


MAYOR



City of Hattiesburg, MS

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

Master

File Number: 2014-0893

File ID: 2014-0893

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

File Created: 01/27/2014

Brief Title: Project Resolution Requisition No. 1 - 2013 Bonds

Final Action: 02/04/2014

Minute Book Number: MB2014-36

Title:

Adopt a Resolution authorizing Requisition No. 1 from the Project Fund Construction Account in connection with that certain loan agreement, dated as of December 19, 2013, by and between the Mississippi Development Bank and the City of Hattiesburg.

Notes:

Sponsors:

Enactment Date:

Attachments: 2013 Bond Requisition No 1, executed 2013 Bond Requisition No 1 RES2014-18

Enactment Number:

Contact:

Meeting Date: 02/04/2014

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	02/04/2014	Adopt				Pass
Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Dryden to Adopt a Resolution authorizing Requisition No. 1 from the Project Fund Construction Account in connection with that certain loan agreement, dated as of December 19, 2013, by and between the Mississippi Development Bank and the City of Hattiesburg.							
There being no discussion, the Motion received the affirmative vote of the Council as follows:							
Yeas: 5 - Bradley, Delgado, Carroll, Dryden and Naylor							
Nays: 0							
Yea: 5 Council Member Bradley Council Member Delgado Council Member Carroll Council Member Dryden Council Member Naylor							
TEL-No Vote: 0							

Text of Legislative File 2014-0893

Title

Adopt a Resolution authorizing Requisition No. 1 from the Project Fund Construction Account in connection with that certain loan agreement, dated as of December 19, 2013, by and between the Mississippi Development Bank and the City of Hattiesburg.

Summary

Project Resolution Requisition No. 1 - 2013 Bonds

Budget Information

Cost Center 105695

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. 1 from the Project Fund Construction Account in connection with the loan agreement between the Mississippi Development Bank and the City dated December 19, 2013. 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. 1 FROM THE PROJECT FUND CONSTRUCTION
ACCOUNT IN CONNECTION WITH THAT CERTAIN LOAN
AGREEMENT, DATED AS OF DECEMBER 19, 2013, BY AND BETWEEN
THE MISSISSIPPI DEVELOPMENT BANK AND THE CITY.**

Whereas, on _____, 2013 the City entered into a loan with the Mississippi Development Bank in an amount not to exceed \$28,000,000 (the "Loan") pursuant to the terms and conditions of that certain loan agreement, dated as of December 19, 2013, 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. 1 from the Project Fund Construction Account under the Loan in the total aggregate amount of \$485,786.60 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. 1 from the Project Fund Construction Account under the Loan in the total aggregate amount of Four hundred eighty-five thousand seven hundred eighty-six & 60/100 dollars (\$485,786.60) 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 Hancock Bank, as Trustee to disburse funds of Requisition No. 1 in the total aggregate amount of Four hundred eighty-five thousand seven hundred eighty-six & 60/100 dollars (\$485,786.60) 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 roll call vote, to wit:

YEAS:

NAYS:

The President thereby declared the motion carried and the resolution adopted, this the 4th day of February, 2014.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 4th day of February, 2014.

CITY CLERK

MAYOR

EXHIBIT A

PROJECT FUND CONSTRUCTION ACCOUNT REQUISITION

EXHIBIT A

PROJECT FUND CONSTRUCTION ACCOUNT REQUISITION

RE: \$28,000,000.00 Mississippi Development Bank Special Obligation Bonds, Series 2013 (Hattiesburg, Mississippi Combined Water and Sewer System Refunding and Construction Project) (the "Bonds") secured by \$28,000,000.00 Promissory Note (Hattiesburg, Mississippi Combined Water and Sewer System Refunding and Construction Project) (the "Note").

TO: Hancock Bank
 The Quarter Specialty Center
 1855 Lakeland Drive, Suite Q-230
 Jackson, Mississippi 39216
 ATTN: Trust and Financial Services Group

REQUISITION NO.: 1

DATE OF REQUISITION: 2/4/2014

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
1.	Hensley R. Lee Contracting Inc. 311 Acorn St Pineyune, MS 39466	105695.7220.00	\$ 80,119.38	Pay App No. 11	Construction on COMSWIP Sewer Phase II for period 12/1/13 - 1/24/14 MB 2012-1/422
2.	Jay Bearden Construction, Inc. P O Box 180428 Richland, MS 39218	105695.7220.01	\$ 179,495.38	Pay App No. 8	Construction on COMSWIP Sewer Phase III for period 10/28/13 - 1/10/14, MB 2012-1/387
3.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.03	\$ 1,310.00	17729	Hwy 98 Booster Station Period: 9/29/13 - 10/26/13 2011-4/89-110
4.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.03	\$ 675.00	17785	Hwy 98 Booster Station Period: 10/27/13 - 11/23/13 2011-4/89-110
5.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.03	\$ 975.00	17809	Hwy 98 Booster Station Period: 11/24/13 - 12/28/13 2011-4/89-110
6.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.04	\$ 12,520.00	17625	Hwy 98 Elevated Water Tank Period: 7/28/13 - 8/24/13 2011-4/89-110

EXHIBIT A

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
7.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.04	\$ 14,000.00	17672	Hwy 98 Elevated Water Tank Period: 8/25/13 - 9/21/13 2011-4/89-110
8.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.04	\$ 14,175.00	17730	Hwy 98 Elevated Water Tank Period: 9/29/13 - 10/26/13 2011-4/89-110
9.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.04	\$ 7,685.00	17786	Hwy 98 Elevated Water Tank Period: 10/27/13 - 11/23/13 2011-4/89-110
10.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.04	\$ 3,105.00	17808	Hwy 98 Elevated Water Tank Period: 11/24/13 - 12/28/13 2011-4/89-110
11.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.28	\$ 825.00	17727	Hwy 98 Fire Lines Period: 9/29/13 - 10/26/13 2011-4/89-110
12.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.28	\$ 450.00	17784	Hwy 98 Fire Lines Period: 10/27/13 - 11/23/13 2011-4/89-110
13.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.6015	\$ 3,150.00	17831	Comprehensive Sanitary Sewer Study Task 1 Period: 11/1/13 - 12/28/13 2013-1/303
14.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.01	\$ 1,247.61	17628	James St Water Well # 3 Period: 7/28/13 - 8/24/13 2011-4/89-110
15.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.01	\$ 2,762.04	17688	James St Water Well # 3 Period: 8/25/13 - 9/21/13 2011-4/89-110
16.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.01	\$ 4,066.14	17709	James St Water Well # 3 Period: 9/29/13 - 10/26/13 2011-4/89-110

EXHIBIT A

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
17.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.01	\$ 1,352.20	17758	James St Water Well # 3 Period: 10/27/13 - 11/23/13 2011-4/89-110
18.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.49	\$ 1,550.00	17622	Sewer Improvements Ph I Period: 7/28/13 - 8/24/13 2011-4/89-110
19.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.49	\$ 660.00	17665	Sewer Improvements Ph I Period: 8/25/13 - 9/21/13 2011-4/89-110
20.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.49	\$ 900.00	17812	Sewer Improvements Ph I Period: 11/24/13 - 12/28/13 2011-4/89-110
21.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.50	\$ 15,022.50	17623	Sewer Improvements Ph II Period: 7/28/13 - 8/24/13 2011-4/89-110
22.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.50	\$ 8,337.50	17666	Sewer Improvements Ph II Period: 8/25/13 - 9/21/13 2011-4/89-110
23.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.50	\$ 8,497.50	17726	Sewer Improvements Ph II Period: 9/29/13 - 10/26/13 2011-4/89-110
24.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.50	\$ 3,977.50	17782	Sewer Improvements Ph II Period: 10/27/13 - 11/23/13 2011-4/89-110
25.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.50	\$ 1,965.00	17811	Sewer Improvements Ph II Period: 11/24/13 - 12/28/13 2011-4/89-110
26.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711	105695.7220.01	\$ 13,327.50	17624	Sewer Improvements Ph III Period: 7/28/13 - 8/24/13 2011-4/89-110

EXHIBIT A

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
	Hattiesburg, MS 39403-1711				
27.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.01	\$ 10,395.00	17667	Sewer Improvements Ph III Period: 8/25/13 - 9/21/13 2011-4/89-110
28.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.01	\$ 13,417.50	17728	Sewer Improvements Ph III Period: 9/29/13 - 10/26/13 2011-4/89-110
29.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.01	\$ 8,760.00	17783	Sewer Improvements Ph III Period: 10/27/13 - 11/23/13 2011-4/89-110
30.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.01	\$ 4,422.50	17810	Sewer Improvements Ph III Period: 11/24/13 - 12/28/13 2011-4/89-110
31.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.51	\$ 1,705.00	17627	Sewer Improvements Ph IV Period: 7/28/13 - 8/24/13 2011-4/89-110
32.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.51	\$ 685.00	17685	Sewer Improvements Ph IV Period: 8/25/13 - 9/21/13 2011-4/89-110
33.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.51	\$ 300.00	17757	Sewer Improvements Ph IV Period: 10/27/13 - 11/23/13 2011-4/89-110
34.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.50	\$ 10,055.00	17626	Water Improvements Ph I Period: 7/28/13 - 8/24/13 2011-4/89-110
35.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.50	\$ 4,930.00	17673	Water Improvements Ph I Period: 8/25/13 - 9/21/13 2011-4/89-110
36.	Shows, Dearman, & Waits, Inc. 301 Second Ave	105695.7245.50	\$ 5,652.50	17731	Water Improvements Ph I Period: 10/1/13 - 10/31/13

EXHIBIT A

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
	P O Box 1711 Hattiesburg, MS 39403-1711				2011-4/89-110
37.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.50	\$ 790.00	17787	Water Improvements Ph I Period: 10/27/13 - 11/23/13 2011-4/89-110
38.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.50	\$ 790.00	17807	Water Improvements Ph I Period: 11/24/13 - 12/28/13 2011-4/89-110
39.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.09	\$ 5,905.00	17826	Wesley Water Well # 2 Period: 11/1/13 - 12/28/13 2011-4/89-110
40.	HRG P O Box 22625 Jackson, MS 39225-2625	105695.6015	\$ 35,638.85	011001-07-2 Final	No-Discharge Wastewater Treatment System Period: 9/1/13 - 10/31/13 2013-1/219

\$ 485,786.60



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

October 31, 2013
Project No: 1273-W002
Invoice No: 17729

Project Manager Kyle Wallace

Project 1273-W002 Hwy 98 West Booster Station

Professional Services from September 29, 2013 to October 26, 2013

Phase CM Hwy 98 W Booster Sta - Construction Mgmt

Professional Personnel

	Hours	Rate	Amount	
Construction Observer				
McLendon, Gerald	11.00	85.00	935.00	
Project Engineer				
Wallace, Kyle	2.50	150.00	375.00	
Totals	13.50		1,310.00	
Total Labor				1,310.00
		Total this Phase		\$1,310.00
		Total this Invoice		\$1,310.00

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

105695.7245,03
MB 2011-4/89-110



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

December 02, 2013
Project No: 1273-W002
Invoice No: 17785

Project Manager Kyle Wallace

Project 1273-W002 Hwy 98 West Booster Station

Professional Services from October 27, 2013 to November 23, 2013

Phase CM Hwy 98 W Booster Sta - Construction Mgmt

Professional Personnel

	Hours	Rate	Amount	
Project Engineer				
Wallace, Kyle	4.50	150.00	675.00	
Totals	4.50		675.00	
Total Labor				675.00
		Total this Phase		\$675.00
		Total this Invoice		\$675.00

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

105695.7245.03
MB 2011-4/89-110



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

January 07, 2014
Project No: 1273-W002
Invoice No: 17809

Project Manager Kyle Wallace

Project 1273-W002 Hwy 98 West Booster Station

Professional Services from November 24, 2013 to December 28, 2013

Phase CM Hwy 98 W Booster Sta - Construction Mgmt

Professional Personnel

	Hours	Rate	Amount	
Project Engineer				
Sellers, Bennie	2.50	150.00	375.00	
Wallace, Kyle	4.00	150.00	600.00	
Totals	6.50		975.00	
Total Labor				975.00
		Total this Phase		\$975.00
		Total this Invoice		\$975.00

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

105695.7245,03

MTB 2011-4/89-110



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

September 04, 2013
Project No: 1273-W003
Invoice No: 17625

Project Manager Kyle Wallace
Project 1273-W003 Highway 98 West Elevated Tank

Professional Services from July 28, 2013 to August 24, 2013

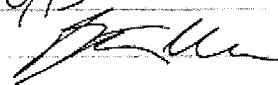
Phase CM Hwy 98 West Elevated Tank - Construction

Professional Personnel

	Hours	Rate	Amount	
Construction Observer				
McLendon, Gerald	33.00	85.00	2,805.00	
Phillips, Michael	35.00	85.00	2,975.00	
Tingle, William	29.00	85.00	2,465.00	
Project Engineer				
Wallace, Kyle	28.50	150.00	4,275.00	
Totals	125.50		12,520.00	
Total Labor				12,520.00
		Total this Phase		\$12,520.00
		Total this Invoice		\$12,520.00

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

105695.7245.04

APPROVED FOR PAYMENT
DATE 9/10/13
SIGNATURE 



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

September 26, 2013
Project No: 1273-W003
Invoice No: 17672

Project Manager Kyle Wallace

Project 1273-W003 Highway 98 West Elevated Tank

Professional Services from August 25, 2013 to September 21, 2013

Phase CM Hwy 98 West Elevated Tank - Construction

Professional Personnel

	Hours	Rate	Amount
Construction Observer			
McLendon, Gerald	47.00	85.00	3,995.00
Tingle, William	33.00	85.00	2,805.00
Project Engineer			
Wallace, Kyle	48.00	150.00	7,200.00
Totals	128.00		14,000.00
Total Labor			14,000.00
		Total this Phase	\$14,000.00
		Total this Invoice	\$14,000.00

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

105695.7245.04



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

October 31, 2013
Project No: 1273-W003
Invoice No: 17730

Project Manager Kyle Wallace

Project 1273-W003 Highway 98 West Elevated Tank

Professional Services from September 29, 2013 to October 26, 2013

Phase CM Hwy 98 West Elevated Tank - Construction

Professional Personnel

	Hours	Rate	Amount	
Construction Observer				
McLendon, Gerald	60.00	85.00	5,100.00	
Tingle, William	30.00	85.00	2,550.00	
Field Crew				
Crew, Field	1.50	150.00	225.00	
Project Engineer				
Sellers, Bennie	5.00	150.00	750.00	
Wallace, Kyle	37.00	150.00	5,550.00	
Totals	133.50		14,175.00	
Total Labor				14,175.00
		Total this Phase		\$14,175.00
		Total this Invoice		\$14,175.00

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

105695.7245.04



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

December 02, 2013
Project No: 1273-W003
Invoice No: 17786

Project Manager Kyle Wallace
Project 1273-W003 Highway 98 West Elevated Tank

Professional Services from October 27, 2013 to November 23, 2013

Phase CM Hwy 98 West Elevated Tank - Construction

Professional Personnel

	Hours	Rate	Amount	
Construction Observer				
McLendon, Gerald	41.00	85.00	3,485.00	
Project Engineer				
Wallace, Kyle	28.00	150.00	4,200.00	
Totals	69.00		7,685.00	
Total Labor				7,685.00
		Total this Phase		\$7,685.00
		Total this Invoice		\$7,685.00

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

105695.7245.03



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

January 07, 2014
Project No: 1273-W003
Invoice No: 17808

Project Manager Kyle Wallace

Project 1273-W003 Highway 98 West Elevated Tank

Professional Services from November 24, 2013 to December 28, 2013

Phase CM Hwy 98 West Elevated Tank - Construction

Professional Personnel

	Hours	Rate	Amount	
Construction Observer				
McLendon, Gerald	3.00	85.00	255.00	
Project Engineer				
Sellers, Bennie	3.00	150.00	450.00	
Wallace, Kyle	16.00	150.00	2,400.00	
Totals	22.00		3,105.00	
Total Labor				3,105.00
		Total this Phase		\$3,105.00
		Total this Invoice		\$3,105.00

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

105695.7245, 04



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

October 31, 2013
Project No: 1273-W001
Invoice No: 17727

Project Manager Kyle Wallace

Project 1273-W001 Hwy 98 West Fire Lines

Professional Services from September 29, 2013 to October 26, 2013

Phase CM Hwy 98 W Fire Lines - Construction Mgt

Professional Personnel

	Hours	Rate	Amount	
Project Engineer				
Wallace, Kyle	5.50	150.00	825.00	
Totals	5.50		825.00	
Total Labor				825.00
		Total this Phase		\$825.00
		Total this Invoice		\$825.00

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

105695, 7245, 28



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

December 02, 2013
Project No: 1273-W001
Invoice No: 17784

Project Manager Kyle Wallace

Project 1273-W001 Hwy 98 West Fire Lines

Professional Services from October 27, 2013 to November 23, 2013

Phase CM Hwy 98 W Fire Lines - Construction Mgt

Professional Personnel

	Hours	Rate	Amount	
Project Engineer				
Wallace, Kyle	3.00	150.00	450.00	
Totals	3.00		450.00	
Total Labor				450.00
		Total this Phase		\$450.00
		Total this Invoice		\$450.00

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

105695.7245.28



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

January 08, 2014
Project No: 11202
Invoice No: 17831

Project Manager John Weeks

Project 11202 I/I Study

Professional Services from November 01, 2013 to December 28, 2013

Phase 01 I/I Study

Task 01 Task Order 1

Total Fee	6,300.00		
Percent Complete	50.00	Total Earned	3,150.00
		Previous Fee Billing	0.00
		Current Fee Billing	3,150.00
		Total Fee	3,150.00
		Total this Task	\$3,150.00
		Total this Phase	\$3,150.00
		Total this Invoice	\$3,150.00

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

MB 2013-1/303



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

September 04, 2013
Project No: 1237C.001
Invoice No: 17628

Project Manager John Weeks

Project 1237C.001 Construction Mgt - James St. WTP #3

Professional Services from July 28, 2013 to August 24, 2013

Professional Personnel

	Hours	Rate	Amount
ENGINEERING INTERN			
Joseph, Marcelin	7.00	19.23	134.61
PROJECT ENGINEER			
Weeks, John	6.50	43.27	281.26
Totals	13.50		415.87
Total Labor		3.0 times	415.87
			1,247.61
Total this Invoice			\$1,247.61

Outstanding Invoices

Number	Date	Balance
17572	7/31/2013	6,268.41
Total		6,268.41
Total Now Due		\$7,516.02

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

105695,7245.01

APPROVED FOR PAYMENT

DATE 9/10/13

SIGNATURE 



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

September 26, 2013
Project No: 1237C.001
Invoice No: 17688

Project Manager John Weeks
Project 1237C.001 Construction Mgt - James St. WTP #3
Professional Services from August 25, 2013 to September 21, 2013

Professional Personnel

	Hours	Rate	Amount	
ENGINEERING INTERN				
Joseph, Marcelin	10.50	19.23	201.92	
PROJECT ENGINEER				
Weeks, John	7.00	43.27	302.89	
Totals	17.50		504.81	
Total Labor		3.0 times	504.81	1,514.43
		Total this Invoice		\$1,514.43

Outstanding Invoices

Number	Date	Balance
17628	9/4/2013	1,247.61
Total		1,247.61

Total Now Due

\$2,762.04

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

105695.7245.01



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

October 31, 2013
Project No: 1237C.001
Invoice No: 17709

Project Manager John Weeks

Project 1237C.001 Construction Mgt - James St. WTP #3

Professional Services from September 29, 2013 to October 26, 2013

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
Tingle, William	9.00	28.00	252.00
ENGINEERING INTERN			
Joseph, Marcelin	13.50	19.23	259.61
PROJECT ENGINEER			
Weeks, John	19.50	43.27	843.77
Totals	42.00		1,355.38
Total Labor		3.0 times	1,355.38
			4,066.14
		Total this Invoice	<u>\$4,066.14</u>

Outstanding Invoices

Number	Date	Balance
17628	9/4/2013	1,247.61
17688	9/26/2013	1,514.43
Total		2,762.04
	Total Now Due	\$6,828.18

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

105695.7245.01



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

November 27, 2013
Project No: 1237C.001
Invoice No: 17758

Project Manager John Weeks
Project 1237C.001 Construction Mgt - James St. WTP #3
Professional Services from October 27, 2013 to November 23, 2013
Professional Personnel

	Hours	Rate	Amount	
Weeks, John	1.50	43.27	64.91	
CONSTRUCTION OBSERVER				
Tingle, William	5.00	28.00	140.00	
ENGINEERING INTERN				
Joseph, Marcelin	14.00	19.23	269.22	
PROJECT ENGINEER				
Weeks, John	1.00	43.27	43.27	
Totals	21.50		517.40	
Total Labor		3.0 times	517.40	1,552.20
		Total this Invoice		\$1,552.20

Outstanding Invoices

Number	Date	Balance
17628	9/4/2013	1,247.61
17688	9/26/2013	1,514.43
17709	10/31/2013	4,066.14
Total		6,828.18

Total Now Due \$8,380.38

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

105695.7245.01



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

September 04, 2013
Project No: 1273-S001
Invoice No: 17622

Project Manager Kyle Wallace

Project 1273-S001 Columbia St, Corrine St, Duke Ave, Carlisle Dr., U.S Hwy 49 S, WST Tatum Blvd.

Professional Services from July 28, 2013 to August 24, 2013

Sewer Ph I

Phase CM Construction Management - Columbia St.

Construction Cost 776,146.00
Fee Percentage 9.00
Total Fee 69,853.14

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	69,853.14	100.00	69,853.14	69,853.14	0.00
Totals				69,853.14	69,853.14	0.00
Total Fee						0.00

Professional Personnel

	Hours	Rate	Amount
AUTO CAD TECHNICIAN			
Sullivan, Richard	.50	85.00	42.50
Temple, Patricia	2.50	85.00	212.50
CONSTRUCTION OBSERVER			
Phillips, Michael	2.00	85.00	170.00
FIELD CREW			
Crew, Field	5.50	150.00	825.00
PROJECT ENGINEER			
Wallace, Kyle	2.00	150.00	300.00
Totals	12.50		1,550.00
Total Labor			1,550.00

Total this Phase \$1,550.00

Total this Invoice \$1,550.00

105695.7220, 49

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

APPROVED FOR PAYMENT

DATE 9/10/13

SIGNATURE *[Signature]*

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



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

September 25, 2013
Project No: 1273-S001
Invoice No: 17665

Project Manager Kyle Wallace

Project 1273-S001 Columbia St, Corrine St, Duke Ave, Carlisle Dr., U.S Hwy 49 S, WST Tatum Blvd.

Professional Services from August 25, 2013 to September 21, 2013

Sewer Ph I

Phase CM Construction Management - Columbia St.

Construction Cost 776,146.00
Fee Percentage 9.00
Total Fee 69,853.14

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	69,853.14	100.00	69,853.14	69,853.14	0.00
Totals				69,853.14	69,853.14	0.00
Total Fee						0.00

Professional Personnel

	Hours	Rate	Amount
AUTO CAD TECHNICIAN			
Sullivan, Richard	1.00	85.00	85.00
Temple, Patricia	3.50	85.00	297.50
CONSTRUCTION OBSERVER			
Phillips, Michael	1.50	85.00	127.50
PROJECT ENGINEER			
Wallace, Kyle	1.00	150.00	150.00
Totals	7.00		660.00
Total Labor			660.00

Total this Phase \$660.00

Total this Invoice \$660.00

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



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

January 07, 2014
Project No: 1273-S001
Invoice No: 17812

Project Manager Kyle Wallace

Project 1273-S001 Columbia St, Corrine St, Duke Ave, Carlisle Dr., U.S Hwy 49 S, WST Tatum Blvd.

Professional Services from November 24, 2013 to December 28, 2013

Sewer I

Phase CM Construction Management - Columbia St.

Construction Cost 776,146.00
Fee Percentage 9.00
Total Fee 69,853.14

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	69,853.14	100.00	69,853.14	69,853.14	0.00
Totals				69,853.14	69,853.14	0.00
Total Fee						0.00

Professional Personnel

	Hours	Rate	Amount
PROJECT ENGINEER			
Sellers, Bennie	6.00	150.00	900.00
Totals	6.00		900.00
Total Labor			900.00
Total this Phase			\$900.00
Total this Invoice			\$900.00

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



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

September 04, 2013
Project No: 1273-S002
Invoice No: 17623

Project Manager Kyle Wallace

Project 1273-S002 Comprehensive Sewer Improvements - Ph II

Professional Services from July 28, 2013 to August 24, 2013

Phase	CM	Construction Management				
Construction Cost		1,692,234.28				
Fee Percentage		9.00				
Total Fee		152,301.09				
Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	152,301.09	100.00	152,301.09	152,301.09	0.00
Totals				152,301.09	152,301.09	0.00
		Total Fee				0.00

Professional Personnel

	Hours	Rate	Amount
AUTO CAD TECHNICIAN			
Sullivan, Richard	18.50	85.00	1,572.50
Temple, Patricia	2.00	85.00	170.00
CONSTRUCTION OBSERVER			
McLendon, Gerald	5.00	85.00	425.00
Tingle, William	93.00	85.00	7,905.00
FIELD CREW			
Crew, Field	22.00	150.00	3,300.00
PROJECT ENGINEER			
Wallace, Kyle	11.00	150.00	1,650.00
Totals	151.50		15,022.50
Total Labor			15,022.50

Total this Phase \$15,022.50

Total this Invoice \$15,022.50

Outstanding Invoices

Number	Date	Balance
15782	8/1/2013	20,457.50
Total		20,457.50

APPROVED FOR PAYMENT

DATE 9/10/13

SIGNATURE



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

September 25, 2013
Project No: 1273-S002
Invoice No: 17666

Project Manager Kyle Wallace

Project 1273-S002 Comprehensive Sewer Improvements - Ph II

Professional Services from August 25, 2013 to September 21, 2013

Phase	CM	Construction Management				
Construction Cost		1,692,234.28				
Fee Percentage		9.00				
Total Fee		152,301.09				
Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	152,301.09	100.00	152,301.09	152,301.09	0.00
		Totals		152,301.09	152,301.09	0.00
		Total Fee				0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Tingle, William	72.50	85.00	6,162.50	
PROJECT ENGINEER				
Wallace, Kyle	14.50	150.00	2,175.00	
Totals	87.00		8,337.50	
Total Labor				8,337.50
		Total this Phase		\$8,337.50
		Total this Invoice		\$8,337.50

Outstanding Invoices

Number	Date	Balance	
17623	9/4/2013	15,022.50	
Total		15,022.50	
		Total Now Due	\$23,360.00

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



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

October 31, 2013
Project No: 1273-S002
Invoice No: 17726

Project Manager Kyle Wallace

Project 1273-S002 Comprehensive Sewer Improvements - Ph II

Professional Services from September 29, 2013 to October 26, 2013

Phase	CM	Construction Management				
Construction Cost		1,692,234.28				
Fee Percentage		9.00				
Total Fee		152,301.09				
Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	152,301.09	100.00	152,301.09	152,301.09	0.00
Totals				152,301.09	152,301.09	0.00
		Total Fee				
						0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Tingle, William	73.50	85.00	6,247.50	
PROJECT ENGINEER				
Wallace, Kyle	15.00	150.00	2,250.00	
Totals	88.50		8,497.50	
Total Labor				8,497.50
			Total this Phase	\$8,497.50

Total this Invoice **\$8,497.50**

Outstanding Invoices

Number	Date	Balance
17623	9/4/2013	15,022.50
17666	9/25/2013	8,337.50
Total		23,360.00

Total Now Due **\$31,857.50**

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

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

December 02, 2013
Project No: 1273-S002
Invoice No: 17782

Project Manager Kyle Wallace

Project 1273-S002 Comprehensive Sewer Improvements - Ph II

Professional Services from October 27, 2013 to November 23, 2013

Phase CM Construction Management

Construction Cost 1,692,234.28
Fee Percentage 9.00
Total Fee 152,301.09

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	152,301.09	100.00	152,301.09	152,301.09	0.00
Totals				152,301.09	152,301.09	0.00
Total Fee						0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
Tingle, William	41.50	85.00	3,527.50
PROJECT ENGINEER			
Wallace, Kyle	3.00	150.00	450.00
Totals	44.50		3,977.50
Total Labor			3,977.50
Total this Phase			\$3,977.50
Total this Invoice			\$3,977.50

Outstanding Invoices

Number	Date	Balance
17623	9/4/2013	15,022.50
17666	9/25/2013	8,337.50
17726	10/31/2013	8,497.50
Total		31,857.50
Total Now Due		\$35,835.00



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

January 07, 2014
Project No: 1273-S002
Invoice No: 17811

Project Manager Kyle Wallace

Project 1273-S002 Comprehensive Sewer Improvements - Ph II

Professional Services from November 24, 2013 to December 28, 2013

Phase	CM	Construction Management				
Construction Cost		1,692,234.28				
Fee Percentage		9.00				
Total Fee		152,301.09				
Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	152,301.09	100.00	152,301.09	152,301.09	0.00
Totals				152,301.09	152,301.09	0.00
		Total Fee				0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Tingle, William	23.00	85.00	1,955.00	
Totals	23.00		1,955.00	
Total Labor				1,955.00
			Total this Phase	\$1,955.00
			Total this Invoice	\$1,955.00

Outstanding Invoices

Number	Date	Balance	
17623	9/4/2013	15,022.50	
17666	9/25/2013	8,337.50	
17726	10/31/2013	8,497.50	
17782	12/2/2013	3,977.50	
Total		35,835.00	
		Total Now Due	\$37,790.00

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



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

September 04, 2013
Project No: 1273-S003
Invoice No: 17624

Project Manager Kyle Wallace
Project 1273-S003 Comprehensive Sewer Improvements Ph III
Professional Services from July 28, 2013 to August 24, 2013

Phase	CM	Construction Management		
Construction Cost		1,632,964.92		
Fee Percentage		9.00		
Total Fee		146,966.84		
Percent Complete	100.00	Total Earned	146,966.84	
		Previous Fee Billing	146,966.84	
		Current Fee Billing	0.00	
		Total Fee		0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Jackson, Terry	122.50	85.00	10,412.50	
Tingle, William	14.00	85.00	1,190.00	
PROJECT ENGINEER				
Wallace, Kyle	11.50	150.00	1,725.00	
Totals	148.00		13,327.50	
Total Labor				13,327.50
		Total this Phase		\$13,327.50
		Total this Invoice		\$13,327.50

Outstanding Invoices

Number	Date	Balance	
15783	8/1/2013	23,427.50	
Total		23,427.50	
		Total Now Due	\$36,755.00

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

APPROVED FOR PAYMENT
DATE 9/10/13
SIGNATURE [Signature]



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

September 25, 2013
Project No: 1273-S003
Invoice No: 17667

Project Manager Kyle Wallace
Project 1273-S003 Comprehensive Sewer Improvements Ph III

Professional Services from August 25, 2013 to September 21, 2013

Phase	CM	Construction Management		
Construction Cost		1,632,964.92		
Fee Percentage		9.00		
Total Fee		146,966.84		
Percent Complete	100.00	Total Earned	146,966.84	
		Previous Fee Billing	146,966.84	
		Current Fee Billing	0.00	
		Total Fee		0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Jackson, Terry	90.00	85.00	7,650.00	
Tingle, William	27.00	85.00	2,295.00	
PROJECT ENGINEER				
Wallace, Kyle	3.00	150.00	450.00	
Totals	120.00		10,395.00	
Total Labor				10,395.00
		Total this Phase		\$10,395.00
		Total this Invoice		\$10,395.00

Outstanding Invoices

Number	Date	Balance	
17624	9/4/2013	13,327.50	
Total		13,327.50	
		Total Now Due	\$23,722.50

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



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

October 31, 2013
Project No: 1273-S003
Invoice No: 17728

Project Manager Kyle Wallace

Project 1273-S003 Comprehensive Sewer Improvements Ph III

Professional Services from September 29, 2013 to October 26, 2013

Phase CM Construction Management

Construction Cost	1,632,964.92		
Fee Percentage	9.00		
Total Fee	146,966.84		
Percent Complete	100.00	Total Earned	146,966.84
		Previous Fee Billing	146,966.84
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
Jackson, Terry	90.00	85.00	7,650.00
Tingle, William	55.50	85.00	4,717.50
PROJECT ENGINEER			
Wallace, Kyle	7.00	150.00	1,050.00
Totals	152.50		13,417.50
Total Labor			13,417.50
		Total this Phase	\$13,417.50
		Total this Invoice	\$13,417.50

Outstanding Invoices

Number	Date	Balance
17624	9/4/2013	13,327.50
17667	9/25/2013	10,395.00
Total		23,722.50
	Total Now Due	\$37,140.00

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



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

December 02, 2013
Project No: 1273-S003
Invoice No: 17783

Project Manager Kyle Wallace

Project 1273-S003 Comprehensive Sewer Improvements Ph III

Professional Services from October 27, 2013 to November 23, 2013

Phase CM Construction Management

Construction Cost	1,632,964.92		
Fee Percentage	9.00		
Total Fee	146,966.84		
Percent Complete	100.00	Total Earned	146,966.84
		Previous Fee Billing	146,966.84
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Jackson, Terry	90.00	85.00	7,650.00	
Tingle, William	6.00	85.00	510.00	
PROJECT ENGINEER				
Wallace, Kyle	4.00	150.00	600.00	
Totals	100.00		8,760.00	
Total Labor				8,760.00
		Total this Phase		\$8,760.00
		Total this Invoice		\$8,760.00

Outstanding Invoices

Number	Date	Balance	
17624	9/4/2013	13,327.50	
17667	9/25/2013	10,395.00	
17728	10/31/2013	13,417.50	
Total		37,140.00	
		Total Now Due	\$45,900.00

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



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

January 07, 2014
Project No: 1273-S003
Invoice No: 17810

Project Manager Kyle Wallace

Project 1273-S003 Comprehensive Sewer Improvements Ph III

Professional Services from November 24, 2013 to December 28, 2013

Phase CM Construction Management

Construction Cost	1,632,964.92		
Fee Percentage	9.00		
Total Fee	146,966.84		
Percent Complete	100.00	Total Earned	146,966.84
		Previous Fee Billing	146,966.84
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Jackson, Terry	46.50	85.00	3,952.50	
Tingle, William	2.00	85.00	170.00	
PROJECT ENGINEER				
Wallace, Kyle	2.00	150.00	300.00	
Totals	50.50		4,422.50	
Total Labor			4,422.50	
		Total this Phase	\$4,422.50	
		Total this Invoice	\$4,422.50	

Outstanding Invoices

Number	Date	Balance	
17624	9/4/2013	13,327.50	
17667	9/25/2013	10,395.00	
17728	10/31/2013	13,417.50	
17783	12/2/2013	8,760.00	
Total		45,900.00	
		Total Now Due	\$50,322.50



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

September 04, 2013
Project No: 1273-S004
Invoice No: 17627

Project Manager John Weeks
Project 1273-S004 Comprehensive Sewer Imp. Ph IV

Work - In - Progress

Professional Services from July 28, 2013 to August 24, 2013

Phase CM Construction Management

Construction Cost	509,240.00		
Fee Percentage	9.00		
Total Fee	45,831.60		
Percent Complete	100.00	Total Earned	45,831.60
		Previous Fee Billing	45,831.60
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
Phillips, Michael	13.00	85.00	1,105.00
Weeks, John	4.00	150.00	600.00
Totals	17.00		1,705.00
Total Labor			1,705.00

Total this Phase 1,705.00

Total this Invoice 1,705.00

Outstanding Invoices

Number	Date	Balance
17571	7/31/2013	7,312.50
Total		7,312.50

Total Now Due 9,017.50

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

APPROVED FOR PAYMENT

DATE 9/10/13

SIGNATURE



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

September 26, 2013
Project No: 1273-S004
Invoice No: 17685

Project Manager John Weeks
Project 1273-S004 Comprehensive Sewer Imp. Ph IV

Work - In - Progress

Professional Services from August 25, 2013 to September 21, 2013

Phase CM Construction Management

Construction Cost	509,240.00		
Fee Percentage	9.00		
Total Fee	45,831.60		
Percent Complete	100.00	Total Earned	45,831.60
		Previous Fee Billing	45,831.60
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
Phillips, Michael	1.00	85.00	85.00
Wallace, Kyle	4.00	150.00	600.00
Totals	5.00		685.00
Total Labor			685.00

Total this Phase \$685.00

Total this Invoice \$685.00

Outstanding Invoices

Number	Date	Balance
17627	9/4/2013	1,705.00
Total		1,705.00

Total Now Due \$2,390.00

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



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

November 27, 2013
Project No: 1273-S004
Invoice No: 17757

Project Manager John Weeks
Project 1273-S004 Comprehensive Sewer Imp. Ph IV

Work - In - Progress

Professional Services from October 27, 2013 to November 23, 2013

Phase CM Construction Management

Construction Cost	509,240.00		
Fee Percentage	9.00		
Total Fee	45,831.60		
Percent Complete	100.00	Total Earned	45,831.60
		Previous Fee Billing	45,831.60
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
Weeks, John	2.00	150.00	300.00
Totals	2.00		300.00
Total Labor			300.00
		Total this Phase	\$300.00

Total this Invoice **\$300.00**

Outstanding Invoices

Number	Date	Balance
17627	9/4/2013	1,705.00
17685	9/26/2013	685.00
Total		2,390.00

Total Now Due **\$2,690.00**

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



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

September 04, 2013
Project No: 1273-W004
Invoice No: 17626

Project Manager Kyle Wallace

Project 1273-W004 Comprehensive Water Improvement - Ph I

Professional Services from July 28, 2013 to August 24, 2013

Phase CM COMSWIP Water Imp PhI - Construction

Construction Cost	433,213.65		
Fee Percentage	9.00		
Total Fee	38,989.23		
Percent Complete	100.00	Total Earned	38,989.23
		Previous Fee Billing	38,989.23
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
McLendon, Gerald	74.00	85.00	6,290.00
Tingle, William	39.00	85.00	3,315.00
PROJECT ENGINEER			
Wallace, Kyle	3.00	150.00	450.00
Totals	116.00		10,055.00
Total Labor			10,055.00

Total this Phase **\$10,055.00**

Total this Invoice **\$10,055.00**

Outstanding Invoices

Number	Date	Balance
15787	8/1/2013	13,010.00
Total		13,010.00

Total Now Due **\$23,065.00**

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

APPROVED FOR PAYMENT

DATE

SIGNATURE



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

September 26, 2013
Project No: 1273-W004
Invoice No: 17673

Project Manager Kyle Wallace

Project 1273-W004 Comprehensive Water Improvement - Ph I

Professional Services from August 25, 2013 to September 21, 2013

Phase CM COMSWIP Water Imp PhI - Construction

Construction Cost	433,213.65		
Fee Percentage	9.00		
Total Fee	38,989.23		
Percent Complete	100.00	Total Earned	38,989.23
		Previous Fee Billing	38,989.23
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
McLendon, Gerald	40.00	85.00	3,400.00
Tingle, William	18.00	85.00	1,530.00
Totals	58.00		4,930.00
Total Labor			4,930.00

Total this Phase \$4,930.00

Total this Invoice \$4,930.00

Outstanding Invoices

Number	Date	Balance
17626	9/4/2013	10,055.00
Total		10,055.00

Total Now Due \$14,985.00

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



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

October 31, 2013
Project No: 1273-W004
Invoice No: 17731

Project Manager Kyle Wallace

Project 1273-W004 Comprehensive Water Improvement - Ph I

Professional Services from October 01, 2013 to October 31, 2013

Phase CM COMSWIP Water Imp PhI - Construction

Construction Cost	433,213.65		
Fee Percentage	9.00		
Total Fee	38,989.23		
Percent Complete	100.00	Total Earned	38,989.23
		Previous Fee Billing	38,989.23
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount	
AUTO CAD TECHNICIAN				
Sullivan, Richard	.50	85.00	42.50	
CONSTRUCTION OBSERVER				
McLendon, Gerald	62.00	85.00	5,270.00	
Tingle, William	4.00	85.00	340.00	
Totals	66.50		5,652.50	
Total Labor				5,652.50
		Total this Phase		\$5,652.50
		Total this Invoice		\$5,652.50

Outstanding Invoices

Number	Date	Balance	
17626	9/4/2013	10,055.00	
17673	9/26/2013	4,930.00	
Total		14,985.00	
		Total Now Due	\$20,637.50

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



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

December 02, 2013
Project No: 1273-W004
Invoice No: 17787

Project Manager Kyle Wallace

Project 1273-W004 Comprehensive Water Improvement - Ph I

Professional Services from October 27, 2013 to November 23, 2013

Phase CM COMSWIP Water Imp PhI - Construction

Construction Cost	433,213.65		
Fee Percentage	9.00		
Total Fee	38,989.23		
Percent Complete	100.00	Total Earned	38,989.23
		Previous Fee Billing	38,989.23
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
McLendon, Gerald	4.00	85.00	340.00
PROJECT ENGINEER			
Wallace, Kyle	3.00	150.00	450.00
Totals	7.00		790.00
Total Labor			790.00

Total this Phase **\$790.00**

Total this Invoice **\$790.00**

Outstanding Invoices

Number	Date	Balance
17626	9/4/2013	10,055.00
17673	9/26/2013	4,930.00
17731	10/31/2013	5,652.50
Total		20,637.50

Total Now Due **\$21,427.50**

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

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

January 07, 2014
Project No: 1273-W004
Invoice No: 17807

Project Manager Kyle Wallace

Project 1273-W004 Comprehensive Water Improvement - Ph I

Professional Services from November 24, 2013 to December 28, 2013

Phase CM COMSWIP Water Imp PhI - Construction

Construction Cost	433,213.65		
Fee Percentage	9.00		
Total Fee	38,989.23		
Percent Complete	100.00	Total Earned	38,989.23
		Previous Fee Billing	38,989.23
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
McLendon, Gerald	4.00	85.00	340.00	
PROJECT ENGINEER				
Sellers, Bennie	3.00	150.00	450.00	
Totals	7.00		790.00	
Total Labor				790.00
		Total this Phase		\$790.00
		Total this Invoice		\$790.00

Outstanding Invoices

Number	Date	Balance	
17626	9/4/2013	10,055.00	
17673	9/26/2013	4,930.00	
17731	10/31/2013	5,652.50	
17787	12/2/2013	790.00	
Total		21,427.50	
		Total Now Due	\$22,217.50

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



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

January 07, 2014
Project No: 1273-W006
Invoice No: 17826

Project Manager John Weeks
Project 1273-W006 Wesley WTP Well
Professional Services from November 01, 2013 to December 28, 2013
Professional Personnel

	Hours	Rate	Amount	
Weeks, John	17.00	150.00	2,550.00	
AUTO CAD TECHNICIAN				
Sullivan, Richard	13.00	85.00	1,105.00	
FIELD CREW				
Crew, Field	15.00	150.00	2,250.00	
Totals	45.00		5,905.00	
Total Labor				5,905.00
		Total this Invoice		\$5,905.00

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



Engineering Progress

January 24, 2014

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-898

Attn: Mayor Johnny L. Dupree, Ph. D.

Re: Sewer Phase 2 - ComSWIP
City of Hattiesburg

Hensley R Lee

Dear Mayor Dupree,

Enclosed please find Pay Estimate No. 11 in the amount of \$80,119.38 for the above referenced project.

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

Sincerely,

Kyle D. Wallace, P.E.
Project Engineer

/rs

enclosure

cc: Steve Tingle
Hensley R. Lee Contracting

105695.7220.50

MB 2012-11-422

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

GA\PROJECTS\Hattiesburg_City Of\1273-S002 - Comprehensive Sewer Improvements - Phase II\Corres\1273S002_Hattiesburg_Pay Estimate 11.Docx

Date: 1/24/2014

Project: Comprehensive Sewer Improvements Phase II

City of Hattiesburg

Contractor: Hensley R. Lee Contracting Inc.

311 Acorn St. Picaayune, MS 39466

Pay Estimate No.: Eleven (11)

Pay Period: 12/1/2013 - 1/24/2014

Item No.	Item Description	Quantities		Price Est.	On Cont	This Period	Allowed	To Date	Unit	Price	Amount

\$1,485,051.50

	SITE 2 - CORINE STREET										
1	8" SDR 26 PVC Sewer Pipe (6'-8')	614		608.00	LF	\$	26.00	\$	15,808.00		
2	8" SDR 26 PVC Sewer Pipe (8'-10')	12		3.00	LF	\$	28.00	\$	84.00		
3	10" SDR 26 PVC Sewer Pipe (6'-8')	80		37.00	LF	\$	28.00	\$	1,036.00		
4	10" SDR 26 PVC Sewer Pipe (8'-10')	308		337.00	LF	\$	31.00	\$	10,447.00		
5	10" SDR 26 PVC Sewer Pipe (10'-12')	298		221.00	LF	\$	35.00	\$	7,735.00		
6	10" SDR 26 PVC Sewer Pipe (12'-14')	259		351.00	LF	\$	41.00	\$	14,391.00		
7	12" SDR 26 PVC Sewer Pipe (0'-6')	474		369.00	LF	\$	28.00	\$	10,332.00		
8	12" SDR 26 PVC Sewer Pipe (6'-8')	90		125.00	LF	\$	32.00	\$	4,000.00		
9	10" DR 11 HDPE Sewer Pipe (Directional Bore)(All Depths)	521		521.00	LF	\$	150.00	\$	78,150.00		
10	48" Precast Concrete Sewer Manhole (0'-6')	1		1.00	EA	\$	1,700.00	\$	1,700.00		
11	48" Precast Concrete Sewer Manhole (6'-8')	4		3.00	EA	\$	1,900.00	\$	5,700.00		
12	48" Precast Concrete Sewer Manhole (8'-10')	2		2.00	EA	\$	2,200.00	\$	4,400.00		
13	48" Precast Concrete Sewer Manhole (10'-12')	1		1.00	EA	\$	2,700.00	\$	2,700.00		
14	48" Precast Concrete Sewer Manhole (12'-14')	2		1.00	EA	\$	3,000.00	\$	3,000.00		
15	60" Precast Concrete Sewer Manhole (0'-6')	1		1.00	EA	\$	3,200.00	\$	3,200.00		
16	Drop Manhole Assembly (All Depths)	6		1.00	EA	\$	800.00	\$	800.00		
17	Demolition and Removal of Existing Manhole	10		7.00	EA	\$	500.00	\$	3,500.00		
18	Demolition and Removal of Existing Gander Station	1	1.00	1.00	LS	\$	1,000.00	\$	1,000.00		
19	6" SDR 26 PVC Sewer Pipe for Services (All Depths)	805		1098.50	LF	\$	12.00	\$	13,158.00		
20	8"x6"x6" PVC Tee	5		9.00	EA	\$	175.00	\$	1,575.00		
21	10"x10"x6" PVC Tee	9		16.00	EA	\$	230.00	\$	3,880.00		
22	12"x12"x6" PVC Tee	3		6.00	EA	\$	275.00	\$	1,650.00		
23	6" PVC Cleanout	12		28.00	EA	\$	310.00	\$	8,680.00		
24	Crushed Aggregate (Size 825)	736		695.88	Ton	\$	35.00	\$	20,855.80		
25	Select Fill Material (Class 9, Group C), LVM	2,251		3824.55	CY	\$	12.00	\$	45,894.60		
26	Concrete Pavement Repair (All Depths)	10		24.90	SY	\$	30.00	\$	747.00		
27	Asphalt Pavement Repair (All Depths)	1,670		4013.555	SY	\$	22.00	\$	88,298.21		
28	Demolition and Removal of Storm Sewer Pipe (All Sizes & Depths)	328		41.00	LF	\$	8.00	\$	328.00		
29	15" Reinforced Concrete Pipe, Class III, Rubber Gaskets	32			LF	\$	32.00	\$	-		
30	18" Reinforced Concrete Pipe, Class III, Rubber Gaskets	96		8.00	LF	\$	34.00	\$	272.00		

31	24" Reinforced Concrete Pipe, Class III, Rubber Gaskets	160		33.00	LF	\$	42.00	\$	1,386.00
32	30" Reinforced Concrete Pipe, Class III, Rubber Gaskets	40			LF	\$	55.00	\$	-
33	Class "B" Concrete, Minor Structures	7			CY	\$	250.00	\$	-
34	Grassing	1			LS	\$	2,500.00	\$	2,500.00
35	Erosion Control	1	50%		LS	\$	2,500.00	\$	1,250.00
36	Mobilization	1			LS	\$	15,000.00	\$	15,000.00
37	Maintenance of Traffic	1			LS	\$	10,000.00	\$	10,000.00
							subtotal	\$	383,257.61

SITE 4 - WEATHERSBY ROAD									
68	6" PVC Sewer Pipe Force Main (All Depths)	10	10.00	LF	\$	8.00	\$	80.00	
69	8" SDR 26 PVC Sewer Pipe (0'-6')	40	27.00	LF	\$	23.00	\$	621.00	
70	8" SDR 26 PVC Sewer Pipe (6'-8')	40	17.00	LF	\$	24.00	\$	408.00	
71	8" SDR 26 PVC Sewer Pipe (8'-10')	90	85.00	LF	\$	26.00	\$	2,210.00	
72	8" SDR 26 PVC Sewer Pipe (10'-12')	130	37.00	LF	\$	30.00	\$	1,110.00	
73	8" SDR 26 PVC Sewer Pipe (12'-14')	280	436.00	LF	\$	36.00	\$	15,696.00	
74	8" SDR 26 PVC Sewer Pipe (14'-16')	220	259.00	LF	\$	43.00	\$	11,137.00	
75	15" SDR 26 PVC Sewer Pipe (0'-6')	60		LF	\$	23.00	\$	-	
76	15" SDR 26 PVC Sewer Pipe (6'-8')	0		LF	\$	37.00	\$	-	
77	15" SDR 26 PVC Sewer Pipe (8'-10')	5	36.00	LF	\$	38.00	\$	1,368.00	
78	15" SDR 26 PVC Sewer Pipe (10'-12')	21	47.00	LF	\$	42.00	\$	1,974.00	
79	15" SDR 26 PVC Sewer Pipe (12'-14')	120	47.00	LF	\$	48.00	\$	2,256.00	
80	15" SDR 26 PVC Sewer Pipe (14'-16')	110	116.00	LF	\$	55.00	\$	6,380.00	
81	8" Ductile Iron Sewer Pipe (0'-6')	161	108.00	LF	\$	55.00	\$	5,940.00	
82	24" Steel Casing (0.25" WT) (Bored)	60	23.684	LF	\$	190.00	\$	4,499.96	
83	Abandonment of Existing Sewer Line	250	246.00	LF	\$	4.00	\$	984.00	
84	48" Precast Concrete Sewer Manhole (0'-6')	1	1.00	EA	\$	1,500.00	\$	1,500.00	
85	48" Precast Concrete Sewer Manhole (6'-8')	1	1.00	EA	\$	1,800.00	\$	1,800.00	
86	48" Precast Concrete Sewer Manhole (8'-10')	0		EA	\$	2,100.00	\$	-	
87	48" Precast Concrete Sewer Manhole (10'-12')	1		EA	\$	2,500.00	\$	-	
88	48" Precast Concrete Sewer Manhole (12'-14')	1	2.00	EA	\$	2,800.00	\$	5,600.00	
89	60" Precast Concrete Sewer Manhole (12'-14')	1		EA	\$	6,000.00	\$	-	
90	60" Precast Concrete Sewer Manhole (14'-16')	1	2.00	EA	\$	7,200.00	\$	14,400.00	
91	6" SDR 26 PVC Sewer Pipe for Services (All Depths)	92	161.00	LF	\$	12.00	\$	1,932.00	
92	8"x6" PVC Tee	3	4.00	EA	\$	175.00	\$	700.00	
93	6" PVC Cleanout	4	5.00	EA	\$	310.00	\$	1,550.00	
94	Crushed Aggregate (Size 825)	185	206.939	Ton	\$	35.00	\$	7,242.87	
95	Select Fill Material (Class 9, Group C), LVM	565	587.50	CU	\$	12.00	\$	7,050.00	
96	Concrete Pavement Repair (All Depths)	268		SY	\$	30.00	\$	-	
97	Asphalt Pavement Repair (All Depths)	148	71.52	SY	\$	22.00	\$	1,573.44	
98	18" Reinforced Concrete Pipe, Class III, Rubber Gaskets	8		LF	\$	34.00	\$	-	
99	Class "B" Concrete, Minor Structures	2		CY	\$	250.00	\$	-	
100	Modular Block Retaining Wall	240		SF	\$	25.00	\$	-	
101	Grassing	1		LS	\$	2,500.00	\$	-	
102	Temporary Erosion Control	1	50%	LS	\$	2,500.00	\$	1,250.00	
103	Mobilization	1		LS	\$	15,000.00	\$	15,000.00	
104	Maintenance of Traffic	1	100%	LS	\$	15,000.00	\$	15,000.00	
						subtotal	\$	129,262.27	

\$154,249.00

[illegible]

Comprehensive Sewer Improvements - Phase II
City of Hattiesburg
Stored Materials

Pay Estimate: No.11

Item No.	Item Description	Quantity	Unit	Price	Amount
1	Precast Concrete Manholes	1		\$	11,509.91
2				\$	-
3				\$	-
4				\$	-
5				\$	-
6				\$	-
7				\$	-
				\$	11,509.91

Precast Manholes

SMH #1=	\$ 1,758.73
SMH #2=	\$ 2,043.74
SMH #3=	\$ 1,385.74
SMH #4=	\$ 1,262.74
SMH #5=	\$ 1,127.74
SMH #6=	\$ 1,165.74
SMH #7=	\$ 1,224.74
SMH #8=	\$ 1,540.74
TOTAL:	\$ 11,509.91

SANITARY SEWER SCHEDULE

START DATE	January 20 2018
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COMPLETION DATE August 17, 2013

[illegible]



Engineering Progress

January 14, 2014

Mayor Johnny L. Dupree, Ph. D.
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-898

Re: Sewer Phase 3 – ComSWIP
City of Hattiesburg *Jay Bearden Construction*

Mayor:

Enclosed please find Pay Estimate No. 8 in the amount of \$179,495.38 for the above referenced project.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'K. Wallace'.

Kyle D. Wallace, P.E.
Project Engineer

/rs

Enclosure

cc: Terry Jackson
Jay Bearden Construction, Inc.

105695.7220.01

MB 2012-1/387

SHOWS, DEARMAN & WAITS, INC. - CONSULTING ENGINEERS -

Date: 1/14/14

Project: Comprehensive Sewer Improvements Phase III

City of Hattiesburg

Contractor: Jay Bearden Construction, Inc.

P.O. Box 180428 Richland, MS 39218

Pay Estimate No.: Eight (8)

Pay Period: 10/28/13 - 1/10/14

Item No.	Item Description	Total Quantities				Unit	Amount
		Quantity	Allowed This Period	Allowed To Date	Unit	Price	
		On Contract					
CONTRACT TOTAL:							\$1,632,964.92

	SITE 5 - MOBILE STREET AREA						\$997,286.01
1	8" SDR 26 PVC Sewer Pipe (0'-6')	1,298		1192.00	Lin. Ft.	\$ 36.63	\$ 43,662.96
2	8" SDR 26 PVC Sewer Pipe (6'-8')	1,215		1349.00	Lin. Ft.	\$ 43.53	\$ 58,721.97
3	8" SDR 26 PVC Sewer Pipe (8'-10')	683		769.00	Lin. Ft.	\$ 50.43	\$ 38,780.67
4	8" SDR 26 PVC Sewer Pipe (10'-12')	200		237.00	Lin. Ft.	\$ 57.33	\$ 13,587.21
5	15" SDR 26 PVC Sewer Pipe (6'-8')	533		538.00	Lin. Ft.	\$ 55.90	\$ 30,074.20
6	15" SDR 26 PVC Sewer Pipe (8'-10')	676		659.00	Lin. Ft.	\$ 62.80	\$ 41,385.20
7	15" SDR 26 PVC Sewer Pipe (10'-12')	488		773.00	Lin. Ft.	\$ 69.70	\$ 53,878.10
8	15" SDR 26 PVC Sewer Pipe (12'-14')	601		324.00	Lin. Ft.	\$ 76.60	\$ 24,818.40
9	Abandonment of Existing Sewer Line	5,478		5461.40	Lin. Ft.	\$ 4.00	\$ 21,845.60
10	48" Precast Concrete Sewer Manhole (0'-6')	7		7.00	Each	\$ 1,737.11	\$ 12,159.77
11	48" Precast Concrete Sewer Manhole (6'-8')	4		3.00	Each	\$ 2,124.66	\$ 6,373.98
12	48" Precast Concrete Sewer Manhole (8'-10')	2		2.00	Each	\$ 2,512.20	\$ 5,024.40
13	60" Precast Concrete Sewer Manhole (6'-8')	2		2.00	Each	\$ 4,138.00	\$ 8,276.00
14	60" Precast Concrete Sewer Manhole (8'-10')	3		3.00	Each	\$ 4,874.00	\$ 14,622.00
15	60" Precast Concrete Sewer Manhole (10'-12')	3		3.00	Each	\$ 5,611.00	\$ 16,833.00
16	60" Precast Concrete Sewer Manhole (12'-14')	2		3.00	Each	\$ 6,347.00	\$ 19,041.00
17	Demolition and Removal of Existing Manhole	2		3.00	Each	\$ 1,000.00	\$ 3,000.00
18	Abandonment of Existing Manhole	20		17.00	Each	\$ 1,000.00	\$ 17,000.00
19	4" SDR 26 PVC Sewer Pipe for Services (All Depths)	216		166.35	Lin. Ft.	\$ 10.52	\$ 1,750.00
20	6" SDR 26 PVC Sewer Pipe for Services (All Depths)	1,884		1254.00	Lin. Ft.	\$ 14.37	\$ 18,019.98
21	8"x8"x6" PVC Tee	42		33.00	Each	\$ 161.00	\$ 5,313.00
22	15"x15"x6" PVC Tee	17		13.00	Each	\$ 393.00	\$ 5,109.00
23	6" PVC Cleanout	56		45.00	Each	\$ 202.00	\$ 9,090.00
24	Crushed Aggregate (Size 825)	2,629	177.50	3571.65	Ton	\$ 49.50	\$ 176,796.68
25	Select Fill Material (Class 9, Group C), LVM	8,060		6234.50	Cu. Yd.	\$ 8.00	\$ 49,876.00
26	Concrete Pavement Repair (All Depths)	137	120.00	120.00	Sq. Yd.	\$ 65.00	\$ 7,800.00
27	Asphalt Pavement Repair (All Depths)	5,832	4628.00	5832.00	Sq. Yd.	\$ 32.45	\$ 189,248.40
28	Concrete Curb & Gutter (Match Existing Type)	145	28.00	88.00	Lin. Ft.	\$ 20.00	\$ 1,760.00
29	Demolition and Removal of Storm Sewer Pipe (All Sizes & Depths)	428		48.00	Lin. Ft.	\$ 15.00	\$ 720.00
30	10" Reinforced Concrete Pipe, Class III, Rubber Gaskets	32			Lin. Ft.	\$ 29.25	\$ -
31	12" Reinforced Concrete Pipe, Class III, Rubber Gaskets	90		32.00	Lin. Ft.	\$ 29.25	\$ 936.00
32	15" Reinforced Concrete Pipe, Class III, Rubber Gaskets	178		38.00	Lin. Ft.	\$ 33.50	\$ 1,273.00
33	18" Reinforced Concrete Pipe, Class III, Rubber Gaskets	32			Lin. Ft.	\$ 37.50	\$ -
34	24" Reinforced Concrete Pipe, Class III, Rubber Gaskets	32			Lin. Ft.	\$ 51.50	\$ -
35	22"x13" Reinforced Concrete Arch Pipe, Class III, Flexible Plastic Gaskets	32			Lin. Ft.	\$ 57.50	\$ -
36	29"x18" Reinforced Concrete Arch Pipe, Class III, Flexible Plastic Gaskets	64			Lin. Ft.	\$ 64.50	\$ -
37	36"x23" Reinforced Concrete Arch Pipe, Class III, Flexible Plastic Gaskets	12		12.00	Lin. Ft.	\$ 90.61	\$ 1,087.32
38	Class "B" Concrete, Minor Structures	10		2.00	Cu. Yd.	\$ 1,200.00	\$ 2,400.00
39	Grassing	1	90%	90%	L.S.	\$ 5,000.00	\$ 4,500.00
40	Erosion Control	1		50%	L.S.	\$ 10,000.00	\$ 5,000.00
41	Mobilization	1		100%	L.S.	\$ 54,000.00	\$ 54,000.00
42	Maintenance of Traffic	1	25%	100%	L.S.	\$ 20,000.00	\$ 20,000.00
					subtotal		\$ 983,763.84

Percent Complete:	101%	Total Earned - Regular Work	\$ 1,645,252.12
Time Elapsed to date:	149%	Less 10% Retainage	\$ 164,525.21
		Stored Materials	
		Total Due - Regular Work	\$ 1,480,726.91
		Less Previous Payments	\$ 1,301,231.53
		Net Amount Due This Estimate	\$ 179,495.38
		Less Deductions	\$ -
		Net Payment Due	\$ 179,495.38


Project Engineer

OWNER



December 18, 2013
Project No: HR.11001.007
Invoice No: 011001-07-2 (FINAL)

City of Hattiesburg
Attn: Director of Engineering
PO Box 1898
Hattiesburg, MS 39403-1898

Project HR.11001.007 Task Order #7 -- No -- Discharge WWT

Professional Services from September 1, 2013 to October 31, 2013

Fee

Total Fee	\$60,810.00		
Percent Complete	99.87	Total Earned	\$60,732.34
		Previous Fee	\$25,093.49
		Current Fee Billing	\$35,638.85
		Total Fee	\$35,638.85
		Total this Task Order	\$35,638.85

(see the itemized invoice attached)

The following items of work were completed:

1. Contract Negotiations
2. Meetings with Groundworx, LLC & City of Hattiesburg

Certification

I, the undersigned, do hereby certify that the above invoice reflects a true and accurate accounting of the records of HRG, LLC and that the amount has not been paid or previously invoiced.

By: Michael W. Hines
Title: Vice President

105695.6015
MB 2013-1/219



December 18, 2013
Project No: HR.11001.007
Invoice No: 011001-07-2 (FINAL)

City of Hattiesburg
Attn: Director of Engineering
PO Box 1898
Hattiesburg, MS 39403-1898

Project HR.11001.007 Task Order #7 – No Discharge WWT

Professional Services from September 1, 2013 to October 31, 2013

Labor for Neel-Schaffer, Inc.

Mike Essary – Engineer Manager	68.0 hours @ \$166.05	\$11,291.40
Michelle Gill – Engineer Intern II	4.00 hours @ \$77.14	\$308.56
Stan Keely – Project Engineer	23.0 hours @ \$171.97	\$3,955.31
Nathan Husman – Engineer Manager	38.0 hours @ \$158.92	\$6,038.96
Jennifer Nobles – Admin Svc Manager	0.50 hours @ \$63.80	\$31.90
Total N-S labor		\$21,626.13

Labor for SDW

Shea McNease – Project Engineer	100.5 hours @ \$139.43	\$14,012.72
Total SDW labor		\$14,012.72

Total this Invoice \$35,638.85

Billing Limits	Current	Prior	To-Date
Total Billings	\$35,638.85	\$25,093.49	\$60,732.34
Contract Amount			\$60,810.00
Fee Remaining			\$77.66

Federal Tax ID 45-2475863
(Please remit payment to: P. O. Box 22625, Jackson, MS 39225-2625)

Hattiesburg, Mississippi does hereby certify to Hancock 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 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 December 19, 2013 (the “Loan Agreement”).
- (4) The payment herein authorized and approved is a proper charge against the 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)

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. 1 from the Project Fund Construction Account in connection with the loan agreement between the Mississippi Development Bank and the City dated December 19, 2013. After discussion of the subject, Council Member Carroll 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. 1 FROM THE PROJECT FUND CONSTRUCTION
ACCOUNT IN CONNECTION WITH THAT CERTAIN LOAN
AGREEMENT, DATED AS OF DECEMBER 19, 2013, BY AND BETWEEN
THE MISSISSIPPI DEVELOPMENT BANK AND THE CITY.**

Whereas, on _____, 2013 the City entered into a loan with the Mississippi Development Bank in an amount not to exceed \$28,000,000 (the "Loan") pursuant to the terms and conditions of that certain loan agreement, dated as of December 19, 2013, 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. 1 from the Project Fund Construction Account under the Loan in the total aggregate amount of \$485,786.60 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. 1 from the Project Fund Construction Account under the Loan in the total aggregate amount of Four hundred eighty-five thousand seven hundred eighty-six & 60/100 dollars (\$485,786.60) 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 Hancock Bank, as Trustee to disburse funds of Requisition No. 1 in the total aggregate amount of Four hundred eighty-five thousand seven hundred eighty-six & 60/100 dollars (\$485,786.60) 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 Carroll, seconded by Council Member Dryden, and was adopted by the following roll call vote, to wit:

YEAS: Bradley
Delgado
Carroll
Dryden
Naylor

NAYS: None

The President thereby declared the motion carried and the resolution adopted, this the 4th day of February, 2014.

(SEAL)

ATTEST:

Dulce K. Bernardo
CLERK OF COUNCIL

ADOPTED:

K. Bradley
PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor, this the 4th day of February, 2014.

Connie Everett (sc)
CITY CLERK

Johnny Schuler
MAYOR

EXHIBIT A

PROJECT FUND CONSTRUCTION ACCOUNT REQUISITION

EXHIBIT A

PROJECT FUND CONSTRUCTION ACCOUNT REQUISITION

RE: \$28,000,000.00 Mississippi Development Bank Special Obligation Bonds, Series 2013 (Hattiesburg, Mississippi Combined Water and Sewer System Refunding and Construction Project) (the "Bonds") secured by \$28,000,000.00 Promissory Note (Hattiesburg, Mississippi Combined Water and Sewer System Refunding and Construction Project) (the "Note").

TO: Hancock Bank
The Quarter Specialty Center
1855 Lakeland Drive, Suite Q-230
Jackson, Mississippi 39216
ATTN: Trust and Financial Services Group

REQUISITION NO.: 1

DATE OF REQUISITION: 2/4/2014

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
1.	Hensley R. Lee Contracting Inc. 311 Acorn St Picayune, MS 39466	105695.7220.50	\$ 80,119.38	Pay App No. 11	Construction on COMSWIP Sewer Phase II for period 12/1/13 - 1/24/14 MB 2012-1/422
2.	Jay Bearden Construction, Inc. P O Box 180428 Richland, MS 39218	105695.7220.01	\$ 179,495.38	Pay App No. 8	Construction on COMSWIP Sewer Phase III for period 10/28/13 - 1/10/14, MB 2012-1/387
3.	Shows, Dearman, & Walts, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.03	\$ 1,310.00	17729	Hwy 98 Booster Station Period: 9/29/13 - 10/26/13 2011-4/89-110
4.	Shows, Dearman, & Walts, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.03	\$ 675.00	17785	Hwy 98 Booster Station Period: 10/27/13 - 11/23/13 2011-4/89-110
5.	Shows, Dearman, & Walts, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.03	\$ 975.00	17809	Hwy 98 Booster Station Period: 11/24/13 - 12/28/13 2011-4/89-110
6.	Shows, Dearman, & Walts, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.04	\$ 12,520.00	17625	Hwy 98 Elevated Water Tank Period: 7/28/13 - 8/24/13 2011-4/89-110

EXHIBIT A

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
7.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.04	\$ 14,000.00	17672	Hwy 98 Elevated Water Tank Period: 8/25/13 - 9/21/13 2011-4/89-110
8.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.04	\$ 14,175.00	17730	Hwy 98 Elevated Water Tank Period: 9/29/13 - 10/26/13 2011-4/89-110
8.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.04	\$ 7,685.00	17786	Hwy 98 Elevated Water Tank Period: 10/27/13 - 11/23/13 2011-4/89-110
10.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.04	\$ 3,105.00	17608	Hwy 98 Elevated Water Tank Period: 11/24/13 - 12/28/13 2011-4/89-110
11.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.28	\$ 825.00	17727	Hwy 98 Fire Lines Period: 9/29/13 - 10/26/13 2011-4/89-110
12.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.28	\$ 450.00	17784	Hwy 98 Fire Lines Period: 10/27/13 - 11/23/13 2011-4/89-110
13.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.6015	\$ 3,150.00	17631	Comprehensive Sanitary Sewer Study Task 1 Period: 11/1/13 - 12/28/13 2013-1/303
14.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.01	\$ 1,247.61	17628	James St Water Well # 3 Period: 7/28/13 - 8/24/13 2011-4/89-110
15.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.01	\$ 2,762.04	17688	James St Water Well # 3 Period: 8/25/13 - 9/21/13 2011-4/89-110
16.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7246.01	\$ 4,086.14	17709	James St Water Well # 3 Period: 9/29/13 - 10/26/13 2011-4/89-110

EXHIBIT A

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
17.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.01	\$ 1,552.20	17758	James St Water Well # 3 Period: 10/27/13 - 11/23/13 2011-4/89-110
18.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.49	\$ 1,550.00	17622	Sewer Improvements Ph I Period: 7/28/13 - 8/24/13 2011-4/89-110
19.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.49	\$ 660.00	17665	Sewer Improvements Ph I Period: 8/25/13 - 9/21/13 2011-4/89-110
20.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.49	\$ 900.00	17812	Sewer Improvements Ph I Period: 11/24/13 - 12/28/13 2011-4/89-110
21.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.50	\$ 15,022.50	17623	Sewer Improvements Ph II Period: 7/28/13 - 8/24/13 2011-4/89-110
22.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.50	\$ 8,337.50	17665	Sewer Improvements Ph II Period: 8/25/13 - 9/21/13 2011-4/89-110
23.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.50	\$ 8,497.50	17726	Sewer Improvements Ph II Period: 9/29/13 - 10/26/13 2011-4/89-110
24.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.50	\$ 3,977.50	17762	Sewer Improvements Ph II Period: 10/27/13 - 11/23/13 2011-4/89-110
25.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.50	\$ 1,955.00	17811	Sewer Improvements Ph II Period: 11/24/13 - 12/28/13 2011-4/89-110
26.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711	105695.7220.01	\$ 13,327.50	17624	Sewer Improvements Ph III Period: 7/28/13 - 8/24/13 2011-4/89-110

EXHIBIT A

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
27.	Hattiesburg, MS 39403-1711 Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.01	\$ 10,395.00	17667	Sewer Improvements Ph III Period: 8/25/13 - 9/21/13 2011-4/89-110
28.	Hattiesburg, MS 39403-1711 Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.01	\$ 13,417.50	17728	Sewer Improvements Ph III Period: 9/29/13 - 10/26/13 2011-4/89-110
29.	Hattiesburg, MS 39403-1711 Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.01	\$ 8,760.00	17783	Sewer Improvements Ph III Period: 10/27/13 - 11/23/13 2011-4/89-110
30.	Hattiesburg, MS 39403-1711 Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.01	\$ 4,422.50	17810	Sewer Improvements Ph III Period: 11/24/13 - 12/28/13 2011-4/89-110
31.	Hattiesburg, MS 39403-1711 Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.51	\$ 1,705.00	17627	Sewer Improvements Ph IV Period: 7/28/13 - 8/24/13 2011-4/89-110
32.	Hattiesburg, MS 39403-1711 Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.51	\$ 685.00	17685	Sewer Improvements Ph IV Period: 8/25/13 - 9/21/13 2011-4/89-110
33.	Hattiesburg, MS 39403-1711 Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7220.51	\$ 300.00	17757	Sewer Improvements Ph IV Period: 10/27/13 - 11/23/13 2011-4/89-110
34.	Hattiesburg, MS 39403-1711 Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.50	\$ 10,055.00	17626	Water Improvements Ph I Period: 7/28/13 - 8/24/13 2011-4/89-110
35.	Hattiesburg, MS 39403-1711 Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.50	\$ 4,930.00	17673	Water Improvements Ph I Period: 8/25/13 - 9/21/13 2011-4/89-110
36.	Hattiesburg, MS 39403-1711 Shows, Dearman, & Waits, Inc. 301 Second Ave	105695.7245.50	\$ 5,652.50	17731	Water Improvements Ph I Period: 10/1/13 - 10/31/13

EXHIBIT A

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
	P O Box 1711 Hattiesburg, MS 39403-1711				2011-4/89-110
37.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.50	\$ 790.00	17787	Water Improvements Ph I Period: 10/27/13 - 11/23/13 2011-4/89-110
38.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.50	\$ 790.00	17807	Water Improvements Ph I Period: 11/24/13 - 12/28/13 2011-4/89-110
39.	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.7245.09	\$ 5,905.00	17826	Wesley Water Well # 2 Period: 11/1/13 - 12/28/13 2011-4/89-110
40.	HRG P O Box 22625 Jackson, MS 39225-2625	105695.6015	\$ 35,638.85	011001-07-2 Final	No-Discharge Wastewater Treatment System Period: 9/1/13 - 10/31/13 2013-1/219

\$ 485,786.60



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

October 31, 2013
Project No: 1273-W002
Invoice No: 17729

Project Manager Kyle Wallace
Project 1273-W002 Hwy 98 West Booster Station

Professional Services from September 29, 2013 to October 26, 2013

Phase CM Hwy 98 W Booster Sta - Construction Mgmt
Professional Personnel

	Hours	Rate	Amount
Construction Observer			
McLendon, Gerald	11.00	85.00	935.00
Project Engineer			
Wallace, Kyle	2.50	150.00	375.00
Totals	13.50		1,310.00
Total Labor			1,310.00
Total this Phase			\$1,310.00
Total this Invoice			\$1,310.00

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

105695.7245.03
MB 2011-4/89-110



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

December 02, 2013
Project No: 1273-W002
Invoice No: 17785

Project Manager Kyle Wallace

Project 1273-W002 Hwy 98 West Booster Station

Professional Services from October 27, 2013 to November 23, 2013

Phase CM Hwy 98 W Booster Sta - Construction Mgmt

Professional Personnel

	Hours	Rate	Amount	
Project Engineer				
Wallace, Kyle	4.50	150.00	675.00	
Totals	4.50		675.00	
Total Labor				675.00
		Total this Phase		\$675.00
		Total this Invoice		\$675.00

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

105695.7245,03
MB 2011-4/89-110



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

January 07, 2014
Project No: 1273-W002
Invoice No: 17809

Project Manager Kyle Wallace

Project 1273-W002 Hwy 98 West Booster Station

Professional Services from November 24, 2013 to December 28, 2013

Phase CM Hwy 98 W Booster Sta - Construction Mgmt

Professional Personnel

	Hours	Rate	Amount	
Project Engineer				
Sellers, Bennie	2.50	150.00	375.00	
Wallace, Kyle	4.00	150.00	600.00	
Totals	6.50		975.00	
Total Labor				975.00
		Total this Phase		\$975.00
		Total this Invoice		\$975.00

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

105695.7245.03

MTB 2011-4/89-110



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

September 04, 2013
Project No: 1273-W003
Invoice No: 17625

Project Manager Kyle Wallace
Project 1273-W003 Highway 98 West Elevated Tank

Professional Services from July 28, 2013 to August 24, 2013

Phase CM Hwy 98 West Elevated Tank - Construction
Professional Personnel

	Hours	Rate	Amount
Construction Observer			
McLendon, Gerald	33.00	85.00	2,805.00
Phillips, Michael	35.00	85.00	2,975.00
Tingle, William	29.00	85.00	2,465.00
Project Engineer			
Wallace, Kyle	28.50	150.00	4,275.00
Totals	125.50		12,520.00
Total Labor			12,520.00
Total this Phase			\$12,520.00
Total this Invoice			\$12,520.00

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

105695.7245.04

APPROVED FOR PAYMENT
DATE 9/10/13
SIGNATURE



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

September 26, 2013
Project No: 1273-W003
Invoice No: 17672

Project Manager Kyle Wallace
Project 1273-W003 Highway 98 West Elevated Tank

Professional Services from August 25, 2013 to September 21, 2013

Phase CM Hwy 98 West Elevated Tank - Construction

Professional Personnel

	Hours	Rate	Amount	
Construction Observer				
McLendon, Gerald	47.00	85.00	3,995.00	
Tingle, William	33.00	85.00	2,805.00	
Project Engineer				
Wallace, Kyle	48.00	150.00	7,200.00	
Totals	128.00		14,000.00	
Total Labor				14,000.00
		Total this Phase		\$14,000.00
		Total this Invoice		\$14,000.00

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

105695.7245.04



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

October 31, 2013
Project No: 1273-W003
Invoice No: 17730

Project Manager Kyle Wallace
Project 1273-W003 Highway 98 West Elevated Tank
Professional Services from September 29, 2013 to October 26, 2013
Phase CM Hwy 98 West Elevated Tank - Construction
Professional Personnel

	Hours	Rate	Amount	
Construction Observer				
McLendon, Gerald	60.00	85.00	5,100.00	
Tingle, William	30.00	85.00	2,550.00	
Field Crew				
Crew, Field	1.50	150.00	225.00	
Project Engineer				
Sellers, Bennie	5.00	150.00	750.00	
Wallace, Kyle	37.00	150.00	5,550.00	
Totals	133.50		14,175.00	14,175.00
Total Labor				
		Total this Phase		\$14,175.00
		Total this Invoice		\$14,175.00

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

105695.7245.04



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

December 02, 2013
Project No: 1273-W003
Invoice No: 17786

Project Manager Kyle Wallace
Project 1273-W003 Highway 98 West Elevated Tank
Professional Services from October 27, 2013 to November 23, 2013
Phase CM Hwy 98 West Elevated Tank - Construction

Professional Personnel

	Hours	Rate	Amount
Construction Observer			
McLendon, Gerald	41.00	85.00	3,485.00
Project Engineer			
Wallace, Kyle	28.00	150.00	4,200.00
Totals	69.00		7,685.00
Total Labor			7,685.00
Total this Phase			\$7,685.00
Total this Invoice			\$7,685.00

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

105695.7245.03



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

January 07, 2014
Project No: 1273-W003
Invoice No: 17808

Project Manager Kyle Wallace
Project 1273-W003 Highway 98 West Elevated Tank

Professional Services from November 24, 2013 to December 28, 2013

Phase CM Hwy 98 West Elevated Tank - Construction

Professional Personnel

	Hours	Rate	Amount
Construction Observer			
McLendon, Gerald	3.00	85.00	255.00
Project Engineer			
Sellers, Bennie	3.00	150.00	450.00
Wallace, Kyle	16.00	150.00	2,400.00
Totals	22.00		3,105.00
Total Labor			3,105.00
Total this Phase			\$3,105.00
Total this Invoice			\$3,105.00

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

105695.7245, 04



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

October 31, 2013
Project No: 1273-W001
Invoice No: 17727

Project Manager Kyle Wallace

Project 1273-W001 Hwy 98 West Fire Lines

Professional Services from September 29, 2013 to October 26, 2013

Phase CM Hwy 98 W Fire Lines - Construction Mgt

Professional Personnel

	Hours	Rate	Amount	
Project Engineer				
Wallace, Kyle	5.50	150.00	825.00	
Totals	5.50		825.00	
Total Labor				825.00
		Total this Phase		\$825.00
		Total this Invoice		\$825.00

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

105695, 7245, 28



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

December 02, 2013
Project No: 1273-W001
Invoice No: 17784

Project Manager Kyle Wallace

Project 1273-W001 Hwy 98 West Fire Lines

Professional Services from October 27, 2013 to November 23, 2013

Phase CM Hwy 98 W Fire Lines - Construction Mgt

Professional Personnel

	Hours	Rate	Amount	
Project Engineer				
Wallace, Kyle	3.00	150.00	450.00	
Totals	3.00		450.00	
Total Labor				450.00
		Total this Phase		\$450.00
		Total this Invoice		\$450.00

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

105695.7245.28



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

January 08, 2014
Project No: 11202
Invoice No: 17831

Project Manager John Weeks

Project 11202 I/I Study

Professional Services from November 01, 2013 to December 28, 2013

Phase 01 I/I Study

Task 01 Task Order 1

Total Fee	6,300.00		
Percent Complete	50.00	Total Earned	3,150.00
		Previous Fee Billing	0.00
		Current Fee Billing	3,150.00
		Total Fee	3,150.00
		Total this Task	\$3,150.00
		Total this Phase	\$3,150.00
		Total this Invoice	\$3,150.00

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

MB 2013-1/303



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

September 04, 2013
Project No: 1237C.001
Invoice No: 17628

Project Manager John Weeks
Project 1237C.001 Construction Mgt - James St. WTP #3
Professional Services from July 28, 2013 to August 24, 2013
Professional Personnel

	Hours	Rate	Amount
ENGINEERING INTERN			
Joseph, Marcellin	7.00	19.23	134.61
PROJECT ENGINEER			
Weeks, John	6.50	43.27	281.26
Totals	13.50		415.87
Total Labor		3.0 times	415.87
			1,247.61
Total this Invoice			\$1,247.61

Outstanding Invoices

Number	Date	Balance
17572	7/31/2013	6,268.41
Total		6,268.41
Total Now Due		\$7,516.02

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

105695.7245.01

APPROVED FOR PAYMENT
DATE 9/10/13
SIGNATURE

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



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

September 26, 2013
Project No: 1237C.001
Invoice No: 17688

Project Manager John Weeks
Project 1237C.001 Construction Mgt - James St. WTP #3
Professional Services from August 25, 2013 to September 21, 2013
Professional Personnel

	Hours	Rate	Amount	
ENGINEERING INTERN				
Joseph, Marcelin	10.50	19.23	201.92	
PROJECT ENGINEER				
Weeks, John	7.00	43.27	302.89	
Totals	17.50		504.81	
Total Labor		3.0 times	504.81	1,514.43
		Total this Invoice		\$1,514.43

Outstanding Invoices

Number	Date	Balance
17628	9/4/2013	1,247.61
Total		1,247.61

Total Now Due

\$2,762.04

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

105695.7245.01



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

October 31, 2013
Project No: 1237C.001
Invoice No: 17709

Project Manager John Weeks
Project 1237C.001 Construction Mgt - James St. WTP #3
Professional Services from September 29, 2013 to October 26, 2013
Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Tingle, William	9.00	28.00	252.00	
ENGINEERING INTERN				
Joseph, Marcellin	13.50	19.23	259.61	
PROJECT ENGINEER				
Weeks, John	19.50	43.27	843.77	
Totals	42.00		1,355.38	
Total Labor		3.0 times	1,355.38	4,066.14
		Total this Invoice		\$4,066.14

Outstanding Invoices

Number	Date	Balance	
17628	9/4/2013	1,247.61	
17688	9/26/2013	1,514.43	
Total		2,762.04	
	Total Now Due		\$6,828.18

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

105695.7245.01



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

November 27, 2013
Project No: 1237C.001
Invoice No: 17758

Project Manager John Weeks
Project 1237C.001 Construction Mgt - James St. WTP #3
Professional Services from October 27, 2013 to November 23, 2013
Professional Personnel

	Hours	Rate	Amount
Weeks, John	1.50	43.27	64.91
CONSTRUCTION OBSERVER			
Tingle, William	5.00	28.00	140.00
ENGINEERING INTERN			
Joseph, Marcelin	14.00	19.23	269.22
PROJECT ENGINEER			
Weeks, John	1.00	43.27	43.27
Totals	21.50		517.40
Total Labor		3.0 times	517.40
			1,552.20
		Total this Invoice	\$1,552.20

Outstanding Invoices

Number	Date	Balance
17628	9/4/2013	1,247.61
17688	9/26/2013	1,514.43
17709	10/31/2013	4,066.14
Total		6,828.18

Total Now Due \$8,380.38

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

105695.7245.01



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

September 04, 2013
Project No: 1273-S001
Invoice No: 17622

Project Manager Kyle Wallace

Project 1273-S001 Columbia St, Corrine St, Duke Ave, Carlisle Dr., U.S Hwy 49 S, WST Tatum Blvd.

Professional Services from July 28, 2013 to August 24, 2013

Sewer Ph I

Phase CM Construction Management - Columbia St.

Construction Cost 776,146.00
Fee Percentage 9.00
Total Fee 69,853.14

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	69,853.14	100.00	69,853.14	69,853.14	0.00
Totals				69,853.14	69,853.14	0.00
Total Fee						0.00

Professional Personnel

	Hours	Rate	Amount
AUTO CAD TECHNICIAN			
Sullivan, Richard	.50	85.00	42.50
Temple, Patricia	2.50	85.00	212.50
CONSTRUCTION OBSERVER			
Phillips, Michael	2.00	85.00	170.00
FIELD CREW			
Crew, Field	5.50	150.00	825.00
PROJECT ENGINEER			
Wallace, Kyle	2.00	150.00	300.00
Totals	12.50		1,550.00
Total Labor			1,550.00

Total this Phase \$1,550.00

Total this Invoice \$1,550.00

105695.7220.49

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

APPROVED FOR PAYMENT
DATE 9/10/13
SIGNATURE [Signature]



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

September 25, 2013
Project No: 1273-S001
Invoice No: 17665

Project Manager Kyle Wallace
Project 1273-S001

Columbia St, Corrine St, Duke Ave, Carlisle Dr., U.S Hwy 49 S, WST Tatum Blvd.

Professional Services from August 25, 2013 to September 21, 2013

Sewer Ph I

Phase CM Construction Management - Columbia St.

Construction Cost 776,146.00
Fee Percentage 9.00
Total Fee 69,853.14

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	69,853.14	100.00	69,853.14	69,853.14	0.00
Totals				69,853.14	69,853.14	0.00
Total Fee						0.00

Professional Personnel

	Hours	Rate	Amount
AUTO CAD TECHNICIAN			
Sullivan, Richard	1.00	85.00	85.00
Temple, Patricia	3.50	85.00	297.50
CONSTRUCTION OBSERVER			
Phillips, Michael	1.50	85.00	127.50
PROJECT ENGINEER			
Wallace, Kyle	1.00	150.00	150.00
Totals	7.00		660.00
Total Labor			660.00

Total this Phase 660.00

Total this Invoice 660.00

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



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

January 07, 2014
Project No: 1273-S001
Invoice No: 17812

Project Manager Kyle Wallace

Project 1273-S001 Columbia St, Corrine St, Duke Ave, Carlisle Dr., U.S Hwy 49 S, WST Tatum Blvd.

Professional Services from November 24, 2013 to December 28, 2013 Sewer I

Phase CM Construction Management - Columbia St.

Construction Cost 776,146.00
Fee Percentage 9.00
Total Fee 69,853.14

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	69,853.14	100.00	69,853.14	69,853.14	0.00
Totals				69,853.14	69,853.14	0.00
Total Fee						0.00

Professional Personnel

	Hours	Rate	Amount
PROJECT ENGINEER			
Sellers, Bennie	6.00	150.00	900.00
Totals	6.00		900.00
Total Labor			900.00
Total this Phase			\$900.00
Total this Invoice			\$900.00

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



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

September 04, 2013
Project No: 1273-S002
Invoice No: 17623

Project Manager Kyle Wallace

Project 1273-S002 Comprehensive Sewer Improvements - Ph II

Professional Services from July 28, 2013 to August 24, 2013

Phase CM Construction Management

Construction Cost 1,692,234.28
Fee Percentage 9.00
Total Fee 152,301.09

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	152,301.09	100.00	152,301.09	152,301.09	0.00
Totals				152,301.09	152,301.09	0.00
Total Fee						0.00

Professional Personnel

	Hours	Rate	Amount
AUTO CAD TECHNICIAN			
Sullivan, Richard	18.50	85.00	1,572.50
Temple, Patricia	2.00	85.00	170.00
CONSTRUCTION OBSERVER			
McLendon, Gerald	5.00	85.00	425.00
Tingle, William	93.00	85.00	7,905.00
FIELD CREW			
Crew, Field	22.00	150.00	3,300.00
PROJECT ENGINEER			
Wallace, Kyle	11.00	150.00	1,650.00
Totals	151.50		15,022.50
Total Labor			15,022.50

Total this Phase \$15,022.50

Total this Invoice \$15,022.50

Outstanding Invoices

Number	Date	Balance
15782	8/1/2013	20,457.50
Total		20,457.50

APPROVED FOR PAYMENT

DATE 9/10/13

SIGNATURE



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

September 25, 2013
Project No: 1273-S002
Invoice No: 17666

Project Manager Kyle Wallace
Project 1273-S002 Comprehensive Sewer Improvements - Ph II

Professional Services from August 25, 2013 to September 21, 2013

Phase	CM	Construction Management				
Construction Cost		1,692,234.28				
Fee Percentage		9.00				
Total Fee		152,301.09				
Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	152,301.09	100.00	152,301.09	152,301.09	0.00
		Totals		152,301.09	152,301.09	0.00
		Total Fee				0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Tingle, William	72.50	85.00	6,162.50	
PROJECT ENGINEER				
Wallace, Kyle	14.50	150.00	2,175.00	
Totals	87.00		8,337.50	8,337.50
Total Labor				
		Total this Phase		\$8,337.50
		Total this Invoice		\$8,337.50

Outstanding Invoices

Number	Date	Balance	
17623	9/4/2013	15,022.50	
Total		15,022.50	
	Total Now Due		\$23,360.00

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



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

October 31, 2013
Project No: 1273-S002
Invoice No: 17726

Project Manager Kyle Wallace

Project 1273-S002 Comprehensive Sewer Improvements - Ph II

Professional Services from September 23, 2013 to October 26, 2013

Phase CM Construction Management

Construction Cost 1,692,234.28
Fee Percentage 9.00
Total Fee 152,301.09

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	152,301.09	100.00	152,301.09	152,301.09	0.00
Totals				152,301.09	152,301.09	0.00
Total Fee						0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
Tingle, William	73.50	85.00	6,247.50
PROJECT ENGINEER			
Wallace, Kyle	15.00	150.00	2,250.00
Totals	88.50		8,497.50
Total Labor			8,497.50

Total this Phase 8,497.50

Total this Invoice 8,497.50

Outstanding Invoices

Number	Date	Balance
17623	9/4/2013	15,022.50
17666	9/25/2013	8,337.50
Total		23,360.00

Total Now Due 31,857.50

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

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

December 02, 2013
Project No: 1273-S002
Invoice No: 17782

Project Manager Kyle Wallace

Project 1273-S002 Comprehensive Sewer Improvements - Ph II

Professional Services from October 27, 2013 to November 23, 2013

Phase CM Construction Management

Construction Cost 1,692,234.28
Fee Percentage 9.00
Total Fee 152,301.09

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	152,301.09	100.00	152,301.09	152,301.09	0.00
Totals				152,301.09	152,301.09	0.00
Total Fee						0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
Tingle, William	41.50	85.00	3,527.50
PROJECT ENGINEER			
Wallace, Kyle	3.00	150.00	450.00
Totals	44.50		3,977.50
Total Labor			3,977.50
Total this Phase			\$3,977.50
Total this Invoice			\$3,977.50

Outstanding Invoices

Number	Date	Balance
17623	9/4/2013	15,022.50
17666	9/25/2013	8,337.50
17726	10/31/2013	8,497.50
Total		31,857.50
Total Now Due		\$35,835.00



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

January 07, 2014
Project No: 1273-S002
Invoice No: 17811

Project Manager Kyle Wallace
Project 1273-S002 Comprehensive Sewer Improvements - Ph II
Professional Services from November 24, 2013 to December 28, 2013

Phase	CM	Construction Management				
Construction Cost		1,692,234.28				
Fee Percentage		9.00				
Total Fee		152,301.09				
Billing Phase	Percent of Fee	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Design Phase Services	100.00	152,301.09	100.00	152,301.09	152,301.09	0.00
	Totals			152,301.09	152,301.09	0.00
	Total Fee					0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
Tingle, William	23.00	85.00	1,955.00
Totals	23.00		1,955.00
Total Labor			1,955.00
Total this Phase			\$1,955.00
Total this Invoice			\$1,955.00

Outstanding Invoices

Number	Date	Balance
17623	9/4/2013	15,022.50
17666	9/25/2013	8,337.50
17726	10/31/2013	8,497.50
17782	12/2/2013	3,977.50
Total		35,835.00
Total Now Due		\$37,790.00

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

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

September 04, 2013
Project No: 1273-S003
Invoice No: 17624

Project Manager Kyle Wallace
Project 1273-S003 Comprehensive Sewer Improvements Ph III
Professional Services from July 28, 2013 to August 24, 2013

Phase	CM	Construction Management		
Construction Cost		1,632,964.92		
Fee Percentage		9.00		
Total Fee		146,966.84		
Percent Complete	100.00		Total Earned	146,966.84
			Previous Fee Billing	146,966.84
			Current Fee Billing	0.00
			Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Jackson, Terry	122.50	85.00	10,412.50	
Tingle, William	14.00	85.00	1,190.00	
PROJECT ENGINEER				
Wallace, Kyle	11.50	150.00	1,725.00	
Totals	148.00		13,327.50	
Total Labor				13,327.50
			Total this Phase	\$13,327.50
			Total this Invoice	\$13,327.50

Outstanding Invoices

Number	Date	Balance	
15783	8/1/2013	23,427.50	
Total		23,427.50	
		Total Now Due	\$36,755.00

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

APPROVED FOR PAYMENT
DATE 9/10/13
SIGNATURE



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

September 25, 2013
Project No: 1273-S003
Invoice No: 17667

Project Manager Kyle Wallace
Project 1273-S003 Comprehensive Sewer Improvements Ph III

Professional Services from August 25, 2013 to September 21, 2013

Phase	CM	Construction Management		
Construction Cost		1,632,964.92		
Fee Percentage		9.00		
Total Fee		146,966.84		
Percent Complete		100.00	Total Earned	146,966.84
			Previous Fee Billing	146,966.84
			Current Fee Billing	0.00
			Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Jackson, Terry	90.00	85.00	7,650.00	
Tingle, William	27.00	85.00	2,295.00	
PROJECT ENGINEER				
Wallace, Kyle	3.00	150.00	450.00	
Totals	120.00		10,395.00	
Total Labor				10,395.00
		Total this Phase		\$10,395.00
		Total this Invoice		\$10,395.00

Outstanding Invoices

Number	Date	Balance	
17624	9/4/2013	13,327.50	
Total		13,327.50	
	Total Now Due		\$23,722.50

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



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

October 31, 2013
Project No: 1273-S003
Invoice No: 17728

Project Manager Kyle Wallace
Project 1273-S003 Comprehensive Sewer Improvements Ph III
Professional Services from September 29, 2013 to October 26, 2013

Phase CM Construction Management

Construction Cost	1,632,964.92		
Fee Percentage	9.00		
Total Fee	146,966.84		
Percent Complete	100.00	Total Earned	146,966.84
		Previous Fee Billing	146,966.84
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
Jackson, Terry	90.00	85.00	7,650.00
Tingle, William	55.50	85.00	4,717.50
PROJECT ENGINEER			
Wallace, Kyle	7.00	150.00	1,050.00
Totals	152.50		13,417.50
Total Labor			13,417.50

Total this Phase \$13,417.50

Total this Invoice \$13,417.50

Outstanding Invoices

Number	Date	Balance
17624	9/4/2013	13,327.50
17667	9/25/2013	10,395.00
Total		23,722.50

Total Now Due \$37,140.00

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CITY OF HATTIESBURG
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HATTIESBURG, MS 39403-1898

December 02, 2013
Project No: 1273-S003
Invoice No: 17783

Project Manager Kyle Wallace

Project 1273-S003 Comprehensive Sewer Improvements Ph III

Professional Services from October 27, 2013 to November 23, 2013

Phase CM Construction Management

Construction Cost	1,632,964.92		
Fee Percentage	9.00		
Total Fee	146,966.84		
Percent Complete	100.00	Total Earned	146,966.84
		Previous Fee Billing	146,966.84
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
Jackson, Terry	90.00	85.00	7,650.00
Tingle, William	6.00	85.00	510.00
PROJECT ENGINEER			
Wallace, Kyle	4.00	150.00	600.00
Totals	100.00		8,760.00
Total Labor			8,760.00
		Total this Phase	\$8,760.00
		Total this Invoice	\$8,760.00

Outstanding Invoices

Number	Date	Balance
17624	9/4/2013	13,327.50
17667	9/25/2013	10,395.00
17728	10/31/2013	13,417.50
Total		37,140.00
	Total Now Due	\$45,900.00

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

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HATTIESBURG, MS 39403-1898

January 07, 2014
Project No: 1273-S003
Invoice No: 17810

Project Manager Kyle Wallace
Project 1273-S003 Comprehensive Sewer Improvements Ph III
Professional Services from November 24, 2013 to December 28, 2013

Phase	CM	Construction Management		
Construction Cost		1,632,964.92		
Fee Percentage		9.00		
Total Fee		146,966.84		
Percent Complete	100.00		Total Earned	146,966.84
			Previous Fee Billing	146,966.84
			Current Fee Billing	0.00
			Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount	
CONSTRUCTION OBSERVER				
Jackson, Terry	46.50	85.00	3,952.50	
Tingle, William	2.00	85.00	170.00	
PROJECT ENGINEER				
Wallace, Kyle	2.00	150.00	300.00	
Totals	50.50		4,422.50	4,422.50
Total Labor				
		Total this Phase		\$4,422.50
		Total this Invoice		\$4,422.50

Outstanding Invoices

Number	Date	Balance	
17624	9/4/2013	13,327.50	
17657	9/25/2013	10,395.00	
17728	10/31/2013	13,417.50	
17783	12/2/2013	8,760.00	
Total		45,900.00	
	Total Now Due		\$50,322.50



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

September 04, 2013
Project No: 1273-S004
Invoice No: 17627

Project Manager John Weeks
Project 1273-S004 Comprehensive Sewer Imp. Ph IV

Work - In - Progress

Professional Services from July 28, 2013 to August 24, 2013

Phase	CM	Construction Management
Construction Cost	509,240.00	
Fee Percentage	9.00	
Total Fee	45,831.60	
Percent Complete	100.00	
	Total Earned	45,831.60
	Previous Fee Billing	45,831.60
	Current Fee Billing	0.00
	Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
Phillips, Michael	13.00	85.00	1,105.00
Weeks, John	4.00	150.00	600.00
Totals	17.00		1,705.00
Total Labor			1,705.00

Total this Phase **\$1,705.00**

Total this Invoice **\$1,705.00**

Outstanding Invoices

Number	Date	Balance
17571	7/31/2013	7,312.50
Total		7,312.50

Total Now Due **\$9,017.50**

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

APPROVED FOR PAYMENT

DATE

SIGNATURE



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

September 26, 2013
Project No: 1273-S004
Invoice No: 17685

Project Manager John Weeks
Project 1273-S004 Comprehensive Sewer Imp. Ph IV

Work - In - Progress

Professional Services from August 25, 2013 to September 21, 2013

Phase	CM	Construction Management		
Construction Cost		509,240.00		
Fee Percentage		9.00		
Total Fee		45,831.60		
Percent Complete		100.00	Total Earned	45,831.60
			Previous Fee Billing	45,831.60
			Current Fee Billing	0.00
			Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
Phillips, Michael	1.00	85.00	85.00
Wallace, Kyle	4.00	150.00	600.00
Totals	5.00		685.00
Total Labor			685.00

Total this Phase \$685.00

Total this Invoice **\$685.00**

Outstanding Invoices

Number	Date	Balance
17627	9/4/2013	1,705.00
Total		1,705.00

Total Now Due \$2,390.00

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



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

November 27, 2013
Project No: 1273-S004
Invoice No: 17757

Project Manager John Weeks
Project 1273-S004 Comprehensive Sewer Imp. Ph IV

Work - In - Progress

Professional Services from October 27, 2013 to November 23, 2013

Phase	CM	Construction Management		
Construction Cost		509,240.00		
Fee Percentage		9.00		
Total Fee		45,831.60		
Percent Complete		100.00	Total Earned	45,831.60
			Previous Fee Billing	45,831.60
			Current Fee Billing	0.00
			Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount	
Weeks, John	2.00	150.00	300.00	
Totals	2.00		300.00	300.00
Total Labor				
		Total this Phase		\$300.00

Total this Invoice **\$300.00**

Outstanding Invoices

Number	Date	Balance	
17627	9/4/2013	1,705.00	
17685	9/26/2013	685.00	
Total		2,390.00	
	Total Now Due		\$2,690.00

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



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

September 04, 2013
Project No: 1273-W004
Invoice No: 17626

Project Manager Kyle Wallace

Project 1273-W004 Comprehensive Water Improvement - Ph I

Professional Services from July 28, 2013 to August 24, 2013

Phase CM COMSWIP Water Imp PhI - Construction

Construction Cost	433,213.65		
Fee Percentage	9.00		
Total Fee	38,989.23		
Percent Complete	100.00	Total Earned	38,989.23
		Previous Fee Billing	38,989.23
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
McLendon, Gerald	74.00	85.00	6,290.00
Tingle, William	39.00	85.00	3,315.00
PROJECT ENGINEER			
Wallace, Kyle	3.00	150.00	450.00
Totals	116.00		10,055.00
Total Labor			10,055.00

Total this Phase **\$10,055.00**

Total this Invoice **\$10,055.00**

Outstanding Invoices

Number	Date	Balance
15787	8/1/2013	13,010.00
Total		13,010.00

Total Now Due **\$23,065.00**

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

APPROVED FOR PAYMENT

DATE

SIGNATURE



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

September 26, 2013
Project No: 1273-W004
Invoice No: 17673

Project Manager Kyle Wallace

Project 1273-W004 Comprehensive Water Improvement - Ph I

Professional Services from August 25, 2013 to September 21, 2013

Phase CM COMSWIP Water Imp PhI - Construction

Construction Cost	433,213.65		
Fee Percentage	9.00		
Total Fee	38,989.23		
Percent Complete	100.00	Total Earned	38,989.23
		Previous Fee Billing	38,989.23
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
McLendon, Gerald	40.00	85.00	3,400.00
Tingle, William	18.00	85.00	1,530.00
Totals	58.00		4,930.00
Total Labor			4,930.00

Total this Phase \$4,930.00

Total this Invoice \$4,930.00

Outstanding Invoices

Number	Date	Balance
17626	9/4/2013	10,055.00
Total		10,055.00
	Total Now Due	\$14,985.00

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



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

October 31, 2013
Project No: 1273-W004
Invoice No: 17731

Project Manager Kyle Wallace

Project 1273-W004 Comprehensive Water Improvement - Ph I

Professional Services from October 01, 2013 to October 31, 2013

Phase CM COMSWIP Water Imp Ph I - Construction

Construction Cost	433,213.65		
Fee Percentage	9.00		
Total Fee	38,989.23		
Percent Complete	100.00	Total Earned	38,989.23
		Previous Fee Billing	38,989.23
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount	
AUTO CAD TECHNICIAN				
Sullivan, Richard	.50	85.00	42.50	
CONSTRUCTION OBSERVER				
McLendon, Gerald	62.00	85.00	5,270.00	
Tingle, William	4.00	85.00	340.00	
Totals	66.50		5,652.50	
Total Labor				5,652.50
		Total this Phase		\$5,652.50
		Total this Invoice		\$5,652.50

Outstanding Invoices

Number	Date	Balance	
17626	9/4/2013	10,055.00	
17673	9/26/2013	4,930.00	
Total		14,985.00	
		Total Now Due	\$20,637.50

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



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

December 02, 2013
Project No: 1273-W004
Invoice No: 17787

Project Manager Kyle Wallace
Project 1273-W004 Comprehensive Water Improvement - Ph I
Professional Services from October 27, 2013 to November 23, 2013
Phase CM COMSWIP Water Imp Phi - Construction

Construction Cost	433,213.65		
Fee Percentage	9.00		
Total Fee	38,989.23		
Percent Complete	100.00	Total Earned	38,989.23
		Previous Fee Billing	38,989.23
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
McLendon, Gerald	4.00	85.00	340.00
PROJECT ENGINEER			
Wallace, Kyle	3.00	150.00	450.00
Totals	7.00		790.00
Total Labor			790.00

Total this Phase **\$790.00**

Total this Invoice **\$790.00**

Outstanding Invoices

Number	Date	Balance
17626	9/4/2013	10,055.00
17673	9/26/2013	4,930.00
17731	10/31/2013	5,652.50
Total		20,637.50

Total Now Due **\$21,427.50**

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

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

January 07, 2014
Project No: 1273-W004
Invoice No: 17807

Project Manager Kyle Wallace

Project 1273-W004 Comprehensive Water Improvement - Ph I

Professional Services from November 24, 2013 to December 28, 2013

Phase CM COMSWIP Water Imp PhI - Construction

Construction Cost	433,213.65		
Fee Percentage	9.00		
Total Fee	38,989.23		
Percent Complete	100.00	Total Earned	38,989.23
		Previous Fee Billing	38,989.23
		Current Fee Billing	0.00
		Total Fee	0.00

Professional Personnel

	Hours	Rate	Amount
CONSTRUCTION OBSERVER			
McLendon, Gerald	4.00	85.00	340.00
PROJECT ENGINEER			
Sellers, Bennie	3.00	150.00	450.00
Totals	7.00		790.00
Total Labor			790.00
		Total this Phase	\$790.00
		Total this Invoice	\$790.00

Outstanding Invoices

Number	Date	Balance
17626	9/4/2013	10,055.00
17673	9/26/2013	4,930.00
17731	10/31/2013	5,652.50
17787	12/2/2013	790.00
Total		21,427.50
	Total Now Due	\$22,217.50

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

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

January 07, 2014
Project No: 1273-W006
Invoice No: 17826

Project Manager John Weeks
Project 1273-W006 Wesley WTP Well
Professional Services from November 01, 2013 to December 28, 2013
Professional Personnel

	Hours	Rate	Amount	
Weeks, John	17.00	150.00	2,550.00	
AUTO CAD TECHNICIAN				
Sullivan, Richard	13.00	85.00	1,105.00	
FIELD CREW				
Crew, Field	15.00	150.00	2,250.00	
Totals	45.00		5,905.00	5,905.00
Total Labor				
		Total this Invoice		\$5,905.00

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



Engineering Progress

January 24, 2014

City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-898

Attn: Mayor Johnny L. Dupree, Ph. D.

Re: Sewer Phase 2 - ComSWIP
City of Hattiesburg Hensley R Lee

Dear Mayor Dupree,

Enclosed please find Pay Estimate No. 11 in the amount of \$80,119.38 for the above referenced project.

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

Sincerely,

Kyle D. Wallace, P.E.
Project Engineer

/rs

enclosure

cc: Steve Tingle
Hensley R. Lee Contracting

105695.7220.50

MB 2012-11-422

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

G:\PROJECTS\Hattiesburg_City\01273-S002 - Comprehensive Sewer Improvements - Phase I\Correc\1273S002_Hattiesburg_Pay
Estimate 11.Docx

Project: Comprehensive Sewer Improvements Phase II

City of Hattiesburg

Contractor: Hensley R. Lee Contracting Inc.

311 Acorn St. Picayune, MS 39466

Pay Estimate No.: Eleven (11)

Pay Period: 12/1/2013 - 1/24/2014

Item No.	Item Description	Quantities			Unit	Unit Price	Amount
		On Cont. Price Est.	Allowed This Period	Allowed To Date			
							\$1,485,051.50

	SITE 2 - CORRINE STREET						\$334,348.00
1	8" SDR 26 PVC Sewer Pipe (6'-8')	614		608.00	LF	\$ 26.00	\$ 15,808.00
2	8" SDR 26 PVC Sewer Pipe (8'-10')	12		3.00	LF	\$ 28.00	\$ 84.00
3	10" SDR 26 PVC Sewer Pipe (6'-8')	80		37.00	LF	\$ 28.00	\$ 1,036.00
4	10" SDR 26 PVC Sewer Pipe (8'-10')	308		337.00	LF	\$ 31.00	\$ 10,447.00
5	10" SDR 26 PVC Sewer Pipe (10'-12')	298		221.00	LF	\$ 35.00	\$ 7,735.00
6	10" SDR 26 PVC Sewer Pipe (12'-14')	259		351.00	LF	\$ 41.00	\$ 14,391.00
7	12" SDR 26 PVC Sewer Pipe (0'-6')	474		369.00	LF	\$ 28.00	\$ 10,332.00
8	12" SDR 26 PVC Sewer Pipe (6'-8')	90		125.00	LF	\$ 32.00	\$ 4,000.00
9	10" DR 11 HDPE Sewer Pipe (Directional Bore)(All Depths)	521		521.00	LF	\$ 150.00	\$ 78,150.00
10	48" Precast Concrete Sewer Manhole (0'-6')	1		1.00	EA	\$ 1,700.00	\$ 1,700.00
11	48" Precast Concrete Sewer Manhole (6'-8')	4		3.00	EA	\$ 1,900.00	\$ 5,700.00
12	48" Precast Concrete Sewer Manhole (8'-10')	2		2.00	EA	\$ 2,200.00	\$ 4,400.00
13	48" Precast Concrete Sewer Manhole (10'-12')	1		1.00	EA	\$ 2,700.00	\$ 2,700.00
14	48" Precast Concrete Sewer Manhole (12'-14')	2		1.00	EA	\$ 3,000.00	\$ 3,000.00
15	60" Precast Concrete Sewer Manhole (0'-6')	1		1.00	EA	\$ 3,200.00	\$ 3,200.00
16	Drop Manhole Assembly (All Depths)	6		1.00	EA	\$ 800.00	\$ 800.00
17	Demolition and Removal of Existing Manhole	10		7.00	EA	\$ 500.00	\$ 3,500.00
18	Demolition and Removal of Existing Grinder Station	1	1.00	1.00	LS	\$ 1,000.00	\$ 1,000.00
19	6" SDR 26 PVC Sewer Pipe for Services (All Depths)	805		1095.50	LF	\$ 12.00	\$ 13,158.00
20	8"x8"x6" PVC Tee	5		9.00	EA	\$ 175.00	\$ 1,575.00
21	10"x10"x6" PVC Tee	9		16.00	EA	\$ 230.00	\$ 3,680.00
22	12"x12"x6" PVC Tee	3		6.00	EA	\$ 275.00	\$ 1,650.00
23	6" PVC Cleanout	12		28.00	EA	\$ 310.00	\$ 8,680.00
24	Crushed Aggregate (Size 825)	735		595.88	Ton	\$ 35.00	\$ 20,855.80
25	Select Fill Material (Class 9, Group C), LVM	2,251		3824.55	CY	\$ 12.00	\$ 45,894.60
26	Concrete Pavement Repair (All Depths)	10		24.90	SY	\$ 30.00	\$ 747.00
27	Asphalt Pavement Repair (All Depths)	1,870		4013.555	SY	\$ 22.00	\$ 86,298.21
28	Demolition and Removal of Storm Sewer Pipe (All Sizes & Depths)	328		41.00	LF	\$ 8.00	\$ 328.00
29	15" Reinforced Concrete Pipe, Class III, Rubber Gaskets	32			LF	\$ 32.00	\$ -
30	18" Reinforced Concrete Pipe, Class III, Rubber Gaskets	96		8.00	LF	\$ 34.00	\$ 272.00

31	24" Reinforced Concrete Pipe, Class III, Rubber Gaskets	160		33.00	LF	\$ 42.00	\$ 1,386.00
32	30" Reinforced Concrete Pipe, Class III, Rubber Gaskets	40			LF	\$ 55.00	\$ -
33	Class "B" Concrete, Minor Structures	7			CY	\$ 250.00	\$ -
34	Grassing	1		100%	LS	\$ 2,500.00	\$ 2,500.00
35	Erosion Control	1	50%	50%	LS	\$ 2,500.00	\$ 1,250.00
36	Mobilization	1		100%	LS	\$ 15,000.00	\$ 15,000.00
37	Maintenance of Traffic	1		100%	LS	\$ 10,000.00	\$ 10,000.00
						subtotal	\$ 383,257.61

	SITE 3 - COUNTY ROAD						\$217,315.00
38	8" SDR 26 PVC Sewer Pipe (0'-6')	70		94.00	LF	\$ 23.00	\$ 2,162.00
39	8" SDR 26 PVC Sewer Pipe (6'-8')	577		514.00	LF	\$ 24.00	\$ 12,336.00
40	8" SDR 26 PVC Sewer Pipe (8'-10')	281		267.00	LF	\$ 26.00	\$ 6,942.00
41	8" SDR 26 PVC Sewer Pipe (10'-12')	345		478.00	LF	\$ 30.00	\$ 14,340.00
42	8" SDR 26 PVC Sewer Pipe (12'-14')	365		240.00	LF	\$ 36.00	\$ 8,640.00
43	8" SDR 26 PVC Sewer Pipe (14'-16')	161		158.00	LF	\$ 43.00	\$ 6,794.00
44	48" Precast Concrete Sewer Manhole (0'-6')	1		1.00	EA	\$ 1,500.00	\$ 1,500.00
45	48" Precast Concrete Sewer Manhole (6'-8')	2		2.00	EA	\$ 1,800.00	\$ 3,600.00
46	48" Precast Concrete Sewer Manhole (8'-10')	1		1.00	EA	\$ 2,100.00	\$ 2,100.00
47	48" Precast Concrete Sewer Manhole (10'-12')	1		1.00	EA	\$ 2,500.00	\$ 2,500.00
48	48" Precast Concrete Sewer Manhole (14'-16')	1		1.00	EA	\$ 2,800.00	\$ 2,800.00
49	Drop Manhole Assembly (All Depths)	2		2.00	EA	\$ 800.00	\$ 1,600.00
50	4" SDR 26 PVC Sewer Pipe for Services (All Depths)	610		546.00	LF	\$ 11.00	\$ 6,006.00
51	6" SDR 26 PVC Sewer Pipe for Services (All Depths)	456		536.00	LF	\$ 12.00	\$ 6,432.00
52	8"x8"x6" PVC Tee	22		22.00	EA	\$ 175.00	\$ 3,850.00
53	8" PVC Cleanout	22		27.00	EA	\$ 310.00	\$ 8,370.00
54	Crushed Aggregate (Size 825)	802		789.94	Ton	\$ 35.00	\$ 27,647.90
55	Selected Fill Material (Class 9, Group C), LVM	2,457		961.50	CY	\$ 12.00	\$ 11,538.00
56	Concrete Pavement Repair (All Depths)	0			SY	\$ 30.00	\$ -
57	Asphalt Pavement Repair (All Depths)	1,820		1838.06	SY	\$ 22.00	\$ 40,437.32
58	Demolition and Removal of Concrete Headwall	1		1.00	EA	\$ 750.00	\$ 750.00
59	Demolition and Removal of Storm Sewer Pipe (All Sizes & Depths)	92		68.00	LF	\$ 8.00	\$ 544.00
60	15" Reinforced Concrete Pipe, Class III, Rubber Gaskets	68		64.00	LF	\$ 32.00	\$ 2,048.00
61	18"x11" Reinforced Concrete Arch Pipe, Class III, Flexible Plastic Gaskets	24			LF	\$ 20.00	\$ -
62	15" Reinforced Concrete Pipe, Flared End Section, Class III	1		1.00	EA	\$ 200.00	\$ 200.00
63	Class "B" Concrete, Minor Structures	1			CY	\$ 250.00	\$ -
64	Grassing	1	100%	100%	LS	\$ 2,500.00	\$ 2,500.00
65	Temporary Erosion Control	1	50%	50%	LS	\$ 2,500.00	\$ 1,250.00
66	Mobilization	1		100%	LS	\$ 15,000.00	\$ 15,000.00
67	Maintenance of Traffic	1		100%	LS	\$ 5,000.00	\$ 5,000.00
						subtotal	\$ 196,887.22

	SITE 4 - WEATHERSBY ROAD							\$154,249.00
68	6" PVC Sewer Pipe Force Main (All Depths)	10		10.00	LF	\$ 8.00	\$ 80.00	
69	8" SDR 26 PVC Sewer Pipe (0'-6')	40		27.00	LF	\$ 23.00	\$ 621.00	
70	8" SDR 26 PVC Sewer Pipe (6'-8')	40		17.00	LF	\$ 24.00	\$ 408.00	
71	8" SDR 26 PVC Sewer Pipe (8'-10')	90		85.00	LF	\$ 26.00	\$ 2,210.00	
72	8" SDR 26 PVC Sewer Pipe (10'-12')	130		37.00	LF	\$ 30.00	\$ 1,110.00	
73	8" SDR 26 PVC Sewer Pipe (12'-14')	280		436.00	LF	\$ 36.00	\$ 15,696.00	
74	8" SDR 26 PVC Sewer Pipe (14'-16')	220		259.00	LF	\$ 43.00	\$ 11,137.00	
75	15" SDR 26 PVC Sewer Pipe (0'-6')	60			LF	\$ 23.00	\$ -	
76	15" SDR 26 PVC Sewer Pipe (6'-8')	0			LF	\$ 37.00	\$ -	
77	15" SDR 26 PVC Sewer Pipe (8'-10')	5		38.00	LF	\$ 38.00	\$ 1,368.00	
78	15" SDR 26 PVC Sewer Pipe (10'-12')	21		47.00	LF	\$ 42.00	\$ 1,974.00	
79	15" SDR 26 PVC Sewer Pipe (12'-14')	120		47.00	LF	\$ 48.00	\$ 2,256.00	
80	15" SDR 26 PVC Sewer Pipe (14'-16')	110		116.00	LF	\$ 55.00	\$ 6,380.00	
81	8" Ductile Iron Sewer Pipe (0'-6')	161		108.00	LF	\$ 55.00	\$ 5,940.00	
82	24" Steel Casing (0.25" WT) (Bored)	60		23.684	LF	\$ 190.00	\$ 4,499.96	
83	Abandonment of Existing Sewer Line	250		246.00	LF	\$ 4.00	\$ 984.00	
84	48" Precast Concrete Sewer Manhole (0'-6')	1		1.00	EA	\$ 1,500.00	\$ 1,500.00	
85	48" Precast Concrete Sewer Manhole (6'-8')	1		1.00	EA	\$ 1,800.00	\$ 1,800.00	
86	48" Precast Concrete Sewer Manhole (8'-10')	0			EA	\$ 2,100.00	\$ -	
87	48" Precast Concrete Sewer Manhole (10'-12')	1			EA	\$ 2,500.00	\$ -	
88	48" Precast Concrete Sewer Manhole (12'-14')	1		2.00	EA	\$ 2,800.00	\$ 5,600.00	
89	60" Precast Concrete Sewer Manhole (12'-14')	1			EA	\$ 6,000.00	\$ -	
90	60" Precast Concrete Sewer Manhole (14'-16')	1		2.00	EA	\$ 7,200.00	\$ 14,400.00	
91	6" SDR 26 PVC Sewer Pipe for Services (All Depths)	92		161.00	LF	\$ 12.00	\$ 1,932.00	
92	8"x8"x6" PVC Tee	3		4.00	EA	\$ 175.00	\$ 700.00	
93	6" PVC Cleanout	4		5.00	EA	\$ 310.00	\$ 1,550.00	
94	Crushed Aggregate (Size 825)	185		206.939	Ton	\$ 35.00	\$ 7,242.87	
95	Select Fill Material (Class 9, Group C), LVM	565		587.50	CU	\$ 12.00	\$ 7,050.00	
96	Concrete Pavement Repair (All Depths)	258			SY	\$ 30.00	\$ -	
97	Asphalt Pavement Repair (All Depths)	148		71.52	SY	\$ 22.00	\$ 1,573.44	
98	18" Reinforced Concrete Pipe, Class III, Rubber Gaskets	8			LF	\$ 34.00	\$ -	
99	Class "B" Concrete, Minor Structures	2			CY	\$ 250.00	\$ -	
100	Modular Block Retaining Wall	240			SF	\$ 25.00	\$ -	
101	Grassing	1			LS	\$ 2,500.00	\$ -	
102	Temporary Erosion Control	1	50%	50%	LS	\$ 2,500.00	\$ 1,250.00	
103	Mobilization	1		100%	LS	\$ 15,000.00	\$ 15,000.00	
104	Maintenance of Traffic	1		100%	LS	\$ 15,000.00	\$ 15,000.00	
						subtotal	\$ 129,262.27	

	SITE 6 - COUNTRY CLUB ROAD						\$625,957.50
105	6" SDR 26 PVC Sewer Pipe (6'-8')	11		11.00	LF	\$ 15.00	\$ 165.00
106	8" SDR 26 PVC Sewer Pipe (0'-6')	934		1115.50	LF	\$ 23.00	\$ 25,656.50
107	8" SDR 26 PVC Sewer Pipe (6'-8')	1,674		1616.00	LF	\$ 24.00	\$ 38,784.00
108	8" SDR 26 PVC Sewer Pipe (8'-10')	721		587.00	LF	\$ 26.00	\$ 15,262.00
109	8" SDR 26 PVC Sewer Pipe (10'-12')	1,566		1612.00	LF	\$ 30.00	\$ 48,360.00
110	10" SDR 26 PVC Sewer Pipe (8'-10')	131		130.00	LF	\$ 29.50	\$ 3,835.00
111	10" SDR 26 PVC Sewer Pipe (10'-12')	854		846.00	LF	\$ 33.00	\$ 27,918.00
112	Abandonment of Existing Sewer Line	4,594		2486.00	LF	\$ 4.00	\$ 9,944.00
113	48" Precast Concrete Sewer Manhole (0'-6')	9		11.00	EA	\$ 1,500.00	\$ 16,500.00
114	48" Precast Concrete Sewer Manhole (6'-8')	5		4.00	EA	\$ 1,800.00	\$ 7,200.00
115	48" Precast Concrete Sewer Manhole (8'-10')	2		1.00	EA	\$ 2,100.00	\$ 2,100.00
116	48" Precast Concrete Sewer Manhole (10'-12')	6		6.00	EA	\$ 2,500.00	\$ 15,000.00
117	72" Precast Concrete Sewer Manhole (18'-20')	1		1.00	EA	\$ 20,000.00	\$ 20,000.00
118	Drop Manhole Assembly (All Depths)	5		4.00	EA	\$ 800.00	\$ 3,200.00
119	Demolition and Removal of Existing Manhole	5		2.00	EA	\$ 500.00	\$ 1,000.00
120	Abandonment of Existing Manhole	13		14.00	EA	\$ 750.00	\$ 10,500.00
121	4" SDR 26 PVC Sewer Pipe for Services (All Depths)	100		96.00	LF	\$ 11.00	\$ 1,056.00
122	6" SDR 26 PVC Sewer Pipe for Services (All Depths)	1,872		1914.00	LF	\$ 12.00	\$ 22,968.00
123	8"x8"x6" PVC Tee	59		67.00	EA	\$ 175.00	\$ 11,725.00
124	10"x10"x6" PVC Tee	10		11.00	EA	\$ 230.00	\$ 2,530.00
125	6" PVC Cleanout	58		75.00	EA	\$ 310.00	\$ 23,250.00
126	Crushed Aggregate (Size 825)	2,021		2915.52	Ton	\$ 35.00	\$ 102,043.20
127	Select Fill Material (Class 9, Group C), LVM	6,192		3564.92	CU	\$ 12.00	\$ 42,779.04
128	Concrete Pavement Repair (All Depths)	23		125.10	SY	\$ 30.00	\$ 3,753.00
129	Asphalt Pavement Repair (All Depths)	6,170		9485.88	SY	\$ 22.00	\$ 208,689.36
130	Concrete Curb & Gutter (Match Existing Type)	35		280.50	LF	\$ 25.00	\$ 7,012.50
131	Demolition and Removal of Concrete Headwall	1			EA	\$ 750.00	\$ -
132	Demolition and Removal of Storm Sewer Pipe (All Sizes & Depths)	146			LF	\$ 8.00	\$ -
133	15" Reinforced Concrete Pipe, Class III, Rubber Gaskets	80			LF	\$ 32.00	\$ -
134	18" Reinforced Concrete Pipe, Class III, Rubber Gaskets	30			LF	\$ 34.00	\$ -
135	22"x13" Reinforced Concrete Arch Pipe, Class III, Flexible Plastic Gaskets	36			LF	\$ 40.00	\$ -
136	22"x13" Reinforced Concrete Arch Pipe, Flared End Section, Class III	1			EA	\$ 950.00	\$ -
137	Class "B" Concrete, Minor Structures	2			CY	\$ 250.00	\$ -
138	Concrete Paved Ditch (4" Depth)	3			SY	\$ 45.00	\$ -
139	Grassing	1	100%	100%	LS	\$ 2,500.00	\$ 2,500.00
140	Erosion Control	1	50%	50%	LS	\$ 2,500.00	\$ 1,250.00
141	Mobilization	1		100%	LS	\$ 15,000.00	\$ 15,000.00
142	Maintenance of Traffic	1		100%	LS	\$ 5,000.00	\$ 5,000.00
						subtotal	\$ 694,980.60

	SITE 7 - US HIGHWAY 49 SOUTH						\$153,182.00
143	10" SDR 26 PVC Sewer Pipe (0'-6')	130			LF	\$24.00	\$ -
144	10" SDR 26 PVC Sewer Pipe (6'-8')	610			LF	\$26.00	\$ -
145	10" SDR 26 PVC Sewer Pipe (8'-10')	535			LF	\$29.00	\$ -
146	10" SDR 26 PVC Sewer Pipe (10'-12')	155			LF	\$33.00	\$ -
147	10" SDR 26 PVC Sewer Pipe (12'-14')	70			LF	\$39.00	\$ -
148	10" SDR 26 PVC Sewer Pipe (14'-16')	80			LF	\$46.00	\$ -
149	10" SDR 26 PVC Sewer Pipe (16'-18')	130			LF	\$53.00	\$ -
150	10" SDR 26 PVC Sewer Pipe (18'-20')	275			LF	\$63.00	\$ -
151	10" SDR 26 PVC Sewer Pipe (20'-22')	30			LF	\$78.00	\$ -
152	8" Ductile Iron Sewer Pipe (0'-6')	340			LF	\$55.00	\$ -
153	8" Ductile Iron Sewer Pipe (6'-8')	60			LF	\$58.00	\$ -
154	48" Precast Concrete Sewer Manhole (6'-8')	3			EA	\$1,800.00	\$ -
155	48" Precast Concrete Sewer Manhole (8'-10')	2			EA	\$2,100.00	\$ -
156	48" Precast Concrete Sewer Manhole (12'-14')	2			EA	\$2,500.00	\$ -
157	48" Precast Concrete Sewer Manhole (18'-20')	1			EA	\$3,000.00	\$ -
158	Crushed Aggregate (Size 825)	16			Ton	\$35.00	\$ -
159	Select Fill Material (Class 9, Group C), LVM	50			CU	\$12.00	\$ -
160	Asphalt Pavement Repair (All Depths)	36			SY	\$22.00	\$ -
161	Grouted Riprap (Size 200) w/ Geotextile Fabric	55			Ton	\$125.00	\$ -
162	Grassing	1			LS	\$5,000.00	\$ -
163	Erosion Control	1			LS	\$5,000.00	\$ -
164	Mobilization	1			LS	\$15,000.00	\$ -
165	Maintenance of Traffic	1			LS	\$7,000.00	\$ -
						subtotal	\$ -

Percent Complete: 95%
Time Elapsed to date: 179%

Total Earned - Regular Work	\$ 1,404,387.70
Less 5% Retainage	\$ 70,219.38
Stored Materials	\$ 11,509.91
Total Due - Regular Work	\$ 1,345,678.22
Less Previous Payments	\$ 1,265,558.84
Net Amount Due This Estimate	\$ 80,119.38
Less Deductions	\$ -
Net Payment Due	\$ 80,119.38

CERTIFIED CORRECT:

Shows, Dearman & Waits, Inc.



Project Engineer

APPROVED:

OWNER

Comprehensive Sewer Improvements - Phase II
City of Hattiesburg
Stored Materials

Pay Estimate: No.11

Item No.	Item Description	Quantity	Unit Price	Amount
1	Precast Concrete Manholes	1		\$ 11,509.91
2				\$ -
3				\$ -
4				\$ -
5				\$ -
6				\$ -
7				\$ -
				\$ 11,509.91

Precast Manholes

SMH #1=	\$ 1,758.73
SMH #2=	\$ 2,043.74
SMH #3=	\$ 1,385.74
SMH #4=	\$ 1,262.74
SMH #5=	\$ 1,127.74
SMH #6=	\$ 1,165.74
SMH #7=	\$ 1,224.74
SMH #8=	\$ 1,540.74
TOTAL:	\$ 11,509.91

SANITARY SEWER SCHEDULE

PROJECT Hicksville sewer rehab phase II

START DATE January 29 2013

HRL Contracting

COMPLETION DATE August 17 2013

SITE

STREET

JAN

FEB

MAR

APR

MAY

JUN

JUL

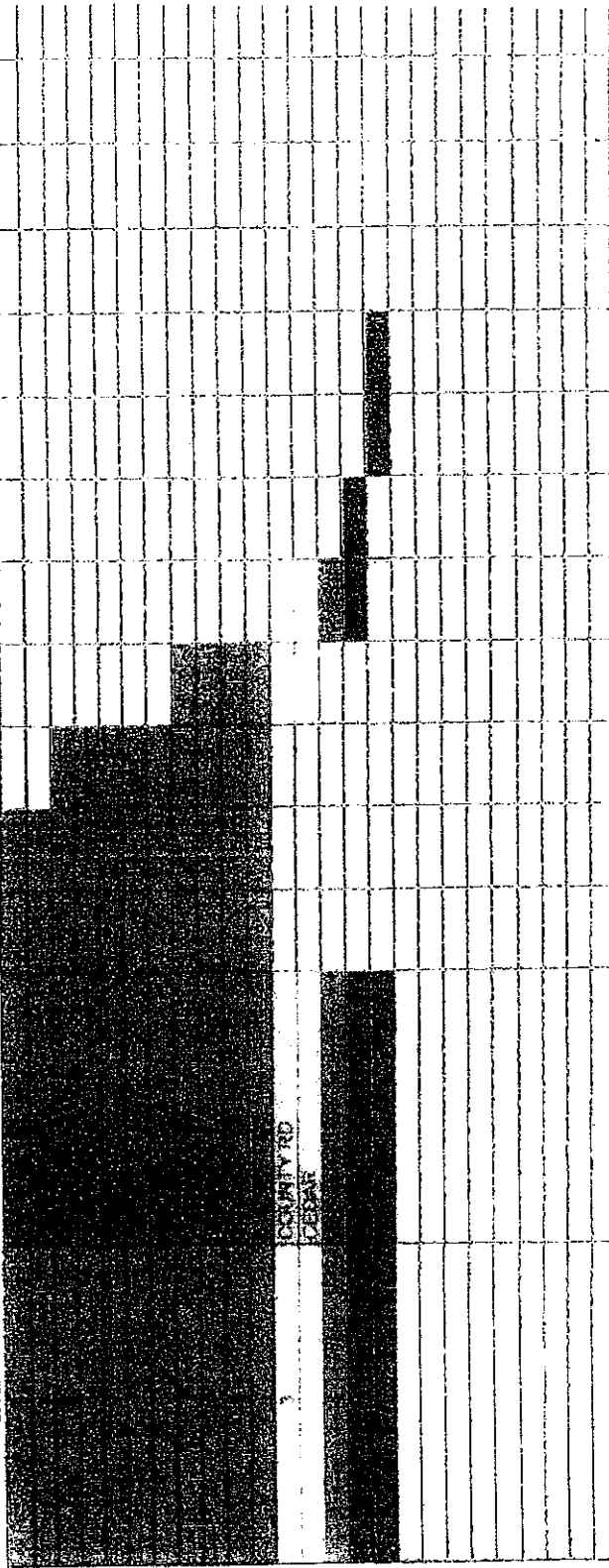
AUG

SEP

OCT

NOV

DEC





Engineering Progress

January 14, 2014

Mayor Johnny L. Dupree, Ph. D.
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-898

Re: Sewer Phase 3 - ComSWIP
City of Hattiesburg *Jay Bearden Construction*

Mayor:

Enclosed please find Pay Estimate No. 8 in the amount of \$179,495.38 for the above referenced project.

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

Sincerely,

Kyle D. Wallace, P.E.
Project Engineer

/rs

Enclosure

cc: Terry Jackson
Jay Bearden Construction, Inc.

105695, 7220.01

MB 2012-1/387

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

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SHOWS, DEARMAN & WAITS, INC. - CONSULTING ENGINEERS -

Date: 1/14/14

Project: Comprehensive Sewer Improvements Phase III
City of HattiesburgContractor: Jay Bearden Construction, Inc.
P.O. Box 180428 Richland, MS 39218

Pay Period: 10/28/13 - 1/10/14

Pay Estimate No.: Eight (8)

Item No.	Item Description	Total Quantities			Unit	Amount
		Quantity	Allowed This Period	Allowed To Date	Price	
		On Contract				
					CONTRACT TOTAL:	\$1,632,964.92

	SITE 5 - MOBILE STREET AREA						\$997,286.01
1	8" SDR 26 PVC Sewer Pipe (0'-6")	1,298		1192.00	Lin. Ft.	\$ 36.63	\$ 43,662.96
2	8" SDR 26 PVC Sewer Pipe (6'-8")	1,215		1349.00	Lin. Ft.	\$ 43.53	\$ 58,721.97
3	8" SDR 26 PVC Sewer Pipe (8'-10")	683		769.00	Lin. Ft.	\$ 50.43	\$ 38,780.67
4	8" SDR 26 PVC Sewer Pipe (10'-12")	200		237.00	Lin. Ft.	\$ 57.33	\$ 13,587.21
5	15" SDR 26 PVC Sewer Pipe (6'-8")	533		538.00	Lin. Ft.	\$ 55.90	\$ 30,074.20
6	15" SDR 26 PVC Sewer Pipe (8'-10")	676		659.00	Lin. Ft.	\$ 62.80	\$ 41,385.20
7	15" SDR 26 PVC Sewer Pipe (10'-12")	488		773.00	Lin. Ft.	\$ 69.70	\$ 53,878.10
8	15" SDR 26 PVC Sewer Pipe (12'-14")	601		324.00	Lin. Ft.	\$ 76.60	\$ 24,818.40
9	Abandonment of Existing Sewer Line	5,478		5461.40	Lin. Ft.	\$ 4.00	\$ 21,845.60
10	48" Precast Concrete Sewer Manhole (0'-8")	7		7.00	Each	\$ 1,737.11	\$ 12,159.77
11	48" Precast Concrete Sewer Manhole (6'-8")	4		3.00	Each	\$ 2,124.66	\$ 6,373.98
12	48" Precast Concrete Sewer Manhole (8'-10")	2		2.00	Each	\$ 2,512.20	\$ 5,024.40
13	60" Precast Concrete Sewer Manhole (6'-8")	2		2.00	Each	\$ 4,138.00	\$ 8,276.00
14	60" Precast Concrete Sewer Manhole (8'-10")	3		3.00	Each	\$ 4,874.00	\$ 14,622.00
15	60" Precast Concrete Sewer Manhole (10'-12")	3		3.00	Each	\$ 5,611.00	\$ 16,833.00
16	60" Precast Concrete Sewer Manhole (12'-14")	2		3.00	Each	\$ 6,347.00	\$ 19,041.00
17	Demolition and Removal of Existing Manhole	2		3.00	Each	\$ 1,000.00	\$ 3,000.00
18	Abandonment of Existing Manhole	20		17.00	Each	\$ 1,000.00	\$ 17,000.00
19	4" SDR 26 PVC Sewer Pipe for Services (All Depths)	216		166.35	Lin. Ft.	\$ 10.52	\$ 1,750.00
20	6" SDR 26 PVC Sewer Pipe for Services (All Depths)	1,884		1254.00	Lin. Ft.	\$ 14.37	\$ 18,019.98
21	8"x8"x6" PVC Tee	42		33.00	Each	\$ 161.00	\$ 5,313.00
22	15"x15"x6" PVC Tee	17		13.00	Each	\$ 393.00	\$ 5,109.00
23	6" PVC Cleanout	56		45.00	Each	\$ 202.00	\$ 9,090.00
24	Crushed Aggregate (Size 825)	2,629	177.50	3571.65	Ton	\$ 49.50	\$ 176,796.68
25	Select Fill Material (Class 9, Group C), LVM	8,060		6234.50	Cu. Yd.	\$ 8.00	\$ 49,876.00
26	Concrete Pavement Repair (All Depths)	137	120.00	120.00	Sq. Yd.	\$ 65.00	\$ 7,800.00
27	Asphalt Pavement Repair (All Depths)	5,832	4628.00	5832.00	Sq. Yd.	\$ 32.45	\$ 189,248.40
28	Concrete Curb & Gutter (Match Existing Type)	145	28.00	88.00	Lin. Ft.	\$ 20.00	\$ 1,760.00
29	Demolition and Removal of Storm Sewer Pipe (All Sizes & Depths)	428		48.00	Lin. Ft.	\$ 15.00	\$ 720.00
30	10" Reinforced Concrete Pipe, Class III, Rubber Gaskets	32			Lin. Ft.	\$ 29.25	\$ -
31	12" Reinforced Concrete Pipe, Class III, Rubber Gaskets	90		32.00	Lin. Ft.	\$ 29.25	\$ 936.00
32	15" Reinforced Concrete Pipe, Class III, Rubber Gaskets	178		38.00	Lin. Ft.	\$ 33.50	\$ 1,273.00
33	18" Reinforced Concrete Pipe, Class III, Rubber Gaskets	32			Lin. Ft.	\$ 37.50	\$ -
34	24" Reinforced Concrete Pipe, Class III, Rubber Gaskets	32			Lin. Ft.	\$ 51.50	\$ -
35	22"x13" Reinforced Concrete Arch Pipe, Class III, Flexible Plastic Gaskets	32			Lin. Ft.	\$ 57.50	\$ -
36	29"x18" Reinforced Concrete Arch Pipe, Class III, Flexible Plastic Gaskets	64			Lin. Ft.	\$ 64.50	\$ -
37	36"x23" Reinforced Concrete Arch Pipe, Class III, Flexible Plastic Gaskets	12		12.00	Lin. Ft.	\$ 90.61	\$ 1,087.32
38	Class "B" Concrete, Minor Structures	10		2.00	Cu. Yd.	\$ 1,200.00	\$ 2,400.00
39	Grassing	1	90%	90%	L.S.	\$ 5,000.00	\$ 4,500.00
40	Erosion Control	1		50%	L.S.	\$ 10,000.00	\$ 5,000.00
41	Mobilization	1		100%	L.S.	\$ 54,000.00	\$ 54,000.00
42	Maintenance of Traffic	1	25%	100%	L.S.	\$ 20,000.00	\$ 20,000.00
						subtotal	\$ 983,763.84



December 18, 2013
Project No: HR.11001.007
Invoice No: 011001-07-2 (FINAL)

City of Hattiesburg
Attn: Director of Engineering
PO Box 1898
Hattiesburg, MS 39403-1898

Project HR.11001.007 Task Order #7 -- No -- Discharge WWT

Professional Services from September 1, 2013 to October 31, 2013

Fees

Total Fee	\$60,810.00		
Percent Complete	99.87	Total Earned	\$60,732.34
		Previous Fee	\$25,093.49
		Current Fee Billing	\$35,638.85
		Total Fee	\$35,638.85
		Total this Task Order	\$35,638.85

(see the itemized invoice attached)

The following items of work were completed:

1. Contract Negotiations
2. Meetings with Groundworx, LLC & City of Hattiesburg

Certification

I, the undersigned, do hereby certify that the above invoice reflects a true and accurate accounting of the records of HRG, LLC and that the amount has not been paid or previously invoiced.

By: _____

Title: _____

105695.6015
MB 2013-1/219



December 18, 2013
 Project No: HR.11001.007
 Invoice No: 011001-07-2 (FINAL)

City of Hattiesburg
 Attn: Director of Engineering
 PO Box 1898
 Hattiesburg, MS 39403-1898

Project HR.11001.007 Task Order #7 – No Discharge WWT

Professional Services from September 1, 2013 to October 31, 2013

Labor for Neel-Schaffer, Inc.

Mike Essary – Engineer Manager	68.0 hours @ \$166.05	\$11,291.40
Michelle Gill – Engineer Intern II	4.00 hours @ \$77.14	\$308.56
Stan Keely – Project Engineer	23.0 hours @ \$171.97	\$3,955.31
Nathan Husman – Engineer Manager	38.0 hours @ \$158.92	\$6,038.96
Jennifer Nobles – Admin Svc Manager	0.50 hours @ \$63.80	\$31.90
Total N-S labor		\$21,626.13

Labor for SDW

Shea McNease – Project Engineer	100.5 hours @ \$139.43	\$14,012.72
Total SDW labor		\$14,012.72

Total this Invoice \$35,638.85

Billing Limits	Current	Prior	To-Date
Total Billings	\$35,638.85	\$25,093.49	\$60,732.34
Contract Amount			\$60,810.00
Fee Remaining			\$77.66

Federal Tax ID 45-2475863
 (Please remit payment to: P. O. Box 22625, Jackson, MS 39225-2625)

Hattiesburg, Mississippi does hereby certify to Hancock 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 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 December 19, 2013 (the “Loan Agreement”).
- (4) The payment herein authorized and approved is a proper charge against the 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: Connie Everett (dc)
Title: Mayor or City Clerk
(Authorized City Representative)



City of Hattiesburg, MS

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

Master

File Number: 2013-0854

File ID: 2013-0854

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

File Created: 12/31/2013

Brief Title: Adopt Resolution Setting Public Hearing

Final Action: 02/04/2014

Minute Book Number: MB2014-36

Title:

Adopt a Resolution setting a Public Hearing at 4 p.m. March 3, 2014 to determine if certain properties are in such a state of uncleanness 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:

Sponsors:

Enactment Date:

Attachments: Setting Public Hearing MEMO 2-3-14, RESOLUTION
Setting Public Hearing 2-4-14, executed
RESOLUTION Setting Public Hearing 2-4-14
RES2014-19

Enactment Number:

Contact:

Meeting Date: 02/04/2014

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014	Adopt				Pass
Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Dryden to Adopt a Resolution setting a Public Hearing at 4 p.m. March 3, 2014 to determine if certain properties are in such a state of uncleanness 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.							
There being no discussion, the Motion received the affirmative vote of the Council as follows:							
Yeas: 5 - Bradley, Delgado, Carroll, Dryden and Naylor							
Nays: 0							
Yea: 5 Council Member Bradley Council Member Delgado Council Member Carroll Council Member Dryden Council Member Naylor							
TEL-No Vote: 0							

Text of Legislative File 2013-0854

Title

Adopt a Resolution setting a Public Hearing at 4 p.m. March 3, 2014 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

Set hearing on unsafe properties for 3-3-14

Budget Information

Expenditure Type

Purchasing Item

Publication Information



Mayor

Johnny L. DuPree, Ph.D.

Council - Ward 1

Kim Bradley

Council - Ward 2

Deborah Denard Delgado

Council - Ward 3

Carter Carroll

Council - Ward 4

Mary Dryden

Council - Ward 5

Henry Naylor

MEMORANDUM

TO: Mayor and City Council

FROM: Wiley Quinn Jr., Code Enforcement Manager

DATE: January 3, 2014

RE: Setting of Public Hearing

Request the setting a Public Hearing at 4 p.m. March 3, 2014 to determine the properties listed below constitute issues of safety and health according to the provisions of MS Code of 1972, Section 21-19-11.

Address	Parcel #	Ward
1. 1000 Atlanta St.	33-196-2-1	2
2. 715 Atlanta St.	34-992-7-15	2
3. 923 Deason Ave.	38-152-1-14	2
4. 607 E. 2 nd St.	35-292-9-5	2
5. 609 E. 2 nd St.	35-292-9-4	2
6. 218 E. 3 rd St.	35-652-1-7	2
7. 801 E. 7 th St.	34-264-9-8	2
8. 515 Mobile St.	34-444-34-31	2
9. 913 Mobile St.	34-992-4-15	2
10. 117 Nora St.	35-728-1-15	2
11. 616 New Orleans St.	34-444-41-11	2
12. 1427 North Main St.	27-144-3-7	2
13. 427 Lake St.	27-736-2-4	2
14. 406 Gulfport St.	43-1020-33	2
15. 312 W. 4 th St.	28-560-2-6	2
16. 402 W. 4 th St.	28-560-3-1	2
17. 101 W. 5 th St.	27-964-1-4	2
18. 1615 W. 7 th St.	20-176-1-34	2
19. 314 B East 7 th St.	34-992-18-3	2

Prepared by:
City of Hattiesburg
Code Enforcement

P.O. Box 1898
Hattiesburg, Mississippi 39403-1898
(601) 554-1027

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

RESOLUTION

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

Address	Parcel #	Ward
1. 1000 Atlanta St.	33-196-2-1	2
2. 715 Atlanta St.	34-992-7-15	2
3. 923 Deason Ave.	38-152-1-14	2
4. 607 E. 2 nd St.	35-292-9-5	2
5. 609 E. 2 nd St.	35-292-9-4	2
6. 218 E. 3 rd St.	35-652-1-7	2
7. 801 E. 7 th St.	34-264-9-8	2
8. 515 Mobile St.	34-444-34-31	2
9. 913 Mobile St.	34-992-4-15	2
10. 117 Nora St.	35-728-1-15	2
11. 616 New Orleans St.	34-444-41-11	2
12. 1427 North Main St.	27-144-3-7	2
13. 427 Lake St.	27-736-2-4	2
14. 406 Gulfport St.	43-1020-33	2
15. 312 W. 4 th St.	28-560-2-6	2
16. 402 W. 4 th St.	28-560-3-1	2
17. 101 W. 5 th St.	27-964-1-4	2
18. 1615 W. 7 th St.	20-176-1-34	2
19. 314 B East 7 th St.	34-992-18-3	2

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 uncleanliness 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 owner of the above described properties be notified, as provided by law, of a hearing to be held by

the City Council in the Council Meeting Room of City Hall in Hattiesburg, Mississippi, at 4:00p.m. On March 3, 2014, to determine whether or not the above-described properties are in such a state of uncleanliness 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 4th day of February, A.D., 2014.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor this, the 4th day of February, A.D., 2014.

ATTEST:

ADOPTED:

CITY CLERK

MAYOR

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

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

RESOLUTION

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

Address	Parcel #	Ward
1. 1000 Atlanta St.	33-196-2-1	2
2. 715 Atlanta St.	34-992-7-15	2
3. 923 Deason Ave.	38-152-1-14	2
4. 607 E. 2 nd St.	35-292-9-5	2
5. 609 E. 2 nd St.	35-292-9-4	2
6. 218 E. 3 rd St.	35-652-1-7	2
7. 801 E. 7 th St.	34-264-9-8	2
8. 515 Mobile St.	34-444-34-31	2
9. 913 Mobile St.	34-992-4-15	2
10. 117 Nora St.	35-728-1-15	2
11. 616 New Orleans St.	34-444-41-11	2
12. 1427 North Main St.	27-144-3-7	2
13. 427 Lake St.	27-736-2-4	2
14. 406 Gulfport St.	43-1020-33	2
15. 312 W. 4 th St.	28-560-2-6	2
16. 402 W. 4 th St.	28-560-3-1	2
17. 101 W. 5 th St.	27-964-1-4	2
18. 1615 W. 7 th St.	20-176-1-34	2
19. 314 B East 7 th St.	34-992-18-3	2

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 uncleanliness 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 owner of the above described properties be notified, as provided by law, of a hearing to be held by

the City Council in the Council Meeting Room of City Hall in Hattiesburg, Mississippi, at 4:00p.m. On March 3, 2014, to determine whether or not the above-described properties are in such a state of uncleanliness 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, Carroll, seconded by Council member Dryden, and was adopted by the following vote, to wit:

YEAS: Bradley
Delgado
Carroll
Dryden
Naylor

NAYS: None

ABSENT:

The President thereby declared the motion carried and the Resolution adopted this, the 4th day of February, A.D., 2014.

(SEAL)

ATTEST:

Debra K. Burdick
CLERK OF COUNCIL

ADOPTED:

[Signature]
PRESIDENT

The above and foregoing Resolution having been submitted to and approved by the Mayor this, the 4th day of February, A.D., 2014.

ATTEST:

Connie Everett (ex)
CITY CLERK

ADOPTED:

[Signature]
MAYOR



City of Hattiesburg, MS

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

Master

File Number: 2014-0891

File ID: 2014-0891

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 01/27/2014

Brief Title: Authorize Mayor to execute Task Order # 2 under professional services contract dated October 8, 2013 with Shows, Dearman & Waits, Inc. for a Comprehensive Sanitary Sewer Study.

Final Action: 02/04/2014

Minute Book Number: MB2014-36-37

Title:

Authorize Mayor to execute Task Order # 2 under professional services contract dated October 8, 2013 with Shows, Dearman & Waits, Inc. for a Comprehensive Sanitary Sewer Study.

Notes:

Sponsors:

Enactment Date:

Attachments: SSO Task Order #2, executed SSO Task Order #2

Enactment Number:

Contact:

Meeting Date: 02/04/2014

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	02/04/2014	Authorize				Pass
Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Naylor to Authorize Mayor to execute Task Order # 2 under professional services contract dated October 8, 2013 with Shows, Dearman & Waits, Inc. for a Comprehensive Sanitary Sewer Study.							
There being no discussion, the Motion received the affirmative vote of the Council as follows:							
Yeas: 5 - Bradley, Delgado, Carroll, Dryden and Naylor							
Nays: 0							
Yea: 5 Council Member Bradley Council Member Delgado Council Member Carroll Council Member Dryden Council Member Naylor							
FEL-No Vote: 0							

Text of Legislative File 2014-0891

Title

Authorize Mayor to execute Task Order # 2 under professional services contract dated October 8, 2013 with Shows, Dearman & Waits, Inc. for a Comprehensive Sanitary Sewer Study.

Summary

Authorize Mayor to execute Task Order # 2 under professional services contract dated October 8, 2013 with Shows, Dearman & Waits, Inc. for a Comprehensive Sanitary Sewer Study.

Budget Information

105695.6015

\$2,021,125.00

Expenditure Type

Regular Budget Item

Purchasing Item

Water & Sewer Bond

Publication Information



Engineering Progress

January 22, 2014

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

Attn: Honorable Johnny L. DuPree, Ph.D.

RE: Comprehensive Sanitary Sewer Study
Task Order #2
City of Hattiesburg, MS

Dear Mayor DuPree,

Shows, Dearman and Waits, Inc. (Engineer) is pleased to provide professional services to assist the City of Hattiesburg (City) in accordance with the contract dated October 8, 2013. Professional services requested by the City and included in Task Order #2 are composed of the following items of work for the study area:

1. Temporary flow monitors (60 Days)
2. Permanent flow monitors
3. Temporary rain gauges (60 Days)
4. Permanent rain gauges
5. Smoke testing
6. T.V. and clean sewer main
7. Sonar/CCTV Inspection
8. Dye water flooding
9. T.V. and clean service laterals
10. Calibration of flow model
11. Sub-meter GPS location of manholes not depicted on City maps
12. Rehabilitation recommendations

The study area referenced in Task Order #2 shall be defined as approximately 10,000 linear feet of sewer main upstream of the EPA reported forty three (43) habitual sanitary sewer overflows (SSOs) or the sewer sub basin associated with the respective SSO, whichever is less, as determined by the Engineer.

Due to the complexity and varying level of investigation necessary to properly assess the sanitary sewer collection system, there are no estimated quantities included in the

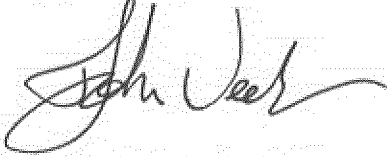
301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

scope of work. These pay items will be utilized where required to properly evaluate the system as determined by the Engineer.

Compensation for work performed will be on a unit price basis per Attachment "A" with a not to exceed fee of \$2,021,125.00. This task order will cover all professional services described and performed for one (1) calendar year from the date of acceptance, or per a mutually agreed upon extension by both parties.

Please indicate acceptance of Task Order #2 by execution and return to our office. Thank you for the opportunity to provide these services to the City of Hattiesburg.

Sincerely,



John T. Weeks, P.E.
Project Engineer

/rs

Enclosure

ACCEPTED:

Mayor Johnny L. DuPree, Ph.D.

Date

Hattiesburg, MS Sewer System Evaluation Survey (SSES)

Attachment "A"

ITEM NO.	SERVICE DESCRIPTION		UNIT	UNIT PRICE
SECTION 1000 MOBILIZATION DEMOBILIZATION				
1000.01	MOBILIZATION AND DEMOBILIZATION OF STANDARD EQUIPMENT & CREWS		LS	\$10,000.00
SECTION 2000 FLOW MONITORING SERVICES				
2000.01	TEMPORARY FLOW MONITORING - TURN-KEY STUDY WITH REPORT - BASED ON 60 DAY STUDY		EA	\$5,000.00
2000.02	TEMPORARY FLOW MONITORING - 30 DAY EXTENSION		EA	\$2,250.00
2000.03	TEMPORARY RAIN GUAGE - TURN-KEY STUDY WITH REPORT - BASED ON 60 DAY STUDY		EA	\$1,650.00
2000.04	TEMPORARY RAIN GUAGE - 30 DAY EXTENSOIN		EA	\$750.00
2000.05	PUMP STATION EVALUATION - MONITORING & PUMP CONFORMATIONS		EA	\$1,600.00
2000.06	LONG-TERM FLOW MONITOR INSTALLATION		EA	\$2,750.00
2000.07	LONG-TERM FLOW MONITOR MAINTENANCE, CALIBRATION & REPORTING - PER MONTH		EA	\$1,250.00
2000.08	LONG-TERM RAIN GUAGE INSTALLATION		EA	\$1,000.00
2000.09	LONG-TERM RAIN GUAGE MAINTENANCE, CALIBRATION & REPORTING - PER MONTH		EA	\$350.00
2000.10	NIGHT FLOW ISOLATION		EA	\$350.00
SECTION 3000 SMOKE TESTING				
3000.01	SMOKE TESTING (INCLUDING DATA MANAGEMENT)		LF	\$0.50
SECTION 4000 MANHOLE SERVICES				
4000.01	3D MANHOLE CONDITION ASSESSMENT WITH INTERNAL IMAGES AND GPS DATA COLLECTION		EA	\$100.00
4000.02	STRUCTUAL MANHOLE CONDITION ASSESSMENT WITH INTERNAL IMAGES		EA	\$85.00
4000.03	REMOVAL OF STABILIZED DEBRIS		EA	\$225.00
4000.04	MANHOLE INSPECTION DATA MANAGEMENT		EA	\$4.50
SECTION 5000 SANITARY SEWER LINE CLEANING				
5000.01	STANDARD CLEANING 6" SANITARY SEWER		LF	\$1.30
5000.02	STANDARD CLEANING 8" SANITARY SEWER		LF	\$1.45
5000.03	STANDARD CLEANING 10" SANITARY SEWER		LF	\$1.60
5000.04	STANDARD CLEANING 12" SANITARY SEWER		LF	\$2.10
5000.05	STANDARD CLEANING 15" SANITARY SEWER		LF	\$3.15
5000.06	STANDARD CLEANING 18" SANITARY SEWER		LF	\$5.90
5000.07	STANDARD CLEANING 21" SANITARY SEWER		LF	\$6.75
5000.08	STANDARD CLEANING 24" SANITARY SEWER		LF	\$7.75
5000.09	STANDARD CLEANING 27" SANITARY SEWER		LF	\$8.75
5000.10	STANDARD CLEANING 30" SANITARY SEWER		LF	\$10.25
5000.11	STANDARD CLEANING 36" SANITARY SEWER		LF	\$12.25
5000.12	PROTRUDING TAP CUTTING		EA	\$210.00
SECTION 6000 ROOT / GREASE CUTTING				
6000.01	ROOT / GREASE CUTTING IN 6" - 12" SANITARY SEWER		LF	\$1.25
6000.02	ROOT / GREASE CUTTING IN 15" - 21" SANITARY SEWER		LF	\$2.10
6000.03	ROOT / GREASE CUTTING IN 24" - 36" SANITARY SEWER		LF	\$3.70

Attachment "A"

[illegible]



Engineering Progress

January 22, 2014

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

Attn: Honorable Johnny L. DuPree, Ph.D.

RE: Comprehensive Sanitary Sewer Study
Task Order #2
City of Hattiesburg, MS

Dear Mayor DuPree,

Shows, Dearman and Waits, Inc. (Engineer) is pleased to provide professional services to assist the City of Hattiesburg (City) in accordance with the contract dated October 8, 2013. Professional services requested by the City and included in Task Order #2 are composed of the following items of work for the study area:

1. Temporary flow monitors (60 Days)
2. Permanent flow monitors
3. Temporary rain gauges (60 Days)
4. Permanent rain gauges
5. Smoke testing
6. T.V. and clean sewer main
7. Sonar/CCTV Inspection
8. Dye water flooding
9. T.V. and clean service laterals
10. Calibration of flow model
11. Sub-meter GPS location of manholes not depicted on City maps
12. Rehabilitation recommendations

The study area referenced in Task Order #2 shall be defined as approximately 10,000 linear feet of sewer main upstream of the EPA reported forty three (43) habitual sanitary sewer overflows (SSOs) or the sewer sub basin associated with the respective SSO, whichever is less, as determined by the Engineer.

Due to the complexity and varying level of investigation necessary to properly assess the sanitary sewer collection system, there are no estimated quantities included in the

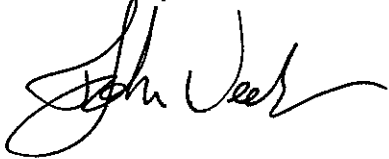
301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.1821 | (f) 601.544.0501 | sd-w.com

scope of work. These pay items will be utilized where required to properly evaluate the system as determined by the Engineer.

Compensation for work performed will be on a unit price basis per Attachment "A" with a not to exceed fee of \$2,021,125.00. This task order will cover all professional services described and performed for one (1) calendar year from the date of acceptance, or per a mutually agreed upon extension by both parties.

Please indicate acceptance of Task Order #2 by execution and return to our office. Thank you for the opportunity to provide these services to the City of Hattiesburg.

Sincerely,

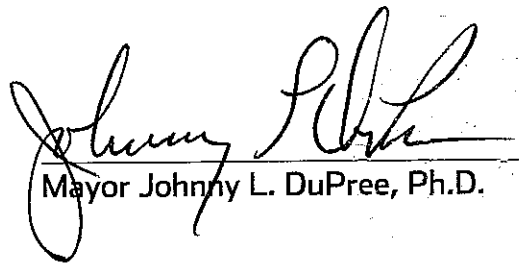


John T. Weeks, P.E.
Project Engineer

/rs

Enclosure

ACCEPTED:



Mayor Johnny L. DuPree, Ph.D.

2-4-14

Date

Hattiesburg, MS Sewer System Evaluation Survey (SSES)

Attachment "A"

ITEM NO.	SERVICE DESCRIPTION		UNIT	UNIT PRICE
SECTION 1000 MOBILIZATION DEMOBILIZATION				
1000.01	MOBILIZATION AND DEMOBILIZATION OF STANDARD EQUIPMENT & CREWS		LS	\$10,000.00
SECTION 2000 FLOW MONITORING SERVICES				
2000.01	TEMPORARY FLOW MONITORING - TURN-KEY STUDY WITH REPORT - BASED ON 60 DAY STUDY		EA	\$5,000.00
2000.02	TEMPORARY FLOW MONITORING - 30 DAY EXTENSION		EA	\$2,250.00
2000.03	TEMPORARY RAIN GUAGE - TURN-KEY STUDY WITH REPORT - BASED ON 60 DAY STUDY		EA	\$1,650.00
2000.04	TEMPORARY RAIN GUAGE - 30 DAY EXTENSOIN		EA	\$750.00
2000.05	PUMP STATION EVALUATION - MONITORING & PUMP CONFORMATIONS		EA	\$1,600.00
2000.06	LONG-TERM FLOW MONITOR INSTALLATION		EA	\$2,750.00
2000.07	LONG-TERM FLOW MONITOR MAINTENANCE, CALIBRATION & REPORTING - PER MONTH		EA	\$1,250.00
2000.08	LONG-TERM RAIN GUAGE INSTALLATION		EA	\$1,000.00
2000.09	LONG-TERM RAIN GUAGE MAINTENANCE, CALIBRATION & REPORTING - PER MONTH		EA	\$350.00
2000.10	NIGHT FLOW ISOLATION		EA	\$350.00
SECTION 3000 SMOKE TESTING				
3000.01	SMOKE TESTING (INCLUDING DATA MANAGEMENT)		LF	\$0.50
SECTION 4000 MANHOLE SERVICES				
4000.01	3D MANHOLE CONDITION ASSESSMENT WITH INTERNAL IMAGES AND GPS DATA COLLECTION		EA	\$100.00
4000.02	STRUCTUAL MANHOLE CONDITION ASSESSMENT WITH INTERNAL IMAGES		EA	\$85.00
4000.03	REMOVAL OF STABILIZED DEBRIS		EA	\$225.00
4000.04	MANHOLE INSPECTION DATA MANAGEMENT		EA	\$4.50
SECTION 5000 SANITARY SEWER LINE CLEANING				
5000.01	STANDARD CLEANING 6" SANITARY SEWER		LF	\$1.30
5000.02	STANDARD CLEANING 8" SANITARY SEWER		LF	\$1.45
5000.03	STANDARD CLEANING 10" SANITARY SEWER		LF	\$1.60
5000.04	STANDARD CLEANING 12" SANITARY SEWER		LF	\$2.10
5000.05	STANDARD CLEANING 15" SANITARY SEWER		LF	\$3.15
5000.06	STANDARD CLEANING 18" SANITARY SEWER		LF	\$5.90
5000.07	STANDARD CLEANING 21" SANITARY SEWER		LF	\$6.75
5000.08	STANDARD CLEANING 24" SANITARY SEWER		LF	\$7.75
5000.09	STANDARD CLEANING 27" SANITARY SEWER		LF	\$8.75
5000.10	STANDARD CLEANING 30" SANITARY SEWER		LF	\$10.25
5000.11	STANDARD CLEANING 36" SANITARY SEWER		LF	\$12.25
5000.12	PROTRUDING TAP CUTTING		EA	\$210.00
SECTION 6000 ROOT / GREASE CUTTING				
6000.01	ROOT / GREASE CUTTING IN 6" - 12" SANITARY SEWER		LF	\$1.25
6000.02	ROOT / GREASE CUTTING IN 15" - 21" SANITARY SEWER		LF	\$2.10
6000.03	ROOT / GREASE CUTTING IN 24" - 36" SANITARY SEWER		LF	\$3.70

Hattiesburg, MS Sewer System Evaluation Survey (SSES)
Attachment "A"

[illegible]



City of Hattiesburg, MS

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

Master

File Number: 2014-0888

File ID: 2014-0888

Type: Regular Agenda Item

Status: Passed

Version: 1

Reference:

In Control: City Council

File Created: 01/24/2014

Brief Title: Housing Rehabilitation, Reconstruction and Repair Programs Manual

Final Action: 02/04/2014

Minute Book Number: MB2014-37

Title:

Approve amended Housing Rehabilitation, Reconstruction and Housing Repair Program Manual, adopted on 10/21/2008 found at MB2008-6/348-373 and most recently amended 03/08/2011 found at MB2011-2/71-72 (copy on file in City Clerk's office).{Entitlement}

Notes:

Sponsors:

Enactment Date:

Attachments: RED LETTER DRAFT - Part 1, 1A, and 1B - Revised 2-2014, DRAFT - Part 1, 1A, and 1B - Revised 2-2014, Part 2- Revised 5-2010, Part 3 - Revised 2-2014 - including Exhibit L

Enactment Number:

Contact:

Meeting Date: 02/04/2014

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014	Approve				Pass
	Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Naylor to Approve amended Housing Rehabilitation, Reconstruction and Housing Repair Program Manual, adopted on 10/21/2008 found at MB2008-6/348-373 and most recently amended 03/08/2011 found at MB2011-2/71-72 (copy on file in City Clerk's office).{Entitlement}						
	There being no discussion, the Motion received the affirmative vote of the Council as follows:						
	Yeas: 5 - Bradley, Delgado, Carroll, Dryden and Naylor						
	Nays: 0						
		Yea: 5	Council Member Bradley Council Member Delgado Council Member Carroll Council Member Dryden Council Member Naylor				
		TEL-No Vote: 0					

Text of Legislative File 2014-0888

Title

Approve amended Housing Rehabilitation, Reconstruction and Housing Repair Program Manual, adopted on 10/21/2008 found at MB2008-6/348-373 and most recently amended 03/08/2011 found at MB2011-2/71-72 (copy on file in City Clerk's office). {Entitlement}

Summary

Housing Rehabilitation, Reconstruction and Repair Programs Manual

Budget Information

Expenditure Type

Purchasing Item

Publication Information

City of Hattiesburg
Department of Federal and State Programs

HOUSING REHABILITATION/ RECONSTRUCTION

AND

**HOUSING REPAIR GRANTS PROGRAM
MANUAL**

**(CDBG/HOME)
AUGUST 2004**

**AMENDED
OCTOBER 2008
MAY 2010
SEPTEMBER 2010
MARCH 2011
FEBRUARY 2014**

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PART I

PROGRAM GUIDELINES

**CITY OF HATTIESBURG HOUSING REHABILITATION AND HOUSING REPAIR
GRANTS
PROGRAM MANUAL**

**CITY OF HATTIESBURG
HOUSING REHABILITATION and HOUSING REPAIR GRANTS
PROGRAM GUIDELINES
DEPT OF FEDERAL AND STATE PROGRAMS
COMMUNITY DEVELOPMENT DIVISION
(CDBG/HOME)**

I. PURPOSE

The intent of these guidelines is to establish a uniform system to be used in the implementation of the Housing Rehabilitation and Housing Repair Grants Program administered by the City of Hattiesburg Department of Federal and State Programs and is not intended to supersede any federal or state regulations pertaining to housing. Federal and/or state rule shall prevail in the event of conflict relating to the guidelines contained within.

II. APPROVED AREAS

- A. Housing Rehabilitation or Repair activities are dependent upon the household being income-eligible according to HUD guidelines and not necessarily upon the location of the home in an eligible Census Tract. Housing Rehabilitation or Repair activities can take place in any geographic area within the City given approval under all other program criteria. However, it is possible for the City or its Subrecipients to designate certain areas as target areas, revitalization areas, or redevelopment areas in an effort to focus investment in particular geographic areas. ~~Census data, block group data and surveys, which conform to HUD guidelines, will be used to establish that an area meets the low/moderate income eligibility guidelines.~~
- B. Based on a needs assessment, the City may identify target areas for the Housing Rehabilitation and Housing Repair Grants Program. The City may establish the program's priorities based on its available land use data, the most recent housing condition survey, and/or recent Census information on the number of substandard structures in an eligible area, or on the number of low-income households in an area.

III. GRANT PROGRAMS AND DEFINITIONS

The City's Housing Rehabilitation Grants Program provides rehabilitation and repair grants to eligible homeowners to bring substandard housing into compliance with housing and related codes with the exception of functional systems which do not create a

safety or health hazard as determined by the Program's inspection team. Depending upon the severity of substandard housing conditions, a housing rehabilitation grant will fall into one of three categories: Basic Rehabilitation, Substantial Rehabilitation and Emergency Repair. With these grants, proposed work and work performed is subject to code compliance and review.

- A. Basic Rehabilitation refers to improvements and repairs that are vital to the health, safety and comfort of occupant(s). Major housing system improvements and repairs can include plumbing, electric, heating/air, structural, roofing and certain cosmetic improvements to address blighting conditions. Improvements and repairs must comply with the ~~2003~~ 2006 International Residential Code requirements (or whichever code version or adaptation has been most recently adopted by the City of Hattiesburg) and Housing Quality Standards.
- B. Substantial Rehabilitation also includes repairs that are vital to the health, safety and comfort of occupant(s), as well as improvements and repairs that are needed to bring substandard property up to housing codes. Improving or repairing the major housing systems is priority. Cosmetic improvements to address blighting conditions is also included if the budget permits.
- C. Emergency Repair Grants provide assistance to address serious repair condition(s) which pose(s) an immediate threat to the health, safety and welfare of the occupants and are available to Homeowners on a citywide basis. These grants are to repair life/safety code violations that exist in an eligible home. In this instance, it is not the intent of the Program or the City to bring a home into code compliance but to eliminate an immediate hazardous condition(s). For the purposes of this program grant, only the repair work performed is subject to code compliance and review.

In all cases where HOME Investment Partnership funds are invested, whether Basic Rehabilitation, Substantial Rehabilitation, or Emergency Repair, all life threatening deficiencies must be addressed. Additionally, in all cases where HOME funds are invested, upon completion of the project, all major systems must be in a condition reasonably expected to maintain a useful life of at least five (5) years (although this is not a warranty of those items).

IV. APPLICATIONS/ELIGIBILITY

- A. Applications for housing rehabilitation and housing repair grants assistance can be solicited through various public media and public forums including communication at neighborhood meetings.
- B. Applicants will be selected using objective criteria that incorporate established HUD guidelines as well as any identified criteria set forth in the *City of Hattiesburg's Consolidated Plan*. Applications will be accepted during a designated time period.
- C. Proof of ownership (i.e., Warranty Deed, Quit Claim Deed, 99-Year Leasehold) of the property to be rehabilitated or otherwise repaired will be required. Income verification will be obtained. Title opinions and appraisals may be secured at the

discretion of the Program. Proof of homeowner's insurance and, where applicable, flood insurance are required. Federal Emergency Management Agency (FEMA) Document Number 186 dated July 13, 1989, as amended, currently stipulates that "agencies are prohibited from providing financial assistance unless the property to which that financial assistance is applicable is protected by flood insurance and must therefore require the purchase of flood insurance as a condition of making such financial assistance available." Current city and county tax receipts will also be required.

- D. Submission of an application does not guarantee a grant award or that rehabilitation or other repair work will take place. The Homeowner may be required to attend housing maintenance and/or financial counseling after application acceptance.

City of Hattiesburg employees, elected officials, and their immediate families are not eligible to participate or to benefit from the Housing Rehabilitation and Housing Repair Grants Program. The immediate family is defined as:

- | | | |
|---------------|-----------------|------------------------------|
| a. Spouse | f. Stepbrothers | k. Grandparent |
| b. Parent | g. Stepsisters | l. Mother- or father-in-law |
| c. Stepparent | h. Child | m. Son- or daughter-in-law |
| d. Brothers | i. Stepchild | n. Brother- or sister-in-law |
| e. Sisters | j. Grandchild | |

- E. All properties being considered for a housing rehabilitation or repair grant will be inspected by the City of Hattiesburg's Land Code Division based on the requirements of the *Land Development Code, Code of Ordinances, and International Property Maintenance Code*. These inspections relate to the general maintenance of the property and are intended to eliminate trash and litter, abandoned vehicles, overgrown lots, and unsanitary conditions. A complete inspection for a housing rehabilitation or repair grant will not be done until outstanding Property Maintenance Code Violations have been resolved. Property Maintenance Code Inspections not corrected within ten (10) days of receiving a notice to correct violations will result in the applicant being ineligible for the Program. Action will be taken as provided by applicable City Ordinance when a Homeowner chooses not to correct code violations. The Housing Coordinator will forward the name or a list of potential grant recipients to the City Building Official. Property maintenance code inspections will be scheduled. Code officers will perform the inspections on potential projects of this Program in the usual manner. However, a copy of the property maintenance inspection report will be forwarded to the Program's Housing Coordinator for placement in the permanent project file.
- F. Applications will routinely be processed in the order of date received; however, if conditions exist in a home that pose an immediate threat to the health, safety, and welfare of the occupants, the Director of Federal and State Programs will have the authority to assign priority status and move an applicant up on the list. The Director

shall review and approve a *Priority Re-inspection Form* (see Exhibit B) to serve as written documentation of the basis for moving any applicant up on the list. This documentation shall be placed in the project file.

V. INSPECTIONS

- A. After an application for assistance is processed and the property has met all property maintenance code requirements, a work-write up inspection will be scheduled. The scheduling of all inspections for projects funded with Community Development funds will be coordinated through the Community Development Division. When repair work requires a rough-in, finished work or final inspection, contractors will contact the Community Development Division office. When contacted with an inspection request, the Land Code Office Manager will coordinate a date and time for the requested inspection with the schedules of the Code Technical Inspectors. The inspection date and time is entered in a scheduling log, to inform the Housing Coordinator and update the appropriate inspection schedules. The Office Manager or designee of the Land Code Division will take the necessary steps to have the inspections properly noted in that Division's records and to ensure that the Technical Inspectors are aware of the date and time of a scheduled inspection. When contacted for scheduling an inspection, the Homeowner shall be informed that all parts of the home must be accessible to inspectors so that a thorough inspection can be made. Inspectors will not be required to move boxes, furniture, and other household items in order to perform inspections. A member of the team will make the Homeowner aware that the team has arrived and the inspection is about to begin. If it is the general consensus of the inspection team that a home or parts thereof are determined to be inaccessible, other than attics or crawlspaces, to the extent that a thorough inspection cannot be performed, the inspection team will immediately terminate the inspection process, take pictures and make applicable notes to document and support the determination. The homeowner will be informed that the inspection cannot be completed until the situation has been resolved. Upon written notification from the homeowner and a subsequent review by program staff to determine that the matter has been adequately resolved, the inspection will be rescheduled.

During Inspections, the Uniform Physical Condition Standards checklist (Exhibit L) and the Feasibility Certification/Checklist (Exhibit A) will be completed to determine the extent to which rehabilitation or repair is needed, whether or not life/safety threatening code violations exist, and the cost estimate associated with correction. This will be completed and signed or initialed as indicated on the applicable document and dated by all members of the inspection team. A rough floor plan of the home will be made, and pictures of the interior and exterior structure(s) and all areas inspected shall be taken during the inspection process. Pictures serve as supporting documentation of needed repair work, confirmation that work has been done and become a part of the permanent file. The inspection report shall be signed and dated by members of the inspection team, then permanently placed in the respective homeowner's repair project file. Where applicable, the report will subsequently be used to develop a work write-up specification and cost estimate.

- B. Other than property maintenance code inspections and routine work site review progress inspections, all inspections will be performed by an inspection team consisting of a minimum of one Housing Program Inspector, one Code Technical Inspector when applicable, or one other housing staff person when code review is not required. Rough in, finish work or other repair items routinely reviewed by the Land Code Division will require a Technical Inspector. Only a City Building Official or if absent, a designee, can assign a Technical Inspector or propose an alternative route to meet this requirement, if the need arises and on a case-by-case basis for the purposes of this Program. At any time, the Housing Coordinator or other Housing Staff may also be present during any inspection. Inspections will be based upon the requirements of the: International Residential Code for One and Two-Family Dwellings. During inspections, the inspection team members will confer as needed on technical issues. In an effort to eliminate confusion among contractors and homeowners and to ensure that the process set forth in this manual is not circumvented or unduly compromised, all final directives regarding work performed or to be performed in relation to the Program (Housing Rehabilitation and Housing Repair Grants Program) shall be communicated to said parties by the Housing Program Inspector. The Technical Inspector and Housing Program Inspector should conduct sidebar discussions as needed to resolve issues requiring further repair or review. Discussions requiring resolution of differences of opinion between the Technical Inspectors and Housing Program Inspector on code issues will be presented to the City Building Official who is the ultimate authority on matters of the code. Programmatic related issues or issues other than those surrounding disputes between Technical Inspectors and the Housing Program Inspector will be resolved in a manner to be determined by the Director of Federal & State Programs or a designee in accordance with the guidelines of this program as specified in this manual or with consultation and solicitation of expert opinion via internal or external sources and with guidance from the U.S. Department of Housing and Urban Development (HUD) when necessary. Prior to the final inspection of a project that requires an attending Technical Inspector, the Housing Program inspection team consisting of the Housing Program Inspector and Housing Coordinator or applicable designee at a minimum, will conduct a preliminary final inspection(s) with the Contractor to verify that the project is truly at the point of completion, ready for review by the final inspection team. The scheduling of these inspections, as with all others for projects funded with Community Development funds, will be coordinated through the Community Development Division and handled by the scheduler as previously described in this manual.
- C. Lead Based Paint Hazards shall be evaluated and the proper course of action taken based on the latest HUD guidelines in effect at the time of the inspection. Asbestos Hazards shall be evaluated and the proper course of action taken based on the latest U.S. Department of Environmental Protection Agency (EPA) and the Mississippi Department of Environmental Quality (MDEQ) guidelines in effect at the time of the inspection.
- D. If the inspection reveals that no substandard conditions of a hazardous code violation or of a health or safety threatening nature exist, the Homeowner will be notified in

writing and the master file will be closed. A written inspection, complete with pictures, shall be placed in the Homeowner's file to serve as evidence of the conditions found at the time of the inspection. The inspection shall be dated and signed by the inspectors making the inspection. When prepared, the Homeowner will verify and sign the Work Write Up. All documents will be forwarded for placement in the housing program project file. A copy of these documents may be made and retained by the Housing Program Inspectors. The originals of all documents will be placed in the permanent files.

- E. If the inspection reveals substandard conditions of a hazardous code violation or of a health/safety threatening nature, a work write-up and a cost estimate will be prepared by the Housing Program Inspector and reviewed by the Housing Coordinator, Program Manager and City Building Official. A written inspection report complete with rough floor plan and pictures shall be placed in the Homeowner's file to serve as evidence of the conditions found at the time of the inspection. All documents will be placed in the housing repair project file. A working copy of these documents will be made and retained by the Housing Program Inspector for use in preparing the work write-up and cost estimate. Upon completion, the inspection report(s) will be signed and dated by the inspection team members. When prepared, the Homeowner will verify and sign the Work Write Up. Originals of these documents will be placed in the permanent file.

- F. The work write-up and cost estimate are prepared:

1. The Owner will be consulted on the proposed work write-up, given an opportunity to discuss the work noted therein and request such changes that are within the boundaries of the applicable program. The consultation will also include obtaining the Homeowner's permission to solicit bids or cost quotations from contractors. Prior to soliciting bids or cost quotations, the completed work write-up must be approved and justified by the Homeowner, Housing Coordinator, Housing Program Inspector, and City Building Official.

Note: To effect expediency of completion, rehabilitation or repair projects may be assigned to one or more sub-recipients who will provide written cost quotations for the required work for comparison to Program staff cost estimates in lieu of a general bid solicitation process.

2. The Homeowner will be provided a final work write-up and consulted on work to be performed after the lowest, best bidder has been selected that is not more than 10% higher nor 10% less than the program staff cost estimate, or after assignment of a project to a sub-recipient as previously noted and prior to awarding the *Rehabilitation Work Agreement Contract* (see Exhibit D).
- G. If an inspection reveals that a structure needs to be demolished, the City Building Official will be informed and enforcement will be carried out through the standard procedures of the City as prescribed by State statutes. In addition, the City Anti-Displacement Policy will be adhered to along with the Uniform Relocation

Assistance and Real Property Acquisition Policies Act of 1970 (URA) ~~Uniform Acquisition and Relocation Guidelines established by the U.S. Department of Housing and Urban Development (HUD).~~

VI. FEASIBILITY

- A. A structure can be deemed feasible for a Housing Rehabilitation or Housing Repair Grant if the cost of its rehabilitation or repairs does not exceed the maximum costs allowed by the City's program of **\$25,000 for a Basic Housing Rehabilitation Grant and \$50,000 for a Substantial Housing Rehabilitation Grant, and \$10,000 for an Emergency Repair Grant**, and Homeowners meet the program income and other eligibility criteria in accordance with the program guidelines.

~~Note: Figures for grant amounts may be adjusted as market trends require and will be made a part of the program files prior to acceptance of applications.~~

- B. A determination that a structure is not feasible for rehabilitation or repair will be based on the work write-up and cost estimates, review of photographs and any other supporting documentation, where applicable, and review of the homeowner's application and file. A structure deemed infeasible for a Basic Housing Repair Grant due to the estimated cost of repairs and not due to the ineligibility of the applicant because of income or other program requirements, will automatically be considered for a ~~Housing Rehabilitation Grant. Likewise, conditions remaining the same, if costs deem a structure infeasible for a Basic Rehabilitation grant, it will automatically be considered for the~~ Substantial Rehabilitation Grant if funds are available and not already designated to other projects/applicants. If/when funds are available for other programs enacted by an Action Plan, properties infeasible for Substantial Rehabilitation may be considered for those other programs.

The City under any of the following circumstances will deem a project infeasible for repair or rehabilitation.

- 1) The estimated cost for repair/rehabilitation exceeds the maximum of \$50,000
- 2) The Homeowner rejects the Program's repair or rehabilitation plans
- 3) The Homeowner fails to meet the eligibility criteria for participation in the Program,
- 4) The Homeowner otherwise does not comply with program requirements.

The Housing Program Inspector will complete *Feasibility Certification/Checklist* (see Exhibit A), attach it to the work write-up and cost estimate and forward all documents to the Housing Coordinator.

- C. Any structure not deemed feasible for repair or rehabilitation under the above guidelines will be so documented by the Housing Coordinator and attached to the other documents for further forwarding and review. All documents will then be forwarded for review to the Director of Federal & State Programs who will verify the

determination of infeasibility. The Director will review, verify, and return the documents to the Housing Coordinator who will then send written notification of the determination of infeasibility to the Homeowner.

VII. APPEALS

If a Homeowner disagrees with staff decisions on any or all of the qualifying criteria, he or she may appeal the decision to the Director of the Department of Federal and State Programs. The Homeowner should submit a written request for review of the decision within ten (10) working days of notice of the decision to the:

**Department of Federal and State Programs
Attention: Director
Post Office Box 1898
Hattiesburg, MS 39403-1898**

The Director should respond to the Homeowner within ten (10) working days. An appeal of the decision of the Director should be made to the **CDBG/HOME Board of Appeals** in writing within ten (10) working days of notice of the decision to the:

**Department of Federal and State Programs
C/O: Director
Attention: CDBG/HOME Board of Appeals
Post Office Box 1898
Hattiesburg MS 39403-1898**

The Board, which is a committee created by the Resolution of the Hattiesburg City Council, is made up of three members appointed by the Mayor. The members shall be employed by the City of Hattiesburg and shall not be employees of the Department of Federal and State Programs. The CDBG/HOME Board of Appeals will meet as needed, if and when an appeal is made from a decision of the Director. Any further appeals will be made to the court with appropriate jurisdiction.

VIII. HOUSING REHABILITATION AND REPAIR GRANTS

A. Application Process:

1. The Homeowner must have lived in and possess clear title to the home to be rehabilitated or repaired for a period of one (1) year prior to submitting an application for assistance.
2. To be considered for a Housing Rehabilitation Assistance Grant, a property must present major substandard housing conditions of a non-aesthetic nature, and household income may not exceed eighty percent (80%) of the median income according to family size. Median income will be the most recent figures published by the Department of Housing and Urban Development and provided by the Department of Federal and State Programs for Hattiesburg, Mississippi.
3. To be considered for a Housing Repair Grant, household income may not exceed eighty percent (80%) of the median income according to family size. Housing

must present repair need(s) of an immediate threat to life, health or safety. In recognition of the fact that such repairs likely pose a high risk to the health and safety of the occupants, time is of the essence; therefore, the Program, on a case-by-case basis may perform an inspection of a Homeowner's property upon approval by the Director of Federal & State Programs.

4. Potential applicants will be counseled by the Housing Coordinator who will explain the parameters of the repair grant's assistance and determine the nature of the repair needs and the immediacy of the life, health or safety threat when applicable. If it appears that the potential applicant will qualify and the housing conditions appear to meet the necessary criteria, the applicant will be assisted in completing an application. For Housing Repair Grants, a statement of the nature of the immediate threat condition(s) shall be noted in the application. A finding that immediate threat conditions exist will be attached to the application based upon findings of the City's housing inspection team using the *Feasibility Certification/Checklist* (Exhibit A). The inspection process including team members will be as previously described in Section V ~~IV~~ contained herein. Prior to the start of any repair work, an application and all required documentation for a housing grant must be submitted.
- B. All applicants will undergo a Third Party verification process to verify eligibility for a housing ~~CDBG~~ grant, furnish proof of ownership status, one (1) year residency, flood insurance as applicable, homeowner's insurance, and current paid City and County tax receipts. For Housing Repair Grants, the Homeowner's insurance may be waived on a case-by-case basis at the discretion of the Director depending upon the immediate nature of the repairs needed and the surrounding circumstances and assuming the waiver of such requirement is in compliance with the applicable HUD regulation.
 - C. The maximum grant limits for housing rehabilitation grants are: \$25,000 for a Basic Rehabilitation Grant and \$50,000 for a Substantial Rehabilitation Grant. The maximum for an Emergency Repair Grant is \$10,000. Maximums are based on the cost for contract work excluding possible discovery items, environmental review costs, temporary relocation stipends, or other project delivery costs that may be associated. Allowable costs are those reasonable and necessary ~~up to the maximum grant limits required~~ to bring substandard housing condition into compliance with housing and related codes with the exception of functional systems which do not create a safety and health hazard in the case of Housing Rehabilitation Grants, or to eliminate immediate threat(s) to life, health or safety in the case of Housing Repair Grants. Due to the competitive bidding process and depending on nature of the work required, ~~Thus, in either case,~~ it is possible that a total grant to any one Homeowner could be less than the stated maximums ~~allowed~~. Due to discovery, environmental review, temporary relocation stipends, and other related project costs, it is also possible that the total grant and project costs is higher than the stated maximum.
 - D. Homeowners receiving a Housing Rehabilitation Grant will not be eligible for additional repair assistance excluding warranty repair items for not less than ~~a five-~~ ~~(5) to fifteen-~~ ~~(15)-year~~ the applicable affordability period.

General Affordability Periods are as follows, ~~but are prescribed by HUD depending on the total cost of the project and not the type of the project:~~

- ~~1. **Five (5) years for a Emergency Repair Grant** where improvement of substandard housing conditions requires repairs at an estimated cost not to exceed \$10,000 excluding discovery items.~~
 - ~~2. **Ten (10) years for Basic Rehabilitation Grant** where improvement of substandard housing conditions requires repairs at an estimated cost not to exceed \$25,000 excluding discovery items.~~
 - ~~3. **Fifteen (15) years for a Substantial Rehabilitation Grant** where improvement of substandard housing conditions require substantial repairs including repairs to, or rebuilding and/or replacing some or all major building systems within an existing sound housing structure, and where the estimated total cost of repairs excluding discovery items is determined will exceed \$25,000 but are less than the \$50,000 maximum.~~
1. **Three (3) years for Emergency Repair Grants** where improvement of substandard housing conditions requires repairs at an estimated cost not to exceed \$10,000 excluding discovery items and for **Basic Rehabilitation Grants** where improvement of substandard housing conditions requires repairs at an estimated cost not to exceed \$25,000 excluding discovery items.
 2. **Five (5) years for Substantial Rehabilitation Grants** where improvement of substandard housing conditions require substantial repairs including repairs to, or rebuilding and/or replacing some or all major building systems within an existing sound housing structure, and where the estimated total cost of repairs excluding discovery items is determined will exceed \$25,000 but are less than the \$50,000 maximum.
 3. **Ten (10) years for Reconstruction Grants** (a form of Substantial Rehabilitation identified in Part IA, herein) where improvement includes the demolition of a home unsuitable for rehabilitation and the construction of a new home on the same property.
- E. ~~The Director may reduce the affordability period from five (5) years to three (3) for homeowners receiving Emergency Repair Grants where exceptional circumstances exist and the property is in need of additional repairs.~~
- E. Homeowners who provide false information concerning income, residency or other information required to prove eligibility will be required to repay in full all grant funds awarded for the rehabilitation work performed to the residence and associated legal and other costs incurred as a result of any required collection actions taken.
- F. After selection of a Contractor but prior to the execution of the Work Agreement, the Homeowner must execute the appropriate Grant Agreement. (See Exhibit F).

- G. Affordability Periods are time periods in which beneficiaries are expected to 1) continue to utilize the home as their personal residence, and are restricted from selling or otherwise transferring the title to any other party. Transfers of property during an active affordability period will result in a recapture of a pro rated portion of the federal funds invested in the project. In the instance of a transfer of title (sale or otherwise) as a result of the death of the homeowner/beneficiary, the affordability period may be canceled. In the event that City staff is made aware of the death of a beneficiary (where there is no spouse or other joint applicant to carry on ownership), the City may cancel the Deed of Trust (affordability period) even before any transfer of title takes place.

IX. INCLUSIVE GRANT COSTS

- A. Cost of correcting building code violations
- B. Testing and/or assessment of asbestos and lead-based paint hazards with a possible abatement, if necessary
- C. One-Year Premium for Flood Insurance when applicable
- D. Legal and other professional fees, if necessary
- E. Up to ten percent (10%) of the cost of repairs for change orders, unless otherwise approved by the Director of the Department of Federal and State Programs, if necessary
- F. Title Opinions and Appraisals, as deemed necessary
- G. Cost associated with temporary relocation, if necessary
- H. Termite or other Pest inspection and treatment, if necessary
- I. Necessary Public Notices, if necessary
- J. Environmental Review costs
- K. Project Delivery costs

X. CONTRACTS AND CONTRACTORS

- A. A list of Qualified Eligible Contractors (QEC list) will be maintained in the City of Hattiesburg Department of Federal and State Programs-Community Development Division. Contractors may be added to the list annually; however, no Contractor shall be allowed to submit a bid or cost quotation if not a Qualified Eligible Contractor and has not obtained a Data Universal Numbering System number (DUNS). In order to be placed on the QEC list, an eligible contractor must respond to one of the Department's periodically advertised Requests for Qualified Eligible Contractors. Advertised notices will define what documentation is required and the deadline for submission. The Department of Federal & State Programs will review all submissions for consideration.

1. Qualified Eligible Contractors (QECs) must:
 - a. Furnish current references from three (3) subcontractors, two (2) suppliers, one (1) bank, and three (3) prior jobs. The Housing Program Inspector will review the three (3) prior jobs, provided by the contractor, for quality and workmanship. This requirement is not intended to exclude any Contractor, but is intended to verify a track record of established business.
 - b. Furnish a copy of current license from the City of Hattiesburg
 - c. Furnish a copy of liability insurance, Workmen's Compensation as required.
 - d. Sign a *Work Agreement* (Exhibit D) for each contract undertaken, which includes the agreement to abide by all local codes and ordinances as well as the City's Housing Programs Manual in all work performed.
2. Bids will be requested from all eligible contractors. The Homeowner will review the Qualified Eligible Contractors list and have the option of identifying up to two Contractors that the owner would prefer not to contract with in the rehabilitation or repair of his/her home, although there must be enough remaining contractors willing to bid so as to satisfy City, State, and Federal procurement requirements.
3. A Contractor's license from the City of Hattiesburg may be revoked for good cause in accordance with the codes and ordinances of the City. Also, contractors may be removed and disbarred from the Qualified Eligible Contractor list based on the following:
 - a. When a project's construction time exceeds, without justifiable cause, the construction period reflected in the contract. Once advised of the failure to meet contract deadlines, the contractor shall complete work within five (5) working days. If work exceeds the extended deadline, without justifiable cause, the contractor will be fined \$100 per day until the work is completed or until the contract is terminated at the discretion of the Program. In the event that the contractor neglects to complete contracted work, the associated Work Agreement (see Exhibit D) may be terminated and the Housing Coordinator will arrange to have another contractor from the Qualified Eligible Contractors list complete the work. The Housing Program Inspector and the City Building Official or designee will determine the extent of work not completed. In some instances it may be necessary to estimate a percentage of work completed. The cost of work line items not completed or the percentage of work not completed, whichever is applicable, will be deducted from the total contracted amount in addition to the deduction for the penalty for incompleteness. These funds will be used to defray the cost for the unfinished work. Any remaining payment due the Contractor will not be made until all work is complete and the penalty for incompleteness will be deducted at that time.

- b. When a contractor's construction performance is unacceptable as documented by the City of Hattiesburg Housing Program Inspector, Technical Inspectors, and Housing Coordinator.
 - c. When a contractor violates the terms, conditions, and contents of the Work Agreement (see Exhibit D)
 - d. When a contractor violates the Housing Rehabilitation and Housing Repair Grants Program Guidelines
 - e. When a contractor does not pay labor and material costs relating to the job, which could result in a lien against the property
 - f. When a contractor fails to start work within ten (10) working days of issuance of the Notice to Proceed (see Exhibit G) without justifiable cause, the contractors shall submit a letter to the attention of the Housing Coordinator explaining the reason(s) for the work delay, prior to the end of the ten (10) day working period, for approval. Contractors exceeding the ten (10) working days start date may be terminated from the Work Agreement (see Exhibit D) with the Homeowner. (If contracted as the result of a bid, the next lowest best bidder will be contracted with the homeowner to perform work originally contracted with the lowest best bid Contractor.) In the event additional bids were not received, the project will be re-bid. The Contractor that exceeded the ten (10) working day period to start work will not be eligible to bid on the project. If contracted as the result of assignment to an eligible ~~CHDO~~ Sub-recipient to do housing rehabilitation or housing repair, the project will be reassigned to another eligible ~~CHDO~~ Sub-recipient.
 - g. When one or a combination of causes in (a) through (f) above or any other reasonable documented causes exists.
- 4. The Director shall notify all contractors that have been removed or disbarred from the Qualified Eligible Contractors list in writing setting forth the cause and the term of disbarment.
 - 5. The U. S. Department of Housing and Urban Development (HUD) will be notified of Contractors violating federal law or exhibiting unethical behavior and recommended for disbarment from federal programs.
 - 6. The Qualified Eligible Contractors list may not in any manner be used as a means for discrimination or exclusion on the basis of race, national origin, sex, or age.
 - 7. Contractors may request reinstatement in writing to the Director when disbarment did not result from violation of federal, state or local law.
 - 8. Appeals to the Qualified Eligible Contractors Selection Process

If a Contractor disagrees with selection committee decisions on any or all of the qualifying criteria, he or she may appeal the decision to the CDBG/HOME Board

of Appeals. The Contractor should submit a written request for review of the decision within ten (10) working days of notice of the decision to the:

**Department of Federal and State Programs
C/O: Director
Attention: CDBG/HOME Board of Appeals
Post Office Box 1898
Hattiesburg MS 39403-1898**

Response time by the board will depend on the nature of the appeal, but will be as timely as possible. The Board, which is a committee created by the Resolution of the Hattiesburg City Council, is made up of three members appointed by the Mayor. The members shall be employed by the City of Hattiesburg and shall not be employees of the Department of Federal and State Programs. The CDBG/HOME Board of Appeals will meet as needed, if and when an appeal is made. Any further appeals will be made to the court with appropriate jurisdiction.

B. Bidding

1. Eligible Contractors will be furnished bid packages a minimum of ten (10) working days prior to bid closing.
2. Contractors ~~must shall~~ attend a pre-bid conference to include an onsite walk through review of the project and the proposed work several days prior to bid closing.
3. Bids must be submitted on the *Bid Proposal Form* (see Exhibit E). The bid must include a line item total and a grand total of the contractor's proposal written in ink or typed. When bids are reviewed, the line items will be totaled, and that sum shall become the official grand total even if the contractor made an error in addition. The same form is to be used when any eligible entity submits cost quotations for assigned projects or for determination of assignment of projects.
4. Bids and cost quotations must be submitted in a sealed envelope marked with the Contractor's name and address, as well as the project address, to the City of Hattiesburg City Clerk's office either hand delivered or mailed. Contractors may mail bids at their own risk; bids not in the possession of the City Clerk's office by the deadline stated cannot be considered. ~~Housing Coordinator in the Department of Federal and State Programs:~~

**Department of Federal and State Programs
Attn: ~~Housing Coordinator~~
P. O. Box 1898
Hattiesburg, MS 39403-1898**

Mail: _____ Physical: _____

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

City of Hattiesburg
City Clerk
200 Forrest Street, 2nd Floor
Hattiesburg, MS 39401

5. Contract price shall not be 10% higher nor be less than 10% below the program staff cost estimate. If the bids or quotations are not within these limits, the Housing Coordinator may negotiate the costs with the Contractor having the lowest best bid who is nearest to meeting the limitations.
6. Bids from contractors not on the Qualified Eligible Contractors list and bids from contractors with whom the homeowner indicated they would not enter into a *Work Agreement* (see Exhibit D), will be rejected.
7. The successful bidding contractor will be notified in writing within five to ten (5 to 10) days after a review by the selection committee identifies the selected contractor ~~the bid closing date~~. All other bidding contractors will be notified in writing within fifteen (15) days of the selection of the successful contractor.
8. All bids shall be firm for a period of thirty (30) days from the date of bid closing. If a contract is not executed, nor a *Notice to Proceed* (see Exhibit G) issued within thirty (30) days from bid opening, the contractor may withdraw his/her bid and proposal, thereby terminating and releasing both parties from any further obligation and liabilities.
9. All bids received will be tabulated using the *Repair Bid Results Form* (See Exhibit E.)
10. The City reserves the right to accept or reject any or all bids or to waive any formality in the bidding.
11. The Housing Coordinator and the Housing Program Inspector shall weigh the capacity of contractors to complete work in accordance with the standards of the City during the bidding process. Caution will be exercised to ensure that contractors do not get overloaded to the extent that they cannot perform work in a timely manner. At least until a track record is established for each contractor, the Housing Program Inspector will have the authority to recommend that a contractor(s) may not bid on new work until he/she is nearing completion or has completed on-going work in the City's program.

C. Document

1. The homeowner and contractor shall execute the contract document supplied by the Department of Federal and State Programs titled *Work Agreement* (see Exhibit D). After execution of the *Work Agreement* and following an onsite pre-construction conference, a *Notice To Proceed* (see Exhibit G) will be issued to the contractor. Prior to commencement of work, the contractor shall obtain the appropriate building and related permits from the Land Code Development Division.

2. Amendments

As with any construction work involving remodeling or renovation of an existing structure, change orders may be necessary as the result of discovery when completing work items such as replacing deteriorated roofing, siding, flooring, and other items previously specified in the work write-up for a project. The scope of work for any proposed change order will be determined by the primary Housing Program Inspector or, when necessary, a designee Inspector who will immediately inform the Housing Coordinator of the need for the change order, the proposed scope of work required and any other pertinent details surrounding the pending circumstances. The Housing Program Inspector will write the work specifications and estimate costs for the additional work to be included in the file. A copy of the work specifications/~~cost estimate~~ will be given to the contractor who will ~~note the~~ quote a price for the additional work. The contractor's proposed price is compared to the ~~program's~~ Housing Program Inspector's estimate and is automatically approved if within 10% above or below the program's estimate. If the Contractor's price is outside the 10% parameters previously noted, then the Housing Program Inspector, Contractor and Housing Coordinator at a minimum will negotiate the cost to a mutually agreeable price that is deemed reasonable and necessary ~~an acceptable level~~. The Director at his/her discretion will participate and or designate other staff to participate in negotiations. After settling on an agreed upon price, a formal Change Order form (see Exhibit J-1) is prepared and circulated to the Housing Program Inspector, Housing Coordinator, Programs Manager, Building Official or designee, and the Director or designee for signatures. The homeowner and contractor will also sign the change order to review evidence, understanding and agreement of associated work details and costs. The Housing Coordinator is responsible for tracking this form through the signature process in a manner to effect an expedient turnaround time. The Program will strive whenever possible to effect no more than a two-day turnaround for internal signatures for change orders. Additionally, on a case-by-case basis, to deter lengthy delays in dire circumstances where the homeowner would be severely inconvenienced by even short delays in construction efforts (such as open roofs, walls and floors, non-functioning bath and toilet facilities due to a discovery repair item) a change order can be priority-routed through the process in which the Housing Program Inspector calls in to the office and follows through the initial steps of the change order process via telephone or radio communication. The Change Order Work Detail/Cost Estimate Form (see Exhibit J-2), a triplicate document, can be prepared on site and a copy given or left at the site for the contractor's estimating as soon as possible. If necessary, the Housing Program Inspector can complete the cost estimate on the spot, call in and relay all of the information to the Housing Coordinator who will follow the proper line of communications to receive expedient approval for going forward with the change order work request, then relay approval to proceed to the Housing Program Inspector.

- a. Change Orders must be approved as outlined above and must be documented as follows:

- 1) Item number on work write-up and description of work to be changed
- 2) Reason for change
- 3) Related code violation, if applicable
- 4) Increase or decrease in cost resulting from change order
- 5) Other related information needed to render a decision.

All changes to the contract must be documented using the *Change Order Form* (see Exhibit J-1). Additionally, a written explanation of the reason for each change order repair item should be noted on the *Work Detail Specification/Cost Estimate* (see Exhibit J-2) and the document signed by the designated Housing Program Inspector or designee Inspector. This form must accompany each change order request to be reviewed for processing and still applies in the case of priority routing.

- b. All change orders are subject to availability of funds, program regulations and must be approved in accordance with the procedures outlined above. The contractor will not be paid for any work performed prior to execution of a proper change order or documented verbal approval as outlined in ~~Section X~~ ~~IX~~ (C) (2). Documentation should include date and time of telephone or radio contact and detail of major points of discussion with Housing Program Inspector and others regarding the requested change order estimating as soon as possible. If necessary, the Housing Program Inspector can complete his cost estimate on the spot, call in and relay all of the information to the Housing Coordinator who will follow the proper line of communications to receive expedient approval for going forward with the change order work request, then relay approval to proceed to the Housing Program Inspector.
- c. Nothing in this section shall be construed to prohibit the Director of Federal and State Programs from overruling the final approval or disapproval of any change order, except that in such instances a factual basis for the ruling must be established, documented and made a part of the permanent case file

D. Inspections/Monitoring:

1. The Housing Coordinator and the Housing Program Inspector will maintain close supervision over all work. The Housing Program Inspector and/or appropriate Code Inspector (Enforcement Officer or Technical Inspector as applicable) will conduct the following inspections from application through construction completion (see Part I — ~~Section V~~ ~~IV~~):

- a. Property Maintenance Code Inspection

- b. Work write-up inspection/ Identification of code violations and immediate repair items.
- c. Pre-construction conference to include a walk-through of work to be performed with all potential Contractors at job site.
- d. Progress Inspections — to ensure the quality of the construction, onsite visits to review work in progress will be conducted at least weekly by the Housing Program Inspector in addition to the rough-in and finished work inspections outlined below that will also require review by a Technical Inspector:
 - 1) Electrical- inspection of electrical work performed will be conducted at the rough-in stage before work is covered up with sheetrock, etc.
 - 2) Plumbing- inspection of plumbing work performed will be conducted at the rough-in stage before work is covered up with sheetrock, etc.
 - 3) Mechanical- inspection of mechanical functions will be conducted at the rough-in stage before work is covered up with sheetrock, etc.
 - 4) Building- inspection of the building will be conducted at the rough-in stage before work is covered up with sheetrock, etc.

The Hattiesburg Land Code Division will perform mechanical, plumbing, electrical, and building inspections in keeping with standard procedures of the Land Code Division. Housing Program Inspectors and Technical Inspectors shall insist upon quality construction with high quality new materials within reasonable constraints of the funds available. In no event shall the Housing Program Inspector or Technical Inspector sign off on any inspection of which he/she has knowledge of inferior or defective construction or materials or which percentage of completion is less than that noted on the inspection form.

- 2. Preliminary Final Inspection(s) — The Housing Programs Inspector and Housing Coordinator will inspect to verify that there is no incomplete work remaining from the work write-ups including any change orders (where applicable) prior to the review by the final inspection teams. Punch lists will be prepared at this point for any incomplete items. After all work is confirmed complete, a true final inspection will be scheduled.
- 3. Final Inspection: After completion of all repairs in the work write-up and change orders, a final inspection will be conducted by the Housing Program Inspector, Technical Inspector and Housing Coordinator or designee to ensure that all work is completed satisfactorily and in accordance with the contract. The inspection should be made together with the owner and the Contractor. If all work has been completed satisfactorily, a *Certificate of Final Inspection* (see Exhibit I-1) shall be completed and signed by all appropriate persons.

4. Inspection Reports: A copy of all inspection reports including code property and technical inspection reports should be signed, dated, and filed in the permanent project file in the Community Development Division-Housing Programs Unit.

E. 180 Day/~~240 Day~~/300 Day Inspections:

1. The Housing Program Inspector shall make a site visit to the home rehabilitated or otherwise repaired after one hundred eighty (180) days or six (6) months, ~~two hundred forty (240) days~~ and three hundred (300) days after the *Certificate of Final Inspection* (see Exhibit I-1) has been issued, to review work performed. The Housing Program Inspector and Homeowner shall note any defects revealed during the inspection, and the Contractor will be provided a punch list of the same. If defects arise during the one-year warranty period, it is the responsibility of the Homeowner to inform the City.
2. Once advised of warranty items, the Contractor shall perform corrections within ten (10) working days, weather conditions and other factors permitting. In the event that the Contractor neglects to correct the noted items, the Housing Coordinator will initiate procedures to seek revocation of license or disbarment of the Contractor from the QEC list, in accordance with Section X (A) ~~IX (A)(3)~~.
3. Neither the City nor the Contractor is responsible for defects or discovery of needed repairs that were not a part of the original work write up or included as a change order during the course of the contract.
4. The City may, at the discretion of the Director, with evidence provided by the Homeowner, Contractor, Housing Program Inspector, or Housing Coordinator, approve of a change order after the completion of the original project if/when the following conditions are met:
 - a. the project is still within its warranty period, or the needed work was discovered and reported within the project's general warranty period,
 - b. the needed work is not the result of incidents that are (or should be) covered by the homeowner's insurance,
 - c. the needed work is not the result of negligence or intentional damage to work previously performed by the program,
 - d. the needed work is verifiably an oversight of the original scope of work, which would have otherwise addressed a major housing system or element (and not attributable to wear, tear, or deterioration since the course of the contract), and
 - e. failure to address the additional needed work would result in damage or deterioration of the investment already made by the program, and/or would result in deterioration that would lead to health or safety threats in the foreseeable future.

F. Payments

1. All payments will be made to the Contractor within ten (10) working days from approval of invoice by the Mayor and City Council. Payment requests will be forwarded for Mayor and Council review only after the Department of Federal and State Programs receives the following:
 - a. Building certificates of final inspection
 - b. Certificate of occupancy (if applicable)
 - c. Invoice for work performed
 - d. Lien waiver by the Contractor
 - e. Release of liens by the Contractor's subcontractors and material suppliers
 - f. Final inspection and acceptance of all work by the City of Hattiesburg Housing Program Inspectors, Housing Coordinators and/or Programs Manager, City Building Official.

The homeowner's signature of acceptance of work is preferred and will be requested, but will not be required for payment to the Contractor for work performed and completed to the satisfaction of the Program. Additionally, all warranties and certifications relating to equipment, supplies and service products must be turned over to the Housing Coordinator prior to payment. Copies of all warranties and certifications shall be placed in the Homeowner's file to be retained by the City, and the originals shall be given to the Homeowner.

2. Payments to contractors must reconcile against work performed and in place. Contractors must submit invoices documenting the work completed and the amount of the contract attributable to the work completed in justifying partial draws. Payments may only be made for work and/or materials installed, constructed, or in place; no payment may be requested or made for supplies purchased, inventoried, and/or on site not installed. The Housing Program Inspector will verify work against that claimed on all invoices and determine whether or not the amount requested and the work items claimed are completed satisfactorily and are representative of the amount quoted, or an applicable portion of the amount quoted. ~~At the discretion of the Program, payments may be made in 1) one lump sum upon completion of a project, or 2) at points of 50% and 100% completion. The Housing Program Inspector and the Housing Coordinator will verify completion of work percentages. Fifty percent (50%) of the estimated total costs including any amendment made prior to the payment are due and payable respectively at each point. The~~ Although not required, the City reserves the right to retain up to five percent (5%) of the total cost of a project through the end of the one-year warranty period. This amount would be deducted from the payment made upon 100% completion of the work, and will be forwarded to the contractor at the end of one year unless extenuating circumstances with the property require that the City need access those funds during the warranty period.

~~Requests for payments in increments other than as listed above may be considered and approved by the Director. Such approval will be in writing and documented in the permanent project file.~~

3. Homeowner Signatures: With the exception of projects assigned to Subrecipients, The Housing Coordinator has the primary responsibility of communicating with and securing the homeowner's signature on all documents, which they must execute during the course of any processes associated with this housing rehabilitation or repair procedure. Only in the instance of projects assigned to Subrecipients shall it be the responsibility of the Subrecipient to obtain the homeowner's signature on any document, otherwise IN NO EVENT shall it be the responsibility of the Contractor to obtain the homeowner's signature on any document.

G. Contractor Certification

Contractor will sign a certification stating he or she understands that all rehabilitation and repair work will be accomplished in accordance with locally adopted codes and that the City will enforce those codes.

H. Disputes

All questions and disputes of decisions between the Contractor and the Homeowner regarding rehabilitation and repair work or methods, will be settled by the City of Hattiesburg's Housing Program Inspectors. In case of an un-resolvable difference of opinion between the Housing Program Inspector and Technical Inspectors regarding code issues, the City Building Official shall have final authority. Any code or construction issues not resolved by the City Building Official may be appealed to the Hattiesburg Construction Board of Examining, Adjustments, and Appeals (also known as the Hattiesburg Contractors Board). All questions, disputes or decisions regarding financial or program issues will be resolved by the Housing Coordinator in conjunction with and subject to the review and approval of the Director or his/her designee. Further appeals may be made to the City of Hattiesburg CDBG/HOME Board of Appeals for a final decision.

XI. GENERAL

No person who is an employee, agent, consultant, officer, elected official or appointed official who exercises or has exercised any functions or responsibility with respect to CDBG or HOME activities who is in a position to participate in a decision making process or gain inside information with regard to CDBG or HOME activities, may obtain a personal or financial interest or benefit from a CDBG or HOME assisted activity, or have an interest in any contract, subcontract or agreement with respect thereto or the proceeds there under, either for themselves or those with whom they have family or business ties, during their tenure or for one (1) year thereafter.

XII. RESPONSIBILITY AND AUTHORITY

The Housing Coordinator and Housing Programs Inspector, under the direction of the Director of the Department of Federal and State Programs, have delegated authority and responsibility to administer the *Housing Rehabilitation and Housing Repair Grants Program* in accordance with the guidelines set forth above and subject to the restriction of applicable local, state, and federal laws, and the dictates of sound business judgment, prudence, and ethical conduct.

PART I-A

**HOUSING
RECONSTRUCTION
GRANT PROGRAM**

I. Program Purpose

The City of Hattiesburg's Homeowner Reconstruction Program Guidelines exist to effectively implement homeowner reconstruction activities in communities throughout the city.

II. Audience

The City of Hattiesburg receives funds to engage in and manage reconstruction activities. In some instances the City of Hattiesburg may elect to delegate the implementation of a portion of the city's reconstruction program to local ~~sub-grantees~~ ~~sub-recipients~~ (i.e. non-profits). Accordingly, this manual has been prepared for City of Hattiesburg staff and its sub-grantees for the effective administration of the city's Homeowner Reconstruction Program.

III. Key Program Participants

A number of participants play key roles in the City of Hattiesburg Homeowner Reconstruction Program. They include:

U.S. Department of Housing and Urban Development (HUD)

HUD is the federal government agency that administers the CDBG and HOME Programs. HUD allocates program funds to grantees, develops and issues program regulations, notices and memoranda, monitors program performance and otherwise reviews State and local government productivity and performance.

The City of Hattiesburg

The City of Hattiesburg is an Entitlement Grantee of the HOME and CDBG programs. These program funds are intended to improve communities in the city within guidelines set by HUD as well as the City of Hattiesburg in its Housing Rehabilitation/Reconstruction and Housing Repair Grants Program Manual.

Program Administrators

The City of Hattiesburg may select contractors to carry out homeowner reconstruction activities in accordance with the Grant Agreement (Exhibit F) executed between the City of Hattiesburg and the contractors. The City may also elect to allocate federal funds to ~~organizations~~ ~~Community Housing Development Organizations~~ acting as sub-recipients of the Homeowner Reconstruction Program.

Program Recipients

Low-income residents of the City of Hattiesburg, who own and occupy their home, may qualify to participate in the Homeowner Reconstruction Program. The latest Income Limits published by HUD will be used to determine whether or not a household meets the income requirements of the program (i.e. generally has an income of less than 80% of the median income level for the area). Additionally, a property will only be considered for the Reconstruction Program when the Work Write Up performed by the ~~CDBG Rehab Specialist~~ ~~Housing Program Inspector~~ indicates that the cost of rehabilitating the property will exceed the limits imposed on the Rehab/Repair program.

IV. Meeting Program Requirements

All HUD regulations apply to homeowner reconstruction. At times, this document may not differentiate between HOME, CDBG, HUD, or City of Hattiesburg regulations. Rather, it may refer to requirements more generally as "Homeowner Reconstruction" requirements.

Eligible projects will be approved annually through the Action Plan. Homeowners who receive assistance must have a clear understanding of these requirements.

Eligible Properties

All properties reconstructed with Homeowner Reconstruction Program funds must meet the following requirements:

- Single-family property (1-4 units), including condominiums
- Owner occupies the property as a principal residence
- Owner has occupied the property for at least one year prior to program acceptance
- Property meets Section 8 Housing Quality Standards and local building codes once the reconstruction is complete
- After-reconstruction value estimate cannot exceed the ~~Maximum Appraised Value for the area~~ Maximum After-Rehab (or reconstruction) Value Limits established by HUD, or otherwise established, for a particular area where a project is to be considered.

Eligible Households

Any household that is low-income (i.e. earns less than 80% of the median income of the county) at the time assistance is provided may be eligible to participate in the Homeowner Reconstruction Program. For the purpose of determining income eligibility, the City of Hattiesburg has adopted the IRS definition of Adjusted Gross Income.

The Homeowner Reconstruction Program does not require long term monitoring for income compliance and property standards. Once a property is completed, a homeowner's income may increase above 80% of a median income and/or the property may fall into despair. The City of Hattiesburg is not required to monitor these issues for any period of affordability.

Amount of Assistance

Assistance will be based on an after reconstruction value not to exceed the maximum appraised value for the area.

Terms of Assistance

The City of Hattiesburg will provide ~~grants~~ deferred payment, forgivable loans of Housing Reconstruction Program funds to individual recipients. Projects are to be fully administered by the City of Hattiesburg or its sub-recipients, with no funds paid directly to the homeowner other than may be allowed by this program manual for temporary

relocation assistance. All project costs will be taken into consideration when determining the total deferred loan amount. ~~No loans will be made under this program except those specifically allowed in Part 1A of this manual, Section IV (D) contained herein.~~ These deferred payment, forgivable loans ~~Grants~~ are subject to recapture should the property be sold or otherwise transferred during the prescribed affordability period.

Property Standards

All units funded by HOME or CDBG funds must meet or exceed the federal Section 8 Housing Quality Standards (HQS) upon completion. Projects must also comply with the City of Hattiesburg reconstruction standards and the International Residential Code for One and Two-Family Dwellings. The HQS's are detailed in Part II of the Reference Manual.

Ineligible Properties

Homeowner reconstruction funds cannot be used for assistance on any of the following types of properties:

- Cooperatives

- Manufactured housing that will not meet the building codes for "stick-build" new construction

- Property occupied by renters

- Property or individuals previously assisted with homeowner rehabilitation funds, which are still within the prescribed affordability period.

- Projects that reduce the number of units in the building.

Relocation Costs

The City of Hattiesburg does not allow the permanent displacement of any resident of homeowner reconstruction-assisted properties. Temporary relocation will be necessary in certain instances. See the Temporary Relocation Policy for more details (Exhibit K)

Fair Housing, Equal Opportunity and Section 3

No person can be denied the benefits of, or be subjected to, discrimination under any activity funded by the Homeowner Reconstruction Program, on the grounds of race, color, national origin, religion, sex, age, or handicap.

Contracts for work performed in connection with homeowner reconstruction projects should be awarded to business concerns located in the same area as a project to the greatest extent possible as long as they are fully licensed and eligible according to HUD and City guidelines. Contractors, to the greatest extent possible, must strive to include minority business enterprises, women business enterprises, and Section 3 enterprises in work that they may sub-contract related to homeowner reconstruction.

IV. Homeowner Reconstruction Process Flow

1. Application Processing
2. Property Evaluation and Assessment
3. Project Selection
4. Determining Amount of Assistance

5. Council Approval
6. Contractor Selection
7. Pre-Construction Conference
8. Construction Management

APPLICATION PROCESSING

A. Verify Income Eligibility

The Homeowner Reconstruction Program requires that all homeowners be low-income (80% of area median income or less) at the time the assistance is provided. Income verification must occur within the six-month period prior to the start of the reconstruction. Delays in the process may require re-verification that the owner's income still meets the program requirements.

1. Determining Household Income

The City of Hattiesburg now uses the IRS definition of adjusted gross income. Income must be verified by either a review of source documentation or third party verification.

a) Third-Party Verification

Under this method, a third party-employer, social security administration, or public assistance agency is contacted to provide information. Although written requests and responses are generally preferred, conversations with a third party are acceptable if documented through a memorandum to the file that notes the contact person and date of call.

b) Review of Source Documents

Documents provided by the applicant, such as pay stubs and IRS returns, may often be the most accurate form of verification for certain types of income. These can be easier and less expensive to obtain than third party verification, however, they do not always provide full disclosure on such information as the average number of hours worked, overtime, tips, and bonuses. Copies of all documents should be retained in project files.

c) Household income must be projected for the coming year, using past earnings, as well as recent or anticipated income changes, as a basis for projecting expected income in the coming 12 months.

2. Determining Income Limits

The HUD Income Limits for ~~Forrest County~~ the Hattiesburg MSA as published and periodically updated by HUD will be used to determine the applicable income limit for the Housing Reconstruction Program

3. Comparing Household Income to Income Limits

Using the information provided in the homeowner's application, source documentation and/or third party verifications, the Income Certification form will

be completed to determine the applicant's anticipated annual income and eligibility.

B. Determine the Appraised Value

Owner-occupied housing qualifies as affordable housing only if the value of the property, after reconstruction, does not exceed the HUD established appraised value limits for the housing type for the area. An analysis must be completed before any work on the property begins to ensure that the after-reconstruction value estimate will not exceed HUD's maximum appraised value limitations. If the after-reconstruction estimate exceeds the limit, the project may be infeasible.

C. Ensure Adequate Insurance Coverage

The program must verify that all homeowners maintain adequate homeowner's insurance. Proof of insurance covering the amount of funds invested must be documented by obtaining a copy of the insurance binder. The insurance must cover the amount of the grant for the duration of the affordability period at a minimum. Homeowners insurance is mandatory for this program. Homeowners will be required to provide periodic verification of homeowner's insurance throughout the affordability period. The City of Hattiesburg may pay for the first year's insurance premium for whom obtaining it would impose financial difficulties.

All houses located in a 100-year flood plain must additionally have flood insurance equal to the amount of HOME or CBDG funds invested, and the property must be covered for the duration of the affordability period at a minimum. Homeowners will be required to provide periodic verification of flood insurance throughout the affordability period. The City of Hattiesburg may pay for the first year's flood insurance premium for whom obtaining it would impose financial difficulties.

If the house is located in the 100-year flood plain, and if the community in which the house is located does not participate in the National Flood Insurance Program, then the house cannot be reconstructed under this program.

D. Verify Ownership

The City of Hattiesburg must verify that the applicant owns the property through a review of the current tax records, deed of trust, and title opinion. The City of Hattiesburg's review of the tax records must be evidenced in writing and included as part of the project file.

Properties with existing liens exceeding five thousand dollars (\$5,000) will be deemed ineligible. The City may, at its discretion, provide loans with available HOME funds in order to pay down an existing mortgage or lien, not to exceed \$5,000 when: 1) that mortgage or lien otherwise prohibits the city from moving forward with the project; and 2) when the homeowner paying off the mortgage or lien in order to

move the project forward would create an unbearable financial hardship. Loans made in this manner will be included in the total grant amount and will, likewise, be subject to the same affordability period.

Liens or Deeds of Trust attributable to primary mortgages on a property will not, as a single circumstance, disqualify a project as long as the mortgage is current and the homeowner is determined to have an ability to keep the mortgage current for the foreseeable future. The City will not pay any amount on a primary mortgage unless it meets the threshold and terms stated above and there is determined to be such a need. The City may require the homeowner's assistance in contacting primary or secondary mortgage holders to gather information and/or to get approval from primary mortgage holders for demolition/reconstruction. Community Development Division staff will make reasonable efforts to gain such approvals when necessary, but at the Director's discretion, efforts may be halted and a project file closed when attempts to achieve primary mortgage holder's approvals (if necessary) are unsuccessful.

CONSTRUCTION MANAGEMENT

A. Inspect Construction

During construction, the Housing Inspector is responsible for conducting two types of inspections as follows:

Progress Inspections- To ensure the quality of the construction, the Housing Inspector should perform regular on-site inspections of the property. To the extent practical, each reconstruction project should be inspected twice per week. Regular progress inspections help owners identify potential problems early and enable them to take action to prevent larger problems later in the project. Inspection Reports signed and dated by the inspector must be kept in project files.

Draw Inspections- Inspections must always be performed prior to approving contractor payment requests. Payments can only be made for work that has been completed and is "in-place" (i.e. stored materials must be installed before payment can be made). The inspection reports in project files should confirm that a full inspection of the contractor's progress was performed before each payment request was processed. More detail on draw inspections is outlined in the following action.

B. Payment of Contractors

Payment procedures will follow the same guidance as other housing programs. Refer to Part I, Section X.

~~Contractors are allowed one partial draw and one final draw for each project. The partial draw may only be submitted once the project is 40% complete. As work is completed, the Contractor requests a draw inspection by calling the City of Hattiesburg. The Housing Inspector inspects the property on a scheduled date to assess the quality and completeness of the work completed. The inspector should use~~

~~a copy of the contractor's bid to determine the amount of work completed to date. Specifically, the Housing Inspector should proceed line by line down the bid indicating which items have been completed. Once the inspection is complete, the Inspector can total the completed items and determine the percentage of the project complete. The method for determining the amount of work completed should be clearly outlined on the bid such that an independent person could recalculate the draw amount without the assistance of the Inspector. Contractors may be paid for work "in place", but not for stored materials. Advancing funds to contractors is prohibited. At the conclusion of the inspection, the Inspector will complete a Contractor Payment Request Form and obtain the homeowner's signature.~~

~~Once the Inspector notifies the Contractor that the inspection has been completed, the contractor submits a final request for payment to the City of Hattiesburg. Checks are cut within 10 business days of submission of the required information from the contractor.~~

C. Issue Change Orders

~~Due to the fact that reconstruction implies the construction of a new unit in place of a demolished unit, change orders for contracts should be extremely uncommon. However, in the instance that a change order is determined necessary, procedures should follow the same guidance as other housing programs. See Part I, Section X.~~

~~In many housing reconstruction situations, it is common for a change in the scope of the work to occur. For example, the work write-up may call for replacing the existing wall covering (drywall, paneling, etc.), however, it is discovered that the wall studs have severe termite damage and they must be replaced. This was not anticipated in the work write-up and a change is now required to correct the unanticipated problem. In this example, a change order (Exhibit J) should be initiated.~~

~~Since a change order becomes a binding part of the contract, the owner and contractor must sign it with prior written approval of the City of Hattiesburg. All change orders to the construction contract must be approved by the program administrator and attached to the Reconstruction Contract before the work changes are undertaken.~~

D. Perform Inspection

~~After completion of all repairs in the work write-ups and change orders, a final property inspection is conducted. In addition to the process outlined previously in the "payment of contractors" section, the inspector should check whether the property conforms to Section 8 HQS and City of Hattiesburg Reconstruction Standards. The owner and the contractor should be present for the inspection.~~

~~If additional work, clean up, or corrections need to be accomplished, a written punch list should be created. This punch list is a detailed list of all items remaining to be completed. Provide this list in writing to the contractor with instructions that upon completion of all items and inspection of the same, final payment will be made. Immediately after completion of all punch list items, a Certificate of Final Inspection~~

is prepared and signed by all appropriate parties (Exhibit I-1). This form indicates that all work is complete in accordance with the contract and change orders and further indicates willingness to initiate closeout procedures.

E. Contract Close-out and Final Payment of Contractors

Upon completion of the final inspection, all of the following documentation should be verified as complete and in the permanent file:

- Lien Waiver (Exhibit I-2) from the general contractor
- Contractor's Final Request for Payment
- Certification of Final Inspection (I-1)
- Copies of all warranties
- Certificate of Occupancy from the Department of Urban Development

Review all of the documents for accuracy and completeness. Supply the owner with a copy of these documents.

F. Take After-Reconstruction Pictures

Document the work by taking pictures of the completed reconstruction. Always try to take the after-reconstruction pictures from the same spot pictures were taken before reconstruction.

PART I-B

**REAL PROPERTY
ACQUISITION**

I. Program Purpose

The City of Hattiesburg may utilize HOME and/or CDBG funds in accordance with 24 CFR 92.205(a) and 24 CFR 570.201(a), respectively, and the Uniform Acquisition and Relocation Guidelines, to acquire real property when such acquisition benefits the City's Housing Rehabilitation, Repair, and Reconstruction Program and other Community Development projects that support the Consolidated Plan. Inherent in the Program's ability to acquire real property in support of housing programs and other community development projects is the ability to sell real property as well.

II. Justifiable Acquisition

Justifiable real property acquisitions may include, but are not limited to: purchase of a property for rehabilitation/repair and resale to an eligible homeowner as an affordable housing unit; purchase of a property for utilization as a temporary housing unit for beneficiaries of the City's Housing programs; purchase of property for emergency shelter, permanent supportive housing, or transitional housing in support of Community Development programs; purchase of property for eligible public uses; purchase of property for a homeowner or renter when efforts to rehabilitate or reconstruct are deemed infeasible, housing needs are critical, and partnerships with other entities are available that would significantly limit the total cost to the City's Program; purchase of property for demolition for public use, resale, reconstruction, or other appropriate redevelopment. Applicable acquisition costs may include, but are not limited to: land, buildings, improvements, environmental assessments, mitigation, closing costs, attorney fees, title search, surveys, and lead and/or asbestos testing.

III. Requirements of Acquisition

Acquisition of real property must comply with the City's Anti-Displacement Policy. It is not the City's intent to require the relocation or displacement of any resident, and acquisition of real property from an occupying-homeowner that results in relocation must be documented as voluntary on the part of the homeowner. Acquisition of any property that is occupied by renters for any redevelopment, rehabilitation, or repair purpose will comply with the Uniform Acquisition and Relocation Guidelines.

Real property may only be acquired in cases where the City can attain a clear title, or the City is able to establish an agreement with the other parties to the title that would satisfy the requirements of the HOME and/or CDBG Program.

Affordability Periods for the property and/or end-user beneficiaries ~~must~~ may apply. Affordability Periods will be required in compliance first with the funding source (CDBG, HOME, or other) depending on the exact activity type. In the absence of a required/statutory/regulatory affordability period, the City may, at its discretion, require a project to carry the same affordability period as projects of a similar nature, may establish an affordability it deems most appropriate given the nature of the investment, or may forgo the affordability period if/when appropriate.

Proceeds from the sale of a property that was acquired and/or developed with HOME or CDBG funds must be recaptured by the applicable program as ~~Program Income~~ unless such a transaction occurs after such time that any applicable affordability period has been fully satisfied. When property is acquired using HOME or CDBG funds along with other resources, an agreement must be in place that identifies how potential profits or losses would be distributed, even in cases where the sale of such property is not intended.

City of Hattiesburg
Department of Federal and State Programs

HOUSING REHABILITATION/ RECONSTRUCTION

AND

**HOUSING REPAIR GRANTS PROGRAM
MANUAL**

**(CDBG/HOME)
AUGUST 2004**

**AMENDED
OCTOBER 2008
MAY 2010
SEPTEMBER 2010
MARCH 2011
FEBRUARY 2014**

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PART I

PROGRAM GUIDELINES

**CITY OF HATTIESBURG HOUSING REHABILITATION AND HOUSING REPAIR
GRANTS
PROGRAM MANUAL**

**CITY OF HATTIESBURG
HOUSING REHABILITATION and HOUSING REPAIR GRANTS
PROGRAM GUIDELINES
DEPT OF FEDERAL AND STATE PROGRAMS
COMMUNITY DEVELOPMENT DIVISION
(CDBG/HOME)**

I. PURPOSE

The intent of these guidelines is to establish a uniform system to be used in the implementation of the Housing Rehabilitation and Housing Repair Grants Program administered by the City of Hattiesburg Department of Federal and State Programs and is not intended to supersede any federal or state regulations pertaining to housing. Federal and/or state rule shall prevail in the event of conflict relating to the guidelines contained within.

II. APPROVED AREAS

- A. Housing Rehabilitation or Repair activities are dependent upon the household being income-eligible according to HUD guidelines and not necessarily upon the location of the home in an eligible Census Tract. Housing Rehabilitation or Repair activities can take place in any geographic area within the City given approval under all other program criteria. However, it is possible for the City or its Subrecipients to designate certain areas as target areas, revitalization areas, or redevelopment areas in an effort to focus investment in particular geographic areas.
- B. Based on a needs assessment, the City may identify target areas for the Housing Rehabilitation and Housing Repair Grants Program. The City may establish the program's priorities based on its available land use data, the most recent housing condition survey, and/or recent Census information on the number of substandard structures in an eligible area, or on the number of low-income households in an area.

III. GRANT PROGRAMS AND DEFINITIONS

The City's Housing Rehabilitation Grants Program provides rehabilitation and repair grants to eligible homeowners to bring substandard housing into compliance with housing and related codes with the exception of functional systems which do not create a safety or health hazard as determined by the Program's inspection team. Depending upon the severity of substandard housing conditions, a housing rehabilitation grant will fall

into one of three categories: Basic Rehabilitation, Substantial Rehabilitation and Emergency Repair. With these grants, proposed work and work performed is subject to code compliance and review.

- A. Basic Rehabilitation refers to improvements and repairs that are vital to the health, safety and comfort of occupant(s). Major housing system improvements and repairs can include plumbing, electric, heating/air, structural, roofing and certain cosmetic improvements to address blighting conditions. Improvements and repairs must comply with the 2006 International Residential Code requirements (or whichever code version or adaptation has been most recently adopted by the City of Hattiesburg) and Housing Quality Standards.
- B. Substantial Rehabilitation also includes repairs that are vital to the health, safety and comfort of occupant(s), as well as improvements and repairs that are needed to bring substandard property up to housing codes. Improving or repairing the major housing systems is priority. Cosmetic improvements to address blighting conditions is also included if the budget permits.
- C. Emergency Repair Grants provide assistance to address serious repair condition(s) which pose(s) an immediate threat to the health, safety and welfare of the occupants and are available to Homeowners on a citywide basis. These grants are to repair life/safety code violations that exist in an eligible home. In this instance, it is not the intent of the Program or the City to bring a home into code compliance but to eliminate an immediate hazardous condition(s). For the purposes of this program grant, only the repair work performed is subject to code compliance and review.

In all cases where HOME Investment Partnership funds are invested, whether Basic Rehabilitation, Substantial Rehabilitation, or Emergency Repair, all life threatening deficiencies must be addressed. Additionally, in all cases where HOME funds are invested, upon completion of the project, all major systems must be in a condition reasonably expected to maintain a useful life of at least five (5) years (although this is not a warranty of those items).

IV. APPLICATIONS/ELIGIBILITY

- A. Applications for housing rehabilitation and housing repair grants assistance can be solicited through various public media and public forums including communication at neighborhood meetings.
- B. Applicants will be selected using objective criteria that incorporate established HUD guidelines as well as any identified criteria set forth in the *City of Hattiesburg's Consolidated Plan*. Applications will be accepted during a designated time period.
- C. Proof of ownership (i.e., Warranty Deed, Quit Claim Deed, 99-Year Leasehold) of the property to be rehabilitated or otherwise repaired will be required. Income verification will be obtained. Title opinions and appraisals may be secured at the discretion of the Program. Proof of homeowner's insurance and, where applicable, flood insurance are required. Federal Emergency Management Agency (FEMA)

Document Number 186 dated July 13, 1989, as amended, currently stipulates that "agencies are prohibited from providing financial assistance unless the property to which that financial assistance is applicable is protected by flood insurance and must therefore require the purchase of flood insurance as a condition of making such financial assistance available." Current city and county tax receipts will also be required.

- D. Submission of an application does not guarantee a grant award or that rehabilitation or other repair work will take place. The Homeowner may be required to attend housing maintenance and/or financial counseling after application acceptance.

City of Hattiesburg employees, elected officials, and their immediate families are not eligible to participate or to benefit from the Housing Rehabilitation and Housing Repair Grants Program. The immediate family is defined as:

- | | | |
|---------------|-----------------|------------------------------|
| a. Spouse | f. Stepbrothers | k. Grandparent |
| b. Parent | g. Stepsisters | l. Mother- or father-in-law |
| c. Stepparent | h. Child | m. Son- or daughter-in-law |
| d. Brothers | i. Stepchild | n. Brother- or sister-in-law |
| e. Sisters | j. Grandchild | |

- E. All properties being considered for a housing rehabilitation or repair grant will be inspected by the City of Hattiesburg's Land Code Division based on the requirements of the *Land Development Code*, *Code of Ordinances*, and *International Property Maintenance Code*. These inspections relate to the general maintenance of the property and are intended to eliminate trash and litter, abandoned vehicles, overgrown lots, and unsanitary conditions. A complete inspection for a housing rehabilitation or repair grant will not be done until outstanding Property Maintenance Code Violations have been resolved. Property Maintenance Code Inspections not corrected within ten (10) days of receiving a notice to correct violations will result in the applicant being ineligible for the Program. Action will be taken as provided by applicable City Ordinance when a Homeowner chooses not to correct code violations. The Housing Coordinator will forward the name or a list of potential grant recipients to the City Building Official. Property maintenance code inspections will be scheduled. Code officers will perform the inspections on potential projects of this Program in the usual manner. However, a copy of the property maintenance inspection report will be forwarded to the Program's Housing Coordinator for placement in the permanent project file.
- F. Applications will routinely be processed in the order of date received; however, if conditions exist in a home that pose an immediate threat to the health, safety, and welfare of the occupants, the Director of Federal and State Programs will have the authority to assign priority status and move an applicant up on the list. The Director shall review and approve a *Priority Re-inspection Form* (see Exhibit B) to serve as

written documentation of the basis for moving any applicant up on the list. This documentation shall be placed in the project file.

V. INSPECTIONS

- A. After an application for assistance is processed and the property has met all property maintenance code requirements, a work-write up inspection will be scheduled. The scheduling of all inspections for projects funded with Community Development funds will be coordinated through the Community Development Division. When repair work requires a rough-in, finished work or final inspection, contractors will contact the Community Development Division office. When contacted with an inspection request, the Land Code Office Manager will coordinate a date and time for the requested inspection with the schedules of the Code Technical Inspectors. The inspection date and time is entered in a scheduling log, to inform the Housing Coordinator and update the appropriate inspection schedules. The Office Manager or designee of the Land Code Division will take the necessary steps to have the inspections properly noted in that Division's records and to ensure that the Technical Inspectors are aware of the date and time of a scheduled inspection. When contacted for scheduling an inspection, the Homeowner shall be informed that all parts of the home must be accessible to inspectors so that a thorough inspection can be made. Inspectors will not be required to move boxes, furniture, and other household items in order to perform inspections. A member of the team will make the Homeowner aware that the team has arrived and the inspection is about to begin. If it is the general consensus of the inspection team that a home or parts thereof are determined to be inaccessible, other than attics or crawlspaces, to the extent that a thorough inspection cannot be performed, the inspection team will immediately terminate the inspection process, take pictures and make applicable notes to document and support the determination. The homeowner will be informed that the inspection cannot be completed until the situation has been resolved. Upon written notification from the homeowner and a subsequent review by program staff to determine that the matter has been adequately resolved, the inspection will be rescheduled.

During Inspections, the Uniform Physical Condition Standards checklist (Exhibit L) and the Feasibility Certification/Checklist (Exhibit A) will be completed to determine the extent to which rehabilitation or repair is needed, whether or not life/safety threatening code violations exist, and the cost estimate associated with correction. This will be completed and signed or initialed as indicated on the applicable document and dated by all members of the inspection team. A rough floor plan of the home will be made, and pictures of the interior and exterior structure(s) and all areas inspected shall be taken during the inspection process. Pictures serve as supporting documentation of needed repair work, confirmation that work has been done and become a part of the permanent file. The inspection report shall be signed and dated by members of the inspection team, then permanently placed in the respective homeowner's repair project file. Where applicable, the report will subsequently be used to develop a work write-up specification and cost estimate.

- B. Other than property maintenance code inspections and routine work site review progress inspections, all inspections will be performed by an inspection team

consisting of a minimum of one Housing Program Inspector, one Code Technical Inspector when applicable, or one other housing staff person when code review is not required. Rough in, finish work or other repair items routinely reviewed by the Land Code Division will require a Technical Inspector. Only a City Building Official or if absent, a designee, can assign a Technical Inspector or propose an alternative route to meet this requirement, if the need arises and on a case-by-case basis for the purposes of this Program. At any time, the Housing Coordinator or other Housing Staff may also be present during any inspection. Inspections will be based upon the requirements of the: International Residential Code for One and Two-Family Dwellings. During inspections, the inspection team members will confer as needed on technical issues. In an effort to eliminate confusion among contractors and homeowners and to ensure that the process set forth in this manual is not circumvented or unduly compromised, all final directives regarding work performed or to be performed in relation to the Program (Housing Rehabilitation and Housing Repair Grants Program) shall be communicated to said parties by the Housing Program Inspector. The Technical Inspector and Housing Program Inspector should conduct sidebar discussions as needed to resolve issues requiring further repair or review. Discussions requiring resolution of differences of opinion between the Technical Inspectors and Housing Program Inspector on code issues will be presented to the City Building Official who is the ultimate authority on matters of the code. Programmatic related issues or issues other than those surrounding disputes between Technical Inspectors and the Housing Program Inspector will be resolved in a manner to be determined by the Director of Federal & State Programs or a designee in accordance with the guidelines of this program as specified in this manual or with consultation and solicitation of expert opinion via internal or external sources and with guidance from the U.S. Department of Housing and Urban Development (HUD) when necessary. Prior to the final inspection of a project that requires an attending Technical Inspector, the Housing Program inspection team consisting of the Housing Program Inspector and Housing Coordinator or applicable designee at a minimum, will conduct a preliminary final inspection(s) with the Contractor to verify that the project is truly at the point of completion, ready for review by the final inspection team. The scheduling of these inspections, as with all others for projects funded with Community Development funds, will be coordinated through the Community Development Division and handled by the scheduler as previously described in this manual.

- C. Lead Based Paint Hazards shall be evaluated and the proper course of action taken based on the latest HUD guidelines in effect at the time of the inspection. Asbestos Hazards shall be evaluated and the proper course of action taken based on the latest U.S. Department of Environmental Protection Agency (EPA) and the Mississippi Department of Environmental Quality (MDEQ) guidelines in effect at the time of the inspection.
- D. If the inspection reveals that no substandard conditions of a hazardous code violation or of a health or safety threatening nature exist, the Homeowner will be notified in writing and the master file will be closed. A written inspection, complete with pictures, shall be placed in the Homeowner's file to serve as evidence of the

conditions found at the time of the inspection. The inspection shall be dated and signed by the inspectors making the inspection. When prepared, the Homeowner will verify and sign the Work Write Up. All documents will be forwarded for placement in the housing program project file. A copy of these documents may be made and retained by the Housing Program Inspectors. The originals of all documents will be placed in the permanent files.

- E. If the inspection reveals substandard conditions of a hazardous code violation or of a health/safety threatening nature, a work write-up and a cost estimate will be prepared by the Housing Program Inspector and reviewed by the Housing Coordinator, Program Manager and City Building Official. A written inspection report complete with rough floor plan and pictures shall be placed in the Homeowner's file to serve as evidence of the conditions found at the time of the inspection. All documents will be placed in the housing repair project file. A working copy of these documents will be made and retained by the Housing Program Inspector for use in preparing the work write-up and cost estimate. Upon completion, the inspection report(s) will be signed and dated by the inspection team members. When prepared, the Homeowner will verify and sign the Work Write Up. Originals of these documents will be placed in the permanent file.

- F. The work write-up and cost estimate are prepared:

1. The Owner will be consulted on the proposed work write-up, given an opportunity to discuss the work noted therein and request such changes that are within the boundaries of the applicable program. The consultation will also include obtaining the Homeowner's permission to solicit bids or cost quotations from contractors. Prior to soliciting bids or cost quotations, the completed work write-up must be approved and justified by the Homeowner, Housing Coordinator, Housing Program Inspector, and City Building Official.

Note: To effect expediency of completion, rehabilitation or repair projects may be assigned to one or more sub-recipients who will provide written cost quotations for the required work for comparison to Program staff cost estimates in lieu of a general bid solicitation process.

2. The Homeowner will be provided a final work write-up and consulted on work to be performed after the lowest, best bidder has been selected that is not more than 10% higher nor 10% less than the program staff cost estimate, or after assignment of a project to a sub-recipient as previously noted and prior to awarding the *Rehabilitation Work Agreement Contract* (see Exhibit D).
- G. If an inspection reveals that a structure needs to be demolished, the City Building Official will be informed and enforcement will be carried out through the standard procedures of the City as prescribed by State statutes. In addition, the City Anti-Displacement Policy will be adhered to along with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (URA)

VI. FEASIBILITY

- A. A structure can be deemed feasible for a Housing Rehabilitation or Housing Repair Grant if the cost of its rehabilitation or repairs does not exceed the maximum costs allowed by the City's program of **\$25,000 for a Basic Housing Rehabilitation Grant and \$50,000 for a Substantial Housing Rehabilitation Grant**, and **\$10,000 for an Emergency Repair Grant**, and Homeowners meet the program income and other eligibility criteria in accordance with the program guidelines.
- B. A determination that a structure is not feasible for rehabilitation or repair will be based on the work write-up and cost estimates, review of photographs and any other supporting documentation, where applicable, and review of the homeowner's application and file. A structure deemed infeasible for a Basic Housing Repair Grant due to the estimated cost of repairs and not due to the ineligibility of the applicant because of income or other program requirements, will automatically be considered for a Substantial Rehabilitation Grant if funds are available and not already designated to other projects/applicants. If/when funds are available for other programs enacted by an Action Plan, properties infeasible for Substantial Rehabilitation may be considered for those other programs.

The City under any of the following circumstances will deem a project infeasible for repair or rehabilitation.

- 1) The estimated cost for repair/rehabilitation exceeds the maximum of \$50,000
- 2) The Homeowner rejects the Program's repair or rehabilitation plans
- 3) The Homeowner fails to meet the eligibility criteria for participation in the Program,
- 4) The Homeowner otherwise does not comply with program requirements.

The Housing Program Inspector will complete *Feasibility Certification/Checklist* (see Exhibit A), attach it to the work write-up and cost estimate and forward all documents to the Housing Coordinator.

- C. Any structure not deemed feasible for repair or rehabilitation under the above guidelines will be so documented by the Housing Coordinator and attached to the other documents for further forwarding and review. All documents will then be forwarded for review to the Director of Federal & State Programs who will verify the determination of infeasibility. The Director will review, verify, and return the documents to the Housing Coordinator who will then send written notification of the determination of infeasibility to the Homeowner.

VII. APPEALS

If a Homeowner disagrees with staff decisions on any or all of the qualifying criteria, he or she may appeal the decision to the Director of the Department of Federal and State

Programs. The Homeowner should submit a written request for review of the decision within ten (10) working days of notice of the decision to the:

**Department of Federal and State Programs
Attention: Director
Post Office Box 1898
Hattiesburg, MS 39403-1898**

The Director should respond to the Homeowner within ten (10) working days. An appeal of the decision of the Director should be made to the **CDBG/HOME Board of Appeals** in writing within ten (10) working days of notice of the decision to the:

**Department of Federal and State Programs
C/O: Director
Attention: CDBG/HOME Board of Appeals
Post Office Box 1898
Hattiesburg MS 39403-1898**

The Board, which is a committee created by the Resolution of the Hattiesburg City Council, is made up of three members appointed by the Mayor. The members shall be employed by the City of Hattiesburg and shall not be employees of the Department of Federal and State Programs. The CDBG/HOME Board of Appeals will meet as needed, if and when an appeal is made from a decision of the Director. Any further appeals will be made to the court with appropriate jurisdiction.

VIII. HOUSING REHABILITATION AND REPAIR GRANTS

A. Application Process:

1. The Homeowner must have lived in and possess clear title to the home to be rehabilitated or repaired for a period of one (1) year prior to submitting an application for assistance.
2. To be considered for a Housing Rehabilitation Assistance Grant, a property must present major substandard housing conditions of a non-aesthetic nature, and household income may not exceed eighty percent (80%) of the median income according to family size. Median income will be the most recent figures published by the Department of Housing and Urban Development and provided by the Department of Federal and State Programs for Hattiesburg, Mississippi.
3. To be considered for a Housing Repair Grant, household income may not exceed eighty percent (80%) of the median income according to family size. Housing must present repair need(s) of an immediate threat to life, health or safety. In recognition of the fact that such repairs likely pose a high risk to the health and safety of the occupants, time is of the essence; therefore, the Program, on a case-by-case basis may perform an inspection of a Homeowner's property upon approval by the Director of Federal & State Programs.

4. Potential applicants will be counseled by the Housing Coordinator who will explain the parameters of the repair grant's assistance and determine the nature of the repair needs and the immediacy of the life, health or safety threat when applicable. If it appears that the potential applicant will qualify and the housing conditions appear to meet the necessary criteria, the applicant will be assisted in completing an application. For Housing Repair Grants, a statement of the nature of the immediate threat condition(s) shall be noted in the application. A finding that immediate threat conditions exist will be attached to the application based upon findings of the City's housing inspection team using the *Feasibility Certification/Checklist* (Exhibit A). The inspection process including team members will be as previously described in Section V contained herein. Prior to the start of any repair work, an application and all required documentation for a housing grant must be submitted.
- B. All applicants will undergo a Third Party verification process to verify eligibility for a housing grant, furnish proof of ownership status, one (1) year residency, flood insurance as applicable, homeowner's insurance, and current paid City and County tax receipts. For Housing Repair Grants, the Homeowner's insurance may be waived on a case-by-case basis at the discretion of the Director depending upon the immediate nature of the repairs needed and the surrounding circumstances and assuming the waiver of such requirement is in compliance with the applicable HUD regulation.
- C. The maximum grant limits for housing rehabilitation grants are: \$25,000 for a Basic Rehabilitation Grant and \$50,000 for a Substantial Rehabilitation Grant. The maximum for an Emergency Repair Grant is \$10,000. Maximums are based on the cost for contract work excluding possible discovery items, environmental review costs, temporary relocation stipends, or other project delivery costs that may be associated. Allowable costs are those reasonable and necessary to bring substandard housing condition into compliance with housing and related codes with the exception of functional systems which do not create a safety and health hazard in the case of Housing Rehabilitation Grants, or to eliminate immediate threat(s) to life, health or safety in the case of Housing Repair Grants. Due to the competitive bidding process and depending on nature of the work required, it is possible that a total grant to any one Homeowner could be less than the stated maximums. Due to discovery, environmental review, temporary relocation stipends, and other related project costs, it is also possible that the total grant and project costs is higher than the stated maximum.
- D. Homeowners receiving a Housing Rehabilitation Grant will not be eligible for additional repair assistance excluding warranty repair items for not less than the applicable affordability period.

General Affordability Periods are as follows:

1. **Three (3) years for Emergency Repair Grants** where improvement of substandard housing conditions requires repairs at an estimated cost not to exceed \$10,000 excluding discovery items and for **Basic Rehabilitation Grants** where

improvement of substandard housing conditions requires repairs at an estimated cost not to exceed \$25,000 excluding discovery items.

- 2. Five (5) years for Substantial Rehabilitation Grants** where improvement of substandard housing conditions require substantial repairs including repairs to, or rebuilding and/or replacing some or all major building systems within an existing sound housing structure, and where the estimated total cost of repairs excluding discovery items is determined will exceed \$25,000 but are less than the \$50,000 maximum.
 - 3. Ten (10) years for Reconstruction Grants** (a form of Substantial Rehabilitation identified in Part IA, herein) where improvement includes the demolition of a home unsuitable for rehabilitation and the construction of a new home on the same property.
- E. Homeowners who provide false information concerning income, residency or other information required to prove eligibility will be required to repay in full all grant funds awarded for the rehabilitation work performed to the residence and associated legal and other costs incurred as a result of any required collection actions taken.
- F. After selection of a Contractor but prior to the execution of the Work Agreement, the Homeowner must execute the appropriate Grant Agreement. (See Exhibit F).
- G. Affordability Periods are time periods in which beneficiaries are expected to 1) continue to utilize the home as their personal residence, and are restricted from selling or otherwise transferring the title to any other party. Transfers of property during an active affordability period will result in a recapture of a pro rated portion of the federal funds invested in the project. In the instance of a transfer of title (sale or otherwise) as a result of the death of the homeowner/beneficiary, the affordability period may be canceled. In the event that City staff is made aware of the death of a beneficiary (where there is no spouse or other joint applicant to carry on ownership), the City may cancel the Deed of Trust (affordability period) even before any transfer of title takes place.

IX. INCLUSIVE GRANT COSTS

- A. Cost of correcting building code violations
- B. Testing and/or assessment of asbestos and lead-based paint hazards with a possible abatement, if necessary
- C. One-Year Premium for Flood Insurance when applicable
- D. Legal and other professional fees, if necessary
- E. Up to ten percent (10%) of the cost of repairs for change orders, unless otherwise approved by the Director of the Department of Federal and State Programs, if necessary

- F. Title Opinions and Appraisals, as deemed necessary
- G. Cost associated with temporary relocation, if necessary
- H. Termite or other Pest inspection and treatment, if necessary
- I. Necessary Public Notices, if necessary
- J. Environmental Review costs
- K. Project Delivery costs

X. CONTRACTS AND CONTRACTORS

- A. A list of Qualified Eligible Contractors (QEC list) will be maintained in the City of Hattiesburg Department of Federal and State Programs-Community Development Division. Contractors may be added to the list annually; however, no Contractor shall be allowed to submit a bid or cost quotation if not a Qualified Eligible Contractor and has not obtained a Data Universal Numbering System number (DUNS). In order to be placed on the QEC list, an eligible contractor must respond to one of the Department's periodically advertised Requests for Qualified Eligible Contractors. Advertised notices will define what documentation is required and the deadline for submission. The Department of Federal & State Programs will review all submissions for consideration.

1. Qualified Eligible Contractors (QECs) must:

- a. Furnish current references from three (3) subcontractors, two (2) suppliers, one (1) bank, and three (3) prior jobs. The Housing Program Inspector will review the three (3) prior jobs, provided by the contractor, for quality and workmanship. This requirement is not intended to exclude any Contractor, but is intended to verify a track record of established business.
 - b. Furnish a copy of current license from the City of Hattiesburg
 - c. Furnish a copy of liability insurance, Workmen's Compensation as required.
 - d. Sign a *Work Agreement* (Exhibit D) for each contract undertaken, which includes the agreement to abide by all local codes and ordinances as well as the City's Housing Programs Manual in all work performed.
- 2. Bids will be requested from all eligible contractors. The Homeowner will review the Qualified Eligible Contractors list and have the option of identifying up to two Contractors that the owner would prefer not to contract with in the rehabilitation or repair of his/her home, although there must be enough remaining contractors willing to bid so as to satisfy City, State, and Federal procurement requirements.
 - 3. A Contractor's license from the City of Hattiesburg may be revoked for good cause in accordance with the codes and ordinances of the City. Also, contractors

may be removed and disbarred from the Qualified Eligible Contractor list based on the following:

- a. When a project's construction time exceeds, without justifiable cause, the construction period reflected in the contract. Once advised of the failure to meet contract deadlines, the contractor shall complete work within five (5) working days. If work exceeds the extended deadline, without justifiable cause, the contractor will be fined \$100 per day until the work is completed or until the contract is terminated at the discretion of the Program. In the event that the contractor neglects to complete contracted work, the associated Work Agreement (see Exhibit D) may be terminated and the Housing Coordinator will arrange to have another contractor from the Qualified Eligible Contractors list complete the work. The Housing Program Inspector and the City Building Official or designee will determine the extent of work not completed. In some instances it may be necessary to estimate a percentage of work completed. The cost of work line items not completed or the percentage of work not completed, whichever is applicable, will be deducted from the total contracted amount in addition to the deduction for the penalty for incompleteness. These funds will be used to defray the cost for the unfinished work. Any remaining payment due the Contractor will not be made until all work is complete and the penalty for incompleteness will be deducted at that time.
- b. When a contractor's construction performance is unacceptable as documented by the City of Hattiesburg Housing Program Inspector, Technical Inspectors, and Housing Coordinator.
- c. When a contractor violates the terms, conditions, and contents of the Work Agreement (see Exhibit D)
- d. When a contractor violates the Housing Rehabilitation and Housing Repair Grants Program Guidelines
- e. When a contractor does not pay labor and material costs relating to the job, which could result in a lien against the property
- f. When a contractor fails to start work within ten (10) working days of issuance of the Notice to Proceed (see Exhibit G) without justifiable cause, the contractor shall submit a letter to the attention of the Housing Coordinator explaining the reason(s) for the work delay, prior to the end of the ten (10) day working period, for approval. Contractors exceeding the ten (10) working days start date may be terminated from the Work Agreement (see Exhibit D) with the Homeowner. (If contracted as the result of a bid, the next lowest best bidder will be contracted with the homeowner to perform work originally contracted with the lowest best bid Contractor.) In the event additional bids were not received, the project will be re-bid. The Contractor that exceeded the ten (10) working day period to start work will not be eligible to bid on the project. If contracted as the result of assignment to an eligible Sub-recipient to

do housing rehabilitation or housing repair, the project will be reassigned to another eligible Sub-recipient.

- g. When one or a combination of causes in (a) through (f) above or any other reasonable documented causes exists.
4. The Director shall notify all contractors that have been removed or disbarred from the Qualified Eligible Contractors list in writing setting forth the cause and the term of disbarment.
5. The U. S. Department of Housing and Urban Development (HUD) will be notified of Contractors violating federal law or exhibiting unethical behavior and recommended for disbarment from federal programs.
6. The Qualified Eligible Contractors list may not in any manner be used as a means for discrimination or exclusion on the basis of race, national origin, sex, or age.
7. Contractors may request reinstatement in writing to the Director when disbarment did not result from violation of federal, state or local law.
8. Appeals to the Qualified Eligible Contractors Selection Process

If a Contractor disagrees with selection committee decisions on any or all of the qualifying criteria, he or she may appeal the decision to the CDBG/HOME Board of Appeals. The Contractor should submit a written request for review of the decision within ten (10) working days of notice of the decision to the:

**Department of Federal and State Programs
C/O: Director
Attention: CDBG/HOME Board of Appeals
Post Office Box 1898
Hattiesburg MS 39403-1898**

Response time by the board will depend on the nature of the appeal, but will be as timely as possible. The Board, which is a committee created by the Resolution of the Hattiesburg City Council, is made up of three members appointed by the Mayor. The members shall be employed by the City of Hattiesburg and shall not be employees of the Department of Federal and State Programs. The CDBG/HOME Board of Appeals will meet as needed, if and when an appeal is made. Any further appeals will be made to the court with appropriate jurisdiction.

B. Bidding

1. Eligible Contractors will be furnished bid packages a minimum of ten (10) working days prior to bid closing.
2. Contractors must attend a pre-bid conference to include an onsite walk through review of the project and the proposed work several days prior to bid closing.

3. Bids must be submitted on the *Bid Proposal Form* (see Exhibit E). The bid must include a line item total and a grand total of the contractor's proposal written in ink or typed. When bids are reviewed, the line items will be totaled, and that sum shall become the official grand total even if the contractor made an error in addition. The same form is to be used when any eligible entity submits cost quotations for assigned projects or for determination of assignment of projects.
4. Bids and cost quotations must be submitted in a sealed envelope marked with the Contractor's name and address, as well as the project address, to the City of Hattiesburg City Clerk's office either hand delivered or mailed. Contractors may mail bids at their own risk; bids not in the possession of the City Clerk's office by the deadline stated cannot be considered.

<u>Mail:</u>	<u>Physical:</u>
City of Hattiesburg	City of Hattiesburg
City Clerk	City Clerk
P.O. Box 1898	200 Forrest Street, 2 nd Floor
Hattiesburg, MS 39403-1898	Hattiesburg, MS 39401

5. Contract price shall not be 10% higher nor be less than 10% below the program staff cost estimate. If the bids or quotations are not within these limits, the Housing Coordinator may negotiate the costs with the Contractor having the lowest best bid who is nearest to meeting the limitations.
6. Bids from contractors not on the Qualified Eligible Contractors list and bids from contractors with whom the homeowner indicated they would not enter into a *Work Agreement* (see Exhibit D), will be rejected.
7. The successful bidding contractor will be notified in writing within five to ten (5 to 10) days after a review by the selection committee identifies the selected contractor. All other bidding contractors will be notified in writing within fifteen (15) days of the selection of the successful contractor.
8. All bids shall be firm for a period of thirty (30) days from the date of bid closing. If a contract is not executed, nor a *Notice to Proceed* (see Exhibit G) issued within thirty (30) days from bid opening, the contractor may withdraw his/her bid and proposal, thereby terminating and releasing both parties from any further obligation and liabilities.
9. All bids received will be tabulated using the *Repair Bid Results Form* (See Exhibit E.)
10. The City reserves the right to accept or reject any or all bids or to waive any formality in the bidding.
11. The Housing Coordinator and the Housing Program Inspector shall weigh the capacity of contractors to complete work in accordance with the standards of the City during the bidding process. Caution will be exercised to ensure that

contractors do not get overloaded to the extent that they cannot perform work in a timely manner. At least until a track record is established for each contractor, the Housing Program Inspector will have the authority to recommend that a contractor(s) may not bid on new work until he/she is nearing completion or has completed on-going work in the City's program.

C. Document

1. The homeowner and contractor shall execute the contract document supplied by the Department of Federal and State Programs titled Work Agreement (see Exhibit D). After execution of the Work Agreement and following an onsite pre-construction conference, a Notice To Proceed (see Exhibit G) will be issued to the contractor. Prior to commencement of work, the contractor shall obtain the appropriate building and related permits from the Land Code Development Division.

2. Amendments

As with any construction work involving remodeling or renovation of an existing structure, change orders may be necessary as the result of discovery when completing work items such as replacing deteriorated roofing, siding, flooring, and other items previously specified in the work write-up for a project. The scope of work for any proposed change order will be determined by the primary Housing Program Inspector or, when necessary, a designee Inspector who will immediately inform the Housing Coordinator of the need for the change order, the proposed scope of work required and any other pertinent details surrounding the pending circumstances. The Housing Program Inspector will write the work specifications and estimate costs for the additional work to be included in the file. A copy of the work specifications will be given to the contractor who will quote a price for the additional work. The contractor's proposed price is compared to the Housing Program Inspector's estimate and is automatically approved if within 10% above or below the program's estimate. If the Contractor's price is outside the 10% parameters previously noted, then the Housing Program Inspector, Contractor and Housing Coordinator at a minimum will negotiate the cost to a mutually agreeable price that is deemed reasonable and necessary. The Director at his/her discretion will participate and or designate other staff to participate in negotiations. After settling on an agreed upon price, a formal Change Order form (see Exhibit J-1) is prepared and circulated to the Housing Program Inspector, Housing Coordinator, Programs Manager, Building Official or designee, and the Director or designee for signatures. The homeowner and contractor will also sign the change order to review evidence, understanding and agreement of associated work details and costs. The Housing Coordinator is responsible for tracking this form through the signature process in a manner to effect an expedient turnaround time. The Program will strive whenever possible to effect no more than a two-day turnaround for internal signatures for change orders. Additionally, on a case-by-case basis, to deter lengthy delays in dire circumstances where the homeowner would be severely inconvenienced by even short delays in construction efforts

(such as open roofs, walls and floors, non-functioning bath and toilet facilities due to a discovery repair item) a change order can be priority-routed through the process in which the Housing Program Inspector calls in to the office and follows through the initial steps of the change order process via telephone or radio communication. The Change Order Work Detail/Cost Estimate Form (see Exhibit J-2), a triplicate document, can be prepared on site and a copy given or left at the site for the contractor's estimating as soon as possible. If necessary, the Housing Program Inspector can complete the cost estimate on the spot, call in and relay all of the information to the Housing Coordinator who will follow the proper line of communications to receive expedient approval for going forward with the change order work request, then relay approval to proceed to the Housing Program Inspector.

a. Change Orders must be approved as outlined above and must be documented as follows:

- 1) Item number on work write-up and description of work to be changed
- 2) Reason for change
- 3) Related code violation, if applicable
- 4) Increase or decrease in cost resulting from change order
- 5) Other related information needed to render a decision.

All changes to the contract must be documented using the *Change Order Form* (see Exhibit J-1). Additionally, a written explanation of the reason for each change order repair item should be noted on the *Work Detail Specification/Cost Estimate* (see Exhibit J-2) and the document signed by the designated Housing Program Inspector or designee Inspector. This form must accompany each change order request to be reviewed for processing and still applies in the case of priority routing.

b. All change orders are subject to availability of funds, program regulations and must be approved in accordance with the procedures outlined above. The contractor will not be paid for any work performed prior to execution of a proper change order or documented verbal approval as outlined in Section X (C) (2). Documentation should include date and time of telephone or radio contact and detail of major points of discussion with Housing Program Inspector and others regarding the requested change order estimating as soon as possible. If necessary, the Housing Program Inspector can complete his cost estimate on the spot, call in and relay all of the information to the Housing Coordinator who will follow the proper line of communications to receive expedient approval for going forward with the change order work request, then relay approval to proceed to the Housing Program Inspector.

- c. Nothing in this section shall be construed to prohibit the Director of Federal and State Programs from overruling the final approval or disapproval of any change order, except that in such instances a factual basis for the ruling must be established, documented and made a part of the permanent case file

D. Inspections/Monitoring:

- 1. The Housing Coordinator and the Housing Program Inspector will maintain close supervision over all work. The Housing Program Inspector and/or appropriate Code Inspector (Enforcement Officer or Technical Inspector as applicable) will conduct the following inspections from application through construction completion (see Part I — Section V):

- a. Property Maintenance Code Inspection
- b. Work write-up inspection/ Identification of code violations and immediate repair items.
- c. Pre-construction conference to include a walk-through of work to be performed with all potential Contractors at job site.
- d. Progress Inspections — to ensure the quality of the construction, onsite visits to review work in progress will be conducted at least weekly by the Housing Program Inspector in addition to the rough-in and finished work inspections outlined below that will also require review by a Technical Inspector:
 - 1) Electrical- inspection of electrical work performed will be conducted at the rough-in stage before work is covered up with sheetrock, etc.
 - 2) Plumbing- inspection of plumbing work performed will be conducted at the rough-in stage before work is covered up with sheetrock, etc.
 - 3) Mechanical- inspection of mechanical functions will be conducted at the rough-in stage before work is covered up with sheetrock, etc.
 - 4) Building- inspection of the building will be conducted at the rough-in stage before work is covered up with sheetrock, etc.

The Hattiesburg Land Code Division will perform mechanical, plumbing, electrical, and building inspections in keeping with standard procedures of the Land Code Division. Housing Program Inspectors and Technical Inspectors shall insist upon quality construction with high quality new materials within reasonable constraints of the funds available. In no event shall the Housing Program Inspector or Technical Inspector sign off on any inspection of which he/she has knowledge of inferior or defective construction or materials or which percentage of completion is less than that noted on the inspection form.

- 2. Preliminary Final Inspection(s) — The Housing Programs Inspector and Housing Coordinator will inspect to verify that there is no incomplete work remaining

from the work write-ups including any change orders (where applicable) prior to the review by the final inspection teams. Punch lists will be prepared at this point for any incomplete items. After all work is confirmed complete, a true final inspection will be scheduled.

3. Final Inspection: After completion of all repairs in the work write-up and change orders, a final inspection will be conducted by the Housing Program Inspector, Technical Inspector and Housing Coordinator or designee to ensure that all work is completed satisfactorily and in accordance with the contract. The inspection should be made together with the owner and the Contractor. If all work has been completed satisfactorily, a *Certificate of Final Inspection* (see Exhibit I-1) shall be completed and signed by all appropriate persons.
4. Inspection Reports: A copy of all inspection reports including code property and technical inspection reports should be signed, dated, and filed in the permanent project file in the Community Development Division-Housing Programs Unit.

E. 180 Day/300 Day Inspections:

1. The Housing Program Inspector shall make a site visit to the home rehabilitated or otherwise repaired after one hundred eighty (180) days or six (6) months, and three hundred (300) days after the *Certificate of Final Inspection* (see Exhibit I-1) has been issued, to review work performed. The Housing Program Inspector and Homeowner shall note any defects revealed during the inspection, and the Contractor will be provided a punch list of the same. If defects arise during the one-year warranty period, it is the responsibility of the Homeowner to inform the City.
2. Once advised of warranty items, the Contractor shall perform corrections within ten (10) working days, weather conditions and other factors permitting. In the event that the Contractor neglects to correct the noted items, the Housing Coordinator will initiate procedures to seek revocation of license or disbarment of the Contractor from the QEC list, in accordance with Section X (A).
3. Neither the City nor the Contractor is responsible for defects or discovery of needed repairs that were not a part of the original work write up or included as a change order during the course of the contract.
4. The City may, at the discretion of the Director, with evidence provided by the Homeowner, Contractor, Housing Program Inspector, or Housing Coordinator, approve of a change order after the completion of the original project if/when the following conditions are met:
 - a. the project is still within its warranty period, or the needed work was discovered and reported within the project's general warranty period,
 - b. the needed work is not the result of incidents that are (or should be) covered by the homeowner's insurance,

- c. the needed work is not the result of negligence or intentional damage to work previously performed by the program,
- d. the needed work is verifiably an oversight of the original scope of work, which would have otherwise addressed a major housing system or element (and not attributable to wear, tear, or deterioration since the course of the contract), and
- e. failure to address the additional needed work would result in damage or deterioration of the investment already made by the program, and/or would result in deterioration that would lead to health or safety threats in the foreseeable future.

F. Payments

1. All payments will be made to the Contractor within ten (10) working days from approval of invoice by the Mayor and City Council. Payment requests will be forwarded for Mayor and Council review only after the Department of Federal and State Programs receives the following:
 - a. Building certificates of final inspection
 - b. Certificate of occupancy (if applicable)
 - c. Invoice for work performed
 - d. Lien waiver by the Contractor
 - e. Release of liens by the Contractor's subcontractors and material suppliers
 - f. Final inspection and acceptance of all work by the City of Hattiesburg Housing Program Inspectors, Housing Coordinators and/or Programs Manager, City Building Official.

The homeowner's signature of acceptance of work is preferred and will be requested, but will not be required for payment to the Contractor for work performed and completed to the satisfaction of the Program. Additionally, all warranties and certifications relating to equipment, supplies and service products must be turned over to the Housing Coordinator prior to payment. Copies of all warranties and certifications shall be placed in the Homeowner's file to be retained by the City, and the originals shall be given to the Homeowner.

2. Payments to contractors must reconcile against work performed and in place. Contractors must submit invoices documenting the work completed and the amount of the contract attributable to the work completed in justifying partial draws. Payments may only be made for work and/or materials installed, constructed, or in place; no payment may be requested or made for supplies purchased, inventoried, and/or on site not installed. The Housing Program Inspector will verify work against that claimed on all invoices and determine

whether or not the amount requested and the work items claimed are completed satisfactorily and are representative of the amount quoted, or an applicable portion of the amount quoted. Although not required, the City reserves the right to retain up to five percent (5%) of the total cost of a project through the end of the one-year warranty period. This amount would be deducted from the payment made upon 100% completion of the work, and will be forwarded to the contractor at the end of one year unless extenuating circumstances with the property require that the City need access those funds during the warranty period.

3. Homeowner Signatures: With the exception of projects assigned to Subrecipients, The Housing Coordinator has the primary responsibility of communicating with and securing the homeowner's signature on all documents, which they must execute during the course of any processes associated with this housing rehabilitation or repair procedure. Only in the instance of projects assigned to Subrecipients shall it be the responsibility of the Subrecipient to obtain the homeowner's signature on any document, otherwise IN NO EVENT shall it be the responsibility of the Contractor to obtain the homeowner's signature on any document.

G. Contractor Certification

Contractor will sign a certification stating he or she understands that all rehabilitation and repair work will be accomplished in accordance with locally adopted codes and that the City will enforce those codes.

H. Disputes

All questions and disputes of decisions between the Contractor and the Homeowner regarding rehabilitation and repair work or methods, will be settled by the City of Hattiesburg's Housing Program Inspectors. In case of an un-resolvable difference of opinion between the Housing Program Inspector and Technical Inspectors regarding code issues, the City Building Official shall have final authority. Any code or construction issues not resolved by the City Building Official may be appealed to the Hattiesburg Construction Board of Examining, Adjustments, and Appeals (also known as the Hattiesburg Contractors Board). All questions, disputes or decisions regarding financial or program issues will be resolved by the Housing Coordinator in conjunction with and subject to the review and approval of the Director or his/her designee. Further appeals may be made to the City of Hattiesburg CDBG/HOME Board of Appeals for a final decision.

XI. GENERAL

No person who is an employee, agent, consultant, officer, elected official or appointed official who exercises or has exercised any functions or responsibility with respect to CDBG or HOME activities who is in a position to participate in a decision making process or gain inside information with regard to CDBG or HOME activities, may obtain a personal or financial interest or benefit from a CDBG or HOME assisted activity, or have an interest in any contract, subcontract or agreement with respect thereto or the

proceeds there under, either for themselves or those with whom they have family or business ties, during their tenure or for one (1) year thereafter.

XII. RESPONSIBILITY AND AUTHORITY

The Housing Coordinator and Housing Programs Inspector, under the direction of the Director of the Department of Federal and State Programs, have delegated authority and responsibility to administer the *Housing Rehabilitation and Housing Repair Grants Program* in accordance with the guidelines set forth above and subject to the restriction of applicable local, state, and federal laws, and the dictates of sound business judgment, prudence, and ethical conduct.

PART I-A

**HOUSING
RECONSTRUCTION
GRANT PROGRAM**

I. Program Purpose

The City of Hattiesburg's Homeowner Reconstruction Program Guidelines exist to effectively implement homeowner reconstruction activities in communities throughout the city.

II. Audience

The City of Hattiesburg receives funds to engage in and manage reconstruction activities. In some instances the City of Hattiesburg may elect to delegate the implementation of a portion of the city's reconstruction program to local sub-recipients (i.e. non-profits). Accordingly, this manual has been prepared for City of Hattiesburg staff and its sub-grantees for the effective administration of the city's Homeowner Reconstruction Program.

III. Key Program Participants

A number of participants play key roles in the City of Hattiesburg Homeowner Reconstruction Program. They include:

U.S. Department of Housing and Urban Development (HUD)

HUD is the federal government agency that administers the CDBG and HOME Programs. HUD allocates program funds to grantees, develops and issues program regulations, notices and memoranda, monitors program performance and otherwise reviews State and local government productivity and performance.

The City of Hattiesburg

The City of Hattiesburg is an Entitlement Grantee of the HOME and CDBG programs. These program funds are intended to improve communities in the city within guidelines set by HUD as well as the City of Hattiesburg in its Housing Rehabilitation/Reconstruction and Housing Repair Grants Program Manual.

Program Administrators

The City of Hattiesburg may select contractors to carry out homeowner reconstruction activities in accordance with the Grant Agreement (Exhibit F) executed between the City of Hattiesburg and the contractors. The City may also elect to allocate federal funds to organizations acting as sub-recipients of the Homeowner Reconstruction Program.

Program Recipients

Low-income residents of the City of Hattiesburg, who own and occupy their home, may qualify to participate in the Homeowner Reconstruction Program. The latest Income Limits published by HUD will be used to determine whether or not a household meets the income requirements of the program (i.e. generally has an income of less than 80% of the median income level for the area). Additionally, a property will only be considered for the Reconstruction Program when the Work Write Up performed by the Housing Program Inspector indicates that the cost of rehabilitating the property will exceed the limits imposed on the Rehab/Repair program.

IV. Meeting Program Requirements

All HUD regulations apply to homeowner reconstruction. At times, this document may not differentiate between HOME, CDBG, HUD, or City of Hattiesburg regulations. Rather, it may refer to requirements more generally as "Homeowner Reconstruction" requirements.

Eligible projects will be approved annually through the Action Plan. Homeowners who receive assistance must have a clear understanding of these requirements.

Eligible Properties

All properties reconstructed with Homeowner Reconstruction Program funds must meet the following requirements:

- Single-family property (1-4 units), including condominiums
- Owner occupies the property as a principal residence
- Owner has occupied the property for at least one year prior to program acceptance
- Property meets Section 8 Housing Quality Standards and local building codes once the reconstruction is complete
- After-reconstruction value estimate cannot exceed the Maximum After-Rehab (or reconstruction) Value Limits established by HUD, or otherwise established, for a particular area where a project is to be considered.

Eligible Households

Any household that is low-income (i.e. earns less than 80% of the median income of the county) at the time assistance is provided may be eligible to participate in the Homeowner Reconstruction Program. For the purpose of determining income eligibility, the City of Hattiesburg has adopted the IRS definition of Adjusted Gross Income.

The Homeowner Reconstruction Program does not require long term monitoring for income compliance and property standards. Once a property is completed, a homeowner's income may increase above 80% of a median income and/or the property may fall into despair. The City of Hattiesburg is not required to monitor these issues for any period of affordability.

Amount of Assistance

Assistance will be based on an after reconstruction value not to exceed the maximum appraised value for the area.

Terms of Assistance

The City of Hattiesburg will provide deferred payment, forgivable loans of Housing Reconstruction Program funds to individual recipients. Projects are to be fully administered by the City of Hattiesburg or its sub-recipients, with no funds paid directly to the homeowner other than may be allowed by this program manual for temporary relocation assistance. All project costs will be taken into consideration when determining

the total deferred loan amount. These deferred payment, forgivable loans are subject to recapture should the property be sold or otherwise transferred during the prescribed affordability period.

Property Standards

All units funded by HOME or CDBG funds must meet or exceed the federal Section 8 Housing Quality Standards (HQS) upon completion. Projects must also comply with the City of Hattiesburg reconstruction standards and the International Residential Code for One and Two-Family Dwellings. The HQS's are detailed in Part II of the Reference Manual.

Ineligible Properties

Homeowner reconstruction funds cannot be used for assistance on any of the following types of properties:

- Cooperatives

- Manufactured housing that will not meet the building codes for "stick-build" new construction

- Property occupied by renters

- Property or individuals previously assisted with homeowner rehabilitation funds, which are still within the prescribed affordability period.

- Projects that reduce the number of units in the building.

Relocation Costs

The City of Hattiesburg does not allow the permanent displacement of any resident of homeowner reconstruction-assisted properties. Temporary relocation will be necessary in certain instances. See the Temporary Relocation Policy for more details (Exhibit K)

Fair Housing, Equal Opportunity and Section 3

No person can be denied the benefits of, or be subjected to, discrimination under any activity funded by the Homeowner Reconstruction Program, on the grounds of race, color, national origin, religion, sex, age, or handicap.

Contracts for work performed in connection with homeowner reconstruction projects should be awarded to business concerns located in the same area as a project to the greatest extent possible as long as they are fully licensed and eligible according to HUD and City guidelines. Contractors, to the greatest extent possible, must strive to include minority business enterprises, women business enterprises, and Section 3 enterprises in work that they may sub-contract related to homeowner reconstruction.

IV. Homeowner Reconstruction Process Flow

1. Application Processing
2. Property Evaluation and Assessment
3. Project Selection
4. Determining Amount of Assistance
5. Council Approval
6. Contractor Selection

7. Pre-Construction Conference
8. Construction Management

APPLICATION PROCESSING

A. Verify Income Eligibility

The Homeowner Reconstruction Program requires that all homeowners be low-income (80% of area median income or less) at the time the assistance is provided. Income verification must occur within the six-month period prior to the start of the reconstruction. Delays in the process may require re-verification that the owner's income still meets the program requirements.

1. Determining Household Income

The City of Hattiesburg now uses the IRS definition of adjusted gross income. Income must be verified by either a review of source documentation or third party verification.

a) Third-Party Verification

Under this method, a third party-employer, social security administration, or public assistance agency is contacted to provide information. Although written requests and responses are generally preferred, conversations with a third party are acceptable if documented through a memorandum to the file that notes the contact person and date of call.

b) Review of Source Documents

Documents provided by the applicant, such as pay stubs and IRS returns, may often be the most accurate form of verification for certain types of income. These can be easier and less expensive to obtain than third party verification, however, they do not always provide full disclosure on such information as the average number of hours worked, overtime, tips, and bonuses. Copies of all documents should be retained in project files.

c) Household income must be projected for the coming year, using past earnings, as well as recent or anticipated income changes, as a basis for projecting expected income in the coming 12 months.

2. Determining Income Limits

The HUD Income Limits for the Hattiesburg MSA as published and periodically updated by HUD will be used to determine the applicable income limit for the Housing Reconstruction Program

3. Comparing Household Income to Income Limits

Using the information provided in the homeowner's application, source documentation and/or third party verifications, the Income Certification form will be completed to determine the applicant's anticipated annual income and eligibility.

B. Determine the Appraised Value

Owner-occupied housing qualifies as affordable housing only if the value of the property, after reconstruction, does not exceed the HUD established appraised value limits for the housing type for the area. An analysis must be completed before any work on the property begins to ensure that the after-reconstruction value estimate will not exceed HUD's maximum appraised value limitations. If the after-reconstruction estimate exceeds the limit, the project may be infeasible.

C. Ensure Adequate Insurance Coverage

The program must verify that all homeowners maintain adequate homeowner's insurance. Proof of insurance covering the amount of funds invested must be documented by obtaining a copy of the insurance binder. The insurance must cover the amount of the grant for the duration of the affordability period at a minimum. Homeowners insurance is mandatory for this program. Homeowners will be required to provide periodic verification of homeowner's insurance throughout the affordability period. The City of Hattiesburg may pay for the first year's insurance premium for whom obtaining it would impose financial difficulties.

All houses located in a 100-year flood plain must additionally have flood insurance equal to the amount of HOME or CBDG funds invested, and the property must be covered for the duration of the affordability period at a minimum. Homeowners will be required to provide periodic verification of flood insurance throughout the affordability period. The City of Hattiesburg may pay for the first year's flood insurance premium for whom obtaining it would impose financial difficulties.

If the house is located in the 100-year flood plain, and if the community in which the house is located does not participate in the National Flood Insurance Program, then the house cannot be reconstructed under this program.

D. Verify Ownership

The City of Hattiesburg must verify that the applicant owns the property through a review of the current tax records, deed of trust, and title opinion. The City of Hattiesburg's review of the tax records must be evidenced in writing and included as part of the project file.

Properties with existing liens exceeding five thousand dollars (\$5,000) will be deemed ineligible. The City may, at its discretion, provide loans with available HOME funds in order to pay down an existing mortgage or lien, not to exceed \$5,000 when: 1) that mortgage or lien otherwise prohibits the city from moving forward with the project; and 2) when the homeowner paying off the mortgage or lien in order to move the project forward would create an unbearable financial hardship. Loans made in this manner will be included in the total grant amount and will, likewise, be subject to the same affordability period.

Liens or Deeds of Trust attributable to primary mortgages on a property will not, as a single circumstance, disqualify a project as long as the mortgage is current and the homeowner is determined to have an ability to keep the mortgage current for the foreseeable future. The City will not pay any amount on a primary mortgage unless it meets the threshold and terms stated above and there is determined to be such a need. The City may require the homeowner's assistance in contacting primary or secondary mortgage holders to gather information and/or to get approval from primary mortgage holders for demolition/reconstruction. Community Development Division staff will make reasonable efforts to gain such approvals when necessary, but at the Director's discretion, efforts may be halted and a project file closed when attempts to achieve primary mortgage holder's approvals (if necessary) are unsuccessful.

CONSTRUCTION MANAGEMENT

A. Inspect Construction

During construction, the Housing Inspector is responsible for conducting two types of inspections as follows:

Progress Inspections- To ensure the quality of the construction, the Housing Inspector should perform regular on-site inspections of the property. To the extent practical, each reconstruction project should be inspected twice per week. Regular progress inspections help owners identify potential problems early and enable them to take action to prevent larger problems later in the project. Inspection Reports signed and dated by the inspector must be kept in project files.

Draw Inspections- Inspections must always be performed prior to approving contractor payment requests. Payments can only be made for work that has been completed and is "in-place" (i.e. stored materials must be installed before payment can be made). The inspection reports in project files should confirm that a full inspection of the contractor's progress was performed before each payment request was processed. More detail on draw inspections is outlined in the following action.

B. Payment of Contractors

Payment procedures will follow the same guidance as other housing programs. Refer to Part I, Section X.

C. Issue Change Orders

Due to the fact that reconstruction implies the construction of a new unit in place of a demolished unit, change orders for contracts should be extremely uncommon. However, in the instance that a change order is determined necessary, procedures should follow the same guidance as other housing programs. See Part I, Section X.

Since a change order becomes a binding part of the contract, the owner and contractor must sign it with prior written approval of the City of Hattiesburg. All change orders

to the construction contract must be approved by the program administrator and attached to the Reconstruction Contract before the work changes are undertaken.

D. Perform Inspection

After completion of all repairs in the work write-ups and change orders, a final property inspection is conducted. In addition to the process outlined previously in the "payment of contractors" section, the inspector should check whether the property conforms to Section 8 HQS and City of Hattiesburg Reconstruction Standards. The owner and the contractor should be present for the inspection.

If additional work, clean up, or corrections need to be accomplished, a written punch list should be created. This punch list is a detailed list of all items remaining to be completed. Provide this list in writing to the contractor with instructions that upon completion of all items and inspection of the same, final payment will be made. Immediately after completion of all punch list items, a Certificate of Final Inspection is prepared and signed by all appropriate parties (Exhibit I-1). This form indicates that all work is complete in accordance with the contract and change orders and further indicates willingness to initiate closeout procedures.

E. Contract Close-out and Final Payment of Contractors

Upon completion of the final inspection, all of the following documentation should be verified as complete and in the permanent file:

- Lien Waiver (Exhibit I-2) from the general contractor
- Contractor's Final Request for Payment
- Certification of Final Inspection (I-1)
- Copies of all warranties
- Certificate of Occupancy from the Department of Urban Development

Review all of the documents for accuracy and completeness. Supply the owner with a copy of these documents.

F. Take After-Reconstruction Pictures

Document the work by taking pictures of the completed reconstruction. Always try to take the after-reconstruction pictures from the same spot pictures were taken before reconstruction.

PART I-B

**REAL PROPERTY
ACQUISITION**

I. Program Purpose

The City of Hattiesburg may utilize HOME and/or CDBG funds in accordance with 24 CFR 92.205(a) and 24 CFR 570.201(a), respectively, and the Uniform Acquisition and Relocation Guidelines, to acquire real property when such acquisition benefits the City's Housing Rehabilitation, Repair, and Reconstruction Program and other Community Development projects that support the Consolidated Plan. Inherent in the Program's ability to acquire real property in support of housing programs and other community development projects is the ability to sell real property as well.

II. Justifiable Acquisition

Justifiable real property acquisitions may include, but are not limited to: purchase of a property for rehabilitation/repair and resale to an eligible homeowner as an affordable housing unit; purchase of a property for utilization as a temporary housing unit for beneficiaries of the City's Housing programs; purchase of property for emergency shelter, permanent supportive housing, or transitional housing in support of Community Development programs; purchase of property for eligible public uses; purchase of property for a homeowner or renter when efforts to rehabilitate or reconstruct are deemed infeasible, housing needs are critical, and partnerships with other entities are available that would significantly limit the total cost to the City's Program; purchase of property for demolition for public use, resale, reconstruction, or other appropriate redevelopment. Applicable acquisition costs may include, but are not limited to: land, buildings, improvements, environmental assessments, mitigation, closing costs, attorney fees, title search, surveys, and lead and/or asbestos testing.

III. Requirements of Acquisition

Acquisition of real property must comply with the City's Anti-Displacement Policy. It is not the City's intent to require the relocation or displacement of any resident, and acquisition of real property from an occupying-homeowner that results in relocation must be documented as voluntary on the part of the homeowner. Acquisition of any property that is occupied by renters for any redevelopment, rehabilitation, or repair purpose will comply with the Uniform Acquisition and Relocation Guidelines.

Real property may only be acquired in cases where the City can attain a clear title, or the City is able to establish an agreement with the other parties to the title that would satisfy the requirements of the HOME and/or CDBG Program.

Affordability Periods for the property and/or end-user beneficiaries may apply. Affordability Periods will be required in compliance first with the funding source (CDBG, HOME, or other) depending on the exact activity type. In the absence of a required/statutory/regulatory affordability period, the City may, at its discretion, require a project to carry the same affordability period as projects of a similar nature, may establish an affordability it deems most appropriate given the nature of the investment, or may forgo the affordability period if/when appropriate.

Proceeds from the sale of a property that was acquired and/or developed with HOME or CDBG funds must be recaptured by the applicable program unless such a transaction occurs after such time that any applicable affordability period has been fully satisfied. When property is acquired using HOME or CDBG funds along with other resources, an agreement must be in place that identifies how potential profits or losses would be distributed, even in cases where the sale of such property is not intended.

PART II PERFORMANCE STANDARDS

CITY OF HATTIESBURG CDBG/ HOME CONTRACTORS'S PERFORMANCE STANDARDS FOR REHABILITATION OF RESIDENTIAL PROPERTIES SINGLE AND MULTI-FAMILY

FOREWORD

These physical guidelines for the rehabilitation of existing residential properties have been developed to provide the minimum design and construction criteria. The provisions are intended to serve as an important aid in carrying out the objectives of Federal programs for neglected and dilapidated properties. These objectives seek the large-scale physical, social and economic regeneration of neighborhoods, which have in general, seriously deteriorated.

The purpose and intent of the guidelines are threefold:

1. To assure improved housing that is livable, healthful, safe and physically sound and cost efficient for the present neighborhood residents to afford.
2. To provide an acceptable minimum level for residential rehabilitation based on performance, which has maximum flexibility to meet local conditions.
3. To encourage innovation and improved technology to reduce construction cost.

The material and workmanship standards are grouped by trade, and further broken down into General Instructions covering all the work of that trade and specific instructions covering a particular item of work. Correlated to these is the property Work Description. Individually prepared for each property, their purpose is to aid Contractors in putting together bids. They list repairs with locations, quantities, and additional comments.

To find the material and workmanship standards for a particular item of work, refer to the section indicated at the beginning of each trade grouping in the Work Schedule. e.g. Fencing - Contractor Performance Standards Section 02.500. (See the Table of Contents for a list of sections and the corresponding trade or trades covered by each.) Before seeking the standards for a specific job read the General Instructions of the section, many sections have General Instructions covering all the work of a particular trade. An index in C.S.I. format has been provided to provide easy access to the various items contained herein.

Note: Not all repair jobs listed in the Work Write-up have corresponding descriptions in the Performance Standards. These items are to be performed by mechanics skilled in their respective trades accordingly.

These guidelines for rehabilitation are significantly different from standards for new construction. The work is to be done on existing buildings where the extent and the emphasis may differ greatly from the construction of new buildings. The range of residential rehabilitation, which this handbook covers, is broad. It extends from single-family homes through large multistory apartment building. This coverage can be made because the needs of families are basically similar, emphasis placed on meeting basic needs.

In a general context, these guidelines aid in establishing the feasibility of the particular project. They provide technical information, which can be useful in the preliminary and final stages of the development work.

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DEFINITIONS

1. **Work Write-Up**-A list of work requirements, individually prepared for each property, and the basis of the Contractor bid.
2. **Owner**-The last known owner of certain real property as recorded with the Register of Deeds.
3. **Land Development Code**-The codes presently enforced in the City of Hattiesburg where the work shall be performed. Some of these codes encompass building, plumbing, heating, and electrical, fire and housing codes. A check with the Land Code Development office shall reveal which codes pertain to the subject property.
4. **CDBG Specification Writer**-The designated representative of the Department of Federal and State Programs empowered to act in its name on all matters related to the contract.
5. **Contractor or General Contractor**-The registered and licensed entity responsible for all labor, materials, equipment and services furnished under the contract.
6. **City**-City of Hattiesburg and its authorized agencies and representatives.
7. **Code Inspector**-The designated representative of the Department of Land Code Development, Code Enforcement Division.

01.100 GENERAL REQUIREMENTS

SCOPE AND PURPOSE

These conditions and standards are designed for use in CDBG/HOME Housing rehabilitation contracts on properties within the City of Hattiesburg. They provide specific bid and contract conditions as well as standards for workmanship, materials, equipment and articles to be furnished under the repair contracts through the City's **CDBG/HOME**, HUD funded Housing Rehabilitation Programs.

These documents are not designed to include or conflict with instructions for the following areas; equal employment opportunity, prevailing wages, hours of work, contract change orders, extension of time and damages for delay, termination of contract, disputes of fact, subcontracts, warranty of title, contractor's fire insurance, contractor's bonds, security and care of property, payment, guarantees, suspension of work, submission of bids, or any other regulations set forth in the Contract's Special Conditions.

The Contractor shall furnish all labor, materials, equipment and services necessary for the completion of each item of work contained in the work description and shall perform all such work in accordance with these standards.

These standards shall be applied at inspection to determine the adequacy of the repair work. Work items in the work description for which a performance standard does not appear in this manual, shall be performed by craftsman skilled in the trade by which such work items would appropriately be performed, and shall be performed in accordance with the best practices of that trade.

INTENT

The intent of the work Write-Up description and this manual is to include all necessary work to be performed to put the property in sound and attractive condition. Where quantities are set forth in the work description, such quantities are intended to reflect both the nature and extent of the work to be performed.

Anything mentioned in the work description and not shown on the drawings or shown on the drawings and not mentioned in the work description shall be of like effect as if shown or specified in both.

SECURITY

The General Contractor shall take whatever security measures are necessary to safeguard the unit until all work scheduled is completed and the unit has been inspected and approved.

PRODUCT QUALITY

All workmanship, equipment, materials and articles incorporated in the work covered by the contract are to be the most suitable grade of their respective kinds for the purpose. Whenever the choice of any equipment or fabricated materials have been furnished by the Contractor in the performance of the work, the Contractor guarantees to the owner that the equipment or fabricated material will successfully perform the function or functions for which the same were designed. All work under the contract shall be performed in a skillful and workmanlike manner. Approval by the CDBG Rehab Specialist, or Code Inspector of materials shall not relieve the Contractor of any warranty with respect thereto or any obligations of liability with the contract.

LAND DEVELOPMENT CODES - PERMITS - RESPONSIBILITIES

The Contractor shall, without additional expense to the Owner or the City is be responsible for obtaining any necessary licenses and permits, and for complying with any applicable Federal, State and Municipal laws, codes, and regulations, in connection with the performance of the work. He shall be similarly responsible for all damages to persons or property that occur as a result of his fault or negligence. He shall take proper safety and health precautions to protect the work, the workers, the public, and the property of others.

He shall also be responsible for all materials delivered and work performed until completion and acceptance of the entire construction work, except for any completed unit of construction thereof, which may have been accepted.

The Contractor, if observing that the Work Description and drawings are at variance with the aforementioned codes, shall promptly notify the CDBG Rehab Specialist in writing for further instructions.

SUBSTITUTION OF MATERIAL

No substitution of specified material(s) shall be permitted without the prior written authorization of the Owner and the CDBG Rehab Specialist.

Any request for substitution of materials specified in the Performance Standards must be submitted in writing along with all pertinent information to the CDBG Rehab Specialist for approval prior to the installation of such.

CONTRACTOR'S MEASUREMENTS

Before ordering any materials or doing any work, the Contractor shall take or verify all measurements at the home that may be required for the proper fitting of his work to the home or other adjoining work. He shall be responsible for the correctness of his figures and satisfactorily correct, without charge, all work, which does not fit.

PRIOR OCCUPANCY

The Owner has the right to occupy or grant permission to occupy such part or parts of the building or property in or on which the work is being done as it may see fit, before the final acceptance of same, and the City or the Owner of the work accomplished shall not construe such occupancy as acceptance.

DIFFERING SITE CONDITIONS

The Contractor shall bring to the immediate attention of the CDBG Rehab Specialist and Code Inspector any subsurface and/or latent conditions materially differing from those indicated in the Work Schedule, or shown on the Drawings. This shall include any theft, vandalism, error and/or omission to the specifications included are unknown conditions of an unusual nature differing materially from those ordinarily encountered and generally recognized as inherent in rehabilitation work. No action shall be taken to correct such conditions, pending an investigation by the same CDBG Rehab Specialist, and Code Inspector.

INTERPRETATIONS

No oral proposals, or modifications will be considered unless confirmed in writing before the time set for the termination of the bidding. Should any bidder find any discrepancies in the Work Schedule, Drawings, or Standards, or be in doubt as to their meaning, he shall at once notify the CDBG Rehab Specialist who will issue an interpretation thereof. Written instructions will be sent to all bidders. Questions received less than 48 hours before the time set for the termination of the bidding may necessitate an extension of the bid opening date as covered in current regulations. Facsimile transmissions shall be considered as "confirmed in writing".

FAILURE TO NOTIFY

The Contractor is to notify the CDBG Rehab Specialist, and Code Inspector at the earliest possible time. If the Contractor notices:

1. A deviation between the existing conditions and the work specified
2. Has a question if a needed item is to be included in the specified work description as incidental, or would be an extra cost item
3. If there is some question as to how an item is to be repaired
4. The Contractor believes that a change in the materials, or methods of installation would result in a better, or more cost effective job
5. The Contractor has any other concerns about the existing conditions, or the work specified

The Contractor may request a Change Order clarifying the work to be done, or for an adjustment in the scope of the work to accommodate the existing conditions (or the original intent of the work description, or to insure that all of the repairs needed are included). If this Notice is not made prior to the Contractor requesting payment for that item, and/or Final Payment, the Contractor may be presumed (by the Code Inspector making the inspection) to have accepted that work description as specified, and/or the work as incidental to the specified work. The Inspector may choose to not approve a Change Order submitted (subsequent to the request for payment) to modify the work in place.

ACCIDENT PREVENTION

The Contractor shall assume and bear the risk of accidents resulting in damage or injury to persons or property which may occur in course of work hereunder, and shall indemnify and hold the City harmless against or on account of such accidents caused by the Contractor's fault or negligence. The Contractor shall assume and bear the cost of all damages of injury, including damage to property covered under contract.

USE OF PREMISES (STORAGE)

In the course of rehabilitating vacant units, the Contractor may use the premises for storage of equipment, tools, and materials; however, the Owner or the City assumes no responsibility for any tools, materials, or other equipment stored by the Contractor.

In the course of rehabilitating occupied units, the Contractor may use the site for storage as described above, if agreed to by the Owner, and the material is maintained in an orderly manner and does not create a hazard.

No paper, waste, combustible materials, or other fire hazards, shall be left or allowed to accumulate in any storage space. Upon completion of the work in the properties, all paper combustibles, and/or excess materials shall be removed from the dwellings and storage areas left neat and clean.

UTILITIES

The Owner shall be responsible for having all utilities (gas, water, and electricity) turned on in the property included in the description accompanying these specifications. When inactive, the Owner shall make the request to activate these utilities. A template shall be used and removed after completion of work if the water meter is not present. The Owner will be responsible for the payment of all charges made by the utility companies. In the case of occupied properties, the Owner will permit the Contractor to use, at no cost, utilities such as electric, water, heat, gas or other fuels. A telephone will also be available for local calls. The Contractor shall use a credit card, bill to call to the Contractor's office, or reimburse the Owner for all toll calls.

TEMPORARY HEAT

Unless the heat is on and operating the Contractor shall provide, at his own expense, adequate heat to protect all materials and work against damage due to dampness or cold. For a period of at least ten (10) days prior to any interior finishing; painting; plastering; installations of mill work; or wood trim. The temperature shall be maintained above 45 degrees Fahrenheit, until the Code Inspector accepts the work. The heating and ventilation system shall be put back in complete operating condition before the Code Inspector accepts it.

REMOVAL OF DEBRIS AND FINAL CLEANUP

The Contractor shall keep the premises and grounds clean of all rubbish and debris generated by the work in the contract, shall remove all such rubbish and debris as it accumulates, and shall leave the buildings and grounds neat and clean. After the painting has been completed, the Contractor shall remove all paint from window glass, hardware, light fixtures, walks, stoops, etc.

During the threat of inclement weather, severe thunderstorms, tornadoes, and hurricanes which may be hazardous to exterior cleanup, the contractor shall clean the site daily to insure debris will not become imbedded or blown in any manner which could lead to the injury of persons and properties.

Should the Contractor allow this condition to occur, he shall be responsible for the removal of all debris when such conditions are discovered, even if he has completed the final inspection stage and received payment for his work.

At the completion of the work, the Contractor shall remove all rubbish from and about the dwelling, garage, outbuilding(s); and property, including all tools, scaffolding and surplus materials. In the case of vacant properties such as required in some de-leading processes, the Contractor shall, as required by the nature of the areas:

1. Vacuum clean interior of home
2. Hand dust, clean and polish shelving and cabinets
3. Wax and polish finish floors, except non-slip floors ramps and stair treads
4. Leave entire home clean and ready for occupancy

In the case of occupied units, the Contractor shall clean (as described above) those areas where work was preformed, and all adjacent areas that were affected.

INSPECTION RIGHTS - REVIEW - COSTS

CITY OF HATTIESBURG HOUSING REHABILITATION AND HOUSING REPAIR GRANTS
PROGRAM MANUAL

The City of Hattiesburg reserves the right to inspect all materials and workmanship at any time. Work under contract is subject to final acceptance by the Code Inspector of the City.

Amendments, or Change Orders covering latent defects shall be reviewed and approved by the CDBG Rehab Specialist, Code Inspector prior to rectifying defects. Inspections by Code Inspectors prior to the start of work shall not be carried out unless specifically called for within the contract obligations.

Final Inspections must be arranged with designated parties only upon TOTAL COMPLETION of all work items covered by the contract including authorized amendments thereto.

SITE CLEANING /VACANT PROPERTIES

Remove and/or trim as necessary shrubs, grass, and other vegetation, improvements or obstructions as indicated in the Work Schedule or which interfere with the proper performance of any contract work. This may bring about a temporary transplanting of shrubs, trees, etc. while work scheduled is to be completed.

USE OF WORK DESCRIPTION

1. All repairs are listed with locations.
2. Related room locations are listed in the Work Descriptions of the floor plans.
3. A closet is considered to be part of the room in which it is located.
4. Doors are considered to be part of the room into which they swing.
5. Drawings are part of the work description.
6. Anything called for on the drawings but not listed in the work description, shall have the same effect as if shown or called out on both.
7. Those areas in which the roof is an integral part of the main portion of the dwelling and are not referred to specifically shall be considered part of the main unit.
8. Areas, which are attached to the unit but are not accessible from the exterior by a door shall be referred to in the Work Schedule for the main structure. (This is in specific reference to add-on structures, remodeled porches, door and window canopies, etc.).

INCLEMENT WEATHER BREAK

All work held in abeyance due to inclement weather conditions shall be completed by the 30th day of April of the following year. The contractor must submit a written request for an extension of time to the CDBG Rehab Specialist for approval.

RELATED DOCUMENTS

The general provisions of the contract, including the General and Supplementary Conditions and the General Requirements apply to the work specified in this section.

ABBREVIATIONS

AA	Aluminum Association
AAMA	Architectural Aluminum Manufacturers Association
AASO	American Association of State Highway Officials
AC	American Concrete Institute
AIA	American Insurance Association (Successor to NBFU)
AIMA	Acoustical and Insulating Materials Association (Successor to AMA and IB)
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
AITC	American Institute of Timber Construction

AMA	Acoustical Materials Association
ANS	American National Standard
ANSI	American National Standards Institute (Successor to USAS and ASA)
APA	American Plywood Association
API	American Petroleum Institute
ASA	American Standards Association
ASHRAE	American Society of Heating, Refrigeration and Air Condition Engineers.
ASTM	American Society for Testing and Materials
AWI	Architectural Woodwork Institute
AWPA	American Wood Preservers Association
AWPI	American Wood Preservers Institute
AWS	American Welding Society
AWWA	American Water Works Association
BOCA	Building Officials and Code Administrators International, Inc. Building Materials and Structures
BMS	(National Bureau of Standards- United States Department of Commerce)
BY&D	Bureau of Yards and Docks, Naval Department
CDA	Copper Development Association, Incorporated
CE	Corp of Engineers - Department of the Army
CRSI	Concrete Reinforcing Steel Institute
CS	Commercial Standard (United States Department of Commerce)
CSI	Construction Specifications Institute
DEPA	Douglas Fir Plywood Association
FAA	Federal Aviation Agency
FGMA	Flat Glass Marketing Association
FIA	Factory Insurance Association
FM	Factory Mutual Engineering Division
FPL	Forest Products Laboratory, U.S. Department of Agriculture
FS	Federal Specification
FTI	Facing Tile Institute
GTA	Glass Tempering Association
HYMA	Hardwood Plywood Manufacturers Association
ICBO	International Conference of Building Officials
IEEE	Institute of Electrical and Electronics Engineers
ILI	Indiana Limestone Institute
KCMA	Kitchen Cabinet Manufacturer Association
MFMA	Maple Flooring Manufacturers Association
MIA	Marble Institute of America
MIL	Military Specification
MLMA	Metal Lath Manufacturers Association
NAAMM	The National Association of Architectural Metal Manufacturers
NBFU	National Board of Fire Underwriters (see ALA)

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NBGQA	National Building Granite Quarries Association, Inc.
NBHA	National Builders Hardware Association
NBS	National Bureau of Standards
NCMA	National Concrete Masonry Association
NEC	National Electrical Code (of NBFU)
NEMA	National Electrical Manufacturers Association
NEMII	National Elevator Manufacturing Industry, Incorporated
NEPA	National Fire Protection Association
NOFMA	National Oak Flooring Manufacturers Association
NPA	National Particleboard Association
NRMCA	National Ready Mixed Concrete Association
NPVLMA	National Paint, Varnish and Lacquer Manufacturers Association
NTMA	The National Terrazzo and Mosaic Association, Inc.
NWMA	National Woodwork Manufacturers Association
PCA	Portland Cement Association
PCI	Prestressed Concrete Institute
P&DD	Planning and Development Department (City of Detroit)
PEI	Porcelain Enamel Institute
PS	Product Standard (United States Department of Commerce)
RMA	Rubber Manufacturers Association
SBCCI	Southern Building Code Congress International
SCPI	Structural Clay Products Institute
SDI	Steel Deck Institute
SJI	Steel Joist Institute
SMACNA	Sheet Metal & Air-Conditioning Contractors National Association
SPA	Southern Pine Association
SPI	The Society of the Plastics Industry, Inc.
SPR	Simplified Practice Recommendation (U.S. Dept. of Commerce)
SSPC	Steel Structures Painting Council
SWI	Steel Window Institute
TCA	Tile Council of America
UBC	Uniform Building Code of International Conference of Building Officials
UL	Underwriter's Laboratories, Incorporated
USPHS	United States Public Health Service
WCLA	West Coast Lumbermen's Association
WFI	Wood Flooring Institute
WRI	Wire Reinforcement Institute
WWPA	Western Wood Products Association

01.200 PESTCONTROL EXTERMINATION

Contents:

Rodent, Pest Extermination and Control

Termite Treatment and Control

Rodent, Pest Extermination, and Control

The Contractor shall comply with all State, County, and City of Hattiesburg Land Code Development Laws, and Ordinances in force at the time of the award of the contract, that are applicable to such work.

The Contractor shall furnish the Code Inspector with a written guarantee that the chemicals used in the performance of the work under the contract were of the required, and/or specified concentration and that the rate, and method of application complies in every respect to these specifications.

The Contractor shall post the necessary warning signs throughout the project or unit, informing the public that materials containing poisons are being used. The signs shall be posted at least two days in advance of the pending treatment.

In the extermination of rodents, poison baits will be used inside the buildings, only after it is determined that the use of traps would be impractical. Whenever poisoned baits are used, the Contractor will notify the Owner and the authorized representative of City in advance. Poisons that constitute an extreme hazard to humans and pets will be placed in bait containers. Such containers will be of the type that will protect humans from contact with the poisoned bait. Residual chemicals shall be of low toxicity.

Fumigation will be done only with the written approval of the Owner and the Code Inspector, and then only when the entire building is unoccupied.

Dead rodents shall be removed from the premises, and shall be destroyed in accordance with local laws and ordinances. Dead rodents, in inaccessible places, will be treated with **Isopropyl Acetate, Neutroleum Alpha**, or similar materials. Mashing agents or deodorants, such as: **oil of pine; peppermint; wintergreen; formalin; anise; or activated charcoal; or similar substances, shall be used as required.**

Each living unit, laundry room, boiler room, crawl space, and storage room, shall be treated for the control and extermination of rodents, and other pests.

In performance of the contract, the following definitions shall apply:

Rodents-Rats and mice

Pests- Ants, roaches, water bugs, silverfish, etc., exclusive of termites, wood boring insects, moths, and fabric beetles.

The installation, or application of all chemicals, and materials used, shall be done under the supervision of a competent superintendent provided by the Contractor. All work shall be performed in accordance with the best practices of the trades involved.

All work shall be performed by mechanics skilled in their respective trades. Chemicals and poisons shall be handled and transported in strict accordance with the product manufacturer's specifications and directions. No adulterations of any description, except as specifically recommended by the manufacturer, or as specified hereinafter, will be allowed. Chemicals to be used must be highly penetrating, and of long lasting toxicity. They shall be specifically designed for use in rodent and pest control work, and shall have the properties of both killing the rodents and pests, and of depositing a toxic barrier wherever applied. The chemicals must be acceptable to the appropriate controlling Federal, State and local agencies, if the chemicals are proprietary preparations, they shall be registered under Federal Insecticide, Fungicide and Rodenticide Act, for their proper use.

The chemicals shall be applied at the dosage rate and by the methods prescribed by the appropriate controlling agencies, laws, regulations, codes, and ordinances, or in accordance with the directions for use acceptable for registration of the products under the Federal Act. Evidence of registration under the act,

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and a statement of the methods to be used, shall be presented to the Owner, and the CDBG Rehab Specialist, and Code Inspector.

Extreme caution must be taken by the Contractor to protect human and pet life from toxicity, poison, or harm from the traps, poisons, or chemicals used in Exterminations and Pest Control Services. The Contractor shall take all precautionary measures to safeguard the health and wellbeing of the tenants, their children and pets, and to protect their foods, furnishings, and surroundings from harmful or distasteful odors, stains, spoilage, or damage of any description.

Termite Treatment and Control

The Contractor shall comply with all State, County, and City Codes, Laws, and Ordinances in force at the time of the award of the contract that is applicable to such work. A person or firm licensed by the State shall perform the termite control work.

The Contractor shall furnish **CDBG Rehab Specialist, and Code Inspector with** a written guarantee that the chemicals used in the performance of the work under the contract were: of the required, and/or specified concentration; and that the rate, and method of application complies in every respect to these specifications. The Contractor further guarantees the effectiveness of the treatment against future infestation, for a period of one year from the date of final acceptance. This guarantee shall extend to the successor in title should the project, or unit be sold during the guarantee period.

The Contractor shall post the necessary warning signs throughout the project, or unit informing the public that materials containing poisons are being used. Signs shall be posted at least two days in advance of the pending treatment.

Extreme caution must be taken by the Contractor to protect human and pet life from toxicity, poisons or chemicals used in the termite service. The Contractor shall take all precautionary measures to safeguard the health and well-being of the tenants, their children, the public and pets, and to protect their food, furnishings, and surroundings from harmful, or distasteful odors, stains, spoilage, or damage of any description.

All materials used for the application shall be approved by the U.S. Department of Agriculture and the State, and shall be applied by experienced persons skilled in the trade, and in accordance with the best practices of the trade.

The chemical to be used must be highly penetrating in ground, and be of long lasting toxicity. It shall be specifically designed for use in termite control work, and shall have the properties of both killing termites, and of depositing a toxic barrier wherever applied. It must be accepted by the Division of Forest Insect Research, Forest Service, USDA, or, if the chemical is a proprietary preparation, it shall be registered under the Federal Insecticide, Fungicide and Rodenticide Act, for use as a termite toxicant, for which prolonged effectiveness may be anticipated. In no event, shall the anticipated effective duration of the treatment be of less than one year.

The chemical shall be applied at the dosage rate suggested by the Bureau of Entomology and Plant Quarantine, or in accordance with the directions for use acceptable for registration of the product under the Federal. Act.

In lieu of the specified treatment, the Contractor may use a chemical registered under the Federal Insecticide, Fungicide and Rodenticide Act, for use as a termite toxicant, for which prolonged effectiveness may be anticipated (specifically for slab-on-ground type construction) provided the same is applied strictly in accordance with the methods approved by the registration. Evidence, or registration under the Act, and a statement of the methods to be used, shall be presented to the Owner, and the CDBG Rehab Specialist, and Code Inspector.

01.300 EXTERIOR/INTERIOR CLEAN-UP

Contents:**General Instructions****Exterior Cleaning****Interior Cleaning****Final Cleanup****GENERAL INSTRUCTIONS**

Prior to notification by the General Contractor that a project is complete and ready for final inspection, all cleaning items shall have been attended to. The Contractor's performances of these items are made of record, and are considered when evaluating his overall compliance with the contractual requirements.

EXTERIOR CLEANING

All cleaning agents shall be thoroughly rinsed from all surfaces, including surrounding porches, walks, canopies, awnings, and roofs. Final clean up, including window cleaning shall be done after any other exterior cleaning is completed.

Non-Masonry Siding

All siding materials shall be cleaned with an agent, such as detergent and water. No acidic agents, such as those used on masonry, shall be used. A brush type instrument, or non-abrasive pad, shall be employed, so that proper scrubbing action removes all accumulated dirt from irregular surfaces, joints and cracks. Scrubbing action from water pressure alone shall not be considered sufficient.

Awnings

Awnings shall be cleaned both inside and out, with water based detergent designed for this purpose. A brush type instrument, or non-abrasive pad shall be employed so that the proper scrubbing action removes all accumulated dirt from irregular surfaces, joints, and cracks. Scrubbing action from water pressure alone shall not be considered as sufficient.

INTERIOR CLEANING**Built-In Appliances**

Built- in Appliances must be cleaned both inside and out, of all residue.

Exhaust Hood and Fan

Exhaust hoods (with fans) must be cleaned of all grease and residue.

FINAL CLEAN UP (VACANT PROPERTIES)

Clean all concrete slabs, porches, and sidewalks of any adhering plaster, or concrete. Rake all yards, and remove any accumulated debris.

Place splash blocks in their proper positions, or in the utility room, or basement.

Remove all trash, dirt, dust, debris, carcasses, and nests remaining on the premises including the:

- A. Attic, basement, crawl space, garage, and/or outbuildings
- B. Closets, cabinets, drawers, and shelving

Remove waste materials, debris, and rubbish from the premises, and legally dispose of it away from the site.

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Clean those aluminum windows, doors, storms, and screens not already cleaned, with plain water, or a petroleum product such as: white gasoline, kerosene, or distillate. No abrasive-cleaning agents shall be used.

Wash all glass, both inside and out, and remove any paint spatters or putty marks remaining on the glass, with razor blades. Polish all mirrors.

Clean lighting fixtures as follows:

- A. Disassemble fixtures, clean all surfaces, reassemble unit.
- B. Wash exterior, and interior surfaces of glassware.
- C. Clean electrical faceplates, and door chimes.

Carefully remove all dirt and stains from the ceramic tile. Remove paint spatters with a razor blade. Difficult to remove cement film on the grout, can be cleaned with TC-50 Ceramic Tile Cleaner, and a nylon scrubbing pad, or stiff brush. An acid solution shall not be used for washing ceramic tile.

Thoroughly clean and polish all plumbing fixtures. All portions of the toilet bowls shall be scoured clean. Drain the water tank part, clean the inside surfaces, and wipe the operating mechanism clean.

Clean all laminated plastic surfaces.

Wipe clean all shelving, and cabinet work (inside and out) in the closets, kitchens and other rooms. Remove all debris from the drawers, and storage bins.

Wash down concrete basement floors, remove paint, plaster, or other foreign materials, which have dropped onto, and/or spattered the surfaces.

Clean (and strip wax when necessary) all wood, and resilient floors, and apply a coat of wax. Clean all carpeted floors with a commercial type vacuum cleaner.

Cover the floors, in all finished rooms, with a heavy non-staining building paper after the final inspection. The contractor shall not tape building paper to any surfaces.

During the inspection process, a scrap piece of carpet, or building paper shall be placed at the entrances, to eliminate the tracking of dirt, dust, or other foreign matter, onto the finished surfaces.

02.000 SITEWORK

Contents:

02.100 Demolition and Debris

02.200 Concrete

02.250 Asphalt

02.500 Fencing

02.600 Grading and Landscape

GENERAL INSTRUCTIONS

Demolition work shall conform to the requirements of the Land Code Development Ordinances, Mississippi Department of Environmental Quality, the Resource Recovery Division of the Department of Natural Resources, and the Environmental Protection Agency as well as utility company regulations.

Work shall not be performed on any building or structure adjacent to a public way in general use by the public for pedestrian travel, unless proper protective means are established as required by the local authority.

Materials or structures occupying public property, including fences and walkways, shall be adequately lighted between sunrise and sunset.

Public property usage shall meet the requirements of the public agency having jurisdiction. Plot plans and construction details shall be submitted for review to the concerned agencies when requested.

Materials and equipment to be utilized on the job shall not be placed or stored on public property so as to obstruct free and convenient approach to and use of fire and police equipment, utility boxes, catch basins, or manholes, so as to interfere with the free flow of water in any street or alley gutter.

A means of protection shall be instituted over every street lamp, utility box, police and fire equipment, catch basin and manhole that may be damaged while the work is being performed. The protective equipment shall be maintained while work is ongoing and shall not obstruct the normal functioning of the devices.

Walkways shall be maintained on the sidewalk in front of the home during reconstruction, alteration, or demolition unless authorization is sanctioned that the walk be fenced and closed.

Adequate signs and railings shall be provided where required for pedestrian safety and direction.

Required railings shall be provided when the walkway extends into the roadway and/or adjacent to excavation. Protective fences and canopies shall be removed within thirty (30) days from completion of work or sooner.

Scheduled work shall not begin until all required protective measures are in place. The Contractor may be required to submit plans and/or work schedules to the local authority. Work shall not proceed until a written approval is secured from the local authority.

Areas or items scheduled to remain that are damaged by the Contractor shall be repaired to a like new and/or sound condition. Companies and authorities owning conduit wires or pipes running under or over the site shall be notified so that appropriate arrangements can be made and removal, protection, or capping can transpire. Contact "Mississippi 811" a minimum of 48 hours prior to starting to dig. Similarly, conduits, drains, pipes and wire that are to remain on the property, or that serve adjacent properties, shall be carefully protected until work is complete. Trash dumpsters located on the job site shall not be utilized unless it is the property of the Contractor doing work.

Unless otherwise noted in the work description, materials that are designated to be removed shall become the property of the Contractor to sell or dispose of to his best advantage. The demolished material shall be placed in neat piles and stacks while awaiting disposal. Debris shall be removed from the premises as accumulated so that the premises will not acquire a disorderly or unsightly appearance. Areas of grass killed by demolition or by the storage of debris and other materials shall be raked clean and reseeded (See Landscape Section). Any debris must be removed prior to the final inspection and all areas shall be left in a neat condition. Combustible materials or rubbish shall not be burned on the premises. The Contractor shall at all times take the necessary precautions to minimize annoyance to the surrounding community.

Any Contractor who intends to demolish any institutional, commercial, or industrial building (INCLUDING APARTMENT BUILDINGS HAVING MORE THAN 4 DWELLING UNITS), structure, facility, installation or portion thereof which contains any pipe, duct, boiler, tank, reactor, turbine, furnace, or structural member that is covered with friable asbestos (material that contains more than 1% asbestos by weight and can be crumpled, pulverized, or reduced to powder, when dry, by hand pressure) materials, or who intends to renovate any institutional, commercial, or industrial building, structure, facility, installation, or portion thereof where more than 80 meters (ca. 260 feet) of pipe covered or coated with friable asbestos materials are stripped or removed, or more than 15 square meters (ca. 160 square feet) of friable asbestos materials used to cover or coat any duct, boiler, tank, reactor, turbine, furnace, or structural member are stripped or removed shall comply with the National Emissions Standards for Hazardous Air Pollutants (NESHAPS) of the United States Environmental Protection Agency (U.S.

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E.P.A.) regulation 40 CFR 61 and Occupational Safety and Health Rules Chapter II Air Contaminants and Physical Agents Part II Special Substances ASBESTOS (1910.93a Entire Rule).

Notification of intent to demolish or renovate must be provided to the State of Mississippi Department of Environmental Quality for any operation. This notification must be postmarked at least ten (10) days BEFORE THE BEGINNING of the demolition, or as early as possible before renovations begin.

Friable asbestos materials must be removed from the structure being demolished or renovated. Such removal MUST OCCUR PRIOR to any wrecking, or dismantling operations that would either break up the friable asbestos materials or preclude access to them for later removal.

The Mississippi Department of Environmental Quality should be contacted to find suitable disposal sites for waste materials containing asbestos.

Questions about the NESHAPS regulations should be directed to the Mississippi Department of Environmental Quality.

02.100 DEMOLITION AND DEBRIS

Garage and Outbuilding Removal

1. Demolish garage or outbuilding as scheduled.
2. Remove existing wiring or utilities as necessary, tying off at established service connections.
3. Remove all debris from the site promptly.
4. Unless otherwise specified in the Work Description, the slab shall remain and shall be properly protected from damage during the course of the removal work.
5. Slabs damaged by the Contractor shall be replaced by the Contractor at his own expense.
6. When the slab is designated for removal, all sections shall be removed below the grade surface and replaced with topsoil and graded in accordance with the existing yard conditions.
7. Reseed the area when the weather conditions permit.

Concrete Removal

1. Cut or break up and remove concrete slab, footings, walls, drives or walks as scheduled to a depth of 8 inches below grade. If no replacement is scheduled, backfill to existing grade. The top 4 inches shall be topsoil.
2. Reseed the area when the weather conditions permit.

Fences and/or Gates

1. Sections of the fence and gate shall be removed complete with post.
2. Concrete footings shall be removed to a point at least 4 inches below the finish grade.
3. All open postholes shall be filled with topsoil and compacted, and the entire area shall be raked clean and left in a neat condition.

Electrical Circuit Removal

Refer to Electrical Division 16.100 for specific removal specifications.

Radio/TV Antenna

When scheduled to be removed, radio or television antennas shall be removed from the roof together with any guy wires or ropes and lead-in wires attached to the antennas. When the antennas and guy wires or

other supports are removed, care shall be taken not to leave any nail holes in the roofing that will leak water into the house. All holes and any other damage to the roofing shall be repaired as necessary. Any and all antennas shall be automatically removed unless the property is occupied, or stated on the drawing that antenna is to remain.

Awnings and/or Awning Framework

When scheduled, remove the awnings and frames completely, and properly dispose of. Upon removal, all holes shall be filled with mortar if the surface is masonry, oil base filler if wood, a vinyl sealant if aluminum, or asphalt for composition siding. The holes shall be filled flush with the surface and paint applied where necessary; the surrounding color shall be similar to the existing.

Porch and Frame Enclosures

Protect all wall openings until they can be enclosed. Masonry piers shall be removed per above standards unless they are to be used for the construction of a new porch. Backfill and grade as necessary. Newly exposed areas, now apart of the yard, shall have 4 inches of topsoil placed and the area shall be seeded, when weather conditions permit. (See also Grading and Landscape section for further description).

Wood Paneling

When scheduled, wood paneling shall be removed from walls, including all trim and furring. Paneling shall be disposed of as any other debris. Care shall be taken to minimize damage to the mounting surfaces. Repair all damage to the mounting surfaces that is not otherwise scheduled for repair.

Wall Removal

When scheduled, walls shall be removed with a minimum amount of damage to the surrounding surfaces. Any void remaining in surrounding surface shall be filled with compatible materials. Any heating, plumbing or electrical components within the wall shall be removed completely or back to the nearest junction point and sealed off with proper materials.

Stripping Interior Surfaces

Remove the finish materials from walls and/or ceilings. Remove all unnecessary nails or securing mechanisms and makeshift shelving. All illegal wiring shall be removed back to a junction point and all duct runs shall be capped with a piece of galvanized sheet metal at the junction.

Tile Removal

Remove vinyl or asphalt tile from scheduled floor area. Clean up surface to a "like new" condition where no new finish is to be applied. Clean up surface sufficiently to allow the underlayment or new finish to be applied in a level, smooth and neat manner. Underlayment shall be removed only when specifically called for in the Work Schedules.

Carpeting Removal

Remove the existing carpeting from the scheduled floor area. Remove all tacks, nails, staples, tackless edging, padding and cushions from the floor area. Repair of the exposed flooring, or installation of new carpeting shall be scheduled elsewhere.

Cabinet and/or Counter Removal

Remove the scheduled cabinets and/or counter and restore surrounding areas to a sound condition. Remove accumulations of dirt and debris and dispose of properly. Care shall be taken to minimize damage to the surrounding areas during the removal operation.

Wallpaper Removal

Remove vinyl, paper, or other types of coverings from the scheduled areas in accordance with acceptable practices of the trade. Restore base surface in preparation for materials as scheduled.

Remove Drain and Cement Opening (Exterior)

Drains shall be removed 4 inches below finish grade. Cap the drain shaft with concrete. It shall be covered with 4 inches of topsoil free of stones and debris suitable for plant growth.

Plumbing Fixture Removal

When scheduled, plumbing fixtures (including laundry trays and hot water heaters) shall be properly disconnected from all supply and/or waste lines or outlets. The fixture shall be removed from the premises complete with all fittings and faucets. The supply and waste pipes shall be capped flush with the floor or wall, and all mounting holes shall be sealed with patching cement. The mounting base shall be removed flush with the existing floor.

Exhaust Fan - Hood Removal

Remove all units completely. Wall and/or ceiling openings shall be sealed off with compatible materials as scheduled. If contained within the cabinets, repair areas to a like new condition.

Air Conditioning Equipment Removal

Individual units scheduled for removal shall be removed completely and disposed of as debris. Existing openings shall be framed, insulated and finish materials applied as scheduled.

Central air conditioning units shall have all component parts removed completely. Electrical equipment and/or wiring shall be disposed of likewise and voids contained in walls to be filled with compatible materials. Electrical equipment contiguous with furnace shall remain.

Coal Chute - Milk Chute Removal

Remove the existing chute system completely, including stone or brick sills, and brick or block opening. Brick shall be laid in full bed of Portland Cement mortar with 3/8 inch to 1/2 inch joint per course. Strike all new joints and clear off excess mortar from face surfaces. Installation of brick/block to run true, level and face surfaces to blend with existing surfaces. Match the existing brickwork with brick that is similar in color, style and texture. Chute systems that penetrate sided or shingled exterior walls, shall have similar material applied over the closed opening. Apply drywall or plaster to the interior of the opening above grade. Spackle joints and feather edges to give uniform surface to the wall ready for painting. In basement or crawl space areas, additional brick/block may be required so the interior surface is flush with the surrounding areas. Insulate the opening where necessary.

Chimney Removal (Exterior)

Exterior chimneys shall be dismantled to below the roofline. The chimney shall be properly secured to the roof with metal brackets and capped. The chimney flashing shall be removed and the necessary repairs to sheathing and roofing shall be made. Any new roofing shall be similar in style, weight and color to the existing.

Chimney Removal (Interior)

The exterior portion of the chimney shall be dismantled to 1 foot below the roofline in uninhabited areas. The chimney flashing shall be removed and necessary repairs to the sheathing and the roofing shall be made. (See Chimney Removal Ext.).

In habitable areas, the chimney shall be dismantled to below floor level of the area where the work is scheduled. The chimney shall be properly secured to the floor joist and capped. The floor shall be repaired as necessary. (See Roofing and Sheathing Section for more details).

02.200 CONCRETE

GENERAL INSTRUCTIONS (Poured Concrete)

Concrete shall be standard, air-entrained Portland Cement concrete with water-cement ratios as recommended by the Portland Cement Association (PCA) for the particular application. The Portland Cement shall comply with ASTM C150 type required. (In no case shall the slump be more than 4 inches). Aggregate shall be clean and free from organic or other harmful material and comply with ASTM C33, except local aggregates of proven durability may be used pending Rehab Specialist's approval. Water used in mixing concrete shall be clean and free from injurious amounts of oils, acids, alkalis, salts, organic materials, or other substances that may be deleterious to concrete or steel. In addition, the mixing water for prestressed concrete or for concrete, which will contain aluminum embedments, including that portion of the mixing water contributed in the form of free moisture on the aggregates, shall not contain deleterious amounts of chloride.

The load bearing capacity of the soil shall determine the type of footing, foundation or slab system used. Soils of low bearing capacity necessitate provisions for greater load distribution. On fill material, footings shall extend to undisturbed soil unless the fill has been sufficiently compacted to insure against excessive differential or overall movement of the structure. Refer any questions regarding soil stability to the local building department.

Certain concrete installations may require an open trench inspection, by the local building department and the rehabilitation specialist prior to placement of the concrete. Should the Contractor suspect the need for such an inspection on any of his contract work, it shall be incumbent upon him to seek an opinion from the local building department. Should the Contractor fail to schedule such an inspection when required, any cost incurred as a result of this negligence shall be at his own expense.

Concrete placement shall comply with ACI 304, placing concrete in a continuous operation within planned joints or sections. Do not begin the placement until the work of other trades affecting concrete is completed. New concrete shall not be placed when the temperature is less than 40 degrees Fahrenheit (4 deg. C.) or greater than 90 degrees Fahrenheit, (32 deg. C.) unless it is properly protected and controlled during mixing, placement and curing in accordance with the recommendations of the ACI and the PCA. In cold weather comply with ACI 306; in hot weather comply with ACI 305. All concrete damaged as a result of failure to comply with the ACI provisions shall be replaced by the Contractor, at Contractor's expense. Check for acceptability of up to 3% chloride.

Formwork shall be true to lines and grades and be properly braced and rigid to prevent displacement. Forms shall be constructed so as to not damage concrete when being removed. Apply release agents or wet forms, as required. Concrete shall not be deposited in forms from a height greater than 3 feet. After placement, concrete shall be screeded to proper elevations. Retighten forms during and after concrete placement if required to eliminate mortar leaks.

During cold or hot weather, steps shall be taken to maintain appropriate curing temperatures and rates of water evaporation. After forms are stripped, honeycombed or defective, work shall be immediately repaired. Any holes shall be filled. Surfaces shall be swept clean and all loose particles or other foreign matter shall be removed. Slabs shall be washed with water. After drying, the concrete shall be swept

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clean. Quality and finish of all work shall be of the type specified herein for the particular installation and shall be done in accordance with recognized standards.

Liquid chemical floor hardener, when required, shall be a blend of magnesium and zinc fluorosilicates combined with a wetting agent; not less than 2 pounds of fluorosilicates per gallon.

The Contractor shall do all cutting and patching into concrete or masonry surfaces as required for the job. He shall fire-stop all openings where pipes or ducts pass through walls or floors.

Concrete required to be cut, broken or removed in any location shall be neatly cut using concrete cutting saws. Saw cuts shall be made deep enough into the concrete to ensure that the subsequent breaking and removal of the remaining sections will not result in the cracking or chipping of exposed surfaces or edges. The balance of the breaking shall be carefully done to ensure that exposed or structural parts are not cracked or damaged. Any surfaces which will be bonded to new concrete shall be prepared by chipping the entire surface, followed by a thorough washing. Exposed saw cut edges that will be treated as expansion or tooled control joints shall have the sharp saw cut edge eased with a power hand grinder to approximate the rounding made by an edging tool.

When patching concrete, remove loose concrete in squared-off sections using a masonry saw or chisel. Edges shall be dovetailed so that the opening at the bottom is larger than the opening at the top. Provide wire mesh reinforcement for holes greater than 6 inches by 6 inches. Apply a coat of concrete bonding agent prior to the application of patching material. Patching material shall be a leveling latex for concrete and shall be applied according to the manufacturer's recommendations. Floor slabs and exterior wearing surfaces shall be float finished. Deck slabs shall be steel troweled. Broom finish all walking surfaces.

"Install New" implies excavation, preparation of the subgrade, and pouring of new concrete. (See also description of "Excavation" in the Grading section). "Replace" implies removal of existing sections of damaged concrete, preparation of the subgrade and pouring of new concrete, Note that in some situations, good sections of concrete are sometimes scheduled to be replaced, such as when basement walls are to be damp proofed. The following part of this Section provides specifications for the placement of concrete whether scheduled as "Install New" or "Replace".

Where a driveway or walk fills the space between existing abutting masonry or concrete, suitable expansion joints 1/2" in thickness shall be provided between new walks and slabs, or other rigid structures.

Expansion strip material used shall be pre-molded resilient bituminous fiber and shall be of sufficient depth to completely separate the newly placed concrete from the abutting slab, masonry or structure. Portions of the driveway between the property line and the street require a permit from the City of Hattiesburg, Department of Urban Development.

POURED CONCRETE

Sidewalks

Subgrade shall be a well-drained sand base, uniformly graded 4 inches below finish grade. New concrete shall be at least 4 inches thick. Slump of concrete shall be 2-4 inches. Finish surface of new sidewalks shall be approximately parallel with that of adjacent soil; sidewalks shall be constructed so as not to impede the drainage of surface water away from the house and off the property. Contraction joints shall be provided at approximately 6 feet intervals and expansion joints at entrance platforms and at intersections with driveways or other walks and every 18 feet. The width of new concrete sections shall match the existing concrete. New main walks shall be 36 inches wide and new secondary walks shall be 24 inches wide. Wearing surface shall receive a light brush finish.

Driveways

Subgrade shall be a well-compacted, well-drained sand base, uniformly graded 4-6 inches below the finish grade. New concrete shall be a minimum of 4 inches thick except that concrete at curb and sidewalk crossings shall be 6 inches thick. Slump of concrete shall be 2-4 inches. Finish the surface of new driveways shall be approximately parallel with that of adjacent soil. Driveways shall be constructed so as not to impede the drainage of surface water away from the house and off the property. Contraction joints shall be provided at approximately 10-foot intervals and expansion joints at intersections with walks, curbs, garage or carport slabs every 20 feet. Entrances shall be flared or have adequate radii for safe and convenient ingress and egress.

Provide proper grade so that the undercarriage and bumper of cars entering the driveway do not make contact with any surface. The width of new concrete sections shall match existing except that new solid driveways shall be a minimum 10 feet wide. Ribbon driveways shall meet the specifications in the above paragraph. Finish surfaces shall receive a light brush finish, be true to cross section and grade and provide for uniform surface drainage. Concrete shall be kept moist for 3 days to insure proper curing.

Note: Drive approach between street and public walk requires a special permit.

Garage Floors

Replace Existing- Saw cut the perimeter within 2 inches of walls. Remove the existing concrete floor. Properly prepare subgrade, and pour new 4-inch thick floor.

Note: If garage does not have an existing rat wall, contact owner and CDBG Rehab Specialist for Contract Change Order.

Cap Existing- Refer to "Capping concrete floors specifications." Vehicle doors and track hardware must be remounted to accommodate new floor height.

Deck Slab

Concrete deck shall be a minimum 6-bag mix, a minimum of 4" thick with a troweled surface and dressed edges. Decks over excavated areas shall be constructed with a minimum of 3/8" deformed rods placed and wired 12" on center in both directions so the deck does not crack. An inspection must be requested, and work approved prior to placing concrete. The deck must be adequately supported throughout so that it does not crack. The above specifications are only minimum requirements and it is the contractor's responsibility to exceed the minimums as required so that new deck does not crack. (ie: concrete mixtures, concrete thickness, re-rod size and placement and additional support.)

The deck pitch shall not exceed 1/8" to the foot and be troweled to drain surface water from entire deck surface. The finished deck shall have a properly pitched, smooth, hard, plane surface. Seal the junction between the deck and the dwelling to eliminate leaks. The deck shall have a 1/2" drip on all open sides. When installation of wrought iron railings, handrails, and columns are called for, the anchors shall be set and leaded into the concrete.

Floor Slabs at or Below Grade

The base for slabs shall be a well-compacted 4-inch sand-gravel subgrade. Provide a polyethylene vapor barrier between the subgrade and slab. The barrier shall be a clear 6-mil thick polyethylene, polyethylene-coated barrier paper or 1/8-inch thick asphalt core membrane sheet. Footings will vary with the type of slab, but shall extend at least 12 inches below grade. Unless fill has been compacted to assure uniform slab support, slabs or fill shall be supported by concrete or masonry piers or intermediate foundation walls resting on undisturbed soil. New concrete slabs shall be a minimum of 4 inches thick.

The slump of the concrete shall be 2-4 inches. The slab shall be reinforced with 6 x 6 - 6/6 welded wire fabric (6 inch x 6 inch, No. 10 wire mesh). The edge of sections of wire mesh shall lap one full mesh or 6

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inches. The lap shall be tied together. Install 1-inch rigid insulation boards at the perimeter of the slab. Where applicable, slope concrete to floor drains surfaces shall be troweled and have nonskid texture.

Footings (General)

Footings and foundations, unless otherwise specified, shall be constructed of masonry or concrete and shall in all cases extend not less than 42 inches below the finish grade.

Foundation walls supporting wood shall extend at least 6 inches above the finish grade adjacent to the wall at all points.

Concrete in footings shall have an ultimate compressive strength of no less than 3,000 pounds per square inch at 28 days. Concrete footings shall be protected from freezing during deposition and for a period of no less than 5 days thereafter. Water shall not be allowed to flow through the deposited concrete.

Pier and Post Footings

The slump of the concrete shall be 1-2 inches. Footings supporting wood posts shall extend from a point at least 42 inches below grade to a point 6 inches above the finish grade. They shall have the same top dimensions as the posts. Bottom dimensions will vary with the footings design. Provide a steel anchoring pin or metal seating bracket. Footings supporting masonry piers or columns shall extend at least 42 inches below grade and have the same top dimensions as the piers, or be a minimum of 12 inches x 12 inches. Dry mix concrete poured into excavation is unacceptable.

Skirt Footings

Concrete footings supporting block skirts shall be at least 8 inches wide and extend at least 42 inches below grade. Concrete footings supporting brick and block skirts shall be at least 12 inches wide and extend at least 42 inches below finish grade.

Step Stringer Footings

Concrete footings for cast stone, or precast concrete steps shall be a minimum of 8 inches wide and extend at least 42 inches below grade.

Step Pad for Frame Steps

The concrete step pad supporting the first riser and tread shall be at least as wide as the steps, and be a minimum of 4 inches thick and the full width of the stringer.

Stanchion Footings

Cut out a 12-inch x 12-inch section of the floor slab using a masonry saw or chisel. The edges shall be dovetailed so that the opening at the bottom of the slab is larger than the opening at the top. Remove enough earth to pour a concrete footing that extends at least 12 inches below the finish floor elevation. New footings shall set on a 4-inch sand-gravel base. Provide wire mesh reinforcement as necessary. Float finish surface. (See also description of patching concrete in the General Instructions of this section).

Capping Concrete Floor and Deck Slabs

Clean the floor or deck of all loose and damaged concrete and apply a coat of concrete bonding agent prior to application of new concrete. The new topping shall be a minimum of 2 inches thick. Raise the floor drains or drain spouts as necessary. Slope the basement floor to the existing drains.

Slope garage floors to code to approved floor drains, or to the vehicle door. Float finish the surface. Slope deck slabs 1/8 inch per foot, to drain away from the foundation wall. Steel trowel the surface. Any permanent fixtures, equipment, or structures (such as furnace, hot water heater, laundry tray, bath fixtures, stairs, and doors) must be raised or otherwise adjusted, when not scheduled to be removed or replaced. Doors into storage areas may be trimmed without raising the header. Under no circumstances are existing wood partitions, door jambs, or posts to be encased in the floor cap.

Replace Concrete Floor and Deck Slab

All existing sections of concrete shall be removed, the subgrade shall be properly prepared, and new concrete shall be installed. (See also description of Deck Slab and Floor Slabs at or below grade in this Section). Any permanent fixtures, equipment or structure must be raised or otherwise adjusted, when not scheduled to be removed or replaced.

Basement Floor Repair

Broken areas of basement floors shall be replaced with a 4-inch thick, 4,000-pound per square inch concrete slab installation on compacted sand fill. The joints shall be cut with a masonry saw to be break cleaned. A bonding agent shall be applied to the joint before placing the concrete repair. Finish the concrete patches with a steel trowel to blend into the existing surfaces.

Basement Wall Repairs

Secure cracks and openings in the basement wall by removing all scale, loose and disintegrated concrete, clean surface 6 inches on either side of the cracks in the basement wall. Undercut the crack to receive the patching material. Apply a liquid bonding agent to all surfaces to be repaired and patch the cracked area with a durable crack resistant cement product. The application is to be in strict accordance with manufacturer's recommendations. Finish the concrete patches with a steel trowel to blend into the existing surfaces.

Capping Window Well Bases

Clean the base of all loose and damaged concrete, and apply a coat of concrete bonding agent prior to the application of new concrete. The new topping shall be a minimum of 2 inches thick. Raise the drains as necessary. Slope the base to the existing drain. Float finish surface.

Rat Walls

Rat walls shall be not less than 4 inches thick, or at least 2 inches thick, when made up of reinforced concrete plates securely fastened together. They shall extend not less than 8 inches above, nor less than 24 inches below grade level; and, if serving as a foundation bearing wall, to sufficiently greater depth to assure protection from frost action (presently 42 inches). That portion of the cast-in-place concrete above grade shall be formed. The top surface shall be smooth and slope away from the structure. Concrete walks and driveways are not a substitute for rat walls.

Retaining Walls (Poured Concrete)

Walls shall be gravity or cantilever type. They shall be structurally sound and durable. Retaining walls shall be designed to resist the pressure of the retained material, including both dead and live loads;

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surcharges to which they may be subjected and to insure stability against overturning, sliding, excessive foundation pressure and water uplift.

Walls retaining drained earth may be designed for pressure equivalent to that exerted by a fluid weighing not less than 30 pounds per cubic foot, and having a depth equal to that of the retained earth. Any surcharge shall be in addition to the equivalent fluid pressure. Retaining walls shall extend at least 42 inches below grade, and have a 6-inch wide layer of gravel or crushed rock as backfill between the earth and the wall (extending the full height of the wall) except that the top 4 inches of backfill shall be topsoil suitable for plant growth when the adjacent area is landscaped. Provide reinforcement as necessary, and construction joints at 30-foot intervals. Place weep holes 10 feet on center, along the lowest exposed portion of the wall, to properly drain backfill.

Retaining walls with a difference in grade level on each side of the wall (in excess of 4 feet) shall be provided with a 42-inch high guardrail, or other approved protective measure.

Foundation Walls (Poured Concrete)

Walls shall be no less than 8 inches wide for wood frame, and 12 inches for masonry or masonry veneer, and they shall extend to the appropriate level below the finished grade, or as required for the particular installation. Footing dimensions shall be determined by the thickness of the wall. Footings shall be keyed for lateral stability. Provide reinforcement as necessary. Concrete shall be poured continuously. Where continuous pouring is impossible, provide construction joints with reinforcement for transfer of the stresses

All wall openings shall be properly reinforced. Any existing walls, intersecting walls, porch and entrance slabs, and areaways shall be anchored to the new wall. One half inch diameter anchor bolts shall be set no less than 7 inches into the concrete, at 8 foot intervals, or 6 foot intervals in earthquake design areas.

The top of the foundation wall shall be carefully finished and leveled for the sill plate. Foundation plates, or sills shall be bolted to the foundation, or the foundation wall with no less than 1/2 inch bolts embedded at least 7 inches into the masonry, or concrete and spaced no more than 8 feet apart. There shall be a minimum of 2 bolts per piece, with 1 bolt located within 12 inches of each end of each piece. Anchor straps may be used. (See also General Carpentry for additional plate and sill specifications.)

For foundation walls on houses with a basement, or where side conditions warrant, the exterior face of the wall shall have at least one coat of bituminous damp proofing material from the footing to the finish grade. New 4-inch drain tile shall be properly placed at the perimeter of the footing and connected, as required by code, to a storm sewer system or natural outlet.
(See Storm Drains for additional information).

Backfill material shall be an appropriate sand-gravel mixture for proper soil drainage. Where applicable, the top 4 inches shall be topsoil suitable for plant growth. Replace sod, or re-sod as necessary.

Cast-In-Place (Poured) Concrete Steps

Steps shall be as wide as the sidewalk, or a minimum of 3 feet wide. Stairs with a total step height of 30 inches or less, the tread shall be a minimum of 11 inches and the riser shall be a maximum of 7 1/2 inches. For a total step height of more than 30 inches, the tread shall be a minimum of 12 inches and the riser shall be a maximum of 6 inches. Rise and run shall be uniform throughout the flight. Provide 1/8 inch pitch for drainage. Wearing surfaces shall be troweled and have nonskid texture. (See also step stringer footings).

02.250 ASPHALT

ASPHALT PAVING

Resurfacing

Resurfacing a driveway shall consist of placing a new wearing surface on an existing asphalt driveway. The work shall not be done in inclement weather. Patch and fill cracks, holes and depressions to obtain a smooth surface. Sweep and clean all surfaces thoroughly and apply a coal tar emulsion bond coat as per the manufacturer's recommendations.

The new wearing surface shall not be less than 2 inches, when compressed, of hot asphalt surfacing material. Apply two seal coats. The new surfaces shall be rolled with a 10-ton roller. Surfaces inaccessible to a power roller, shall be warped smoothly for drainage, and show a close grained, uniform, and smooth surface free of depressions. The weight of the wearing surface, after rolling, shall be at least 18 pounds per square foot. The driveway shall not be used until the pavement has set for a minimum of 48 hours.

New Installation

New driveways shall be at least 10 feet wide. Driveway approaches shall have flared entrances or radii for safe and convenient ingress and egress. Provide proper grade so that the undercarriage or bumpers of cars entering driveways do not make contact with any surface. The size of new parking areas shall be as indicated on the drawing(s) and/or work description.

The final pavement surface shall be near level with the adjacent finish grade. The subsurface shall be well drained, undisturbed, or sufficiently compacted to prevent uneven settlement, and uniformly graded 6 inches below the finish grade. The area shall be treated with an herbicide in accordance with the manufacturer's directions. Precautions shall be taken to protect the adjacent surfaces and the existing vegetation, both during and following the application. Rolled edges shall be utilized.

The base course of crushed rock (1 1/2 inch or less in diameter) shall not be less than 2 1/2 inches deep, and shall be rolled following placement. This course may be omitted where the subgrade is undisturbed sand and/or gravel. The top course of crushed rock (5/8 inch or less in diameter) shall not be less than 1 1/2 inches deep. It shall be shaped to provide uniform surface drainage with a slope of at least 2%. The wearing surface shall not be less than 2 inches, when compressed, of hot asphalt surfacing material. Apply two seal coats.

The asphalt shall be rolled with a 10-ton roller. Any surface inaccessible to a power roller shall be thoroughly tamped with hot irons. The finished surface shall be warped smoothly for drainage, and show a close grained, uniform, and smooth surface free of depressions. The weight of the wearing surface, after rolling, shall be at least 24 pounds per square foot. The driveway shall not be used until pavement has set for at least 48 hours.

02.500 FENCING

FENCES

Wood Fences

Repair: Existing sections of fence scheduled to be repaired shall be restored to a condition comparable to new. Replace damaged, missing, or deteriorated parts and refasten or re-nail all component parts to form an integral whole.

Install New, Replace: When applicable, remove existing sections of fence complete with posts as per Work Description. Concrete footings shall be removed to a point of at least 4 inches below the finish grade. New wood fences shall be constructed of clear cedar, treated pine, or redwood and of a style as

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indicated in the Work Description. Post spacing shall be determined by the fence style chosen but shall, in all cases, be at intervals insuring lateral stability.

New wood top rail shall receive a coat of oil base primer, and if listed in the Work Description, it shall be painted. New wood fence post shall be round cedar or 4 X 4 square cedar or redwood as scheduled, to be similar to the existing in style and form. Cedar post shall be treated with preservative. Corner, end, and gateposts shall be set a full 36 inches into 12-inch top diameter concrete footings that extend at least 42 inches below grade. Footings shall be crowned and smoothed at top. New posts shall receive a coat of oil base primer, and, if listed in the Work Description, they shall be painted. The top rail and fencing shall be re-secured.

Re-anchor: The top rail shall be re-nailed or refastened to the posts so that the fence is structurally sound. Refasten any fence wire or slats, which were removed.

Chain Link Fences

General Instructions: When chain link fences and/or gates are scheduled to be repaired, replaced, or installed new, the Contractor shall comply with the standards of the Chain Link Manufacturer's Institute (CLFMI).

Pipe sizes indicated are commercial pipe sizes. Equivalent tubular sections, H-sections or roll-formed sections may be substituted for pipe sections pending the City's approval.

Concrete footings for all corner, gate and line posts shall be of Portland cement (ASTM C150), aggregates (ASTMC33) and clean water proportioned and mixed to obtain minimum 28-day compressive strength of 3,000psi.

When the Contractor has doubt regarding the intended location of fence and/or gates, he shall consult with the CDBG Rehab Specialist for clarification in writing before proceeding with the installation.

Chain link fence components shall be constructed of hot dipped galvanized wire mesh fabric, post and rails. Line post shall be 1 5/8 inch O.D. pipe for 4-foot fence and 2 inch O.D. pipe on a fence 5 feet or more. Corner end and gatepost shall be 2 inch O.D. pipe. Vehicle gatepost to 8 feet shall be 2 1/2 inch O.D. pipe and 8 feet to 20 feet shall be 3 inch O.D. pipe. Line posts shall be equidistant, and shall not exceed 10 feet on center.

Line post shall be set a full 32 inches into 8-inch top diameter concrete footings that extend at least 42 inches below the finish grade. Corner, end, and gate posts shall be set a full 36 inches into 12 inch top diameter concrete footings that extend at least 42 inches below the finish grade. Footings shall be 2 inches larger at the bottom of footing and crowned and smooth at top. Wire fabric shall be 11 gauges woven into 2-inch mesh. The top selvage shall be knuckled and bottom selvage shall be twisted and barbed. Tie wires shall be 9-gauge aluminum.

Repair: Existing sections of the fence scheduled to be repaired shall be restored to a condition comparable to new. Replace damaged, missing or deteriorated parts as necessary and refasten all components parts to form an integral whole.

Install New, Replace: When applicable, remove component part(s) and/or section(s) of fence, complete with posts, as per Work Description. Concrete footings shall be removed to a point at least 4 inches below finish grade. The completed fence shall match the existing section(s). Where there is no existing fence, the new fence shall stand 48 inches above the finished grade.

GATES

Wood Gates

Repair: The existing gates scheduled to be repaired shall be restored to a condition comparable to new. Hinges and gate latch shall be repaired or replaced as necessary. New hardware shall be galvanized.

Install New, Replace: New wood gates shall be of the same construction as wood fence described above and shall be mounted on new gate posts where necessary. Gates shall be swing type with latch. All hardware shall be galvanized. Vehicle gates shall be of a width appropriate to their intended use, and shall also include a drop-rod assembly and an appropriate latch that secures both halves together. All gates shall operate easily and properly. A hole shall be drilled 2 inches into the concrete to accept the drop rod. A metal sleeve sufficient in diameter and depth shall be provided to receive the drop-rod assembly.

Chain Link Passenger and Vehicle Gate

Repair: The existing gates scheduled to be repaired, shall be restored to a condition comparable to new. Hinges and gate latch shall be repaired or replaced as necessary. Hardware shall be zinc plated. All gates shall operate easily and properly.

Install New, Replace: New chain link fence gate shall be of the same construction as the chain link fence described above including a minimum of 1 inch O.D. frame fitted or formed corners, fabric, flat tension bars, gate slips, tie wires, hinges and self latching safety gate latch or fork latch, except that both top and bottom selvage shall be knuckled. New gate post(s) may be required. The gate shall be swing type, with self-latching safety gate latch or fork type latch. Vehicle gates shall be of a width appropriate to their intended use and shall also include a drop-rod assembly and fork latch that secures both halves. All gates shall operate easily and properly. A hole shall be drilled 2 inches into the concrete to accept the drop rod. A metal sleeve shall be provided for usage in all other areas.

Wrought Iron Fencing

Repair: Existing sections of fence scheduled to be repaired shall be restored to a condition comparable to new.

New and/or Replace: When applicable, remove existing sections of fence complete with posts as per Work Description. Concrete footings shall be removed to a point at least 4 inches below the finished grade. New wrought iron fencing shall be constructed of 1/2" square wrought iron bar stock. Spacing of vertical bars shall be 6" O.C. maximum. Top and bottom rails shall be no less than 1" x 1/4" flat wrought iron bar stock. Section columns shall be no less than 2" x 2" x 1/4" tubular square stock. Corner, end and gate posts shall be constructed of 2 1/2" x 2 1/2" x 1/4" tubular square stock.

Post spacing shall be equidistant and shall not exceed 8' - 0" on center. Line posts shall be set a full 30" inches into 8" diameter concrete footings that extend at least 42 inches below grade. Footings shall be crowned and smooth at top. All welds shall be 1/8" continuous fillet welds. Welds shall be ground smooth. Prime and paint immediately after welding. The completed fence shall match existing section or stand 72" inches above finished grade.

02.600 GRADING AND LANDSCAPE

Contents:

Excavation, Backfill, and Grading
Landscape

EXCAVATION, BACKFILL GRADING

Excavation

1. Remove earth to a depth of 8 inches below finish grade for all new sections of concrete walks.

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2. Remove earth to a depth of 8 inches below finish grade for all new sections of concrete driveways, sidewalk crossings directly in front of an approach and garage aprons.
3. Remove earth to a depth of 10 inches below finish grade for all new sections of concrete driveway approaches.

Backfill

No untreated wood surfaces shall be closer than 6 inches to any soil. Backfill material shall be clean and free of stones and debris with no wood scraps. It shall have reasonable moisture content when placed. Backfill material placed against newly damp proofed surfaces shall be appropriate sand gravel mix for proper soil drainage. Backfill material shall be carefully placed against walls and shall be well compacted. Fills shall be placed in layers 6 inches in thickness or less, and each layer shall be well compacted. Where applicable, top 4 inches (3 inches under sod) shall be topsoil suitable for plant growth. Strip and stockpile topsoil will be reused later.

Grading Of Yards And Drainage Away From The Dwelling

Note: Scheduling a yard to be graded does not necessarily imply that the pitch of the entire yard is to be changed. It usually means that various lumps, depressions and irregularities are to be filled and/or raked smooth to a finish grade that insures proper drainage for the lot.

Rough grading shall establish a subgrade parallel to and approximately 4 inches below the proposed finish grade. Where necessary, it shall be scarified to prevent slippage of the topsoil. Finish grading shall ensure that surface and ground water does not collect either under slabs or at the outside face of basement and foundation walls to a minimum of 3 feet away. Surface waters shall be properly routed within the limits of the property to lower elevations off the lot (public rights-of-way or easements) or to drainage systems on the lot. In the case of multiple lot grading, drainage swales may be located along property lines for the mutual benefit of adjoining properties. In no case shall surface waters be diverted onto adjacent private property. Topsoil shall be a minimum of 4 inches (3 inches under sod) of compacted soil, uniformly spread to provide a smooth surface. All topsoil shall be completely free of stones and debris and shall be suitable for plant growth. No finish grading shall be done until the ground is frost-free.

Grading Of Crawl Space

No wood surfaces shall be closer than 6 inches to any soil. Beams shall not be closer than 12 inches to earth; joist shall not be closer than 18 inches to earth. The entire surface shall be reasonably level when grading is complete. If moisture is evident in the crawl space, grading shall be done to take surface water to best out fall; or water shall be pumped out and the area dried with portable heaters; and a vapor barrier shall be installed and secured with rocks, stones or other masonry weights at all corners and edges. The barrier shall be 4-mil polyethylene film. The vapor permeance in the crawl space shall not exceed 1 perm. The bather shall provide at least this rating after testing in accordance with ASTM E-154 and E-96.

When a furnace is installed in crawl space, there shall be an unobstructed 24-inch by 36 inch high passageway to the unit. Suspended furnaces shall not be closer than 18 inches to earth. All furnaces shall have side clearance of 12 inches, except that clearance on the control side shall be 18 inches. Grading shall be done to take water away from furnace.

LANDSCAPE

Lawns

When the work description indicates areas where the Contractor shall construct lawns, it is assumed that a satisfactory grade for the installation of lawns will have been constructed. However, minor corrections to the grade shall be a part of this Contractor's work as required to complete the proper installation of the

lawn work. The lawn shall be seeded or sodded only during the appropriate seasons, when the soil is frost-free and weather conditions are favorable. All areas to be seeded or sodded shall be properly graded and free of existing grass, weeds, debris and rock.

Seed Lawn

Seed shall be Penn lawn red fescue. Fertilizer shall be commercial type known as 10-6-4. When the soil has the proper moisture content, spread fertilizer over the prepared area to be planted and rake it into the soil. Apply fertilizer at a rate of 3 pounds per 100 square feet of area. Lightly roll the ground in two directions before seeding. Seed shall be broadcast at a rate of one pound per 200 square feet of area. Rake the seed in gently and again roll the entire area. Cover the newly seeded section with a one-inch mulch of peat moss, well-rotted manure or native organic material. After mulching, thoroughly water all seeded areas with a fine spray.

Sod Lawn

Sod shall be nursery grown, fresh cut, free of noxious weeds and seeds and well rooted. It shall be cut and then laid as soon as possible, weather conditions permitting. Sod shall be at least one inch in uniform thickness. The type shall be best quality Kentucky Blue Grass or approved equal. Fertilizer shall be commercial type known as 10-6-4.

When the soil has the proper moisture content, spread fertilizer over prepared area to be covered, and rake it into the soil. The sod shall be installed in a regular pattern starting at the base of any slopes and paralleling contours.

Strips shall be tightly butted and the end joints shall be staggered. Sections shall be heavily watered following placement and again when the entire installation is completed. A few days after installation, the sod shall be rolled lightly and again watered thoroughly.

SHRUBS

Removal

When shrubs are to be removed, they shall be removed complete with roots. Any depressions shall be filled with topsoil and the entire area raked smooth and clean. Reseed area, weather conditions permitting.

Trimming

Shrubs shall be trimmed in accordance with accepted nursery practice. Branches shall be cut back to balance the root system. Broken and disfigured branches shall be removed. Branches should not obstruct the use of sidewalks or driveways nor project to within 2 feet of the structure.

TREES

Removal to Grade

When trees are scheduled to be removed, they shall be cut down to 6 inches below the finish grade. All debris shall be removed and the entire area shall be raked and/or broom swept clean.

Trimming

Trees shall be trimmed in accordance with accepted nursery practice. Branches shall be cut back to balance the root system. Broken and disfigured branches shall be removed. When limbs larger than 2 inches in diameter are removed, the butt end of the branch remaining on the tree shall be sealed. Neither

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branches nor limbs shall obstruct the use of sidewalks or driveways nor project to within 2 feet of structure(s) located on the property.

Stump Removal

When a tree stump is to be removed, all visible traces shall be removed to a point at least 6 inches below the finish grade. Backfill the hole with topsoil. The entire area shall be raked smooth and broom-swept clean. Reseed area, weather conditions permitting.

04.000 MASONRY

Contents:

04.100 Brick/Block/Cast Stone

04.120 Tuck pointing

04.150 Masonry Porch

04.100 BRICK/BLOCK/CAST STONE

GENERAL INSTRUCTIONS (Brick/Block/Cast Stone)

Masonry units and their installation shall comply with the recommendations of the Brick Institute of America (BIA, formerly SCPI) and National Concrete Masonry Association. Exterior masonry mortar shall meet the standards of ASTM C270, Type S, approximately 3:1:11 Portland Cement, lime, sand. Interior masonry mortar shall comply with ASTM C270, Type N, approximately 3:2:14 Portland Cement, lime, sand. Setting bed mortar and grout shall comply with ASTM C270, Type M; approximately 6:1:18 Portland Cement, lime, sand.

Continuous masonry wire reinforcing shall be truss design, 9 gauge welded steel wire, 0.8 ounce hot-dip zinc coating (after fabrication) for exterior walls, or mill-galvanized wire for interior walls (width 1 1/2 inch to 2 inch less than wall thickness).

Existing masonry units may be reused if undamaged and cleaned. New masonry units shall be true to size, and without cracks, chips, or other defects. New masonry units shall be similar to the existing. Repair or replace flashings, as necessary, under copplings and sills, through wall at counter flashing location, and above every element of structural support for the masonry. Where fresh masonry joins the existing, the exposed surface of the set masonry shall be cleaned and lightly wetted so as to obtain the best possible bond with the new work. When two fresh masonry walls intersect, they shall be bonded by masonry units or anchors spaced every 2 feet. Lay masonry units plumb, square, and properly anchored. Lay all courses with a full mortar bed approximately 3/8 inch thick. Tool all exposed joints. Do not erect masonry when the temperature is less than 40 degrees F., (4 deg. C.) unless it is properly protected and controlled for cold weather in accordance with the recommendations of the ACI. The color of the mortar shall be similar to the existing. Where applicable, backcharge masonry below grade. Mortar shall be protected from exposure to precipitation, excessive drying, freezing, soiling, backfill, and other harmful elements, until set. Thoroughly clean all exposed new masonry, and all repaired areas with a proper solution of muriatic acid. Keep acid away from metal work.

Rebuilding/Building New Piers and Columns

Remove the damaged pier or column. Provide new footings where none exist (See Concrete) and build new, or rebuild the existing piers and columns as scheduled. The size shall match the existing.

The Contractor shall be responsible for insuring that the new dimensions will be adequate to support the loads imposed. Provide steel reinforcement where necessary. New hollow masonry piers and columns shall be filled with concrete.

Chimney Repair

When a chimney is scheduled to be repaired, it shall be repaired as necessary. This includes: tuck pointing; replacing damaged masonry; installing a new chimney cap, flue extension, flashing and/or spark arrestor, if required.

Chimney Rebuild

Chimneys to be rebuilt shall be dismantled to a sound area or completely, as necessary, taking care to minimize damage to surrounding areas. The reconstruction of the chimney shall conform to the requirements of a new chimney, but the internal areas shall not be less than that of the existing portion of the chimney, should any remain. When a chimney is rebuilt or altered, it shall be cleaned and left smooth on the inside. If the chimney is constructed of masonry or tile, the mortar joints must be left smooth and flush. Cleanouts, or other approved devices shall be provided at the base of the chimney to enable the passageway(s) to be maintained and cleaned. The chimney shall extend at least 2 feet above the part of the roof that it passes through, and at least 2 feet above the highest elevation of any portion of the building within 10 feet of the chimney. Repair adjoining surfaces of the structure as necessary to a sound condition. Refer to local building codes for exact requirements on chimney construction. Spark arrestors shall be installed when the building code requires them.

When "Chimney Rebuild" is from the roof line and up, or at some point below roof line and up, new metal flashing must be installed. Metal flashing, saddles, and crickets must have counter flashing set into mortar joints, refer to Flashing specification in section 07.650.

Cast Stone Chimney Cap

The new cap shall be at least 2 inches thick at the outside edge, and shall be sloped from the flue extension to the outside edge.

Chimney Flue Extension

Remove the damaged top section. Carefully bed the lower end of a new section of clay tile flue lining in mortar. The lining shall be not less than 5/8 inch thick. The joints shall be close fitting and left smooth on the inside. The top of the flue lining shall be at least 4 inches above the top of the chimney cap.

Fireplace Hearth

Masonry fireplaces shall be provided with a brick, concrete, stone, or other approved noncombustible hearth slab.

This slab shall not be less than 4 inches thick, and it shall be supported by noncombustible materials, or reinforced to carry its own weight, and all imposed loads. Combustible forms and centering shall be removed. The hearth shall extend at least 16 inches from the front of, and at least 8 inches beyond each side of the fireplace opening. For larger fireplaces, the hearth extension shall extend at least 20 inches in front of, and at least 12 inches beyond each side of, the fireplace opening.

Factory-built fireplaces and factory-built fireplace stoves shall be provided with hearth extensions as follows:

Hearth extensions of approved factory-built fireplaces and fireplace stoves shall be not less than 3/8-inch thick asbestos, concrete, hollow metal, stone, tile, or other approved

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noncombustible material. Such hearth extensions may be placed on the sub flooring, or finish flooring, whether the flooring is combustible or not. Except for fireplaces that open to the exterior of the building, the hearth slab shall be readily distinguishable from the surrounding or adjacent floor.

Imitation and other fireplaces not conforming to the other requirements of this section shall not exceed 6 inches in depth. Gas burning appliances may be installed in such nonconforming fireplaces, provided that compliance is made in accordance with the requirements of the local mechanical code presently in force.

Fireplace Dampers Ash Dump Doors

These items shall be installed in accordance with manufacturers' recommendations. The damper shall be of a type that effectively closes the flue passage. Clean out openings shall be provided at the base of every masonry chimney.

Cast Stone Step

New step units shall include precast or block stringers, stringer footings, and cast stone steps. New step units shall be as wide as the sidewalk, or at least 3 feet wide. For a total step height of 30 inches or less, the tread shall be a minimum of 11 inches and the riser shall be a maximum of 7 1/2 inches. For a total step height of more than 30 inches, the tread shall be a minimum of 12 inches, and the riser shall be a maximum of 6 inches. The rise and run shall be uniform throughout the flight. The steps shall be pitched for drainage. (See also step stringer footing).

Masonry Veneer

Brick ties, if strand wire, shall be not less in thickness than No. 6 U.S. gauge wire, and shall have a hook embedded in the mortar joint. If they are sheet metal, not less than No. 22 U.S. gauge corrugated. Each tie shall be spaced not more than: 24 inches on center horizontally; vertical intervals of 16 inches; and shall support not more than 3 1/4 square feet of wall area.

Veneer above openings shall be supported upon lintels of noncombustible materials, and the allowable span shall not exceed the values set forth within local building code standards.

The lintel shall have a length of bearing of not less than 4 inches. See local building codes for the proper sizes of lintels and any other requirements.

Block Foundation Walls

Install New: Walls shall be a minimum of 8 inches thick, and shall have poured-in-place concrete footings no less than 8 inches thick, that extend at least 42 inches below the finish grade. Block face shells shall provide a 1 1/2 inch wide mortar bed. The first course shall be set in a full mortar bed. The joints shall not exceed 3/4 inch, and shall be tooled smooth, except those on an exterior face being parged. The joint between wall and the footing shall be tight and have a cove of elastic caulking compound on the exterior side. Stack bond shall be laterally reinforced every second course.

Provide other reinforcement as necessary. Location of control joints shall be determined by the height of the wall. The top course shall be filled or capped with at least 4 inches of solid masonry, or wire mesh reinforced concrete, unless the sill plate bears on both inner and outer face shells. Anchor bolts shall be placed no more than 6 feet on center, and extend through sill and cap, and two filled courses. Walls shall be bonded or anchored to the existing and intersecting walls.

Porch and entrance slabs and areaways shall be anchored to the wall. All openings in the wall shall be covered with at least one coat of Portland Cement parging no less than 3/8 inch thick, and shall have at

least one coat of bituminous damp proofing material applied at the manufacturer's recommended rate, and a .6 mil plastic membrane, from the footing to the finish grade.

New 4 inch drain tile shall be properly placed at the perimeter of the footing and connected, as required by code, to a storm sewer system or natural outlet. Backfill material shall be an appropriate sand-gravel mixture for proper soil drainage. Where applicable, the top 4 inches shall be top soil suitable for plant growth. Replace sod or re-sod as necessary. When concrete will be placed over newly backfilled areas, backfill must be put down in nine-inch lifts and tamped.

Remove and Rebuild Brick Veneer Wall

Any landscaping within the work area shall be located elsewhere on the property until completion of job, unless instructed otherwise via work description, the Owner, or representative in writing. Precautions shall be taken to keep the landscape items alive and healthy. Any items damaged or dead through negligence shall be replaced with an item similar in type and size where possible. Remove all brick in area scheduled via work description, salvage and clean all whole and sound brick. Reinstall the brick in same pattern as existed. If replacement bricks are required they shall be similar to the existing, and be randomly placed throughout wall. Brickwork shall be installed in accordance with the requirements of the local building code and N.C.M.A.

Removal of Items in Brick/Block Wall

Items scheduled for removal (door, window, oil tank intake, coal chute, etc.) shall be removed completely. The areas shall be properly cleaned and dressed out. Brick/block material shall be toothed into existing wall. The interior section of the wall material to be used shall match existing surface materials. If the removal items are located below grade, the wall area shall be damp proofed, as necessary. Milkchutes and coal chutes may have butt joints at jambs.

Flashing

Refer to Division 07.650 for specifications and flashing details.

MISCELLANEOUS

Clean Masonry Fireplace

When scheduled, scrub the inside of all unpainted fireplaces with an acid bath. Clean all surfaces, brickwork, stonework, tile, etc.

Spark Arrestor

Spark arrestors, when specified, shall be constructed having an area not less than four times the net free area of the chimney it serves. The opening shall not permit the passage of spheres having a diameter up to 3/8 inch. The spark arrestor(s) shall be secured to the outside of the chimney flue extension by: a galvanized metal, or stainless steel band, and clamp operation, having a minimum width of 3/4 inch; or with the securing device(s) provided by the manufacturer. The arrestor shall be at least equivalent in durability to No. 14 gauge, and shall be galvanized after weaving.

04.120 TUCKPOINTING

Tuck-point all joints and cracks from which mortar has eroded, deteriorated, or fallen out. Remove all loose and disintegrating mortar from all defective joints to a minimum of 1/2 inch, or until a sound surface is reached. Clean out with water pressure. Tuck-point joints with a non-shrinking cement mortar the full depth of joint. Strike and tool the joint, and leave a reasonably clean finish. In all cases, the masonry shall be watertight and uniform in appearance. The color of the mortar used for tuck-pointing

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shall be similar to the existing mortar. Remove all excess mortar. Badly deteriorated or broken brick shall be replaced with similar brick. Contact the CDBG Rehab Specialist for the procedure on writing a contract change order.

04.150 MASONRY PORCH

Install New

New porch shall be built complete including: trench footings for the porch skirt and step stringers; a cast-in-place concrete deck slab of the size listed in the work description; an 8 inch block skirt wall supporting the edges of the deck slab; a pre-cast concrete step unit; and wrought iron railings on two sides of the steps and the open perimeter of the deck, when porch is more than 30 inches above grade and/or 4 risers. The trench footings, block skirt, cast-in-place concrete deck, and pre-cast concrete step unit shall conform to the previously mentioned standards for masonry and concrete construction. If the dwelling has a brick exterior, then a new masonry porch package shall be built with a brick veneer wall similar to the existing brickwork on the subject dwelling. Railings, when scheduled shall be a minimum of 36 inches in height.

Remove

Remove all evidence of the porch to a point at least 4 inches below the finish grade. The work shall be done with a minimum of damage to the main structure. Protect all wall openings until they can be enclosed. (See also General Instructions in the Debris Section). Backfill and grade as necessary. Exposed areas, now part of the yard, shall have 4 inches of top soil, and shall be seeded, when the weather conditions permit. (See Grading and Landscape section for further description).

05.000 METALS

Contents:

05.500 Wrought Iron

05.550 Window Guards

05.800 Awnings and Canopies

05.500 WROUGHT IRON

Install New

Handrails, guardrails, and columns shall be installed complete with all posts, rails, pickets, base plates, rail supports, etc. The posts shall be 1 inch square heavy gauge steel tubing, and the metal railing shall be wrought and cast iron, or as scheduled. Railings shall be single-welded construction welded to the posts. The railings shall be securely anchored to the porches, steps, retaining walls, etc. When installed on new concrete, posts, or post anchors shall be embedded into concrete. If the metal railing posts are not set in the concrete deck, additional support shall be provided every 4 feet. Guard rails, when installed, shall be no less than 36 inches in height. Columns shall have adjustable bases.

At least one handrail shall be provided for each flight of steps with a rise of 30 inches, or 3 risers. Open railings shall have intermediate rails, or an ornamental pattern such that a sphere 4 inches in diameter cannot pass through. Stairways wider than 36 inches require handrails on both sides. Steps exceeding 6 feet in width require an additional rail be provided equidistant from the sides.

The framing members, and supports shall safely support uniformly distributed live loads of 100 PSF plus all dead loads. Wrought iron bars, rods, and bolts shall coincide with ASTM A41; Plates-ASTM A42; Pipe-ASTM A72. Provide type and alloy of filler metal, and electrodes in compliance with the

recommendations of the producer of the metal, or aluminum to be welded, and as required for color match, strength, and compatibility. Provide toothed steel, or lead shield expansion bolt devices for drilled-in-place anchors. No fiber, or rawl plug type anchors are permitted.

Provide cadmium-coated anchors, and inserts for exterior installations. Comply with the requirements of the American Welding Society for welding materials, and procedures. Mill all joints to a tight hairline fit. Cope, or miter corner joints. Provide stock castings that are sound, and free of warp, or defects that impair strength, and appearance. Aluminum shall coincide with the following: Extruded shapes and tubes-ASTM B221, or B308; Bars, and rods ASTM B210; Castings-ASTM B26, or B108, alloy as required, Forgings-ASTM B247, alloy 6061-T6. Install all members accurately in location, alignment, and elevation, plumb, level, square, and true.

Where cutting, welding, and grinding are required for the fitting, and jointing of the members, restore the finish to eliminate any evidence of such corrective work. All new railings must have at least one coat of rust inhibitive, exterior enamel paint applied after installation is complete.

Repair

Where repair, and replacement of exposed items is involved, new materials shall be such to produce exposed finish sizes, shapes, textures, and colors to closely match the existing exposed surfaces. Repair, and replacement materials, and items shall become an integral part of the existing components. Align, weld, and anchor loose members; remove, and replace all existing defective parts, and members.

Replace missing parts. Provide welds without distortion; or discoloration on the exposed surfaces. Clean the exposed welded joints of welding flux, and dress the exposed, and contact surfaces. Note: The entire ornamental assembly including the repaired section shall be primed, and finish painted.

05.800 AWNINGS AND CANOPIES

Window and Door

When installing awnings or door canopies, if necessary, the contractor shall relocate the porch light to effectively light the intended areas. The awning shall be installed at such a height to allow free passage under the unit, be properly attached to the dwelling wall and securely anchored at its projection to prevent wind damage.

When there exist awnings, hardware, or framing and the installation of a new awning or removal of an existing awning is specified, the contractor shall remove the existing hardware and framing. The contractor shall repair all damage caused by the removal and fill all holes in the walls and deck with vinyl sealant for aluminum and asphalt surfaces, oil base wood filler for wood surfaces, and mortar for masonry and concrete surfaces. If not specifically specified, color of awnings and canopies shall be owners choice.

06.000 ROUGH AND FINISH CARPENTRY

Contents:

06.001 Rough Carpentry

06.100 Finish Carpentry

06.130 Cabinetry

06.200 Item Removal

06.001 ROUGH CARPENTRY

GENERAL INSTRUCTIONS

Rough Work

Rough work includes:

- The repair, or replacement of all framing members
- The repair, or replacement of all seriously damaged, or otherwise defective structural members
- Some cutting through joist, and other structural members to provide for new, or replacement plumbing stacks
- Drains, piping, duct work, etc.
- The framing of new walls, including sheathing, and insulation for exterior walls
- The installation of new access panels, or doors to crawl spaces, attic spaces, and bathtub plumbing
- The repair, or the building of new wood porches, including framing, columns, deck, ceiling, railings, skirt, and steps
- The rebuilding of stairways
- The repair, or installation of folding stairs
- The repair, replacement, or installation of miscellaneous metal items

Framing Lumber

All softwood framing lumber shall be at least standard, or No. 2 grade. Framing lumber used for exterior walls, and interior partitions, shall be the same grade. Economy studs can be used for non-bearing framing members, if a plumb condition can be maintained.

Framing lumber of any softwood species may be used, provided the members have sufficient strength, and rigidity to support the design loads, and be suitable for the attachment of wall finishing materials.

Framing lumber for girders, beams, posts, columns, and other structural members, shall be of species, and grade, which will provide sufficient strength, and rigidity to support the design load, without exceeding the allowable stresses consistent with good engineering practice. All framing lumber shall be identified by the grade mark of a recognized grading association. The moisture content of the lumber shall not exceed 19% at the time of installation. New lumber in contact with masonry shall be pressure treated. All framing members shall be accurately fitted, and, securely connected to each other.

Board Lumber

The grade of board lumber shall be suitable for its intended use. In general, loose knots, or knot holes shall not exceed 1/3 of the width of the piece. Splits are unacceptable. Boards with defects may be used, if the defects are sawn out. The lumber shall bear the label of a recognized grading association. The moisture content shall not be above normally accepted standards.

Plywood

Plywood shall be Pine, and shall bear the label of a recognized grading association, showing the grade, and type. The grade, and type shall be suitable for its intended use.

Sheathing Paper

Sheathing paper shall be a vegetable fiber building paper (waterproofed, water repellent, and fire resistant) grade C or D.

Rough hardware

Rough hardware shall be of stock manufacturer, and good quality.

Wood Porches

New wood porches shall be built complete, including: joists, 5/4 inch T & G wood deck, 2 x 4 railings, and 3-foot wide steps (treads 5/4 inch thick). The treads, and deck shall be yellow pine. The size, and number of the joists, shall be as required for the size of the porch, as listed in the Work Description. Step and porch rails, are required on porches over 30 inches high, or more than 3 risers. Steps that are over 36 inches wide are required to have 2 handrails, one on each side.

All railings shall be a minimum of 36 inches in height. Porches shall be built on new footings unless existing footings can be shown to be sound and of proper depth.

Screened Openings for Crawl Spaces

Houses built over crawl areas, shall be properly ventilated. Provide no less than 1 1/2 square feet of net area for each 25 lineal feet of foundation wall. The openings shall be screened with 1/4 inch corrosion resistant wire mesh screening, and properly trimmed out.

Metal, nail on type louvers, are not acceptable. (See the paragraph on louvers, for further information on proceeding pages). Pre-manufactured crawl space vents may be used with prior approval from CDBG Rehabilitation Specialist.

Vapor Barriers

A chemical pest control treatment shall be done prior to the installation of the vapor barrier. All debris shall be removed from the crawl space, and the ground shall be reasonably level. The vapor barrier shall be 4 mil (minimum) polyethylene film, properly weighted, approximately every 8 feet. It shall cover the entire area, to prevent moisture rising into the framing.

Exterior Wall Sheathing

New exterior wall sheathing shall be 1/2 inch, CDX Plywood, O.S.B., or Insulated Sheathing. Sheathing shall be covered with a single membrane house wrap, (Tyvek, or approved equal).

Deck Sheathing

(See the description of Sheathing in the Roofing section).

Protective Ledge

When scheduled to be installed, a wood sub floor extending 6 feet in all directions, around the attic scuttle holes, or folding stair opening, shall serve as a protective ledge. The plywood shall be: 1/2 inch thick over joists 16 inches on center, 5/8 inch thick over joists 20 inches on center and 3/4 inch thick over joists 24 inches on center. Wood boards shall not be less than 3/4 inch thick, T & G, ship lapped, or square edge.

Sub flooring

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(See the description of Sub flooring in the Floor Finishes section). Division 09.500.

Lintels, Beams, and Girders

Properly support the joists while removing the defective beam and install a new steel I-beam. The size shall be adequate to bear the loads placed on it. The beam shall not be shimmed more than 1 5/8 inches. Wood shims are unacceptable. The bearing on the walls shall be as required to distribute the loads, but not less than 4 inches. Bearing plates, at least 1/4 inch thick shall be installed where beams, or girders rest on masonry. (Any, and all-existing wood shims shall be removed). Bed the bearing plate in Portland cement mortar. The bearing plate may be omitted under wide flange beams. All connections shall be riveted, bolted, or welded.

Cast Iron Stanchions, and Wood Stanchions, or Columns

All new stanchions, whether wood, steel, or cast iron, shall have footings. Columns supporting wood beams, or girders shall have a suitable column cap installed. Columns supporting steel beams, or girders may be welded, bolted, or riveted to the beam, or have a column. cap. The column cap shall be anchored to the beam. A column base of steel, or cast iron shall be installed.

The base shall be anchored by bolts, or be imbedded in concrete at least 2 inches. The size of the new column shall be adequate to bear the loads placed on it. All stanchions must be non adjustable unless otherwise scheduled.

Refuse Container

A refuse container shall be a watertight container that is constructed of metal, or other durable material, impervious to rodents, that is capable of being serviced without creating unsanitary conditions, or such other containers as have been approved by the appropriate authority. Openings into the container, such as covers, and doors, shall be tight fitting. The capacity of container shall be sufficient to meet the needs of the occupants of the dwellings. Refuse containers are required for three, or more dwelling units.

Louvers

Louvers, when scheduled to be installed for crawl space ventilation, shall not be installed in an access panel. All such openings, shall be screened with 8 x 8 anodized aluminum screening. Louvers shall be cast alloy, and equipped with a tight fitting closure operable from the outside. Louvers made of high density UV stabilized polyethylene may be substituted.

Rodent Proof Screen

Install No. 16 U.S. gauge expanded metal, or wire mesh screens, with no more than 1/2 inch mesh opening. Corrosion resistive shields (of not less than No. 22 gauge perforated steel sheets, or No. 20 B & G gauge aluminum) may be used in place of the screens.

Frame False Ceiling

A new false ceiling shall be set to a height no lower than 7 feet 6 inches, or as otherwise noted in the Work Description. The installation and materials shall conform to F.H.A. standards, and the local building code.

End Wall

New end walls shall be constructed of standard 2 x 4 framing from the floor to the ceiling. A new access panel shall be included when the end wall contains plumbing for a tub, or shower. (Also see Access Panel description in section 06.100). Larger dimension framing material is acceptable.

Bulkhead (Dwarf Partition)

A new bulkhead shall be a minimum of 30 inches in height, and constructed of standard 2 x 4 framing. A new access panel shall be included when the bulkhead contains plumbing for the tub. (See also Access Panel in section 06.100).

06.100 FINISH CARPENTRY

GENERAL INSTRUCTIONS

Finish Work

Finish work includes: the repair, replacement, or installation of all finish trim, both exterior, and interior; the repair, or installation of wood paneling; the repair, or installation of waterproof material on the walls; the repair, or installation of acoustic, and suspended ceilings; the repair, or replacement of hardwood, and soft-wood flooring (including the re-nailing, and leveling of all finish floors); the repair of hardwood, and soft-wood stairs, the repair, or installation of shelving, clothes poles, and hook strips for closets; the repair of built-in cabinet work; the repair, or installation of kitchen cabinets, and countertops; the repair, or installation of handrails, railings, and banisters; and the installation of new medicine cabinets, and miscellaneous bathroom accessories.

Finish Lumber

All finish lumber shall be dressed, free of tool marks, and other defects. Lumber for exterior trim, and mill-work shall be kiln dried, or otherwise seasoned. The moisture content shall not be above normally accepted standards. All wood for interior wood trim, shall be thoroughly kiln dried to withstand dry artificial heat. It shall not be installed until all plaster is thoroughly dried out. Exterior wood trim, and mill-work shall be at least No. 1 or better, except that casing for doors, and windows shall be clear Fir. New wood for interior trim shall be similar to the existing in shape, size, and species. Where scheduled, or approved prior to the installation, clear Fir may be substituted.

Wood Trim, and Mill-Work

Within the limits of good practice, new trim and mill-work shall be delivered to the site ready to be put in place. Moldings shall be clean cut, and sharp. Single lengths of wood shall be used whenever practical. Splicing, or piecing of finish work, shall be done with mitered joints, over solid backing. Finger jointed material is unacceptable for natural finish wood trim. Tooled material shall be planed, and/or sanded smooth.

The woodwork shall be: installed level, and plumb; be scribed neatly to the walls; and be secured firmly in place with finish nails. Exposed nails used in the fabrication, and installation, shall be finishing, or casing nails, set 1/8 inch deep, then filled. The scribing, mitering, and joining shall be: accurately, and neatly performed; and the joints shall be properly secured to prevent separation.

External corners shall be mitered, and inside comers shall be coped. Protect the finish woodwork until the time for painting. Exterior wood trim, which cannot be repaired by simple re-nailing, shall be replaced. Existing interior trim, which is broken, splintered, cracked, chipped, warped or otherwise defective, shall be replaced with new material. All new wood installed, shall be sealed, and finished.

Handrails - Guard Rails (Railings)

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New or Repair: Restore the existing railing, per the Work Description. The material and design of the rail shall be a practical match for the existing installation. At least one handrail, the full length of the flight of stairs, shall be provided for each interior stairway with a total rise of more than 30 inches, or 3 risers. Secure the handrail to the wall with metal brackets. Use: hollow wall screws anchored in the plaster, or drywall; wood screws where there is a stud; and wood screws for the handrails. The handrails shall be installed no less than 30 inches, nor more than 34 inches, measured vertically, above the nosing of the treads.

They shall extend 8 inches beyond the top and bottom step, if a guard or a wall exists. Interior stairways, open on both sides, require handrails to be installed on both sides. The handrails shall be designed and attached to withstand an applied load of two hundred (200) pounds in any direction, and at any point. All handrails installed in multifamily housing units, shall utilize heavy duty type brackets (common areas only) installed as per manufacturer's instructions. The handrails shall have a space of not less than 1 1/2 inches between the wall and the handrail. The handrail dimensions shall be not less than 1 1/4 inches, nor more than 2 inches in cross section, and shall have a smooth surface, with no sharp corners.

Porches, balconies, or raised floor surfaces more than 30 inches above a floor or grade, shall have guard rails not less than 36 inches in height. Open railings shall have intermediate rails or an ornamental pattern such that a sphere 4 inches in diameter cannot pass through. Exterior railings shall be constructed of not less than 2 inch stock. Horizontal surfaces shall have an ample wash. Balusters shall be fitted to the bottom rail, and toe-nailed in place.

Handrails shall be provided on both sides of every ramp having a slope greater than one in fifteen, and they shall be not less than 30 inches, nor more than 34 inches in height, measured from the surface of the ramp. Handrails shall be smooth, and shall extend one foot beyond the top and bottom of the ramp, and return to the walls or a post at the ends. Stairways wider than 36 inches, require a handrail on both sides. Steps wider than 6 feet, require that an additional rail shall be provided equidistant from the sides. Apply paint, varnish, or stain according to the instructions in the painting section of this manual.

Rebuilding Wood Stairways

When rebuilding wood stairways, all treads, risers, and stringers shall be new wood. New treads shall be fir, or 5/4-inch pine, depending on the stairway construction.

Basement Stairs (Open Type)

All new stair treads shall be a minimum of 9 1/2 inches wide. New treads shall be 1 1/2" fir, or 1 1/2" pine. All stringers are to be constructed of 2 x 12's. The material used shall be the same as for the step treads. The treads shall be routed, or rabbeted to a depth of 1/2 inch into the stringers. No cleats shall be utilized. The rise and run of the steps shall be uniform throughout.

Closed Stairs

When steps with a riser are specified, the treads shall be of 5/4" x 10" No. 1 dressed fir stock. The risers shall be of 1" stock, and stringers of 2" stock. The rise and run of the steps shall be uniform throughout. The maximum rise shall be 8-1/4". The stairway shall be primed, and painted with an approved paint. All stair treads shall have a 24" nonskid rubber tread cover.

Milk Chute

Secure: Metal doors shall have all hardware removed and secured with a minimum of two large sheet metal screws. The screws shall be set into the upper and lower corners opposite the hinged area. The screws shall be of sufficient length to penetrate the door and liner a minimum of 1/2 inch. The screw heads shall be defaced to prevent their removal.

Wood milk chute doors shall be secured by toe nailing the upper and lower corners opposite of the hinged edge of the door to a piece of 2 x 4 placed inside of the liner. The piece of lumber shall be equal in length to the height of the chute liner. Any and all hardware shall be removed from the milk chute assembly prior to securing.

Clothes Chute Door

Repair/Replace: Refit the laundry chute door, as necessary, to eliminate binding of the edges. Repair the door to a sound condition, as well as the surrounding trim. Replace any damaged, defective, or missing hardware. All metal doors shall have a spring attached, of sufficient strength, to meet the requirements of the local fire code.

New metal assemblies shall be of a door, or trap design. The finish shall be either: baked enamel; or chrome plate applied to 20 gauge steel. The installation shall be as per the manufacturer's instructions. Wood doors shall be at least 3/8 inch interior grade plywood, cut to the proper size. The finish hardware shall have a brass, or aluminum finish.

Eave Space Access Door

The plywood door shall be A-D interior type, 1/2 inch thick, 22 inches by 42 inches (minimum). The unit shall be complete with: jamb; header; side framing; stops; casing; and threshold (if required). The hardware shall consist of: a minimum of: 2 hinges with casement type handle, and have a built-in pull. The hardware finish shall be brass, or aluminum.

Ceiling Access Panel

The plywood door shall be A-D type interior 3/8 inch thick, 22 inches by 30 inches (minimum). The panel shall have beveled edges, and be the lay-in type. The rough opening, shall be enclosed to totally support the combination finish trim, and panel support. The finish trim shall have mitered corners, and be similar to the door casing.

Crawl Space Access Door

The plywood shall be a minimum of 18 inches by 24 inches, 3/4 inch thick. The floor joist system shall be altered, and the rough opening formed complete, with header, and a minimum of 4 metal corner braces utilized. The door shall be hinged to open towards the nearest wall, and be complete with 2 hinges, and a recessed lift tab.

Exterior access doors shall have the opening rough framed to accommodate a 3/4 inch plywood door, 18 inches by 24 inches (minimum). The door shall be complete with: 2 hinges; and a casement type handle, having built-in pull, or swivel staple type hasp, with lock. The finish hardware shall be brass, or aluminum.

Plumbing Access Panel and/or Door

The plywood shall be A-D type interior, 3/8 inch thick, 16 inches by 20 inches (minimum). The rough opening shall be formed to totally support the panel, complete with top and bottom plate. The panel may be hinged, or screwed in place. Screw type shall include: 4 screws; grommet or "French Head" washers; and recessed lift tab. The hinged type shall consist of: 2 hinges; and a casement type handle, with built in pull. All openings shall be cased out, and the millwork shall have mitered joints.

Note: When a furnace and/or water heater are located in the attic, the minimum size access opening shall be 30 inches by 30 inches. Folding stairs may be substituted.

Closet Shelving

New shelving shall be: 3/4 inch #2 Pine, or 3/4 inch A-B interior plywood (exposed edge faces shall have solid wood edge material applied). Particle board shall not be used. Each shelf shall be supported on a continuous wood cleat at the walls. Where hook strips occur under a bottom shelf, the shelf may be supported on the hook strip. (The wood cleat shall be 1 x 3 dimension).

The shelving shall be securely braced against warping and sagging, and be scribed to the adjacent construction. Provide intermediate supports for shelving spanning more than 4 feet, with supports evenly spaced a maximum of 4 feet on center.

Closet Rod - Closet Shelf

The new shelf shall be: 1 inch by 12 inch (nominal dimension) pine, or 3/4 inch by 12 inch plywood with edge molding. (For further information see the above paragraph). The rod shall be wood, or finished metal. Provide intermediate supports for rods, and shelving spanning more than 4 feet, with supports a maximum of 4 feet on center. When both are scheduled, the new closet rod and shelf may be a combination metal shelf with hanger edge. Rods shall be capable of sustaining the maximum expected loads, without sagging.

House Numbers

When specified, provide a clear white pine board approximately 20 inches, by 7 inches, by 1 inch nominal thickness. Dress the edges, sand smooth, prime and paint with two coats of exterior house paint to match existing trim of the house. Provide numbers 3 inches high, by 1/4 inch thick of: 11 gauge galvanized steel; plastic; or aluminum, evenly spaced on the finished board.

Mount the board to the front exterior wall of house in a suitable location which then can be read from the street, or sidewalk, at the Owners selection. Use "A & J", or other appropriate anchoring inserts for masonry, or stucco houses. Mount with wood screws, for frame houses. The numbers shall not be applied with adhesive, or staples.

At rural locations, the numbers may be a decal design type applied to the rural mail box. The numbers may also be mounted atop the box, in accordance with the Federal postal regulations.

Mail Box

Metal mailbox shall have an overall size of 17 inches, by 7 1/4 inches high (maximum). The body of box shall be of 25-gauge steel, or better. The entire unit shall be factory finished, baked enamel inside and out. The unit shall be surface mounted type, with a magazine hanger. Install the box according to manufacturer's instructions.

Rural type mailboxes shall be of metal, or aluminum material. The size shall be a standard design acceptable to Federal postal regulations. It shall be mounted on a 4 x 4 column, or other designed column recommended by the manufacturer, and set into a concrete footing.

Acoustical Tile Ceiling

Repair: Replacement tile for the repair of acoustical tile ceilings shall be similar to the existing. Furring strips shall be repaired, or replaced, as necessary. If the replacement tile cannot be matched to the existing due to discoloration, or any other reason, any change to the Work Description shall be approved by the Owner, and the CDBG Rehab Specialist. Replace the tile in a logical pattern.

Install New: A border layout shall insure that tiles for parallel edge rows are approximately the same width. Install 1 x 3 kiln-dried soft-wood, construction grade, furring strips. Attach the tile with staples, nails, or adhesive (ASTM C1779, type recommended by the adhesive manufacturer for the type of substrate involved). Other fasteners may be used, as recommended by the tile manufacturer, for condition of use.

The tile shall be a wet felted process mineral board, or hardwood fiberboard. The size shall be 12 x 12; 12 x 24; or 16 x 16 inches. The joints shall be bevel edge for adhesive application, or tongue and groove edge for staple, or nailing. The sound absorption shall be in the 40-55 NRC specification range. The finish shall be a vinyl latex coating, with a Class .A light reflectance. It shall have a flame spread, of FS SS-S-118a, Class 75, AIMA Class II.

Suspended Ceiling

Repair: Replacement panels for the repair of suspended ceilings shall be similar to the existing. The grid system components shall be repaired, or replaced as necessary. Repair, or replace the hanger wires, as required. Replacement wires shall be a minimum of 12-gauge galvanized steel.

Install New: A border layout shall insure that tiles for parallel edge rows are approximately the same width. Install the grid system components, according to the manufacturer's recommendations.

The system shall consist of ASTM C635 light-duty steel main runners, cross runners, and a minimum of 12 gauge galvanized hanger wires. The finish on exposed members, shall be baked enamel. The grid system may also be anodized, extruded aluminum 6063-T5. Aluminum shall be factory enameled finish. Panel sizes shall be 24 x 24, or 24 x 48 inches, 5/8 inch thick, with a straight edge.

The sound absorption shall be in the 50-65 NRC specification range. The finish shall be a calendared, abuse resistant surface, with a Class A, AIMA Class I. Cut panels to fit closely around all penetrations. The end product shall be installed level, and true.

Interior Trim (General)

Repair or Replace: All interior trim materials shall be restored, or replaced, as scheduled. Surface defects shall be filled, or reworked. Sections of trim that are not repairable, shall be replaced with new, similar material. In all cases, the trim materials must be similar throughout the room. Where drywall is being installed over an existing surface or wall, the existing trim- work shall be removed, and retained.

Upon the completion of the drywall installation, all trim shall be reinstalled, with filler strips to conceal drywall edge. Any damaged, distorted, or missing trim shall be replaced, as necessary.

Shoe Molding

Shoe molding shall be new, clear white pine, trim molding. Finger jointed material is unacceptable for natural finished wood trim. The size of the molding shall be the standard dimension, as recognized by the lumber industry. In certain cases, larger size moldings shall be used to properly cover any exposed gaps.

Miter trim and/or cope all required joints. Miter all splices with a 45 degree cut, providing a flush fit between mating surfaces. Adequately nail the new trim in place with finishing nails. Set, and putty all nail heads, touch sand to a smooth surface.

Bathtub Door Enclosure - Shower Stall Door Enclosure

The new enclosure shall be double-slide type. The frame or top channel, jamb channels, and water-stop, shall be anodized aluminum.

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Sliding panels, of a tub enclosure, and shower door assemblies shall be fully tempered, laminated safety glass, or approved plastic. When glass is used, it shall have a minimum thickness of not less than 1/8 inch when fully tempered, or 1/4 inch when laminated, and shall pass the test requirements of the local building code standards. Plastics used in doors and panels of sliding panels, shall have one towel bar

The assemblies shall fit watertight. The tub enclosure unit shall contain: a sliding door unit with adjustable sealed ball-bearing rollers; self-draining tub strip; T-lock jamb-to-head connections; and vinyl door bumpers. Shower stall door units shall be a hinged unit with: a full-length piano hinge; self-draining strip; and vinyl door bumpers. Assemblies shall be installed plumb, level, and adjusted to operate freely. Use jamb and tub filler where an out of square condition exists. Bed the strips into a waterproof mastic. Attach the unit securely to structure with plugs and screws. Tighten all hardware, and adjust for smooth operation.

Window Shades

New or replacement shades, when specified, shall be triple laminate vinyl, semi-opaque, and ivory in color. The length shall be sufficient to cover the entire opening. The shade shall be installed complete with: rollers; slats; brackets; screws; and raiser ring pulls. Use wood or metal rollers only.

Metal Window Well

Wells shall be fabricated from 16 gauge galvanized copper bearing steel, with damp proofing on the exterior face, installed 2 inches, or less, above the new grade level. If covers are required, they shall be fabricated from 3/4 inch, by 1/4 inch welded steel bars, spaced 2 inches on center, with a 1 inch by, 1/4 inch frame, then hot dipped galvanized after fabrication.

06.130 CABINETRY

GENERAL INSTRUCTION

All new cabinets must meet the minimum standards of the Kitchen Cabinet Manufacturer Association (K.C.M.A). The Contractor shall verify, in the field, all cabinet and countertop dimensions listed in the Work Description. Should new cabinets adjoin existing cabinets, the new cabinets shall match the existing in general construction, style, and appearance (finish). Both wall, and base cabinet assemblies, shall be pre-finished individual units joined into continuous sections.

All units shall be fully enclosed with backs, bottoms, and panels including tops for wall cabinets. All doors, stiles, and rails shall be solid wood construction. Face frames, when used, shall be of the thickness necessary to provide rigid construction. Corner, and lineal bracing, shall be provided, as necessary, to insure rigidity, and the proper joining of the components. Fixed shelves shall be: recessed into grooves in the ends, and in the front and backs; or be supported by cleats all around. Adjustable shelves shall be supported at the ends, midway at the rear of the shelf, and at the front of the shelf (if the cabinet contains a front vertical brace).

Base cabinets, if designed to rest directly on the floor, shall provide a toe space at least 2 inches deep, and 3 inches in height. A shoe molding shall be placed over the joint between the toe space and the floor, vinyl base can be used. All exposed construction joints shall be fitted in a workmanlike manner: nails set; and holes filled, and properly sealed; and finished around all plumbing, and electrical penetrations.

Swinging doors shall have a device sufficient to hold the doors closed. The device may be: spring catch; magnetic catch; self closing hinges; or equivalent. The doors shall be properly aligned, and operate freely. The cabinet finish shall be clean, and free from scratches and other defects. All inside wood surfaces shall be finished, or sealed. Cabinet units shall be installed level, plumb, and true to line. They shall be fastened to suitable grounds, as per the manufacturer's instructions.

New upper cabinets shall be attached with wood screws. Nailing these cabinets to the wall is not acceptable. Use closer, filler strips, and finish moldings, provided by cabinet manufacturer to match cabinet finish, for sanitary and appearance purposes. The upper cabinets shall be set: 16-18 inches above the countertop; and 24 inches at the sink. At the range space, there shall be: a 30-inch clearance to bottom of the upper cabinets; or 24 inches to bottom of the range hood. Cabinets at the refrigerator space, shall be set to clear a standard model refrigerator.

Turning corners shall be accomplished with a "blind live corner" base cabinet, or "lazy susan" base cabinet, as indicated in the specifications. Upper corner cabinets, shall be diagonal corner type, with adjustable shelves. Wall cabinets over a range space, shall be 18 inches high, over a refrigerator space shall be 12 inches high, and all other areas with wall cabinets shall be a minimum of 30 inches high. Any clarification of, or variation from the Work Description or drawings, shall be verified with the Owner and the **CDBG Rehab Specialist**, with written confirmation.

KCMA Requirements for Cabinets

All cabinets must be fully enclosed with backs, bottoms, sides, and tops on wall cabinets; and backs, bottoms, and sides on base cabinets, with certain specified exceptions on kitchen sink fronts, sink bases, oven cabinets, and refrigerator cabinets.

All cabinets designed to rest on the floor must be provided with a toe space at least two inches deep and three inches high.

All utility cabinets must meet the same construction requirements as base and wall cabinets.

Doors must be properly aligned, have means of closure, and close without excessive binding or looseness.

All materials must ensure rigidity in compliance with performance standards.

Face frames, when used, must provide rigid construction.

For frameless cabinets, the ends, tops/bottoms, and back shall be of thickness necessary to provide rigid construction.

Corner or lineal bracing must be provided at points where necessary to ensure rigidity and proper joining of various components.

All wood parts must be dried to a moisture content of 10 percent or less at time of fabrication.

All materials used in cabinets must be suitable for use in the kitchen and bath environment where they may be exposed to grease, solvents, water, detergent, steam and other substances usually found in these rooms.

All exposed plywood and composition board edges must be filled and sanded, edge-banded, or otherwise finished to ensure compliance with the performance standards.

All exterior exposed parts of cabinets must have nails and staples set and holes filled.

All exposed construction joints must be fitted in a workman-like manner consistent with specifications.

Exposed cabinet hardware must comply with Builders Hardware Manufacturing Association finishing standards.

Plastic Laminate Countertop

The top material shall be: high pressure plastic laminate; at least 1/16 inch thick; securely bonded to the base material. Countertops made on the job, shall use exterior marine plywood for the base material. Provide 1 1/2 inch front edges, and, unless otherwise indicated, 4 inch backsplash and end splashes. The color and pattern, unless otherwise specified, shall be left to the discretion of the Owner pending CDBG

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Rehab Specialist and Code Inspector approval. Should new countertop adjoin an existing countertop, the new material shall be similar to the existing.

When scheduled, the countertop may be post-formed with a rolled edge. The front edge shall be approximately 1 1/2 inch thick.

Custom made countertops, without rolled edges, are acceptable. The laminate shall be 1/16", or .0625 inch thick. They shall include 4 inch backsplash and end splashes. When scheduled, a full backsplash shall be constructed using 5/8" high density particle board covered with plastic laminate on all exposed surfaces.

Bath Accessories

New/Replace: A new accessory package shall include; tub or shower recessed soap holder; toilet tissue holder; two (2) 24 inch towel bars (one located directly in the tub or shower area); one lavatory soap holder with drain hole; lavatory glass and toothbrush holder; and shower curtain rod for the bathtub or shower. Adhesives shall be waterproof type. Caulk around the bathtub soap holder with silicone sealant. All bathroom accessories shall be polished chrome finish.

The base metal for the chrome, shall be brass. Plastic base material is unacceptable. Ceramic accessories may be used, if scheduled, or to match the existing. Bath accessories shall be installed on drywall material, or surface materials with similar strength and makeup, with added anchoring devices. (This shall include plastic anchors, toggle bolts, mollies, wood anchors, etc.). Areas offering unsound anchoring for the bath accessories, shall utilize additional reinforcement at the anchoring points.

Re-anchor: When scheduled to be re-anchored, loose or hanging bath accessories, including: towel bars; soap dishes; toilet tissue holder; and miscellaneous hooks and hangers, shall be removed, cleaned, and re-fastened to the wall in their original location, or, if applicable, in a new and more appropriate location. Areas to be resecured, shall be repaired to a sound condition prior to re-attachment. Should the fixtures be relocated to another area, the old positions shall be repaired to a sound condition, ready for finish coat application. The means of fastening shall be as per manufacturer's recommendations. Additional anchoring devices may be utilized.

Medicine Cabinet

Install New: New medicine cabinets, when specified, shall be the recessed type, unless otherwise indicated, and shall be installed with screws only. The front of the cabinet shall be a stainless steel framed, plate glass mirror. The cabinet shall have a minimum of two (2)

adjustable shelves. The door shall have a piano type hinge, and a door stop. The cabinet shall be no smaller than 16 inches by 20 inches. The finish shall: be baked enamel finish on 20 gauge steel seamless box; or vinyl. Whenever possible, the new cabinet shall be located on the wall directly above the lavatory sink.

Surface mounted medicine cabinets, when specified, shall include plate glass mirror door(s) with two adjustable shelves. The size of the replacement unit shall be: a minimum of 16 inches by 20 inches; or equal to the unit being replaced. The finish shall be: baked enamel on 20 gauge steel seamless box; or vinyl.

Re-anchor: When scheduled to be re-anchored, loose or hanging medicine cabinets (either flush, surface, or recessed type) shall be removed, cleaned, and re-fastened in their original location or, if applicable, in a more desirable, new location. The cabinet shall be reinstalled complete with frame, doors, mirrors, hardware, lights (if existing), miscellaneous trim, etc. Any parts incidental to the proper functioning of the cabinet, which are damaged in the process of

removal and re-fastening, shall be replaced by the Contractor. The means of re-fastening shall be appropriate for the mounting surface. Repair the opening and the wall, as required for a neat finished appearance. The anchoring areas shall be repaired to a sound condition prior to the reinstallation. Additional anchoring devices may be utilized, where required.

Repair Wood Medicine Cabinet

Refit the medicine cabinet door, as necessary to eliminate binding of the edges. Repair the door, as well as the surrounding trim, to a sound condition. Replace all damaged, defective, and missing hardware.

Medicine Cabinet Shelves

Medicine cabinet shelves shall be replaced, as necessary, with shelves which match the style of the cabinet or prior existing shelves. When replacing glass shelves, the edges shall be rounded to prevent injuries. Where possible, install glass shelves with a front bulb edge. The shelves shall be adequately supported. Any damaged, or missing support clips shall be replaced with new.

Cabinet Hardware

Hardware to be replaced shall include the various knobs, catches, drawer slides and/or guides, drawer rollers, etc. for built-in cabinet work. When scheduled to be installed, any of the above found worn, defective, or missing shall be replaced. The new hardware shall have a brass or aluminum finish. All miscellaneous hardware within a room shall be similar in style, and finish.

Mixing painted with unpainted hardware is unacceptable. When set(s) of hardware are specified, all hardware on cabinets within the room shall be replaced with new. (This shall be a minimum of pulls, catches, and hinges. All other defective pieces shall also be repaired and/or replaced, as necessary).

Kitchen Cabinet Hardware

When scheduled to be replaced, missing or defective hardware shall be replaced to match existing. However, if the hardware cannot be matched, then all finger pulls, knobs, catches, etc. shall be replaced. All kitchen cabinet hardware shall match, with the same style and finish. New hardware shall have a brass or aluminum finish. When a set of hardware is specified in the Work Schedule, any and all hardware on cabinets within the room shall be replaced.

Repair and/or Realign Cabinet Doors

Doors shall be properly aligned, and they shall operate freely. Drawer guides, or slides shall be repaired, or replaced, as necessary, so the drawer will slide, or roll easily. Whenever possible, use center guides to eliminate lateral wobble. Doors with loose hinge screws shall be removed, and the holes repaired with wood, or plastic filler for proper screw anchoring. The drawers shall be repaired to a sound condition.

Defective drawer bottoms shall be replaced, when necessary. Plastic tray portions of drawers shall be repaired, where possible. Shelving missing supports, or cleats, shall be repaired to eliminate the sagging condition. If necessary, replace the existing shelf with new.

Kitchen Cabinet Shelving - Doors - Drawers

When damaged, or missing shelving, drawers, or doors are scheduled to be replaced, the new shelving, drawers, or doors shall match the existing in style and finish. New doors, and drawers shall include all hardware, guides, slides, hinges, etc. incidental to their operation. New shelving shall also comply with the shelving specifications listed above. Existing shelving and/or drawers posing a health hazard, shall be repaired and/or replaced, as necessary. All bottom areas directly under the sink shall contain shelving in a sound condition.

06.200 ITEM REMOVAL

WHEN ITEMS ARE TO BE REMOVED THEY SHALL BE REMOVED WITH A MINIMUM AMOUNT OF DAMAGE TO THE SURROUNDING SURFACES. See also "General Instructions" for DEBRIS, Section 02.100

Exterior Entrance Doors and Windows (frame construction only):

After removing the doors, or windows, and their assemblies, the remaining opening shall be framed and filled with 4 inches of building insulation. Sheath the exterior side of the walls. Install the final surface material, as listed in the Work Schedule.

Stud Wall Partitions

When bearing walls are removed, proper size headers shall be installed. Additional columns, braces, and/or supports, shall be installed, as required.

Heat Transfer (Interior Floor or Ceiling)

After removing registers, or grates, the remaining opening shall be filled with the proper insulation, and covered with plaster, drywall, floor covering, etc., as necessary.

Remove Door and Re-trim Archway

All door stops, pivots, closures, striker plates, butt hinges, nails, and screws shall be removed. On closer removal, repair the floor, as necessary. Fill all holes, Sand and feather the edge area for the final application of paint, varnish, or stain.

07.000 THERMAL AND MOISTURE PROTECTION

Contents:

07.100 Built-up Roofing

07.200 Carlisle Roofing Systems

07.400 Metal Decking

07.500 Shingle Roofing

07.510 Gutters, Downspouts

07.600 Siding

07.650 Caulking and Flashing

07.800 Insulation

07.900 Foundation Damp proofing

07.100 BUILT-UP ROOFING

GENERAL INSTRUCTIONS

Where roof drains occur in built-up roofing, the roofing (for a distance of approximately 18 inches in all directions from the drain) shall be pitched towards the drain. The pitch shall be uniform. The Contractor shall repair the roof drains, as necessary.

Install New

For installation over a wood deck: Spot mop the base sheet (60 pound fiberglass base felt) to the deck; solid mop with 15-20 pound asphalt; Then embed 3 layers of 15 pound felt, mopping between layers with

15-20 pound asphalt. For installations over a concrete deck, four plies of 15 pound roofing felt shall be mopped down, and mopped together.

Flood coat the surface with 60 pound asphalt, and apply 400 pounds of gravel , per 100 square feet, if scheduled. Lap the plies, and nail the layers of felt, as per the manufacturer's recommendations. The layers shall be: turned up, and mopped to any cant strips; and trimmed at all vertical walls. Gravel stops shall be properly secured, and lapped. The sections shall be sealed with plastic roofing cement. New built-up roofing may also be applied using a cotton, or fiberglass cloth membrane. The materials shall be as follows:

- Primer-ASTM D41
- Asphalt for low slope-ASTM D312, Type II
- Steep slope-ASTM D312, Type III
- Special steep slope-ASTM D312, Type IV
- Coal tar pitch-ASTM D450, Type A
- Asphalt base emulsion-ASTM D1227, Type I
- Asphalt saturated organic felt, 15#, ASTM D226, 15# plain
- Asphalt saturated organic felt, 30#, ASTM D226; 30# ASTM D226, 30# plain
- Base sheeting: Asphalt saturated, and coated organic felt
- 43#, ASTM D2626
- Cap sheet, Asphalt roll roofing 90#, ASTM D249
- Sheathing paper, Rosin-sized, 5 lbs. per 100 square feet

Repair

Remove the aggregate over all wrinkles, buckles, blisters, areas containing moisture, and areas with leaks. Cut, and seal the blisters, and patch the defective areas with two additional plies of No. 15 felt and bitumen, and apply a flood coat of bitumen, with an aggregate surface coat. Apply a flood coat, and an aggregate surface to all exposed felts. Apply bitumen, and new aggregate on all bare spots.

Replace all composition flashing with new composition flashing. Do not spot repair. Repair, or replace the metal flashing, then strip in with two layers of mopped felts. The repair work shall become an integral part of the existing roofing system. Where repair, replacement, or installation of associated composition flashing is involved, furnish, and install new 20 year flashing system in accordance with an acceptable roofing materials manufacturer's printed instructions.

07.200 CARLISLE ROOFING SYSTEMS

Carlisle Sure-Seal Universal Adhered Roofing System

The installation shall take place in strict accordance with the drawings and specifications approved by the Carlisle Tire and Rubber Company. The roofing material shall be as approved by Factory Mutual (F.M.) #J.I.0A3A9AM (4470) October 26, 1978 (or the most recent factory approved revision).

The Carlisle Tire and Rubber Company shall approve the roofing contractor. Shop drawings are required for the final inspection of the Warranted Roof. The shop drawings shall be approved by, and assigned a number by the Carlisle Tire and Rubber Company's Construction Materials Department.

All items pertinent to the installation shall be delivered in their original unopened containers. The containers shall be labeled with the manufacturer's: name; brand name; installation instructions; and identification of various items. The materials shall be stored in accordance with the manufacturer's instructions. The final installation shall carry a minimum 5-year warranty.

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The membrane shall be: 0.060 inches thick; maximum 10 feet wide; length determined by job condition; EPDM (Ethylene Propylene Diene Monomer) compounded elastomer. Flashing, bonding adhesive, splicing cement, lap sealant, water cutoff mastic, molded pipe flashing, Nite seal, pourable sealer, rubber nailing strips, insulation fasteners, insulation, and EM-8 Hypalon, and other related materials, shall be as furnished by the membrane manufacturer.

The substrate shall be of sound condition, ready to receive the roofing system. The insulation shall be: Carlisle Sure-Seal EPS/Fiberboard Composite Roof Insulation; The minimum thickness is 1 1/2 inches; and approved by Factory Mutual No. J.I. 0F4A8 (AM), December, 1980, to meet the Class 1 requirements for steel decks. (Check with the manufacturer for additional types of approved insulation, and installations).

Install the membrane in strict accordance with the membrane manufacturer's instructions. The adhesive shall be installed at a rate of 60 square feet of area to be bonded. The lap sealant shall be applied as recommended. Nailers shall be installed at the perimeter of each roof level, curb flashing, skylights, expansion joints, and similar penetrations. On new construction, the use of pressure-treated (with salt preservatives) for wood nailers, is recommended. On re-roofing applications, the wood nailers shall be #2, or better, lumber and pressure-treated (with salt preservatives) for rot resistance. Wood nailers shall be installed to resist a force of 75 pounds per lineal foot in any direction.

The flashing and terminations shall be done in accordance with Carlisle's standard details. Care shall be taken to ensure that the water does not flow beneath any completed sections of the roof, by temporarily sealing the loose edge of membrane, with Nite Seal, when the weather is threatening. An EM-8 Hypalon Coating is an optional application. When utilized, it shall be done in strict accordance with the manufacturer's instructions.

Roof walkways are required if regular maintenance (once a month, or more) is required to service roof top units, or a passage way over the surface is required. The walkways may be either: smooth surface paver blocks; or asphaltic walk boards constructed, and installed in accordance with the manufacturer's instructions.

Carlisle Sure-Seal Universal Loose-Laid Roofing System

Installations shall take place using drawings and specifications in strict accordance, as approved by the Carlisle Tire and Rubber Company. The materials shall be classified by underwriters Laboratories, Inc., as a Class A Sheathing material for use in construction of a Class A built-up roofing covering (8103, Dated 7/17/80). Shop drawings are required for the final inspection of the Warranted Roof. The shop drawings shall be approved and assigned a number by the Carlisle Tire & Rubber Company's Construction Materials Department.

All items pertinent to the installation shall be delivered in their original, unopened containers. The containers shall be labeled with: the manufacturer's name; brand name; installation instructions; and identification of various items. The materials shall be stored in accordance with the manufacturer's instructions. The final installation shall carry a minimum 5-year warranty.

The membrane shall be: 0.045 inch thick; 40 feet by 100, or the longest sheet possible, as determined by job conditions; and EPDM (Ethylene Propylene Diene Monomer) compounded elastomer. The flashing, bonding adhesive, splicing cement, lap sealant, water cutoff mastic, molded pipe flashing, Nite Seal, pourable sealer, rubber nailing strips, insulation, and 1 1/2 inch river washed gravel used for ballast; along with the other materials as furnished by the membrane manufacturer. The substrate shall be of sound condition, ready to receive roofing system. Seal substrate joints, and wall joints greater than 1/4 inch, with pourable sealer.

The maximum slope of the substrate shall be two inches in twelve inches. The substrate shall be clean, smooth, free of fins, sharp edges, loose and foreign materials, oil, grease, and fresh roof cement.

Insulation surface joints shall be 1/4 inch, or less in width. Repair all joints wider than 1/4 inch with insulation. The insulation shall be: Carlisle Sure-Seal EPS Insulation; minimum thickness of one inch; meets Federal Specifications HH-1-524D, ASTM CO578, D-1621, C-272, D-696, C203; and also meets (UL) Underwriters Laboratories Fire Hazard Classification No. 723. Consult Carlisle Tire and Rubber Company for additional types of insulation, and installations.

Install the roofing membrane, over an approved substrate, without stretching, allowing the membrane to relax approximately 1/2 hour prior to splicing and flashing. Splicing and lap sealant adhesive shall be installed in strict adherence to the manufacturer's instructions. Nailers shall be installed at the perimeter of each roof level, curb flashing, skylights, expansion joints, and similar penetrations. Wood nailers shall be pressure-treated with salt preservatives, and capable of resisting a force of 75 pounds per lineal foot in any direction.

On new construction, the use of pressure-treated (with salt preservative) wood nailer, is recommended. On re-roofing, the wood nailers shall be #2, or better lumber, and pressure treated (with salt preservative) for rot resistance. Creosote, and asphaltic preservatives are unacceptable. The flashing, and terminations, shall be done in accordance with Carlisle's standard details. Care should be taken to ensure that water does not flow beneath any completed section of roof. Temporarily seal the loose edge of the membrane, with Nite Seal, when the weather is threatening.

The ballast shall be sufficient to provide protection against wind uplift. The weight per square foot shall be determined by the architect, and/or roofing installer, but shall not be less than 10 pounds per square foot. The ballast shall be loose-laid gravel, smooth paving blocks, or concrete blocks. Should blocks with abrasive surfaces be used, a protection layer of pre-molded protection board, or a similar material, must be used. All local available, 1 1/2 inch river washed gravel, shall be accepted with the following restrictions: 50% must be retained by a 3/4 inch screen, 95% retained by a 1/2 inch screen and 98% by a 1/4 inch screen. Use ASTM C136 method of sizing gravel.

Roof walkways are required if regular maintenance (once a month or more) is required to service roof top units, or a passage way over the surface is required. Walkways may be either smooth surface paver blocks, or asphaltic walk boards constructed and. installed in accordance with the manufacturer's instructions.

07.400 METAL DECK

Install New

The Contractor shall first thoroughly examine the sheathing, beneath the metal deck, to ensure that it is solid, and free of damage. If found unsound, contact owner and Code Inspector for consultation and procedure on instituting a contract change order. Install 30 pound asphalt saturated felt covered with Red Rosin felt underlay over the roof surface to receive the new metal decking. Install new 20 pound I.X. Terne metal decking. The metal sheets shall be lock seamed. The roof edges shall be wrapped with metal decking. Properly flash at walls and columns.

07.500 SHINGLE ROOFING

GENERAL INSTRUCTIONS

Prior to starting work, the Contractor shall examine the roof to determine that all other repairs affecting the roofing work have been completed, as scheduled. When a new metal chimney, vent AC, roof vent, etc. is scheduled to be installed, the Contractor shall cooperate with any other contractors when installing the flashing, and counter-flashing. This Contractor shall also repair or replace all damaged, deteriorated, or missing flashing incidental to the repair. This includes any section of those components improperly installed.

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The Contractor shall seal all roof openings, and exposed roof edges with plastic asphalt cement, as necessary, to ensure watertight joints. The roofing shall be applied in accordance with the manufacturer's recommendations. Nails, not staples, shall be used in the installation of roofing. Power roofing nailers may be used. Once it has been started, the roofing application shall not be delayed, except when absolutely necessary, due to inclement weather.

Repairs to existing roofing, and/or material, shall be compatible, so any new materials being utilized in the repairs, do not bring about a distortion, or deterioration to any of the existing materials, due to a chemical reaction, or some other action.

New roofing shingles must be self-sealing and comply with the requirements for an underwriter's Laboratories, Inc., Class C Label, or better, roof. A copy of the guarantee of the shingle classification, shall be provided to the Owner, and to CDBG Specification Writer and the Land Development Code, Code Inspector, with the submission of the invoice for payment.

New roofing installations shall carry a minimum 25-year guarantee, and be of asphalt or asphalt/fiberglass composition unless otherwise specified. All new installations, shall be complete with: new flashing at the chimney(s) and vent stacks; rake edge; T drip edge; etc. (See Caulking and Flashing in this section).

New metal "T" drip edge shall be at least 2 1/2 inches wide. When the existing roofing is brittle, badly cupped, or rotted, the new material shall not be placed over the existing. In these situations contact the owner and rehab specialist for procedure on specification change.

Asphalt shingle roofing, or rolled roofing, shall not be the third roof application. Specific reference is made to count wood shingles as a first roof. If a roof has wood shingles, the existing roofing shall be stripped down to the roof boards. It shall be incumbent upon the contractor to apprise himself of the roof conditions, and bid accordingly. All other instructions remain as detailed.

Shingle Installation

The minimum exposure shall be not less than that required for a U.L. Class C. label. The shingles shall project 1/4" to 3/8" beyond aluminum T drip. Nails shall be hot-dipped galvanized steel, or aluminum, with flat heads 3/8 inch in diameter. They shall be long enough to penetrate the sheathing, or roof boards. On multifamily projects, where more than one structure is involved, the colors shall match the existing structures. The texture of the roofing shall be left to the discretion of the Owner, pending **CDBG Rehab Specialist approval**.

Material Standards

New asphalt shingles shall be mineral surfaced, asphalt or asphalt/fiberglass strip shingles: ASTM D-225. Square butt, two or three tab style for new work, of uniform thickness, 12 1/2 inches by 36 inches, weighing at least 235 pounds per 100 square feet. The shingles shall be self-sealing type, with a factory-applied adhesive.

The shingles shall meet the Underwriters' Laboratories, Incorporated requirements for a Class C roofing installation, Wind-resistant Shingles. Valley materials shall be roll roofing: FS-SS-R630, Class 2. Asphalt saturated felt: ASTM D226, No. 15 type.

Repair

Since new shingles shall match the existing in type, the repair procedure may vary from that for installing a new roof. Therefore, install new shingles, per the manufacturer's recommendations, to provide a watertight, Class C label roof. The quality of materials, and workmanship for repair work, shall meet the same standards as for new installations.

The Contractor shall make all repairs, or replacements necessary to the roofing installation (including: flashing, drip edges, cant strips, gravel stops, etc.) to provide a watertight installation. When removing damaged sections of the existing roofing, replace asphalt saturated felt, as necessary. The color, size, texture, and type of new roof material, shall be similar to the existing.

Install New

When going over existing roofing, the exposed edges of existing shingles must be cut flush with fascia at rakes and eaves prior to installing metal "T" drip edge. The roofing may be cut back, and replaced with wood filler strip.

New roof shingles, after the application, shall provide at least double coverage at all points, including both eave, and rake edges. Felt underlay may be omitted only when a new roof is being installed over an existing roof.

Stripping

When roofing installation calls for stripping, All existing roofing must be removed down to the roof boards/sheathing. Apply one layer of 15 pound asphalt saturated felt prior to installation of new roofing. Ice and Water shield must be applied to all eaves of the dwelling, from the eaves up the roof to overlie a point 24" inside the interior wall line of the building.

NOTE: If existing roof boards are open spaced, sheathing must be applied, contact owner and Rehab Specialist for contract change order procedure.

Roof Valleys

Roof valleys shall be flashed with sheet metal, or mineral asphalt roll roofing. Roof valleys shall have an 18 inch (mineral asphalt roll) strip, face down, secured with asphalt plastic cement, and minimal nailing. Install a 36 inch strip, face up, on top of previous layer. The roll roofing shall be installed in one continuous piece, where possible. If a lap is required, the strip shall have an overlap of 12 inches. On an open valley, the width shall be 6 inches wide at the ridge, and widening at a rate of 1/8 inch. per foot (1%).

On a closed roof valley, install 36 inch wide lining of roll roofing in the valley. Each roofing shingle shall extend 1.2 inches beyond the center of the valley.

Wood Shingles and Shakes

Install New

Roofing shall be No. 1 grade red cedar. Shingles shall be tapered. Both shingles, and shakes shall be: all-edge grain; and all-heart-wood. The underlay shall be asphalt saturated felt, ASTM D226, No. 15 type. Use a 36 inch wide starter strip at the cave edge, and 18 inch strips over the top portion of each row of shakes. The valleys shall be flashed with aluminum, copper, or painted galvanized metal.

The valley covering shall extend 10 inches beyond the center of the valley, for slopes up to, and including 12 in 12, and 7 inches beyond the center, for slopes steeper than 12 in 12. Metal valleys shall have a center crimp. Where possible, use full-length sheets. For valleys that require piecing of the metal valley material, crimp, and lock the ends of the metal sheets together. The first course of either shingles, or shakes, shall be double.

The exposure shall be determined by the type, and length of roofing. Extend the roofing beyond eave edge 1 1/2 inches. Alternate course joints should not align. The roofing shall be attached with corrosion-resistant nails, long enough to penetrate sheathing. Use no more than 2 nails per shingle, or shake.

Repair

Remove all defective shingles, and flashing materials. Nail down loose shingles, and flashing members. Replace all defective felts. Cut the replacement shingles, and flashing to the size required for proper fit. Securely fasten the new shingles, and flashing in place with concealed nails, two per shingle. Seal all exposed nails with bituminous cement. The new shingles shall match the plane, and the coursing of the existing shingles. The finished roof shall be free of splits; cracks; broken shingles; and other defects; and shall be weather tight.

Asphalt Roll Roofing

New roofing shall be mineral surface asphalt double coverage roll roofing, with a minimum weight of 120 pounds per square. The coverage, and underlay, shall be the same as for asphalt shingle roofing, as described earlier. The end lap shall be 19 inches minimum, for a 3 foot wide roll. The starter strip and edges of roofing, shall project over the eave, or rake edge, approximately 1 inch. All nails shall be corrosion-resistant roofing nails, and they shall be long enough to penetrate the sheathing, or roof boards. The color and texture of roofing shall be left to the discretion of the Owner, in consultation with the Contractor, pending the approval of the CDBG Specification writer.

Slate and Clay Tile Roofing

When slates, or tiles are scheduled to be repaired, all cracked, or otherwise damaged tile, shall be neatly removed. New slates, or tiles, of the same size and color, shall then be installed. When slates are being installed beneath higher slates, the new slate shall be properly secured in the space between the adjacent slates of the row above. Should the Contractor encounter any unusual problem in repairing slate or clay tile roofing, he shall immediately notify the CDBG Rehab Specialist, and Code Inspector. Repair the felts, and flashing, as necessary. The texture, shape, and color should match the existing.

Roof Vents

Install New: Roof louvers shall be aluminum. The minimum thickness of the aluminum shall be .027 inch. New louvers shall be of size, style and number to comply with the following conditions:

All separate attic spaces, which are sealed off from the rest of the house, shall be cross ventilated.

Ventilators shall prevent the entrance of rain, and snow.

The ratio of the total net free ventilating area, to the area of the ceiling, shall be not less than 1/150. Exceptions: The ratio may be 1/300, if a vapor barrier is provided on the warm side of the ceiling; or if at least 50% of the required ventilating area is provided by ventilators located in the upper portion of the space.

The attic space which is suitable for future habitable rooms shall have at least 50% of the required ventilating area located in the highest part of the ventilated space.

Holes cut through roof sheathing must be "saw cut", and they shall be properly sized to match the roof louver.

Plywood Sheathing

Repair: The repair of portions of the existing sheathing, shall result in the sheathing for the entire surface being in the same plane, so that when new roofing material is applied, the finish surface is even. The quality of materials and workmanship shall meet the same standards as new installations.

Install New: New sheathing shall be plywood, or other approved material, not less than 1/2 inch interior construction or exterior type, except that 3/8 inch may be used over existing wood board sheathing. (Filler

strips set in between existing wood boards will not be acceptable). Exterior type sheathing shall be used when surfaces, such as overhangs and ceilings in carports or porches, are exposed to the weather. Plywood shall be installed: with the outer plies at right angles to the rafters; and joints, shall be staggered so that the end joints in adjacent panels break over different supports. The nails shall have threaded shanks. Staples are unacceptable.

Wood Board Sheathing

Install New/Repair: Wood board sheathing shall not be less than 3/4 inch thick, T & G, ship lapped, or square edge. All sheathing boards shall fit tight to the adjacent boards. The joints shall occur over the center of the rafters, or roof joists. Stagger the end joints (except at the

edges of the area being roofed, and at the openings) when more than adjacent boards would break over the same support.

End matched T & G boards may break joints between supports, provided each board bears upon at least two supports, and the end joints in adjacent boards are staggered. The nails shall have threaded shanks. Staples are unacceptable. All loose knots, or knotholes larger than 1 inch, shall be tinned. Loose knots, or knotholes shall not occur where they are exposed to view, such as overhangs.

Wood Plank Decking

Install New/Repair: Wood planks shall be T & G, or spliced, and not less than 2 inches thick. The planks shall be continuous over at least two spans. Roof decks shall be blind and face nailed. Staples are unacceptable.

The joints shall occur over the center of the roof beams. Stagger the end joints (except at the edges of the area being roofed, and at the openings) when more than two adjacent planks would break over the same support.

End matched T & G planks may break joints between the beams, provided each plank bears upon at least two supports, and the end joints in adjacent planks are staggered.

Install New Metal Flashing

Refer to Division 07.650 for specifications and details.

07.510 GUTTERS AND DOWNSPOUTS

Contents:

General Instructions

Gutters and Downspouts

Splash Blocks

GENERAL INSTRUCTIONS

Gutters, and downspouts (eavestrough, and leaders), when scheduled to be replaced or installed new, shall be installed in the same location as the existing, or (when missing) in their original location. Maximum lengths of gutters shall be used. The gutters shall be installed uniformly, to sufficiently drain water away quickly, without leaving standing pockets. The pitch shall be 1/16 inch per foot (0.6%).

It shall be installed to sufficiently clear the eave line, and roofing edge to prevent water, ice, or snow from backing up under the roofing. Long gutter lengths between leaders may be undesirable if the pitch becomes visually evident. All hangers, brackets, and fastenings shall be of the same metal as the gutter.

Where water runs onto splash blocks, the downspouts shall be provided with an extension piece (elbow) located not more than 6 inches above the splash block, and pointed in the direction of the flow (see also

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Splash Block in this section). Prior to installing the gutters and downspouts, Discovery of any rotted or deteriorated fascia and frieze boards, must be brought to the attention of the owner and CDBG Rehab Specialist and Code Inspector for procedure on contract change order.

When joints are required in lengths of gutters, the joints shall be located away from entrances, steps, and other areas where it would be hazardous for water to puddle and/or form ice, if those joints leaked.

Downspouts in all dwellings shall be connected to storm drains, where ever possible, as required by the local Plumbing Code to provide an un-obstructed flow of roof rain water to the public sewer. When the Contractor encounters a plugged conductor boot, He shall contact the CDBG Rehab Specialist and Code Inspector for consultation and possible change order procedure.

Install splash shields onto the gutters at the outflow end of valleys, where large quantifies of water are deposited, especially at inside corners.

Install scuppers for overflow of all roofs enclosed by parapet walls, except when the construction of the roof and the type of roof covering are designed to hold water. Suitable overflow devices shall be used.

Downspouts shall be secured near the top and bottom of the run, and at each intermediate floor level, as a minimum.

If gutter hangers are used, they shall be installed under the shingles. Existing hangers on top of the shingles shall be relocated under the shingles.

Cleaning and Tightening

All joints shall be watertight. All gutters, and downspouts shall be securely connected, and firmly supported, or fastened. Remove dirt, debris, leaves, and other, obstructions. Clean the drain piping of vegetation growths, and other obstructions, by a mechanical router.

Flush out the leaders and piping with water, verifying a free flow. Report any major deterioration, or structural blockage to the **Code Inspector** the earliest possible time. The cleaning shall take place just prior to the scheduling of the final inspection. All gutters, which do not have a continuous screen the full length, shall be fitted with a strainer at each downspout, which ties into a storm drain. Any seams, or joints which have opened up, shall be sealed against leakage with a silicone sealant. Install additional screws, or rivets, as necessary, at the joints, and/or connections, to form a rigid, sealed system.

Repair

All defective sections of gutter, or downspouts, shall be removed or cut out, if necessary, and replaced with new parts. All new parts shall be similar to the existing in material, style, size, and finish. All joints shall be made watertight, according to the material used. When completed, all repaired sections shall appear as if part of the original installation.

Galvanized Metal Gutters and Downspouts

Galvanized metal shall have a corrosion preventive coating on the inside surfaces. Gutters and downspouts may have a baked enamel finish. Any color, other than white, shall be approved (and documented), by the Owner, and the CDBG Rehab Specialist, prior to the installation. The minimum thickness of the metal shall be 26 gauge. All joints shall be lapped 6 inches in the direction of flow, and soldered, or fastened with rivets or screws, and properly sealed to make the joint watertight. The gutters shall be installed uniformly, to sufficiently drain all water away quickly, without leaving standing pockets.

The pitch shall be 1/16 inch per foot (0.6%). It shall be installed to sufficiently clear the eave line, and roofing edge, to prevent water, ice, or snow from backing up under the roofing.

Long gutter lengths between leaders may be undesirable, if the pitch becomes visually evident. All hangers, brackets, and fastenings should be of the same metal as the gutter, or of a compatible metal.

Install New/Replace: Gutters shall be 5 inch wide "K" style, or half round type. The gutters shall be mounted with either roof hangers, or with grooved spikes and furls. All fasteners shall be driven into the rafter tails, or framing in back of the fascia board. The fasteners must be spaced so as to accommodate the usual winter load. The minimum spacing shall be 24 inches O.C., with a maximum spacing of 48 inches O.C.

The downspouts shall be 2 inch by 3 inch corrugated rectangular, or 3 inch corrugated round. The downspouts shall be properly attached to gutters, and be securely fastened with strap or cast hangers at the top and bottom. Provide at least one additional hanger for every 6 feet of downspouts. New downspouts, which tie into storm drains, shall have a strainer at the head of the downspout, and shall be sealed into the conductor boots.

Aluminum Gutters and Downspouts

Aluminum gutters and downspouts shall be white baked enamel finish with corrosion preventative coating on inside surfaces. The minimum thickness of the gutters shall be .027 inch; the minimum thickness of downspouts shall be .019 inch. All joints, connections and splices shall be made watertight by soldering or using watertight slip joints manufactured for this purpose.

Install New/Replace: Gutters shall be 5 inch wide "K" style. The gutters shall be mounted with either roof hangers (if no fascia exists), or with grooved spikes and furls. All fasteners shall be driven into the rafter tails, or framing in back of the fascia board. The fasteners must be spaced so as to accommodate the usual winter load. The minimum spacing shall be 24 inches O.C., with a maximum spacing of 48 inches O.C.

Downspouts shall be 2 inch by 3 inch corrugated rectangular. Downspouts shall be properly attached to the gutters, and be securely fastened with straps at the top and bottom. Provide at least one additional hanger for every 6 feet of downspout. New downspouts which tie into storm drains shall have a strainer at the head of the downspout and be sealed into the conductor boots.

Use the formula listed in the General Instructions for oversize residential buildings, multifamily structures, and commercial applications. Incorrect size gutters and/or downspouts, which have been installed, shall be removed, at the Contractor's expense, and replaced with the proper size.

Vinyl Gutters and Downspouts

Vinyl Gutters and Downspouts shall be made of extruded polyvinyl chloride (PVC). The color shall be white, or off-white (unless selected in writing by the Owner, and confirmed by the **CDBG Rehab Specialist**, prior to installation), homogenous throughout the entire thickness of the material. All joints, connections, and splices shall be made watertight utilizing the manufacturer's cement primer and adhesives, as instructed.

Install New/Replace: Gutters shall be 5 inch ("K" Style). Gutters shall be attached with gutter hanger and spike, or roof-gutter hanger rods. Use the manufacturer's recommended cutting block when cutting sections of gutters. All accessories (collector outlet, downspout connector, elbows, corners, and connector-expansion joints, etc.) shall be installed as per the manufacturer's instructions. Gutters shall be .063 inch, and the end caps .050 inch.

Downspouts shall be 2 inch by 3 inch rectangular. The downspouts shall be properly attached to the gutters and be securely fastened with straps designed for vinyl systems, at the top and bottom. Provide at least one additional hanger for every 6 feet of downspout. Downspouts which tie into storm drains shall have a strainer at the head of each downspout. The leaders shall be tied into concrete tiles, cast iron, or PVC hubs. The leader shall be .050 inch.

SPLASH BLOCKS

Splash blocks shall be pre-cast concrete, at least 12 inches by 30 inches. Splash blocks shall be set so the water drains away from the house, and into the flow of water off the property. Vinyl or plastic splash blocks are unacceptable.

CONDUCTOR BOOTS

See section 15.100

07.600 SIDING

Contents:

General Instructions

Siding

House Numbers and Mailboxes

GENERAL INSTRUCTIONS

Remove all damaged sections of siding before repairing. All sheathing, and framing behind the new siding installation that is not solid, shall be repaired, as necessary. Replace asphalt saturated felt paper, as necessary. Use of Tyvek Housewrap is permitted. The new siding shall be similar to the existing. Apply the siding with corrosion resistant nails. The nails shall be long enough to penetrate the studs, blocking, or wood sheathing.

Headlap, and coursing shall be as required to prevent the entrance of moisture into the walls. Stagger the joints in adjacent pieces of horizontal siding. Replace all trim incidental to this repair, and caulk the joints, as necessary, paying particular attention to where the siding abuts the wood trim, or other materials.

SIDING

Wood Clapboard

New bevel siding can be either lapped, or rabbeted, depending upon the particular installation. The minimum headlap for lapped siding shall be 1 inch. The minimum headlap for rabbeted siding, shall be 1/2 inch. The siding shall be nailed to each stud. The nails shall be long enough to penetrate at least 1 inch into the studs. Butt joints of siding shall occur over studs. Stagger the joints in adjacent pieces. Grading shall be C Select, or C and better, 1 x 9 shiplap siding. For repair work match the existing wood siding in pattern, quality, and size.

Wood Shingles and Shakes

Corrosion resistant nails for single, and double coursing, should be long enough to penetrate the sheathing. Use threaded nails with 3/8 inch (or thicker) plywood sheathing. When the siding is double coursing, attached undercoursing with one, or more 3d nails, or staples. The joints shall not be closer than 1 1/2 inches to the joint of the undercoursing in same course. Break joints in the next course of single coursing at least 1 1/2 inches. Provide a starter course at the bottom of the wall. Grading shall be No. 2, Perfections, red cedar. Corner boards, and trim boards, shall be wood C Select, or C and Better. Square edges shall be utilized on all new work. For repair work, match the existing wood shingles, or shakes in pattern, quality, and size. All repairs to trim, shall be similar to the existing.

Aluminum Siding and Trim

When a house is scheduled to be resided with aluminum, all openings shall be trimmed out with aluminum, and all existing wood trim (fascia, soffit, corners, etc.) shall be covered with aluminum, unless otherwise noted.

When replacing damaged sections of aluminum siding, replace the vapor barrier, as necessary. When installing new aluminum siding, the existing surfaces shall be made smooth, and all rotted material shall be removed, and replaced. A vapor barrier shall be applied over the existing siding. All accessories used for the installation of new siding, shall be aluminum. New aluminum siding shall be foam backed or installed over foam sheathing.

Install as per the manufacturer's recommendations. The nominal thickness of the siding shall be .019 inch. The nominal thickness of the trim, and the accessories, shall be .019 inch, except that individual corner pieces shall be .024 inch. The finish shall be baked enamel, or vinyl clad. The reverse side shall have a corrosion preventative coating. The Owner shall select the color, from the Manufacture's standard colors.

When the Owner has no preference, the color shall be white, unless specifically instructed to the contrary. Any deviation shall require the CDBG Rehab Specialist approval. The nails shall be aluminum, of the same color as the siding, and they shall penetrate the supports at least 1 inch. Provisions for ventilation may be obtained by weather protected horizontal openings, or by the installation of siding over furring. The starter strip of the siding shall be separated from the foundation wall by a layer of sheathing paper, or by a heavy bituminous coating. The ends of the siding abutting wood trim, shall be squarely cut, and be tightly fitted. The siding over the heads of openings shall be installed as flashing and drip, unless a separate aluminum flashing is used.

Fiberboard (Hardboard) Siding

The siding shall be: primed on the face, long edges, and backs; sealed on the faces, and edges; or factory pre-stained on the face, edges, and back sealed. Prime all cut edges as the installation progresses. The thickness shall be 7/16 inch (nominal). 16 inches on center framing members shall be used when not being installed over existing siding. 7d or 8d galvanized, or rust resistant nails, shall penetrate all siding, sheathing, or studs a full one-inch.

A starter strip of 3/8 x 1 1/2 inch wood lath shall be installed at bottom edge of the siding, sheathing, or sill plate. The first course of siding shall extend 1/8 inch below the starter strip, and it shall be nailed 1/2 inch from the bottom edge, and ends, into each 2 x 4 stud location. Butt joints shall occur only at the stud locations, unless being installed over sheathing, or old siding, and they shall be nailed top, and bottom on each side of the joint. Adjacent pieces shall butt tightly to each other.

Maintain a 1-inch lap at all courses. Butt joints shall be staggered on adjacent courses of siding. Inside corners shall tightly abut the vertical wood members. The vertical wood members shall be at least double the thickness of the siding (7/8 inch nominal trim).

Caulk all inside corners. Outside corners shall be finished with standard, metal, single piece trim, designed for this purpose.

Vinyl Siding, and Trim

When a house is scheduled to be resided with vinyl, all openings shall be trimmed out with aluminum coil stock and all existing wood trim (fascia, drop beams, brackets, columns, etc.) shall also be covered with aluminum coil stock unless otherwise noted. Color of aluminum trim to be selected by owner. Vinyl soffit may be used on overhangs and porch ceilings.

When replacing damaged sections of vinyl siding, replace the vapor barrier, as necessary. When installing new vinyl siding, the existing surfaces shall be made smooth, and all rotted material shall be removed,

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and replaced. All accessories used for the installation of new siding shall be vinyl. Install extruded polyvinyl chloride siding, per manufacturer's instructions.

Solid vinyl siding, soffit, and fascia shall comply with the provisions of the National Bureau of Standards Voluntary Products Standard PS 55-72, Rigid Polyvinyl Chloride Plastic Siding. All vinyl siding, and soffit will be provided with elongated nailing slots on the nailing hem. Solid vinyl hammer stop rails, approximately 0.80 inches in height, will run on both sides of the line of nailing slots, and will be approximately 0.5 inches apart, and parallel. Ends of horizontal siding panels shall be factory notched, so as to form an overlapping joint.

In order to form a secure, interlocking end joint, Double 4 inch siding shall be factory slotted, at the back of the step in the center of the panel, for a distance of 1 1/2 inches inward from each end of the panel. The slot is designed to engage a projecting rib in the corresponding portion of the overlapping panel end, and in so doing, prevents the panel from showing gaps at the center.

The field application of the siding, and trim members, shall be in accordance with the best practice, with all joint members true, and plumb. The colors shall be impregnated through the entire thickness of the siding, and trim accessories. Vinyl siding shall be minimum .044 inch thick.

HOUSE NUMBERS AND MAILBOXES

Reinstall existing house numbers on new siding. Replacement when scheduled must meet standards as stated in section 06.000.

07.650 CAULKING AND FLASHING Caulk Door, and Window Openings

Caulk around the total perimeter of basement windows, prime windows, and all doorframes, with silicone sealant.

Joints, and spaces to be caulked shall be clean, free from dust, and dry. Caulk the joint before the final coat of paint is applied to the adjacent work.

Apply silicone sealant with a gun having a proper size nozzle, or with knife, as required, to the entire perimeter of the opening. Fill all voids, and joints solid, completely sealing same. Neatly point the finish joints with a beading tool, remove all excess caulking, and leave the surfaces neat, smooth, and clean.

Immediately following the caulking application, clean all adjacent surfaces, which have been soiled, and leave the work in a neat, and clean manner.

Reseal All Roof Penetrations

All loose, brittle, cracked, rotted, and broken sealant shall be removed. Apply new Plastic Asphalt roofing cement at all roof penetrations, and exposed roof edges, as necessary. New plastic asphalt cement shall be applied smoothly and without air pockets. Immediately clean any brick, concrete, or wood soiled during the caulking application.

Roof Flashing

New roof flashing must be installed at all vent stacks, chimneys, walls and dormer walls. Metal flashing must be bent at crisp angles. Flashings hammered into shape or poorly bent is unacceptable. Base and step flashing must extend up vertical surfaces a minimum of 5 inches and cover or be woven into shingles a minimum of 5 inches.

On wood, vinyl, aluminum, etc. sided structures vertical portions of metal flashing must be

placed behind siding material. On masonry surfaces vertical portions of metal flashing must be counter flashed with counter flashing or cap flashing, let into raked or saw cut mortar joints 1 1/2 inches, and the mortar joint refilled with mortar.

NOTE: Saw cuts in brick face are unacceptable.

Acceptable materials for metal flashing as follows:

Aluminum Alloy, sheets AST, B209, either 3003, 3004, Alclad 3003, Alciad 3004, or Alclad 3005; mill finish.

Copper: AST, B370 sheet and strip, light cold-rolled temper.

Zinc-coated (galvanized) carbon steel sheets with 0.20% copper content ASTM A526; hot-dip galvanized to comply with ASTM A525, 1125 commercial class, mill phosphatized.

Plastic membrane flashing neoprene synthetic rubber 1/16 inch thick. Adhesives as recommended by the flashing manufacturer.

Solder FS-QQ-S-571, composition Sn50. Soldering flux FS-O-F-506, Type I, form A or B.

Felt ASTM D226, 15 pound type.

Base flashing (Built-Up Roofing)

Extend the flashing, in connection with built-up roofing, at least 4 inches out on the roof, and at least 8 inches up on vertical surfaces. Terminate base flashing under metal cap flashing. Cover the horizontal leg of the base flashing, with two layers of 15 pound bituminous saturated felt, mopped on.

Cap Flashing (Built-Up Roofing)

Provide metal counter or cap flashing as specified above in roof flashing spec. Lap end joints 3 inches. Do not solder joints; fill with plastic cement. Hem the lower edge of the vertical leg. Provide cap flashing with a spring action against the base flashing.

Gravel Stops and Fascias (Built-Up Roofing)

Install factory fabricated, formed type, metal gravel stops and fascias, at the exposed edges of built-up roofs. Extend flanges out 4 inches on top of the roofing felts. Nail roof flanges at 3 inch centers. Cover the flanges with two strips of bituminous-saturated felt, mopped on. Lap the end joints 4 inches, and set in plastic cement.

07.800 INSULATION

GENERAL INSTRUCTIONS

New wall, ceiling, rafter, and floor insulation shall be: fiberglass batt; or blanket insulation; or loose thermal insulating material, as is required for the particular installation. When floor insulation is installed over unheated spaces, it shall be R-19. Insulation shall be: R-13 in frame walls; and R-30 in ceilings.

Fiberglass batt, or blanket insulation, adjacent to exterior surfaces, shall be combination insulation with a vapor barrier. The vapor barrier shall be installed to the warm side. Install insulation as per manufacturer's recommendations. If specified, a 4 mil (minimum) continuous vapor barrier may be installed.

When placing loose insulation in a space over head of ceilings, a vapor barrier of 4 mil (minimum) plastic shall be installed prior to the installation of the loose material. When an insulation with an attached vapor barrier is laid over existing insulation, the vapor barrier shall be lacerated so as to destroy the barrier's effect.

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When eave vents are installed, adequate baffling of the next opening must be provided, so as to deflect the incoming air above the surface of the installed blown, or poured insulation. The baffles shall be installed, at the soffit, on a 60 degree angle from the horizontal.

Other types of approved insulation are as follows: Rockwool complying with Federal Specification HH-I-521E, or ASTM C262, and C553; Reflective insulation sheet metal, or foil complying to Federal Specification HH-I-1252A; Rigid insulation with edges square cut - polystyrene HH-I-5243; and Mineral fibre HH-I-526C, Mineral aggregate HH-I-529B, or ASTM C591. Asbestos containing panels shall not be used.

Ceiling insulation shall maintain the integrity of the insulation by fitting the insulation materials around pipes, conduits, and equipment penetrating the ceiling. The edges, and ends shall be tightly butted.

On floor insulation install batts with an integral vapor barrier to the room side. The insulation may be retained by use of hexagonal wire mesh (18 inch galvanized mesh complying to ASTM A390), nailed, or stapled in place.

The use of nails, staples, or adhesives shall be in accordance with the manufacturer's recommendations.

The usage of rigid board, on exterior roof installations, shall follow the manufacturer's instructions, and comply with the R value, as stated in the Work Write-Up Description, or attached instructions from the **CDBG Rehab Specialist**.

07.900 DAMPPROOFING

CONTENTS

Damp proofing

Concrete Crack/Joint Seal

DAMPPROOFING FOUNDATION WALLS

Excavate to a point 8 inches below the bottom of cellar floor. All walls scheduled to be dampproofed shall be prepared as necessary prior to the application of the dampproofing material. Repair all loose or defective mortar joints and cracks in the exterior foundation walls. Exterior foundation walls of masonry construction shall be dampproofed by applying not less than 3/8 inch of Portland Cement parging to the exterior side of the walls from the footings to the finish grade.

The parging shall be covered with one coat of an approved bituminous material applied at the manufacturer's recommended rate, and a .6 mil plastic membrane.

Exterior foundation walls of concrete construction shall be dampproofed by applying one coat of an approved bituminous material at the manufacturer's recommended rate, and .6 mil plastic membrane.

Install new plastic drain tile. Where none exists, new 4 inch drain tile shall be properly placed at the perimeter of the footing, on a 2 inch bed of "peastone", and connected, as required by the local code, to a storm sewer system, natural outlet, or drywell. Cover drain the with a minimum of 6 inches of "peastone".

Backfill material placed against newly dampproofed surfaces shall be an appropriate sand-gravel mix for proper soil drainage. Where applicable, the top 4 inches shall be top soil suitable for plant growth, with finish grade sloped away from the dwelling. When concrete will be placed over newly backfilled areas, backfill must be put down in nine inch lifts and tamped.

CONCRETE CRACK/JOINT SEAL

Remove all dirt, loose concrete, vegetation, and old sealants from crack and/or concrete joint to a minimum depth of 1 inch. Where open cracks/joints exceed one inch depth, install backer rods. Pour

liquid tar emulsion into crack or open joint flush to surface. All overpours and spills must be cleaned from adjoining surfaces.

08.000 DOORS AND WINDOWS

CONTENTS

08.100 Exterior Doors and Hardware

08.200 Interior Doors and Hardware, Shower Doors

08.500 Windows and Hardware

08.600 Storms Windows and Storm doors, Security Storm Doors

08.700 Glazing

08.100 EXTERIOR DOORS AND HARDWARE

GENERAL INSTRUCTIONS

Whenever doors are being replaced, frames, headers, and sills shall be repaired as necessary to provide a square, plumb, level, and rigid enclosure for the new installation. Install all new items as per manufacturer's recommendations. Flashing shall be repaired or replaced as necessary. All openings between the wood, masonry, and metal shall be caulked with a silicone sealant.

Should an opening be deeper than 1/4 inch, it shall be first packed with a backing (flexible polyurethane, polyethylene, polyvinyl chloride, cured polysulfide, sponge rubber, neoprene or butyl rod manufactured for this purpose) to within 1/4 inch of the face surface, and then filled with silicone sealant. All new doors shall fit tightly in their frames, and shall operate smoothly and easily.

The Contractor shall repair or replace all trim incidental to the operation of the door. Do not repair and/or replace weatherstripping in a "piecemeal" fashion. All weatherstripping on door shall be replaced in its entirety. All new exterior doors, except service doors for unheated garages and other out buildings, shall be fully weatherstripped (See also Weatherstripping in this Section).

Hinges for exterior doors swinging out, shall have a setscrew in the barrel to prevent the removal of the pin when the door is closed. Hinges shall be sheradized under the plating to prevent rusting.

All doors between a carport or a garage, and the house shall be hollow metal, metal clad, or solid core type, and have a self-closing hardware.

New finish hardware shall be furnished with the necessary screws, bolts, or other fasteners of a suitable size and type to anchor the hardware in position for heavy use and long life. The fasteners shall harmonize with the material and finish of the hardware.

The finish hardware shall be securely fitted, on properly prepared surfaces, in conformity with the hardware manufacturer's instructions and templates. Carpentry cuts for the finish hardware shall be carefully and accurately made.

The screws shall be turned to a firm grip, but not to the point of destroying the hardware, and, in no case, shall the screws be hammered into place. New door knobs shall be positioned at the height of the existing door knobs in each building. The other hardware shall be uniformly positioned in accordance with good general practice. Existing peepholes, on exterior doors, shall be left in good working order. All doors, both interior and exterior, shall be provided with a floor, base, or hinge type door stop of required length. The hinge type door stop will not be acceptable on hollow core doors.

All new doors (except bi-fold and sliding) shall include a door bumper.

Exterior Doors

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The doors shall be installed complete with new entrance lockset hardware and dead bolt lock, keyed alike. Only thumb turn locks on interior side are acceptable. The doors shall be fully weatherstripped including at threshold, and they shall be hung with three (3), 4 inch butt hinges of brass or galvanized steel.

The door shall have a minimum of 1 lite, but no more than 3 lites. The lite(s) shall be located away from lockset, and the maximum size of lite shall be 5 x 10 inches. All windows or lites on exterior doors shall be safety tempered glass. All side lites that are within 10 inches of an exterior door must be glazed with safety tempered glass. A standard sized peephole may be substituted for the lite at the Owner's selection.

When the door is to be naturally finished wood, it shall be stain grade birch, or it may be prefinished natural grain. When the door is to be painted, it may be paint grade.

Solid Core doors shall be 1 3/4 inch flush type, with solid core.

Solid Wood doors shall be 1 3/4 inch solid wood type, of a design which is appropriate for house, or equal to the existing.

Metal Clad doors shall be 1 3/4 inch flush or panel type with steel faces, wood stiles and rails, and rigid foam (insulation) core. Both facings shall be hot dipped galvanized and bonderized. The door shall have factory applied baked enamel finish. Facings shall be so formed and fitted that no contact occurs between the outside and inside faces.

The door shall be fully weatherstripped on all four edges with magnetic and compressed vinyl gaskets. Exterior entry doors shall have 5 x 10 (maximum) lite, or standard sized peephole, at the Owner's selection.

Exterior Prehung Door

Wood prehung door package, if scheduled, shall include: a wood door; three piece full depth jamb; exterior wood trim; interior door casings; stops; adjustable aluminum threshold; lockset; dead bolt; hinges; weatherstripping; lite or peephole; and door bumper. Finger jointed casing is unacceptable.

Metal Clad prehung door package, if scheduled, shall include: metal clad door as described above; full depth, metal jamb or frame; trim; threshold; and other equipment as stated above in the wood prehung door package. Install per the manufacturer's recommendations.

Exterior Metal Clad Replacement

Replacement door package, if scheduled, shall include: metal clad door as described above; 16 gauge galvanized steel partial frame, factory painted; interior door casings; magnetic vinyl weatherstrip on head and strike jamb/stops, compression vinyl weatherstrip on hinge jamb/stop; adjustable aluminum threshold; 2 3/4" backset on lockset and dead bolt; hinges; lite or peephole; and door bumper. Install per the manufacturer's recommendations.

Door Walls

Glass Replacement: When either the sliding or fixed panel of a door wall is scheduled to be reglazed, new glass shall be at least 5/8 inch sealed edge double insulating glass. Tempered safety glass meeting USA Standard Z-97.1-1966 shall be used. All glazing shall be flexible vinyl dry-glazing. No putty or glazing compound shall be used.

Screen Insert: The insert frame shall be extruded aluminum with adjustable rollers at the bottom, and spring loaded rollers at the top. The screen mesh shall be either 18 x 16 grey fiberglass screen cloth, or 18 x 16 anodized aluminum screen cloth. All necessary hardware shall be provided for the installation and proper operation of the screen panel. The color shall match any permanent finish of the door wall unit.

Repair Unit To Operate: The sliding panel and screen insert shall be made to operate smoothly, and fit securely in frame. Rollers shall be adjusted or replaced as necessary. Any missing or badly worn weatherstripping shall be replaced to insure a weathertight fit. Handles shall be tightened, and lock latch shall be adjusted, as necessary, to insure proper operation. Tracks and weep holes shall be cleared of any obstructions.

Install New Unit: The material and type shall be as specified in the Work Description and/or Drawings. The frame and sliding panel shall have complete woven pile weatherstripping. The unit shall be equipped with all necessary hardware, including a keyed lock, and screen panel. All rollers shall be plastic or nylon wheels on a formed axle. (See also Glass Replacement and Screen Insert).

For wood units, the frame panels shall be made of water repellant preservative treated Western Pine. An aluminum sill shall have a thermal break. The interior threshold shall be oak. If the unit is prefinished, the color must match the existing installation. For aluminum units, all aluminum extrusions shall be 6063-T5 alloy, or equivalent, and anodized.

The color shall match existing windows, or have the approval of the Rehab Specialist , in writing, before installation. The frame shall be sloped properly, with a sufficient weep hole area for adequate drainage. The frame, sill and panel members shall have thermal breaks to provide the same thermal performance as the 5/8 inch tempered insulated glass.

Vehicle Doors

Repair Opening(s): The framework, jamb, and header shall be repaired, as necessary to provide a: square; plumb; rigid; and/or sound condition, to properly accept the new vehicle door installation.

Repair/Realign: Repair or replace the tracks, rollers, hinges, and all other operating hardware, as necessary. Remove all temporary boarding, obstructions, and other operating hardware so that the doors operate smoothly and easily. All locks and latching mechanisms shall function properly. Replace any weatherseals missing, damaged, and/or deteriorated. Align all doors which bind at jamb areas, and reset for proper gap at the top and sides.

Install New: The material and style shall be as outlined below. The door shall be installed complete with latch lock and hardware. The hardware shall be galvanized or zinc plated (See Vehicle Door Hardware). The counterbalance spring may be extension, or torsion type. The bottom edge of door shall have a vinyl weatherseal. When the door is closed, the gap at the top and sides shall be no larger than 1/2 inch.

New Wood: A new door shall be sectional roll-up type, either flush or panel style, as selected by the Owner. The style of door shall be compatible with the style of the house. The nominal door thickness shall be no larger than 1 3/8 inch.

New Metal: A new door shall be overhead or roll-up type, as selected by the Owner. The metal shall have a corrosion resistant finish applied to both exterior and interior surfaces. The steel shall be 26 gauge galvanized and bonderized steel panels, or it shall be standard sheet aluminum of a gauge, as recommended by the manufacturer.

New Fiberglass: A new door shall be either sectional roll-up or overhead type, as selected by the Owner. The fiberglass shall be of heavy gauge. Color shall be integral with the material. Any color other than white shall be approved by the Owner and the CDBG Rehab Specialist prior to installation. The door shall have type 6063-T6 extruded aluminum stiles and rails, with AA M10 finish.

Restore and/or Rekey Lock(s)

Exterior locksets shall be repaired and adjusted to function like new. Replacement parts shall be as specified by the manufacturer. Lock operation shall be smooth without binding.

Install Entrance Lockset Hardware

New entrance locksets shall have a brass or aluminum finish. Cylindrical locks shall have key outside, with turn button on the inside. Locks shall have dead latch. New escutcheon plates shall be installed, as necessary, to cover unsightly marks when replacing existing hardware. When scheduled, a mortise type lockset, with built-in dead latch, shall be installed.

Double doors shall include either: two (2) active locksets; or one active lockset, and one dummy trim set. Mortise type locksets shall be installed when scheduled. Flush mounted bolts shall be installed on individual doors, when none exist. If existing, repair it to a like new condition.

Dead Bolts

New dead bolt assemblies must be mortised into door, have a minimum 1 inch throw dead bolt, and shall have a thumb turn on the inside surface. Double cylinder dead bolts, requiring key operation on both sides, are **PROHIBITED**.

Peephole

When scheduled for installation, the peephole shall be placed at a height convenient to the Owner. In situations where the Owner has no preference, they shall be approximately 5 feet above the floor. A new peephole shall be standard in size and type. If the peephole is scheduled to be removed, or the location changed, repair the area to sound condition, ready to paint.

Exterior Door Jamb and Stops

When a new door jamb and stops are being installed, they shall be clear white pine. The exterior door stops, in most cases, shall be an integral part of jamb. Finger jointed material is unacceptable. Moisture content shall not be above normally accepted standards. A new jamb shall consist of: two (2) sides; top piece; and new weatherstripping. Metal doors shall utilize the appropriate type of weatherstripping, as recommended by the manufacturer. The jamb includes stops.

Replace (Hingside)(Lockside)Door Jamb - Exterior/Interior

Damaged sections ("legs") shall be removed complete, with minimum damage to the surrounding area. The new section of the jamb shall be installed and secured to the opening with nails or screws to provide a plumb, square, rigid, and sound condition. Sound, salvaged casing/brickmold may be reused. Damaged casing/brickmold must be replaced. Weatherstripping shall be replaced, where necessary. Piecemeal or "Dutchman" type repairs to the jamb are UNACCEPTABLE.

Exterior Door Threshold

A wood door threshold shall be oak. Caulk as necessary. A metal threshold shall be aluminum or metal, water return type, with integral weatherstripping, and it shall fit weathertight with the door. Caulk the metal threshold at the exterior edge. A solid vinyl threshold shall be so designed for use at exterior doorways.

Exterior Door Weatherstripping

New weatherstripping shall be 7/8 inch wide, .006 inch thick spring type, made of bronze or brass. All weatherstripping shall be professionally installed, continuously around door jamb to prevent infiltration of dust, water, and wind. Straight cut, loose ends at strike plate is unacceptable. Do not repair and/or replace weatherstripping in a "piecemeal" fashion. All weatherstripping on door shall be replaced in its entirety.

08.200 INTERIOR DOORS GENERAL INSTRUCTIONS

All doors shall be installed complete with new passage set hardware, and shall be hung with two, brass or steel, 3 1/2 inch butt hinges. When the door is to be natural finish, it shall be stain grade birch, or it may be prefinished natural grain. When the door is to be painted, it may be paint grade. Floor, base, or hinge door bumpers, shall be installed for all interior doors. Hinge bumpers are unacceptable on hollow core doors. Special type doors (i.e. fire doors) shall be installed complete with any and all hardware relative to their operation and function.

Hollow Core doors shall be 1 3/8 inch or 1 3/4 inch flush type wood door.

Solid Core doors shall be 1 3/8 inch, or 1 3/4 inch flush type wood door. Hardware shall be as described in Exterior Solid Core door.

Paneled Wood doors shall be similar to the existing paneled wood doors in the dwelling.

Louvered Wood doors shall be ventilating slat type.

Wood Batten doors shall consist of vertical boards (T&G) nailed at right angles to cross strips (ledgers). Diagonal bracing is nailed between, and notched into ledgers. Wood batten doors can be used for cellar entrances, and basement storage rooms, etc.

Wood door grades and finishes are as follows:

Grade No. 1 - hardwood or pine panels suitable for natural finish;

Grade No. 1F - panels of Douglas fir plywood for paint finish;

Grade No. 2 - for paint finish only.

Wood Prehung Interior Door

New prehung door package shall include: new wood door; 3 piece jamb; door stops; casing for both sides of the opening; hinges; lockset or passage set; and door bumper. Finger jointed material is unacceptable when the casing is to be natural finish. (See also description above).

Bi-fold Doors

New bi-fold doors shall be either 1 3/8 inch: flush type; hollow core wood doors; or as scheduled. The doors shall be installed complete with new hardware. When two pairs of doors are installed, a door aligner shall be provided where the center panels meet. Hinge door stops shall be installed for all bi-fold doors. All hardware (door knobs, hinges, etc.) shall have a brass or aluminum finish. When doors are to have a natural finish, they shall be stain grade birch, or they may be prefinished natural grain. When doors are to be painted, they may be paint grade.

Bi-fold Doors and Assembly

New bi-fold doors and assembly shall include: 1 3/8 inch flush type, hollow core wood doors, or as scheduled; aluminum track and trim; and all hardware. The opening shall be trimmed as necessary (door casing or quarter-round moldings) for the installation of the new assembly. Finger jointed material is unacceptable when the casing is to be natural finish.

Sliding Doors

New doors for bypassing installations, shall be 1 3/8 inch: flush type; hollow core wood doors; or as scheduled. New doors for pocket installations, shall be as scheduled: either french type; or hollow core. Doors shall be installed complete with new hardware. Two recessed door pulls, and one door stop, shall

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be installed for each pair of bypassing doors. All hardware shall have a brass or aluminum finish. When doors are to be natural finish, they shall be: stain grade birch; or they may be prefinished natural grain. When doors are to be painted, they may be paint grade.

Sliding Door Assembly

Sliding door assembly shall include: 1 3/8 inch flush type, hollow core wood door(s), or as scheduled; top roller assembly and floor guide; and all other hardware. The opening shall be trimmed as necessary for the installation of the new assembly. Finger jointed material is unacceptable when casing and trim are to be natural finish. A pocket type assembly shall include: pocket framing; recessed pull handle; and locking latch appropriate to its use (See Passage Set Hardware).

Repair Door To Operate

Correct the defective door operation by: removing door; and plane, sand, or make other adjustments (as required) to fit the door properly in the existing jamb opening.

Adequately secure the door back into the jamb opening with the existing butt hinges, using new screws (as required) to firmly hold the door in place during its operation; and reset the striker plate (if required), for proper latch engagement. The interior door stops may have to be reset for proper operation. Stain and seal all cut/planed surfaces.

Trim Door

Cut door at bottom to clear flooring/carpet a minimum of 3/4", sand all edges, stain and seal newly cut edge.

Passage Set Hardware

New passage set hardware shall have a brass, or aluminum finish. Doors to bathrooms, toilet rooms, and primary bedrooms, shall have a privacy lock (push button on the inside). Escutcheon plates shall be installed, to cover unsightly marks, when replacing existing hardware. New hardware for double doors shall include the repair or replacement of flush mounted bolts. Double door passage set shall include either: two active passage sets; or one active and one dummy set trim package. Plastic passage sets are unacceptable without prior written approval from the Owner, and the CDBG Rehab Specialist. Mortise type passage sets shall be replaced with the same type, for continuity within a given room or area.

Knob and Spindle

New hardware shall have a brass or aluminum finish. Loose and/or missing escutcheon plates and mounting screws, shall be replaced or re-secured as necessary.

Miscellaneous Door Hardware

Miscellaneous hardware to be replaced, shall include floor guides, finger pulls for sliding doors, knobs or pulls for bi-fold doors, door aligners, push plates, etc. When scheduled to be installed, any of the above found to be worn, defective and/or missing shall be replaced. New hardware shall have a brass or aluminum finish. All miscellaneous hardware within a room shall be similar in style and finish. Mixing painted with unpainted hardware is unacceptable.

Interior Door Jambs and Stops

New door jambs and stops shall be clear white pine. Finger jointed material is unacceptable when trim is to be natural finish. The moisture content shall not be above normally accepted standards.

TUB WALL AND SHOWER STALL DOORS

Double Slide Tub Wall

The new enclosure shall be double slide type. The framing on the: top channel; jamb channels; and water stop, shall be anodized aluminum. The sliding panels shall be glazed with obscure tempered safety glass. Each sliding panel shall have one towel bar. New tub walls shall fit water tight.

Shower Stall Door and Assembly

A new shower stall door assembly shall include the: stiles; headrail; threshold; door; and all operating hardware. The hinge shall be the continuous piano type, The metal shall be extruded anodized aluminum, with a satin finish. The door shall be glazed with obscure tempered safety glass.

08.500 WINDOWS AND HARDWARE GENERAL INSTRUCTIONS

Whenever window assemblies or sash, are being replaced, frames, headers, and sills shall be repaired as necessary to provide a square, plumb, level, and rigid enclosure for the new installation. Install all new items as per manufacturer's recommendations. Flashing shall be repaired or replaced as necessary.

All openings between the wood, masonry, and metal shall be caulked with a silicone sealant. Should an opening be deeper than 1/4 inch, it shall be first packed with a backing (flexible polyurethane, polyethylene, polyvinyl chloride, cured polysulfide, sponge rubber, neoprene or butyl rod manufactured for this purpose) to within 1/4 inch of the face surface, and then filled with silicone sealant. All new sash shall fit tightly in their frames, and shall operate smoothly and easily. The Contractor shall repair or replace all trim incidental to the operation of the sash. Do not repair and/or replace weatherstripping in a "piecemeal" fashion. All weatherstripping on window or frame element, shall be replaced in its entirety.

Bathroom sash, when scheduled for replacement, shall have obscure glass. The lower sash for doublehung, and the lower 2/3 for casement shall be obscure. Other types of bathroom sash shall have obscure glass as is appropriate to their design. All new shall comply with the 2003 International Residential Code for One- and Two-Family Dwellings.

New finish hardware shall be furnished with the necessary screws, bolts, or other fasteners of a suitable size and type to anchor the hardware in position for heavy use and long life. The fasteners shall harmonize with the material and finish of the hardware.

The finish hardware shall be securely fitted, on properly prepared surfaces, in conformity with the hardware manufacturer's instructions and templates. Carpentry cuts for the finish hardware shall be carefully and accurately made.

The screws shall be turned to a firm grip, but not to the point of destroying the hardware, and, in no case, shall the screws be hammered into place.

A window assembly shall include: sash; jamb (casing); mullions; frame; stiles; sill; stool; apron; and all trim appropriate to the particular type. Finger jointed material (for the jamb, apron, etc.) is unacceptable when the wood is exposed to moisture, or when it is to be natural finish. Window assemblies shall be installed complete with all operating hardware, and all sashes shall fit tightly in the frames. All new and existing operable windows shall include a screen insert, unless noted otherwise.

Replacement sash shall be similar to the existing. Install new sash as per the manufacturer's recommendations, complete with new operating hardware. Operable sash shall have some means of being secured. The sash shall fit tightly in the frame to prevent infiltration of dust, water, and wind. New sash shall operate smoothly and easily.

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All windows shall meet applicable code requirements for light and ventilation, and emergency exit, in accordance with the building and fire codes.

Window Sash

Replacement sash shall be similar to the existing. Install new sash as per manufacturer's recommendations, complete with new operating hardware (locks and lifts). Operable sash shall have some means of being secured. Weatherstripping shall be installed to prevent the infiltration of dust, water and wind. New sash shall operate smoothly and easily.

Wood Upper and Lower Sash

New sash shall be stock one-over-one type (except as scheduled), with spring or tension counterbalances. Install window track kits when both sash are being replaced. "Quickie" or "Jiffy" spring window controls are acceptable when only one of the sashes are replaced.

The sash shall be fully weatherstripped at the: head jamb; bottom rail; check rail; and side jambs or mullion jambs. Window lifts and locking hardware shall have a brass or aluminum finish, and be of die cast manufacture only.

Wood Basement Window Sash

New sash shall be top hinged or side hinged, and shall swing into room. The windows shall be fully weatherstripped, on all four edges, between the frame and the sash. The sash shall be hung with two primed steel, 2 1/2 inch butt hinges. The locking hardware shall have a brass or aluminum finish.

Locks shall be located at the center of the window, or one on each side. The hardware location shall be uniform on all basement windows within the area or room. Window pulls shall be installed on all sash where the hardware does not have built in pulls. A ceiling hook and screw eye shall be installed, where practical, to keep the window sash in an open position.

Other Types of Wood Window Sash

Casement, awning, sliding, and other operable windows shall be fully weatherstripped, on all edges, between the frame and the sash. Hinges, sash locks, sash operator, cranks, handles, pulls, etc. shall have a brass or aluminum finish.

Aluminum Window Sash

New sash shall be aluminum. Sections shall be extruded alloy 6063-T5. The minimum nominal wall thickness shall be .062 inch. The construction shall be in accordance with A.A.M.A. specifications. All meeting rails shall be interlocking and watertight. All operating sash shall be fully weatherstripped.

No metal to metal contact shall be permitted at the sash and frame junction. All sash shall be able to be easily removed from the inside for maintenance and reglazing. When the prime sash also serves as the storm sash window, it shall be glazed with 5/8 inch (tempered) or 1/2 inch sealed insulating glass, as required for the particular installation. (See also Glazing Section for additional details). After installation, the new aluminum sash shall be thoroughly cleaned with plain water, or a petroleum product such as: white gasoline; kerosene; or distillate. No abrasive cleaning agents shall be used.

Steel Window Sash

The steel shall be carbon steel, or a rust resistant alloy. The new sash shall be prefinished, factory coated, or primed with at least one coat of zinc chromate primer, prior to installation.

Repair Window To Operate

Sash painted shut shall be freed, and the sash and its hardware shall be readjusted for smooth, easy operation. The sash cords shall be repaired or replaced where possible. Sash locks, that are not scheduled to be replaced, shall be repaired or realigned (as necessary) to firmly secure the window. Sash cranks, and/or other parts of the mechanism that are missing, and/or broken hardware, shall be replaced with a style similar to the existing. "Quicki" or "Jiffy" springs may be utilized when sash weights or counterbalances are beyond repair. The compression spring shall be polished stainless steel, and shall be securely fastened to the jamb.

Window Hardware

On double hung windows, ventilating window type hardware may also be used. One shall be installed on each side of the upper sash, as low as possible, still permitting a minimum 2 inch opening in either sash. The type of window hardware shall be uniform throughout the room. New hardware shall not be painted. When locking hardware is scheduled to be replaced, finger lifts and pulls shall also be replaced. New hardware shall have a brass or aluminum finish. All such hardware shall be die cast. Punched metal is unacceptable.

Window Stops, Stools and Aprons

New wood trim shall be clear white pine. Finger jointed material is unacceptable when the wood is to be natural finish. The moisture content shall not be above normally accepted standards.

REPLACEMENT WINDOW UNIT AND ASSEMBLIES

General: A new window and assembly shall include the: sash, jamb, casing, mullions, frame, stiles, sill, stool, apron, screen insert, and all trim appropriate to the particular type, and all sash shall be fully weatherstripped. Existing storm windows and their frames must be removed. Caulk interior and exterior of perimeter frame of replacement unit.

Note: All egress or rescue windows from sleeping rooms shall have a minimum net clear opening of 5.7 square feet. The minimum net clear opening height dimension shall be 24 inches. The minimum net clear opening width dimension shall be 20 inches. Where windows are provided as a means of egress or rescue, they shall have a finished sill height not more than 44 inches above the floor.

Aluminum Units

New window assembly shall be aluminum. All specifications for Aluminum Sash (above) shall apply, in addition to the following:

The sections shall be extruded aluminum alloy 6063-T5.

The minimum nominal wall thickness shall be .062 inch.

The construction of the frames shall be in accordance with A.A.M.A. specifications, and shall form neat weathertight connections.

Weep holes shall be provided.

When appropriate to the installation, new aluminum assemblies shall have an anodized aluminum exterior "surround" designed to form an integral union with the existing frame, and be joined in a manner so as to prevent any water or air infiltration.

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The "surround" shall be sized to cover all exposed exterior wood trim, and shall fit neatly into opening.

The complete window unit shall meet AAMA "A-2" performance standards.

Steel Units

The steel shall be carbon steel, or rust resistant alloy. The new sash and assembly shall be: prefinished; factory coated; or primed with at least one coat of zinc chromate primer prior to installation.

Vinyl Windows

New Vinyl Windows shall meet all requirements for material properties and performance characteristics for prime vinyl windows and replacement vinyl windows as outlined in AAMA 101V-86, manufactured of Rigid PolyVinyl Chloride (PVC) and be furnished with all necessary hardware, and miscellaneous items.

Materials

Weatherstrip - All window units shall be weatherstripped, integrally or applied. Weatherstrip shall be made of any suitable material compatible with rigid PVC. Woven pile weatherstrip, where used, shall conform to AAMA 701.8. Flexible vinyl weatherstrip, where used, shall conform to CS 230-60. The weatherstrip may be installed in the window frame, window sash, or both, to effectively enable the window unit meet the performance requirements stated herein. Weatherstripping should: resist air and water leakage; withstand atmospheric conditions; and be mechanically functional under use.

Anchoring Devices

Anchoring devices used in the erection of the window unit shall be of aluminum, stainless steel, or other corrosion- resistant materials compatible with rigid PVC. Steel may be used, provided it is plated with either cadmium (ASTM A165-80), or zinc (ASTM B633-78).

Counter Balancing Mechanisms

Balances of appropriate size and capacity to hold the sash stationary in any open position, shall be used. The sash balances shall allow the sash to disengage from the sash balances (for removal without the use of special tools) for cleaning or repair. The sash balances shall be of the spiral type, and they shall be easily accessible, adjustable, and replaceable in the field without the use of special tools.

Construction

The windows shall be assembled in a secure and workmanlike manner to perform as hereinafter specified, and to assure neat and weathertight construction. The main frame shall be assembled in a manner to assure smooth vertical movement of the operating sash. All joints of the main frame shall be of butt-type construction, joined neatly and secured by means of screws, into integral screw ports.

Solid welded joints are acceptable. The main frame, at the junctions of the sill and jambs, shall be sealed with a good grade of sealant. Gaskets may be used to seal mechanically fixed joints. The frame sill shall provide free drainage to the outside by means of a tapered sill surface.

Sash members shall be of butt-type construction, joined neatly and secured by means of screws into integral screw ports. Solid welded joints are acceptable. All sash shall employ spring- loaded tilt latches, for jamb retention during operation, and lift handles. The lower sash shall employ cam-type sweep locks.

Other Structural Members - Where mullion units are constructed, whether they are joined by integral mullions, independent mullions, or by a combination of frame members, the resulting members shall be capable of withstanding the design loads outlined in Section 3 of AAMA 101V-86. Evidence of compliance may be by mathematical calculation. Exterior mullion covers, where used, shall be of such materials as to provide rigidity. The external panning system shall completely cover the existing exterior window frame.

The sections shall be: one piece; designed to lock around the entire window frame; and be completely weathertight connection, but allow unrestricted expansion and contraction of the panning members and the window frame. The panning section shall be secured at the corners with screws into integral screw ports, and they shall be back sealed.

The head, jambs, and sill are to be sealed with a good quality sealant. No exposed fasteners are acceptable on the exterior of the panning system.

The installation of fins or fin trim shall be of a suitable material, compatible with rigid PVC, and of sufficient strength and dimension to assure satisfactory installation. Applied fins or fin trim may be assembled to the window by interlocking frame members, or with fasteners. Where fins are integral or applied, all corner joints shall be made weathertight in accordance with the manufacturer's instructions.

Tolerances - Overall window size tolerance shall be within $\pm 1/16$ " for all dimensions 6'0" and under, and $\pm 1/3$ " for all dimensions in excess of 6'0". This tolerance does not apply to diagonal measurements.

Finishes - Windows shall be PVC. Aluminum accessories, if used, shall have a baked enamel painted finish.

Glass & Glazing materials - Glass shall be $13/16$ " equivalent insulated type not less than insulating grade single or double strength float glass quality. The glass shall meet Federal Specification FS-DD-G-451D. (Glass furnished by the manufacturer shall meet or exceed the values for 15 lbf/sq.ft Design Pressure).

Safety glazing materials, where used, shall conform to ANSI Z97.1-1975 and CPSC-16-CFR1201. Tempered glass, where used, shall also meet Federal Specification FS-DD-G-14088.

Sealed insulating glass shall conform to ASTM E774, Level C8A.

Glazing Material - All sash shall be factory glazed using reusable wraparound marine glazing. Glazing system shall be: compatible with PVC; be resistant to weathering; and maintain a seal between the glass and its surrounding frame.

Insect Screens - Insect screens shall be provided, and be of the manufacturer's standard approved design, applicable to the specific windows for which they are intended.

Screen Members - Standard screen members shall be of tubular extruded or roll formed aluminum 6063-T5 or 6063-T6. The frame shall be of sufficient rigidity, cross braced (as required) to lie flat against the window to prevent excessive bow in the frame members and sag in the screening. The corners shall be firmly joined in a secure and workmanlike manner.

Screening Material - Standard screen cloth shall be fiberglass 18 x 16 mesh, and shall meet the requirements of USDC C3 748-64, Federal Specification GSA FS L-8-125 8, ASTM Specifications D3656 and D4028, or SMA-1004, and securely held in the frame with a vinyl spline.

Aluminum screen wire (optional) if used, shall meet the requirements of USDC CS 138-55 and Federal Specification RR-W365, "Insect Wire Screening".

NOTE: Insect screens are intended to provide reasonable insect control, They ARE NOT to provide security, or provide for retention of objects or persons from the interior.

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Standard Details - Standard details (to scale) showing all configurations; wall thickness; and the nature of the materials and method for fastening and assembling, shall be available upon request. The details shall show generally existing conditions.

Erection - The windows shall be installed square, plumb, and level in a secure and workmanlike manner, without distortion of the windows. The Contractor shall make the final adjustments for proper operation of the sash, and to assure neat and weathertight construction; in accordance with the manufacturer's recommendations. The windows shall be properly caulked with a compound meeting AAMA 808.3, "Voluntary Specification For Exterior Perimeter Sealing Compounds", to accomplish a thoroughly weathertight installation around the perimeter of the window main frame.

The Contractor shall be responsible for protection of the windows during the course of construction, and for cleaning all portions of the windows after the painting and finishing of building is completed.

Performance Requirements - Structural Performance - All windows specified herein, shall meet or exceed the values as set forth in the American Architectural Manufacturer's Association for a DH-C30 window. All windows shall have an air infiltration rate not to exceed 0.15 cfm/ft at 25 mph, shall have a structural performance test pressure of at least 45 psf (interior and exterior).

Thermal Performance - All windows specified herein shall be tested in accordance with AAMA 1502.7-1981 for Condensation Resistance Factor (CRF) and AAMA. 1503.1-1980 and ASNI/AAMA C236-80 for Thermal Transmittance Coefficient (U).

The windows shall satisfy the performance criteria of AAMA 1504-83 for a CRF Class IV, with a CRF of not less than 57, and a thermal transmittance Class I, with a U-Value not exceeding 0.56 BTU/Hr/Sci.Ft/Degree F.

08.600 STORM WINDOWS, STORM DOORS

CONTENTS

Storm Windows

Storm Doors

Storm/Security Door/Window Assembly

GENERAL INSTRUCTION

All new glass shall comply with 2003 International Residential Code for One- and Two-Family Dwellings

All new screening shall be 18 x 16 screen cloth: anodized aluminum; fiberglass; plastic; or copper.

STORM WINDOWS

New

New storm windows shall be anodized, or baked enamel finish aluminum (as scheduled). Unless scheduled otherwise, all storms on the dwelling shall have a similar finish. All new storms shall consist of a self-storing insect screen, and two storms. The sash and screens shall be easily removed from the inside for maintenance, and reglazing or repair. The storms and screens for all other types of windows shall be compatible with their operation, and shall be neatly fitted with appropriate hardware so that they can be removed with a minimum of effort. All inserts shall fit tightly in the tracks.

All operating windows shall have insect screens. Unless otherwise scheduled, self-storing (triple track) units shall be installed. Glass shall be Grade B or better. Weep holes at the sill shall be provided. The frame shall fit weathertight in the existing masonry or wood opening. Caulk at the frame with silicone

sealant. The bead shall be at least 3/8 inch in surface width. The storm window unit shall meet AAMA performance standards. (See also the Glazing Section for additional specifications).

Repair

All tracks shall be straight to allow the smooth operation of the inserts. Any weatherstripping which is missing or badly worn shall be replaced, if the design permits. The sash control slide bolts shall be adjusted or replaced in order to support inserts safely.

Obstructions and debris shall be removed from the lower tracks and weep holes to insure proper drainage. Replace all broken Nylon/Plastic guide pins.

Inserts

All window inserts shall be complete with glass or screening. Replacement screening shall match the existing (See Glazing Section 100 for additional specifications). Aluminum inserts shall fit tightly into the existing tracks. Wood inserts shall fit neatly to the window frames, with the appropriate hanging, latching, and opening hardware.

STORM DOORS

New

New storm door shall be anodized or baked enamel finish aluminum (as scheduled) and installed with piano type hinges. Unless scheduled otherwise, all storms on the dwelling shall have a similar finish. The door shall be not less than 1 1/4 inch in thickness, with stiles not less than 2 1/2 inches in width. All meeting rails shall be interlocking, and weathertight.

The door shall be provided with anodized or baked enamel finish aluminum self-storing storms and screens. Inserts shall fit tightly in the tracks. All sash shall be easily removed for maintenance, and reglazing or repair. Screening shall be 18 x 16 screen cloth: anodized aluminum; fiberglass; plastic; or copper. No metal-to-metal contact is permitted at the junction of the door and frame. The door shall lock with a button on the inside, but need not be keyed.

All storm doors shall have a safety door check, and closers. The frame shall fit weathertight in the existing masonry or wood opening. Caulk at frame with silicone sealant. The bead shall be at least 3/8 inch in surface width. The storm door unit shall be of 6063-T5 aluminum alloy, and meet AAMA performance standards. (See also Glazing Section for additional specifications).

Repair

When a storm door is scheduled to be repaired, the locking hardware, safety door check, and door closer shall be inspected for damage, and shall be repaired or replaced as necessary. The door shall operate smoothly, and fit weathertight into the frame. Readjust the door sweep, and replace any damaged or worn pile weatherstripping.

STORM/SECURITY - DOOR AND WINDOW ASSEMBLY

Windows (Aluminum)

The framework shall be of 6063-T5 aluminum alloy, with a minimum thickness of .070 inches, with a mill finish. Glazing materials shall correspond to the polycarbonate manufacturer's recommendations. All operating windows shall be equipped with insect screens. The framework shall fit weathertight into the existing wood or masonry openings.

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Any and all precautions shall be taken to make the installation vandal proof. Reconstructing of the openings with wood, steel, or aluminum shims shall be kept to a minimum thickness, so as not to defeat the security feature.

The shims shall be prime-coated, and painted according to the instructions set forth in the Contractor's Performance Standards. Care shall be taken during the installation to minimize any damage to the surrounding areas. Areas damaged shall be restored to a sound condition. The end product shall be aesthetically pleasing. Exposed fasteners shall be case-hardened security type, installed 12 inches on center.

Polycarbonate used on basement window openings shall be a minimum of 1/4 inch thick. The window openings shall be a minimum of 3/16 inches thick. Large window openings, having a short dimension exceeding 36 inches, shall utilize a minimum size of 1/4 inch thick. Short dimensions shall not exceed 48 inches. Openings having short dimensions larger than 48 inches shall have a center support bar installed equidistant from the sides. Additional supports may be installed, if required.

Doors (Aluminum)

The framework shall be of 6063-T5 aluminum alloy with a minimum thickness of .125 inches, with a mill finish, and an overall thickness of 1 1/4 inch. Glazing materials shall correspond to the polycarbonate manufacturer's recommendations. The framework shall fit weathertight into the existing opening. Precautions shall be taken to make the installation vandal proof. Care shall be taken during the installation to minimize any damage to the surrounding areas.

Areas damaged are the responsibility of the Contractor to be restored to a sound (like new) condition. The doors shall be installed complete with: a continuous piano hinge; safety check strap and closure (capable of sustaining the doors' weight, size, number of operations, and applied wind forces when opened). The meeting rails shall be welded into position, and weathertight. The doors shall be installed with Fire Safe Locks. The lite shall be a minimum of 1/4 inch thick. Exposed fasteners shall be case-hardened security type, installed 12 inches on center.

All caulking for doors and windows shall be a silicone sealant with an applied bead of at least 3/8 inch surface width. Baked enamel finishes are acceptable only with written authorization of the Owner and the CDBG Rehab Specialist.

All shims shall be attached with an approved mechanism with minimum penetration of one inch into building. All assemblies shall meet the existing building/fire codes.

Doors (Steel)

Security storm door shall be constructed with 2 inch steel frame, with all corners and junctions welded. Jambs shall be all steel, with integral weatherstripping. The door shall be equipped with a Key-in Knob exterior lockset and a single cylinder dead bolt lock with security cup around thumb turn on interior side. The door shall also consist of a pneumatic closer and shock absorber safety chain. The door shall be primed and finished with a coat of enamel paint.

08.700 GLAZING

CONTENTS

General Instructions

Window and Door Glazing

Door Wall Glazing

Tub and Shower Enclosure

GENERAL INSTRUCTIONS

Tempered glass shall be Type I or II, Class I, Tempered to 4 times normal strength.

Mirror glass shall be Type I, Class I, Quality Q2 (mirror glazing), 1/4 inch thick; silver coating plus copper coating, CS-27.

Glazing for picture window sash shall be at least 1/4 inch tempered plate glass, or a minimum 5/8 inch sealed, tempered insulating glass, as required for the particular installation.

New glass for bathroom sash shall be obscure type. The lower sash for double hung, and lower 2/3 for steel casement, shall be obscure glass. Other types of bathroom sash shall have obscure glass as is appropriate to their design.

When installing new exterior doors, or accompanying side lites, it is required that they be glazed with tempered glass, Type I or II Class I, tempered to 4 times normal strength.

Glazing material shall be: silicone sealant; polysulfide sealant; butyl rubber sealant tape; acrylic sealant; butyl rubber sealant; acrylic latex sealant; preformed butyl rubber sealant; or latex glazing compound.

Door Wall Glazing

When either the sliding, or fixed panel of a door wall is scheduled to be reglazed, the new glass shall be similar to the existing, with a minimum thickness of 3/16 inch tempered.

Tub and Shower Enclosures

New glass for sliding panels, or for shower stall doors (scheduled to be replaced) shall be: 3/16 inch full tempered safety glass; 1/4 inch laminated safety glass; or shatter resistant plastic. The glass, or plastic shall be obscure type.

09.000 FINISHES

CONTENTS

09.100 Drywall

09.200 Plaster

09.250 Stucco

09.300 Tile Setting

09.500 Flooring

09.900 Painting

INTERIOR PAINTING AND DECORATING

Special Instructions

All surfaces to be painted shall have all loose, blistered, and scaling paint removed, and they shall be thoroughly cleansed to receive the new paint.

Wallpapered Surfaces: All wallpaper shall be removed prior to painting, unless otherwise specified. Remove all miscellaneous nails, hooks, screws, tacks, shade holders, shade brackets, etc., from the walls and millwork.

All remaining holes (those no larger than a dime) shall be filled with spackling compound or linseed oil putty, depending on the surface material. All patches shall be smoothly done, and all rough or abrupt

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edges shall be sanded smooth. Seal all unremovable grease spots or stains, with shellac, so that they do not "bum through" the new paint.

All natural finished surfaces shall have a natural finish applied, unless they are scheduled to be painted in the Work Description. Kill stain, or seal all varnished wood before painting, so that the desired coverage is obtained. If any area to be painted shows signs of mildew, those areas shall be treated with a good fungicide, and the entire area shall be thoroughly dry before the painting is begun.

A closet is considered to be part of the room in which it is located. Closet rods and shelving (unless prefinished metal that is either new or in good condition) and bracing and drawers, shall be painted in semi-gloss, gloss, or satin finish. All natural finished surfaces shall have a natural finish applied, unless they are scheduled to be painted in the Work Description. Any and all wood work, including access panels etc., shall be painted with semi-gloss, gloss, or satin sheen finish.

All kitchens, bathrooms, utility rooms, furnace rooms, laundry rooms, and stairways from basements, shall be painted with semi-gloss or satin sheen finish. All common areas in multifamily structures shall be painted with semi-gloss, or satin sheen finish.

All rooms or areas shall be solid colors throughout. Wood work shall be of the same color, unless it has an existing natural finish, except as scheduled in the Work Description. Closets shall be the same color as the rooms. Two-tone colors shall not be permissible, unless specifically noted within the structure of the contract.

The choice of color shall be approved by the Owner in writing (with confirmation by the **CDBG Rehab Specialist**), prior to the application.

Drywall or Plaster Walls and Ceiling

Hairline cracks, and scraper dents shall be spackled and sanded. Open cracks shall be raked out and damaged plaster shall be removed. Apply new plaster in coats thin enough to prevent shrinkage. Include drywall tape, if needed. All repair work when completed, shall match the existing surfaces, present a neat appearance, and be free of hairline cracks and bulges.

All surfaces shall be washed prior to painting.

Previously painted surfaces shall receive at least two coats of interior latex or oil base paint.

New plaster or drywall shall receive a first coat of interior latex primer. The surfaces shall then be painted, with at least two additional coats of paint.

The surfaces shall be painted with a roller and/or brush. **SPRAY PAINTING OF ANY TYPE IS NOT ALLOWED, UNLESS SPECIFICALLY REQUESTED IN THE CONTEXT OF THE WORK SCHEDULE.**

Wood Windows and Doors

Painting: All door edges shall be eased. If wood is open grain type, fill or seal the surfaces to prevent the grain rising. Apply one coat of suitable oil base primer to all new and bare wood surfaces. Then apply at least two coats of interior semi-gloss or satin sheen enamel to all surfaces. All edges (top, sides, and bottom) shall be painted the same as the door faces. The color shall match the adjacent wall surfaces, except as scheduled in the Work Description, and/or approved by the Owner, in writing. The paint shall be applied with a brush only.

Natural Finish: All door edges shall be eased. Apply one coat of penetrating sealer to all trimmed door edges. All interior doors, if not prefinished, shall receive at least two coats of spar varnish. Edges (top, sides, and bottom) shall be finished the same as the door faces. The backsides of all closet doors shall be finished. The varnish shall be applied with a brush only.

Wood Trim Millwork, Paneling, Cabinet Work, and Shelving

It is not intended that cabinet work, and other wood surfaces, scheduled for refinishing or painting, are to be completely stripped down to bare wood. Rather, it is intended that scratches and other surface blemishes, shall be treated so as to make them unnoticeable.

Stain, or prime and finish as necessary. Clean the inside of all cabinets and drawers (removing any shelf liner, wallpaper, etc.) prior to applying the finish or paint.

Clean and wax all cabinet work and paneling. All existing surfaces covered in this section shall receive a semi-gloss or satin sheen finish. Cabinets which are painted on the interior, and varnished on the exterior surfaces (or vice versa) shall be finished in the same manner, unless specifically stated to the contrary. Areas requiring repairs (whether specified or not) are to be placed into a sound condition, prior to applying finishes.

Paint: Sandpaper new millwork prior to the application of the primer. Reset loose nails. All nail holes shall be filled and sanded prior to painting. If new wood is open grain type, fill or seal the surfaces to prevent the grain rising. Apply one coat of a suitable primer to all new and bare wood surfaces. Then apply at least two coats of interior semi-gloss or satin sheen finish to all surfaces. The color shall match the adjacent wall surfaces, unless scheduled otherwise. Application by brush only.

Natural Finish: Sandpaper new millwork prior to the application of stain. All wood to be refinished, shall be first prepared as necessary to receive the new finishes. Loose nails shall be reset and all holes shall be filled with linseed oil putty. If new wood is open grain type, the surfaces shall be filled or sealed to prevent the grain rising. New or bare-wood shall be stained to be similar to the existing. All natural finish wood shall receive at least two coats of varnish, shellac, lacquer, or clear plastic coating, as appropriate to its intended use. Application by brush only.

Wood Stairs

Reset all loose nails. Sand all surfaces, as necessary, to provide reasonably smooth surfaces. Then apply at least two coats of an oil base enamel, or (if scheduled) a natural finish.

Concrete and Masonry Surfaces

Apply at least two coats of resin-emulsion paint, solvent rubber paint, or floor and deck enamel to the scheduled concrete floors. If an oil base paint is used, neutralize the surface before painting. Walls shall receive at least two coats of paint formulated for use on masonry and concrete surfaces. Surfaces which have been waterproofed, shall be treated as per the manufacturer's instructions, prior to painting.

Miscellaneous Metal Items

New metal, if not factory primed and painted, shall be primed with one coat of an alkyd primer and then painted with two coats of interior semi-gloss enamel (latex base). An acceptable alternate would be a primer coat of rust inhibiting paint and a finish coat of interior semi-gloss enamel (oil base). Existing metal shall be spot primed, as necessary, and then painted with at least one coat of interior semi-gloss enamel (latex base). The color shall match adjacent wall surfaces, unless scheduled otherwise.

Wallpaper

Plastered surfaces, which are to receive wallpaper, shall be thoroughly dry and be neutralized with a zinc-sulfate solution, if necessary. Surfaces being papered with other vinyl type wall covering, shall be coated with a sizing before papering. Drywall, which is to receive wallpaper, shall be sealed with a coat of latex, oil, or varnish base sealer. The color and pattern shall be selected by Owner, in writing, prior to the application.

Structural Steel

New structural steel shall be primed, or be factory coated prior to installation. After thoroughly cleaning the structural steel, spot prime bare areas with a zinc chromate primer. If steel is exposed, then apply at least one coat of a rust inhibitive oil base paint. The color shall match adjacent wall, unless scheduled otherwise. The paint shall be applied by brush only.

09.200 PLASTER

Install New Plaster

Prior to the application of new plaster, all bulging, loose, or otherwise defective plaster shall be removed. New expanded metal lath, plaster stops, grounds, corner and casing beads, and corner reinforcement shall be installed as necessary. All exposed metal units shall be 26-gauge zinc-coated steel, or coated with rust inhibiting paint. Support and fasten lathing to provide true lines and surfaces for the new plaster.

Use flat reinforcing strips where existing and new plaster surfaces butt together. Install reinforcing at all points where surfaces change, or where cracking is likely to occur. Reinforce base coats (with a 6 inch strip of metal lath) where lath or base type changes. Provide casing beads where the plaster abuts dissimilar material, and at the openings and the exposed termination of the plaster work.

Provide base screeds where the plaster base changes, and where needed as a screed for concealment under other work, or as screed needed for casting other work adjacent to the plaster. New applications shall be: three coat wet plaster over metal lath; two coat wet plaster over gypsum "rocklath"; or two coat veneer plaster system. Apply plaster with a minimum thickness, as established by industry standards, for the types of base being used (ASTM C28). New plaster in bathtub, or shower areas shall have Keene's cement finish (ASTM C61).

All interior surfaces shall receive a smooth troweled finish, unless matching an existing texture finish. Plastering shall be done only when the inside temperature is at least 55 degrees Fahrenheit.

The temperature shall be maintained during, and up to completion of plastering, including drying. The Contractor will also supply a means of ventilation (when required) to properly dry the plaster during and after the application.

Repair Plaster

Patch plastering shall be preceded by removal of all broken, damaged, or otherwise defective plaster to produce straight lines, with clean sharp edges. Vee out cracks. New lath, and reinforcing strips shall be installed, as necessary. Use plaster bond material for the proper adhesion of the new plaster to the existing. The areas to be patched shall be filled with base material, and then given a finish coat of the same material as the adjoining plaster. Patched areas shall match the adjacent work in finish and texture, and be free of bulges. Joints shall be flush and smooth, so that the joints between the existing, and the new plaster are undetectable.

09.250 STUCCO

Repair Stucco

Remove all damaged stucco. Repair the metal lath, or wire fabric, as necessary. Over wood frame construction, apply a new three coat finish. Over masonry surfaces, apply a new two coat finish. The top coat shall match the existing surfaces in texture and finish. Do not apply stucco plaster when the temperature is less than 40 degrees Fahrenheit, or when the temperature is not expected to remain above the stated temperature until the initial set.

09.300 TILE SETTING

CONTENTS

General Instructions

Ceramic Tile

Ceramic Tile Accessories

Threshold

GENERAL INSTRUCTIONS

The color of new tile installations, unless otherwise indicated, shall be selected by the Owner from a minimum of 6 samples provided by the Contractor.

While this manual describes the "thin set" method of ceramic tile installation, the contractor may, at his option, set the ceramic tile by the cement mortar method. In either case, the ceramic tile shall be installed according to the recommendations of the "Tile Council of America", and the tile manufacturer, for the surfaces to which it is to be applied, and its final intended function.

The new tile, and the surrounding surfaces soiled during the repair work, shall be cleaned immediately.

The new wall tile shall be standard grade 4 1/4 x 4 1/4 inch glazed ceramic tile. The tile shall extend to a point at least 6 feet above the floor on the shower area walls, and to a point at least 4 feet above the floor, or to existing wainscot, on the other bathroom walls. New floor tile shall be unglazed, with smooth edges, and of a standard size. All tile installations shall be properly trimmed using: caps; bull noses; base; etc. The new floor tile installation shall be complete with ceramic tile cove base. The tile shall be set by "floating" method. The Contractor shall make sure that the joints where the bathroom floors meet the walls, are tight.

CERAMIC TILE

Install New Ceramic Tile

The base surface shall be smooth, and plumb or level. The base for the floor shall be underlayment as described in the floor finishes section. Prior to the application of the adhesive, the surface to receive tile shall be sealed with a water resistant sealer that is compatible with the adhesive to be used. The sealer shall provide a firm and durable bond to the base material.

The tile adhesive shall be chemical resistant, water cleanable, tile-setting epoxy. While the tile adhesive may be used as the sealer, when designed for this purpose, it must be applied in a separate coat. Apply the adhesive, to the entire surface to be tiled, with a notched spreader blade. Allow at least 24 hours for the evaporation of the volatiles from the adhesive, prior to grouting.

The joints shall be thoroughly saturated, and washed out with clean water. All tile joints shall be filled with pointing grout. The joints between the tub and the tile, and the joints between the tile and any dissimilar material, shall also be grouted, and/or caulked with a silicone sealant. Force grout into the joints, taking care that no open joints are left. The joints shall then be properly sponged and tooled.

Repair Ceramic Tile

When repairing existing tile, first remove all cracked, loose, chipped, or otherwise defective tile. Then repair setting bed, or wall board, as necessary, to provide a level surface for the installation of the new tile.

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When repairing floor tile, wash adjacent areas with an approved solution to remove any oil film present. New tile being installed next to existing tile, shall be similar to the existing in size, color, texture, and glaze.

When replacement tile cannot be matched to the existing in color, texture, or glaze, remove the necessary tile from a less obtrusive location within the room, and reuse these "matching" tiles in the most visible places. The removed tile shall be taken in a logical pattern. The replacement tile shall then be installed where the matching tile was removed. Any other procedure shall require the approval of the Owner, and the **CDBG Rehab Specialist**.

CERAMIC ACCESSORIES

Install New Ceramic Tile Accessories

A new bathroom accessory package shall include: one tub or shower recessed soapdish holder; one toilet tissue holder; two 24 inch towel bars (one located within the tub or shower area); one lavatory soap holder, with drain hole; one lavatory glass and tooth brush holder; and a shower curtain rod, with new trim, for tub or shower area. The adhesives shall be waterproof type. The ceramic accessories shall match the new wall tile. Ceramic accessories shall be vitreous china.

Repair, Replace, Reset Ceramic Tile Accessories

When ceramic bath accessories are scheduled to be repaired, the Contractor shall inspect the bathroom, and shall reset, repair, or replace those items which he finds to be defective, and/or improperly anchored. Replacement accessories shall be similar to the existing.

THRESHOLD

Install New, Reset Threshold

When resetting an existing threshold, which is in a serviceable condition, use either the adhesive method as described above, or the cement mortar method. A new door threshold shall be natural, or synthetic (manufactured) marble. The threshold shall be set using the mortar method. The new threshold shall fit the opening, and set tightly between door jamb, so that a watertight seal is made. At the option of the Owner, and the **CDBG Rehab Specialist** and **Code Inspector** solid vinyl threshold may be substituted for a new marble threshold.

09.500 FLOORING

CONTENTS

Wood Flooring

Resilient Flooring

Carpeting

Underlayment

Miscellaneous Accessories

WOOD FLOORING

Install New

New strip flooring shall be 25/32 inch oak. Install screeds, subfloor, or nailers.

Blind nail through the tongue, at 12 inch centers, using 7 penny or 8 penny screw type nails, or as required by the flooring manufacturer. Allow for expansion, providing space at the perimeter of the room.

For an adhesive application of material, use cutback primer application. The adhesive shall be cutback asphalt type, as approved by the flooring manufacturer. The floor membrane shall be 15# asphalt saturated felt, or as recommended by the flooring manufacturer.

On concrete sub-flooring, clean the concrete surfaces prior to the installation of the membrane adhesive. The membrane shall be installed with adhesive lapping the edges, and ends 6 inches.

Other wood flooring materials scheduled to be utilized, shall follow the manufacturer's recommendations for installation. Any and all necessary trim which normally accompanies wood flooring, shall be installed upon completion of the floor installation. All floors shall be sanded smooth, and be free of roughness, ready to accept the final finish coat, if required.

Repair Wood Flooring

Remove broken, decayed, worn, or otherwise defective members of the existing wood floor, to a point of undamaged material. Care shall be taken, during the removal, to not rip or break the tongues from the flooring strips, or the pieces that are intended to be retained. Match the existing: species; grade; size; thickness; type; pattern; and finish. Remove all plaster, mortar, paint drippings, dirt, and debris from the subsurfaces.

Inspect the surfaces to receive flooring to assure that they are sound, level, even, and dry. The flooring shall be shimmed, where necessary, and be properly secured at the points of bearing.

On concrete sub-flooring, clean surfaces, removing the existing adhesive membrane. Install a new membrane in adhesive, lap edges and ends 6 inches.

Tighten all loose floor boards. Install new wood to the area to be repaired, blind nailing through the tongue at 12 inch centers, The last board may be face nailed using finishing nails. The entire floor area shall be inspected for popped, or protruding nails. All nails shall then be countersunk, and wood filled. The area shall be sanded smooth and free of roughness, ready to accept the final finish coat.

Sanding, and Refinishing (Hardwood, and Softwood Strip, and Parquet Floor)

Prior to sanding, the Contractor shall check that the floors have been re-nailed to eliminate squeaking. Renail as needed to eliminate squeaking. All nails shall be countersunk, and their holes shall be filled. The floors shall be swept clean, and vacuumed before, and after sanding. The floors shall be machine sanded, beginning with No. 2 paper, and graduating to No. 00.

Where machine sanding is impossible, they shall be hand scraped, and hand sanded to give a smooth, even finish. A minimum amount of wood surface shall be removed. Stain new sections of wood flooring, as necessary, to match the existing. Where flooring is open grain wood, apply one coat of a paste wood filler, rub in filler, and allow to dry thoroughly.

Then apply one coat of penetrating floor sealer, and 2 coats of clear spar varnish. An alternate finish may be: a combined sealer, and varnish; or a liquid polyurethane finish. Apply as per manufacturer's recommendations. Apply one coat of wax over the new finish. All sanded, and refinished floors, shall require shoe moldings. All new, or existing shoe moldings, shall be set flush to the floor.

Clean and Wax Flooring

Strip all wax; clean the floor with a commercial solvent and scrubber; apply a coat of new wax; and buff. Any stains, paint spillage, etc. shall be removed before the new wax is applied. (See also Interior Cleanup, Section 300).

RESILIENT FLOORING General Instructions

All surfaces to receive resilient flooring shall be dry, clean, and level. All cracks, depressions, and voids shall be filled, or repaired. Install tile only after all finishing operations, including painting, have been completed, and a permanent heating system is operating. The moisture content of concrete slabs, building air temperature, and relative humidity must be within the limits recommended by the tile manufacturer.

Concrete floors shall not vary from a level surface more than 1/8 inch in 10 feet in any direction. Where leveling is required, leveling latex for concrete shall be used. Prime concrete slabs on grade, or below grade, with a cutback before applying the adhesive.

For all installations, use an adhesive recommended by the resilient flooring manufacturer, and apply as per their instructions.

Adhesive back, or self-stick tiles are unacceptable.

Continuous heat must be provided to areas to receive tile to a temperature of 70 degrees F., for at least 48 hours prior to the installation. Maintain 70 degrees F. temperature during, and after the installation, or as recommended by the tile manufacturer, but for not less than 48 hours. Tile stops shall be installed with screws at all exposed edges, and changes of material. Stair treads shall have edging (See Tile Stops and Stair Edging in this section).

When resilient flooring has been sufficiently sealed, all excessive adhesive, or other surface blemishes shall be removed, using a neutral type cleaner, as recommended by the tile manufacturer. Building paper shall be laid atop the finished floor tile installation. All resilient floors shall require cove base (for wet areas see cove base elsewhere in this section), or shoe molding.

Thresholds shall be installed at all bathroom, or laundry room facilities to prevent water used for cleaning, and water from flooded, or overflowing fixtures from flowing into adjacent rooms, or areas. (See Threshold elsewhere in this section).

Vinyl Floor Tile

New tile shall be Armstrong Excelon, GAF Fashioncraft, or approved equal nationally recognized brand, through-grained with a minimum thickness of 1/8" and in conformance with Federal Specifications SS-T-312 TYPE IV.

The floor tile shall be installed in accordance with manufacturer's recommendations, using a moisture, and alkali resistant adhesive recommended by the tile manufacturer.

Clean the existing subsurfaces in preparation to receive the new material. Fill any cracks 1/16 inch wide, and depressions 1/8 inch deep. If underlayment is required, follow the instructions for the product installation, as outlined elsewhere in this manual. Voids, cracks, and/or depressions shall be filled in the underlayment. Sand uneven joints of the wood underlayment to a level, smooth surface, so that the joints will not show through the finish tile.

Apply the adhesive uniformly over subsurface, using a notched trowel, in accordance with tile, and adhesive manufacturer's recommendations. Lay tile with close, even joints, in straight courses. Cut the tile to fit within 1/64 of an inch to all abutting surfaces. All new flooring shall extend under the shoe moldings. The tile shall terminate in a straight line, at the center of doorway, or other openings. The tile shall be 9 inches by 9 inches, or 12 inches by 12 inches. Colors, and patterns shall be homogeneous throughout the full thickness of the tiles.

The tile shall be laid to achieve a thoroughly variegated appearance in finished installations. Center the tile in the room, starting at the midpoint, and working towards the walls. Border tile shall not be less than 4 inches wide.

Upon completion, install new shoe molding or reinstall the existing shoe molding, as required. All damaged shoe moldings shall be replaced with new.

Scribe the flooring to walls as necessary. Undercut the door casing to permit the tile to be installed to the wall, and seal the gap with an approved caulking. On concrete slabs on grade, or below grade, use a leveling latex, as recommended by the tile manufacturer. Prime concrete slabs with a cutback before applying the tile adhesive. Adhesive backed, or self-stick tiles are UNACCEPTABLE. Floors in housing for the elderly shall be slip-resistant.

Sheet, Vinyl Flooring

New flooring shall be Armstrong Inlaid Sheet Vinyl Corlon, or approved equal nationally recognized brand with minimum overall gauge of .065", and installed in accordance with the manufacturer's recommendations.

New Sheet Vinyl for multifamily installation, shall be as follows: Sheet vinyl shall be no less than .080 - .090 inch thick, and have a wearing surface no less than .050 inch (50 mils).

It shall be installed utilizing the same instructions as outlined for tile. Sheet goods shall be installed full size, with a minimum of seams. When being installed in areas of excessive moisture (i.e. bathrooms, utility rooms, and kitchens) it shall be installed seamless, unless the short dimension exceeds 12 feet.

Should a seam be necessary, it shall be located out of the main traffic area. All new flooring shall extend under the base shoe molding. The color transition between rooms, with different floor colors; shall occur at the center of the door, or opening. Resilient flooring shall be laid with tight joints at all points of contact. The color, and pattern, unless otherwise indicated, shall be left to the discretion of the Owner, pending approval of the CDBG Rehab Specialist.

Floors in housing for the elderly shall be slip-resistant. Floors in kitchens, laundries, and bathrooms shall be resistant to damage from grease, water, detergents, and household chemicals. Thresholds shall be installed in excessive wet areas, to prevent water used for cleaning, and water from flooded, or overflowing fixtures from flowing into adjacent rooms, or areas.

Repair Vinyl Tile

Remove the damaged, or worn tile, and lining felt (if it exists), to a sound underlay, and to the edges of sound tile. Remove the entire piece of shoe mold, or resilient base, where the floor removal abuts the wall. Clean the existing subsurface, and prepare it to receive the new material. If underlayment is damaged, or defective, repair, and/or replace it, as necessary. Replacement tile shall match existing in type, size, thickness, color, pattern, and texture.

Repair Sheet Vinyl Seam

At all seams of sheet vinyl flooring, where separation has occurred: brush out all debris; and solvent clean with mineral spirits.

Place a bead of silicone sealant equal to the width of separation, and apply a one-inch wide, stainless steel joint strip on the center of the seam. Secure the stainless steel strip, with 1 1/4 inch, countersunk flathead, Philips head screws, set 6 inches on center, along both edges of the strip.

CARPETING - Single Family

New carpeting for floors, and stairs shall be 100% continuous filament; or a blend of two fibers with at least 20% of one. The average synthetic fiber size shall be 15 denier, or coarser. The carpeting shall contain not more than 2.0 percent chloroform-soluble material. The carpet fiber may be; staple nylon;

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Acrylic; Modacrylic Carpet fiber; Filament Nylon; and/or Polypropylene Olefin continuous filament high bulk, or textured carpet fiber.

It may be: a jute, and latex backing, over rubber cushion; or a detached cushion. Detached cushions may be of Type I - felt; Type II Cellular Rubber; Type III - Urethan foam. Carpet cushion for single family shall be Class I. The new carpet shall conform to HUD UM-44C. The carpet shall show a good rating after being subjected to 40 standard fading hours (4000 Langleys). The carpet colors shall be in the neutral range.

Select solid color, sculptured, or smooth close-loop pile. The final discretion as to color, type and pattern is subject to the Owner's approval.

All carpet, and cushion shall be identified every 10 lineal feet, containing: the name of the manufacturer or a designated, and registered identification number, and the product classification by the type, and class.

The carpet shall be secured in place with a perimeter tackless type stripping, including stairways. Carpet cushion shall comply with UM - 72 Class 1.

All shoe molding, tile stops, and stair edging, shall be removed prior to the installation of new carpeting. New carpeting shall not be installed directly over old existing carpeting, or an unsound subsurface. All floors, and stairs shall be re-nailed, when necessary, to eliminate squeaking. All rough edges at the joints in underlayment shall be sanded smooth. Lay carpet, and pad wall to wall, in conformance with the manufacturer's printed, or written instructions, and in the following manner:

The carpeting shall be stretched tight, free from puckers, scallops, and ripples. The carpeting shall be evenly cut, and fitted closely and evenly into trim strips, and to, and through thresholds, where carpet joins together in doorways. Filler strips in carpeting shall not be less than 12 inches in width, nor less than 36 inches in length.

All carpet shall be lined up so that all lines (weaving) of the carpet match as woven, in both width, and length. Refit all doors, as necessary, so that they clear the carpeting completely when closing, or opening. Remove all loose threads with sharp scissors, clean spots with the proper cleaner, and then vacuum clean the carpeting. Allow only a minimum number of seams; no "T" or "head" seams.

Make seams parallel to, and perpendicular to the walls. Do not place seams perpendicular to the openings. Make cuts under doors at the midpoint of the door thickness, when the door is in the closed position. Lay the carpet with the tufting, or nap in one direction.

For stairs, place seams at the bottom of the riser. Use carpeting that is the full width of the widest portion of the stairway. Wrap carpet, and pad around balustrades; fasten to the tread, and riser face. Fasten the carpet, and pad at the top, and bottom of each riser.

The types of carpet is as follows: Type I Conventional carpet (i.e. level loop, multilevel, tip shear, and random shear, plush, twist, plus cut and loop); Type II is shag carpet; Type III is carpet for use in Housing for the Elderly and Care Type Housing. The types of carpet shall be limited to: low level loop, and plush. (UM 44c. Type I, Class 1).

UNDERLAYMENT

New underlayment shall be plywood, or other approved material. Tempered hardboard, and particle board shall not be used as underlayment for resilient flooring. When plywood is used as underlayment for bathrooms, and utility rooms, it shall be exterior type, C-C plugged underlayment. Plywood shall be 3/8 inch, except that 1/4 inch plywood may be used over plywood sub-flooring, or T & G boards not more than 3 inches wide.

1/4 inch underlayment shall be securely nailed every 6 inches on center, at the intermediate supports; 3/8 inch underlayment shall be securely nailed every 6 inches on center at the perimeter, and every 8 inches on center at the intermediate supports. When resilient flooring is to be installed directly over sub-flooring, the sub-flooring shall be a combination subfloor underlayment plywood.

The types, and grades shall be the same as for plywood underlayment. Plywood shall be: 1/2 inch thick over joist 16 inches on center; 5/8 inch thick over joist 20 inches on center; and 3/4 inch thick over joists 24 inches on center. Sub-flooring shall be securely nailed every 6 inches on center at the perimeter, and every 10 inches on center at the intermediate supports.

MISCELLANEOUS ACCESSORIES Carpet, or Tile Stop, or Bar

The new divider edge shall be aluminum, approximately one inch wide. It shall be attached with countersunk flathead screws. A divider edge for resilient flooring, may be a standard preformed vinyl strip, cemented to the floor. The tile stop for bathroom flooring, shall be a threshold as described below.

Tile stops, and/or bar utilized at uneven thresholds, shall have an incorporated, and offset level design, to eliminate hazardous, and unhealthy tendencies from the accumulation of dust, dirt, etc., underneath the tile stop or bar.

Threshold

A new metal threshold for bathroom, or utility area, shall be aluminum, and shall prevent water used for cleaning, and water from flooded, or overflowing fixtures, from flowing into the adjacent rooms, or areas. It shall be attached with countersunk flathead aluminum screws. The new threshold may be a solid vinyl threshold designed for use at bathroom doorways. A threshold must be installed at all new tile installations in bathrooms. (See also marble threshold in tile setting section).

Stair Edging

New stair tread nosing shall be aluminum. A nosing shall be installed on each tread, and at the landing. Install as per the manufacturer's recommendation. Punched, or stamped metal strips are unacceptable. Install aluminum edging with screws only.

Cove Base

Rubber, or vinyl cove base shall be used in areas of excessive moisture when new the is installed. Wood shoe molding is unacceptable in. these areas. The new base shall be 4 inch high (minimum) rubber, vinyl, or plastic cove base, unless matching an existing base of different material, and height. Use preformed corner pieces, and an adhesive recommended by the manufacturer.

The base shall be neatly installed, and firmly cemented to the walls, and floor. Joints where bathroom floors meet walls, shall be watertight. The base may be "Quik-Stik" type. The color shall be selected by the Owner, and match the new, and/or be compatible with the existing flooring. The cove base shall be 4 inches in height, unless specified otherwise.

09.900 PAINTING, EXTERIOR AND INTERIOR

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GENERAL INSTRUCTIONS

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The quality of all paints, stains, varnishes, and related materials shall equal, or exceed those first grade product lines (and related materials) as manufactured by the following:

Acceptable Manufacturers of Paints, Stains, and Varnishes:

**Benjamin Moore
Cook & Dunn
Durako Paints
Fuller-O'Brien
Mac-O-Lac
Mercury Paints
Olympic Paints
Pratt-Lambert
Standard Detroit
United Paint & Chem.**

**Celanese Corp.
Devoe Paints
Dutch Boy
Glidden Paints
Martin-Senour
N. L. Industries, Paint Div.
Pittsburg Paints
Sherwin-Williams
True Test Paints
U.S. Gypsum**

Acceptable Manufacturers of Stains and Varnishes

**Samuel Cabot, Inc.
The Flecto Co., Inc.
Therez Co.**

**Darworth, Inc.
Olympic Stain
Valspar Corp.**

Acceptable Manufacturers of Sealants:

**Cadillac Plastic & Chemical Company
General Electric Co.
Pecora Chemical Corp.**

**Dow Corning Company
W. R. Grace
Textured Coatings of America, Inc.**

The term "Paints" shall be understood to include, not only paints, but primers, enamels, sealers, stains, and other coatings, plus all painting accessories.

The addition of interior oils, or other thinners, and quick drying additives, shall not be allowed. No adulterations of any kind shall be permitted, except specifically recommended by the manufacturer. Primer and finish coats shall be from the same manufacturer for compatibility and best paint adherence. The minimum dry film thickness of finished film surfaces applied, or called for by this work, shall be:

Enamels on Metal	1 mil;
Latex Paints	1 mil;
Metal Primers	1.5 mils;
Under Coats	1.5 mils;
Oil Paints	1.5 mils;
Oil paints on Masonry	2 mils.

Certain finish coats are formulated to serve as primers, and may be so used, when applied in accordance with the manufacturer's recommendations.

Paint textures of any type, shall not be permitted, without prior written approval from the Owner and the Code Inspector. Paint shall not be applied until all surfaces are thoroughly dry, excepting certain masonry paints formulated for application to wet surfaces. The Contractor shall assume the responsibility for such conditions, and shall make good any work executed prematurely. Any work which is damaged by the Contractor's employees, for any reason, is unacceptable, shall be repaired or redone to match the surrounding areas.

All touch-up painting shall match the surrounding areas. No exterior painting shall be done when the surfaces are damp, or during rainy or freezing weather. No painting shall be done unless the temperature is between 40 degrees F. and 100 degrees F., and the temperature is expected to remain within 20 degrees of the temperature at the application, for the duration of work until paint is dry.

The square foot coverage per gallon, shall be as recommended by the manufacturer. The paint shall have easy brushing properties. The paint shall be kept well stirred during use, and be screened free from slime, lumps, and foreign matter. No paint, nor the residue thereof, shall be used after it is caked or hardened. Paint shall be worked into all corners, voids, and joints.

All surfaces, other than those of metal items, shall receive at least 2 coats of paint, and all coats shall be thoroughly dry prior to the application of the next coat. Additional coats may be required, if the finish surface does not provide acceptable coverage or hiding. The finished work shall be a uniform color, and have a uniform surface sheen/texture. Where paint adjoins other materials, or where different colors meet, the edges of the paint shall be sharp and clean. Upon completion, the entire area shall be cleaned, and left in a neat condition.

Items or surfaces for which colors or finishes are not specified, shall be painted or finished to match the adjacent background, or adjacent finish colors and stains. Such items shall include, but not be limited to, roof vents (color of roof), covers, housings, brackets, piping, duct work, drain pipes, conduits, access panels, unfinished or prime coated hardware, grilles, registers, louvers, cabinets, electrical panels, and similar items.

In all cases, the major colors of paint, siding, trim, etc. shall be compatible with the general character of the neighborhood. The complete assembly of storm windows and/or screens shall be removed prior to painting. The Contractor shall reinstall the storms, per the instructions as outlined in Section 08.600 - Storms and Screens.

New and previously un-painted hardware accessories, and electrical equipment, are not to be painted. The painter shall remove these items, as necessary, reinstalling them when his work is completed. The choice of color shall be approved by the Owner, in writing, prior to the application.

SPECIAL INSTRUCTIONS (LEAD BASED PAINT REMOVAL)

All lead base paint shall be removed per the Work Write-Up instructions, and be in accordance with the most current HUD requirements and the State of Mississippi.

The treatment shall correct conditions of cracking, scaling, peeling, and/or loose paint, on the specified areas. All such surfaces, which require treatment, shall be thoroughly washed, sanded, scraped, or wire brushed so as to remove all cracking, scaling, peeling, and/or loose paint, to a point where the paint is firmly bonded to the surface, such that the immediate hazard of peeling or flaking paint, no longer exists.

Where it is not feasible to control or correct the cracking, scaling, peeling, or loosening of paint, and the integrity of the treated surface cannot be maintained, the paint on these surfaces shall be removed or covered with material such as drywall, plywood, or other suitable material.

The provisions of these specifications are the policy of HUD and the EPA. They shall not be construed as relieving anyone of responsibility for compliance with local ordinances.

Safety - The Lead Based Paint Abatement Contractor shall take all necessary precautions to assure all work is accomplished in a safe manner and that all materials are used and stored in accordance with the manufacturers recommendations.

Respirators (approved for toxic dust and fumes) shall be worn by all workmen if de-leading by scraping, heating and scraping or solvent stripping to avoid inhaling toxic dust and/or fumes. Work areas shall be closed off in occupied dwelling units to assure that no toxicants are inhaled by the occupant. Forced or

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natural ventilation shall be used in work areas to keep dust and/or fumes to a minimum level. All possible care shall be taken to direct the exhaust air away from occupied areas.

No poisonous or harmful material, or dangerous equipment shall be left accessible to the tenants of any occupied units. All such material and equipment shall be removed from the site at the end of each work day.

The Contractor shall provide any other required safety equipment for his workmen, to assure that the workmen are not exposed to hazards.

Disposal of waste material - The Contractor shall remove all waste material from the work site by a HEPA vacuum cleaner or other suitable means at the end of each working day, in the occupied dwellings and at the end of the work in unoccupied dwellings. The waste materials shall be disposed of in a safe manner, and any materials containing lead base shall not be salvaged.

EXTERIOR PAINTING Extent of Work

Paint all previously painted exterior surfaces of the denoted structure i.e. Dwelling, Garage, Storage Building, etc, is to be construed as applying a complete prime coat and a complete finish coat of paint to exterior exposed surfaces of the structure.

This is to include all;

Rakes, Fascia, Soffits, Frieze Boards, and all related trim.

Wood Siding, and All previously painted Aluminum, Asbestos, Brickote, or Shingle siding.

Wood and Metal Windows including sash, muntins, glazing compound, frames, mullions, sills, and related trim. Storm windows and/or inserts may have to be removed to facilitate painting and must be re-installed upon completion.

Prime Doors, door frames, thresholds, and related trim.

All attachments to the structure i.e. Gutters, Downspouts, Porches, Awnings, Wood Storm Windows, Shutters, Railings, and Guardrails.

NOTE: Do not paint any of the above if they have a Baked Factory Applied Finish unless specifically scheduled in the work description.

Primer and paint are to be applied only after surface preparation and other conditions are met as spelled out in the General and Special Instructions.

Special Instructions

In general: remove all existing loose, scaling, peeling, or cracking paint; scrape, sand, or wire brush the surfaces to a smooth condition, ready to receive finish; feather the edges into sound adjoining surfaces; and clean the dust prior to painting.

Such treated surfaces shall receive 2 coats of paint. Protect all glass, screen, and finished surfaces adjacent to the area to be painted. Remove all paint misapplied to non-painted areas. For wood, shellac knot holes, pitch pockets, and sappy portions, or seal with knot sealer.

On steel and iron, remove grease, oil, dirt, and dust. Touch-up chipped and abraded primer on items that have been shop primed, using the same type of primer. On plaster, concrete, or masonry, if high alkali is present, neutralize to suitable levels. If high moisture is present, dry out the surfaces first. Secure all loose material, and reset the nails, as necessary. Caulk at all joints where caulking is deteriorated, or missing. Also remove all miscellaneous nails, hooks, screws, tacks, etc.

The resulting holes (those no larger than a dime) shall be filled with linseed oil putty or caulking compound, depending on the surface material. All patches shall be smoothly done, and all rough, or abrupt edges shall be sanded smooth. All vents in surfaces to be painted shall first be swept clean, and have the paint from paint-plugged openings removed.

All windows, doors, and other openings shall be recaulked. All dried out, or otherwise deteriorate glazing compound or linseed oil putty (including points for holding glass in the sash) shall be replaced, as necessary. If any area to be painted shows signs of mildew, those areas shall be treated with a good fungicide and the entire area shall be thoroughly dry before the painting is begun.

Any and all areas on the exterior that show signs of deteriorated, rotted, and/or defective surfaces or subsurfaces, that the Contractor is not scheduled to replace, shall be brought to the immediate attention of the CDBG Rehab Specialist and Land Development Code, Code Inspector. Work within the given area, shall be held in abeyance pending final assessment of the CDBG Rehab Specialist, to determine if a Change Order is warranted.

Wood Trim, Millwork and Siding

Sandpaper new millwork prior to the application of primer or stain. Reset all loose nails, and putty all nail holes and minor cracks in wood with putty recommended for exterior applications, after spot priming these areas with exterior primer/sealer. Apply one coat of exterior primer/sealer to all new and bare wood surfaces. Then apply two coats of exterior, non-chalking, oil base or latex paint to all wood surfaces. Doors and sash and their trim shall be gloss, semigloss or satin finish. Use oil shingle paint for wood shingles and shakes.

When painting porches, do not paint natural finish ceiling surfaces unless painting of them is specifically noted. First prepare these surfaces to be refinished. Apply two coats of spar varnish recommended for exterior use. Note: Exterior Polyurethane may be used.

Likewise, do not paint natural finish wood shingles, shakes or rough sawn siding, unless painting of this siding is noted. Instead, apply two coats of oil or pigmented oil stain. Stain sealers or varnish are unacceptable finishes for these surfaces.

Wood Doors

Natural finish doors shall have a natural finish applied, and are not to be painted unless specifically noted. Prep doors prior to applying the new finish. All door edges shall be eased (sanded). Edges, including the top and bottom, shall have one coat of water repellent preservative, and at least two coats of spar varnish formulated for exterior use applied.

Natural finish for existing doors shall be at least two coats of spar varnish formulated for exterior use. Paint for new doors shall be one coat of exterior primer/sealer and two coats of exterior oil base or latex paint. Both new and existing doors, when scheduled to be painted shall be gloss, semi-gloss, or satin finish.

Wood Steps, Deck, and Wood Fence Parts

Caulk the joints between wood surfaces and walls, with a silicone sealant, as necessary. Reset all loose nails. Apply one coat of exterior primer/sealer to all new and bare wood surfaces. Then apply to both primed and previously painted surfaces, at least two coats of oil base, or latex enamel designed for exterior use. (Porch and Deck Enamel).

Concrete and Masonry Surfaces

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If a high alkali is present, neutralize the areas to a suitable level. Tuckpoint or patch, as necessary, prior to the paint application. Apply at least two coats of resin-emulsion paint, solvent rubber paint, or floor and deck enamel, to horizontal surfaces. On previously tiled floors, care shall be taken to remove the adhesives used for securing the tiles. A sealant shall be applied to cover those areas where adhesive remains. All materials used shall be checked for compatibility prior to usage. If oil base paint is used, neutralize surfaces before painting. Walls shall receive at least two coats of paint formulated for use on masonry and/or concrete surfaces.

Galvanized Gutter and Downspouts

Spot prime metal gutters with zinc dust, using a zinc oxide primer, where necessary, and then apply at least one coat of rust inhibitive, exterior paint. The inside surfaces of the gutters shall be completely primed.

Metal Windows and Miscellaneous Steel/Iron

Remove all grease or oil with agents recommended by the paint manufacturer. The areas to be painted shall be cleaned of dust and dirt. New wrought iron, if not factory painted, shall be primed with at least one coat of zinc chromate primer. Spot prime all other metal, when scheduled, with zinc dust, zinc oxide prime where necessary. Then apply at least one coat of rust inhibitive, exterior enamel paint.

Asbestos Shingle Siding

Previously painted asbestos shingle siding, shall have loose, scaling, peeling, or cracking paint removed. Apply two coats of waterproof masonry paint with a brush or roller. On virgin shingles, use an oil base shingle stain, as per the manufacturer's instructions.

Exterior Stucco Plaster

When stucco plaster is scheduled to be painted, the application and type of paint shall be the same as for exterior masonry walls. Paints formulated for alkaline surfaces are recommended.

INTERIOR PAINTING AND DECORATING

Extent of Work

In all rooms, halls, and stairways, to be decorated, the contractor shall include all walls and ceiling surfaces (unless otherwise specified), all closets, linen closets, nooks, previously painted; doors, windows, wood trim, shelves, and kitchen/pantry cabinets (including interior surfaces),

Special Instructions

All surfaces to be painted shall have all loose, blistered, and scaling paint removed, and they shall be thoroughly cleansed to receive the new paint.

Wallpapered Surfaces: All wallpaper shall be removed prior to painting, unless otherwise specified. Contact Owner and Rehab Specialist for procedure on specification change. Remove all miscellaneous nails, hooks, screws, tacks, shade holders, shade brackets, etc., from the walls and millwork.

All remaining holes (those no larger than a dime) shall be filled with spackling compound or linseed oil putty, depending on the surface material. All patches shall be smoothly done, and all rough or abrupt edges shall be sanded smooth. Seal all unremovable grease spots or stains, with shellac, so that they do not "burn through" the new paint.

All natural finished surfaces shall have a natural finish applied, unless they are scheduled to be painted in the Work Description. Kill stain, or seal all varnished wood before painting, so that the desired coverage is obtained. If any area to be painted shows signs of mildew, those areas shall be treated with a good fungicide, and the entire area shall be thoroughly dry before the painting is begun.

A closet is considered to be part of the room in which it is located. Closet rods and shelving (unless prefinished metal that is either new or in good condition) and bracing and drawers, shall be painted in semi-gloss, gloss, or satin finish. All natural finished surfaces shall have a natural finish applied, unless they are scheduled to be painted in the Work Description.

Any and all wood work, including access panels etc., shall be painted with semi-gloss, gloss, or satin sheen finish. All kitchens, bathrooms, utility rooms, furnace rooms, laundry rooms, and stairways from basements, shall be painted with semi-gloss or satin sheen finish.

All common areas in multifamily structures shall be painted with semi-gloss, or satin sheen finish. All rooms or areas shall be solid colors throughout. Wood work shall be of the same color, unless it has an existing natural finish, except as scheduled in the Work Description.

Closets shall be the same color as the rooms. Two-tone colors shall not be permissible, unless specifically noted within the structure of the contract. The choice of color shall be approved by the Owner in writing (with confirmation by the Housing Coordinator), prior to the application.

Drywall or Plaster Walls and Ceiling

Hairline cracks, and scraper dents shall be spackled and sanded. Open cracks shall be raked out and damaged plaster shall be removed. Apply new plaster in coats thin enough to prevent shrinkage. Include drywall tape, if needed. All repair work when completed, shall match the existing surfaces, present a neat appearance, and be free of hairline cracks and bulges. All surfaces shall be washed prior to painting.

Previously painted surfaces shall receive at least two coats of interior latex or oil base paint.

New plaster or drywall shall receive a first coat of interior latex primer. The surfaces shall then be painted, with at least two additional coats of paint.

The surfaces shall be painted with a roller and/or brush. **SPRAY PAINTING OF ANY TYPE IS NOT ALLOWED, UNLESS SPECIFICALLY REQUESTED IN THE CONTEXT OF THE WORK Write-Up.**

Wood Windows and Doors

Painting: All door edges shall be eased. If wood is open grain type, fill or seal the surfaces to prevent the grain rising. Apply one coat of suitable oil base primer to all new and bare wood surfaces. Then apply at least two coats of interior semi-gloss or satin sheen enamel to all surfaces. All edges (top, sides, and bottom) shall be painted the same as the door faces. The color shall match the adjacent wall surfaces, except as scheduled in the Work Description, and/or approved by the Owner, in writing. The paint shall be applied with a brush only.

Natural Finish: All door edges shall be eased. Apply one coat of penetrating sealer to all trimmed door edges. All interior doors, if not prefinished, shall receive at least two coats of spar varnish. Edges (top, sides, and bottom) shall be finished the same as the door faces. The backsides of all closet doors shall be finished. The varnish shall be applied with a brush only.

Wood Trim Millwork, Paneling, Cabinet Work, and Shelving

It is not intended that cabinet work, and other wood surfaces, scheduled for refinishing or painting, are to be completely stripped down to bare wood. Rather, it is intended that scratches and other surface

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blemishes, shall be treated so as to make them unnoticeable. Stain, or prime and finish as necessary. Clean the inside of all cabinets and drawers (removing any shelf liner, wallpaper, etc.) prior to applying the finish or paint.

Clean and wax all cabinet work and paneling. All existing surfaces covered in this section shall receive a semi-gloss or satin sheen finish. Cabinets which are painted on the interior, and varnished on the exterior surfaces (or vice versa) shall be finished in the same manner, unless specifically stated to the contrary.

Paint: Sandpaper new millwork prior to the application of the primer. Reset loose nails. All nail holes shall be filled and sanded prior to painting. If new wood is open grain type, fill or seal the surfaces to prevent the grain rising. Apply one coat of a suitable primer to all new and bare wood surfaces. Then apply at least two coats of interior semi-gloss or satin sheen finish to all surfaces. The color shall match the adjacent wall surfaces, unless scheduled otherwise. Application by brush only.

Natural Finish: Sandpaper new millwork prior to the application of stain. All wood to be refinished, shall be first prepared as necessary to receive the new finishes. Loose nails shall be reset and all holes shall be filled with linseed oil putty. If new wood is open grain type, the surfaces shall be filled or sealed to prevent the grain rising. New or bare-wood shall be stained to be similar to the existing. All natural finish wood shall receive at least two coats of varnish, shellac, lacquer, or clear plastic coating, as appropriate to its intended use. Application by brush only.

Wood Stairs

Reset all loose nails. Sand all surfaces, as necessary, to provide reasonably smooth surfaces. Then apply at least two coats of an oil base enamel, or (if scheduled) a natural finish.

Concrete and Masonry Surfaces

Apply at least two coats of resin-emulsion paint, solvent rubber paint, or floor and deck enamel to the scheduled concrete floors. If an oil base paint is used, neutralize the surface before painting. Walls shall receive at least two coats of paint formulated for use on masonry and concrete surfaces. Surfaces which have been waterproofed, shall be treated as per the manufacturer's instructions, prior to painting.

Miscellaneous Metal Items

New metal, if not factory primed and painted, shall be primed with one coat of an alkyd primer and then painted with two coats of interior semi-gloss enamel (latex base). An acceptable alternate would be a primer coat of rust inhibiting paint and a finish coat of interior semi-gloss enamel (oil base). Existing metal shall be spot primed, as necessary, and then painted with at least one coat of interior semi-gloss enamel (latex base). The color shall match adjacent wall surfaces,, unless scheduled otherwise.

Wallpaper

Plastered surfaces, which are to receive wallpaper, shall be thoroughly dry and be neutralized with a zinc-sulfate solution, if necessary. Surfaces being papered with other vinyl type wall covering, shall be coated with a sizing before papering. Drywall, which is to receive wallpaper, shall be sealed with a coat of latex, oil, or varnish base sealer. The color and pattern shall be selected by Owner, in writing, prior to the application.

Structural Steel

New structural steel shall be primed, or be factory coated prior to installation. After thoroughly cleaning the structural steel, spot prime bare areas with a zinc chromate primer. If steel is exposed, then apply at least one coat of a rust inhibitive oil base paint. The color shall match adjacent wall, unless scheduled otherwise. The paint shall be applied by brush only.

INTERIOR PAINTING AND DECORATING

Special Instructions

All surfaces to be painted shall have all loose, blistered, and scaling paint removed, and they shall be thoroughly cleansed to receive the new paint.

Wallpapered Surfaces: All wallpaper shall be removed prior to painting, unless otherwise specified. Remove all miscellaneous nails, hooks, screws, tacks, shade holders, shade brackets, etc., from the walls and millwork.

All remaining holes (those no larger than a dime) shall be filled with spackling compound or linseed oil putty, depending on the surface material. All patches shall be smoothly done, and all rough or abrupt edges shall be sanded smooth. Seal all unremovable grease spots or stains, with shellac, so that they do not "burn through" the new paint. All natural finished surfaces shall have a natural finish applied, unless they are scheduled to be painted in the Work Description. Kilz stain, or seal all varnished wood before painting, so that the desired coverage is obtained. If any area to be painted shows signs of mildew, those areas shall be treated with a good fungicide, and the entire area shall be thoroughly dry before the painting is begun.

A closet is considered to be part of the room in which it is located. Closet rods and shelving (unless prefinished metal that is either new or in good condition) and bracing and drawers, shall be painted in semi-gloss, gloss, or satin finish. All natural finished surfaces shall have a natural finish applied, unless they are scheduled to be painted in the Work Description. Any and all wood work, including access panels etc., shall be painted with semi-gloss, gloss, or satin sheen finish. All kitchens, bathrooms, utility rooms, furnace rooms, laundry rooms, and stairways from basements, shall be painted with semi-gloss or satin sheen finish. All common areas in multifamily structures shall be painted with semi-gloss, or satin sheen finish.

All rooms or areas shall be solid colors throughout. Wood work shall be of the same color, unless it has an existing natural finish, except as scheduled in the Work Description. Closets shall be the same color as the rooms. Two-tone colors shall not be permissible, unless specifically noted within the structure of the contract. The choice of color shall be approved by the Owner in writing (with confirmation by the CDBG Rehab Specialist, prior to the application.

Drywall or Plaster Walls and Ceiling

Hairline cracks, and scraper dents shall be spackled and sanded. Open cracks shall be raked out and damaged plaster shall be removed. Apply new plaster in coats thin enough to prevent shrinkage. Include drywall tape, if needed. All repair work when completed, shall match the existing surfaces, present a neat appearance, and be free of hairline cracks and bulges.

All surfaces shall be washed prior to painting. Previously painted surfaces shall receive at least two coats of interior latex or oil base paint. New plaster or drywall shall receive a first coat of interior latex primer. The surfaces shall then be painted, with at least two additional coats of paint.

The surfaces shall be painted with a roller and/or brush. **SPRAY PAINTING OF ANY TYPE IS NOT ALLOWED UNLESS SPECIFICALLY REQUESTED IN THE CONTEXT OF THE WORK SCHEDULE.**

Wood Windows and Doors

Painting: All door edges shall be eased. If wood is open grain type, fill or seal the surfaces to prevent the grain rising. Apply one coat of suitable oil base primer to all new and bare wood surfaces. Then apply at least two coats of interior semi-gloss or satin sheen enamel to all surfaces. All edges (top, sides, and

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bottom) shall be painted the same as the door faces. The color shall match the adjacent wall surfaces, except as scheduled in the Work Description, and/or approved by the Owner, in writing. The paint shall be applied with a brush only.

Natural Finish: All door edges shall be eased. Apply one coat of penetrating sealer to all trimmed door edges. All interior doors, if not prefinished, shall receive at least two coats of spar varnish. Edges (top, sides, and bottom) shall be finished the same as the door faces. The backsides of all closet doors shall be finished. The varnish shall be applied with a brush only.

Wood Trim Millwork, Paneling, Cabinet Work, and Shelving

It is not intended that cabinet work, and other wood surfaces, scheduled for refinishing or painting, are to be completely stripped down to bare wood. Rather, it is intended that scratches and other surface blemishes, shall be treated so as to make them unnoticeable.

Stain, or prime and finish as necessary. Clean the inside of all cabinets and drawers (removing any shelf liner, wallpaper, etc.) prior to applying the finish or paint. Clean and wax all cabinet work and paneling.

All existing surfaces covered in this section shall receive a semi-gloss or satin sheen finish. Cabinets which are painted on the interior, and varnished on the exterior surfaces (or vice versa) shall be finished in the same manner, unless specifically stated to the contrary. Areas requiring repairs (whether specified or not) are to be placed into a sound condition, prior to applying finishes.

Paint: Sandpaper new millwork prior to the application of the primer. Reset loose nails. All nail holes shall be filled and sanded prior to painting. If new wood is open grain type, fill or seal the surfaces to prevent the grain rising. Apply one coat of a suitable primer to all new and bare wood surfaces. Then apply at least two coats of interior semi-gloss or satin sheen finish to all surfaces. The color shall match the adjacent wall surfaces, unless scheduled otherwise. Application by brush only.

Natural Finish: Sandpaper new millwork prior to the application of stain. All wood to be refinished, shall be first prepared as necessary to receive the new finishes. Loose nails shall be reset and all holes shall be filled with linseed oil putty. If new wood is open grain type, the surfaces shall be filled or sealed to prevent the grain rising. New or bare-wood shall be stained to be similar to the existing. All natural finish wood shall receive at least two coats of varnish, shellac, lacquer, or clear plastic coating, as appropriate to its intended use. Application by brush only.

Wood Stairs

Reset all loose nails. Sand all surfaces, as necessary, to provide reasonably smooth surfaces. Then apply at least two coats of an oil base enamel, or (if scheduled) a natural finish.

Concrete and Masonry Surfaces

Apply at least two coats of resin-emulsion paint, solvent rubber paint, or floor and deck enamel to the scheduled concrete floors. If an oil base paint is used, neutralize the surface before painting. Walls shall receive at least two coats of paint formulated for use on masonry and concrete surfaces. Surfaces which have been waterproofed, shall be treated as per the manufacturer's instructions, prior to painting.

Miscellaneous Metal Items

New metal, if not factory primed and painted, shall be primed with one coat of an alkyd primer and then painted with two coats of interior semi-gloss enamel (latex base).

An acceptable alternate would be a primer coat of rust inhibiting paint and a finish coat of interior semi-gloss enamel (oil base). Existing metal shall be spot primed, as necessary, and then painted with at least

one coat of interior semi-gloss enamel (latex base). The color shall match adjacent wall surfaces, unless scheduled otherwise.

Wallpaper

Plastered surfaces, which are to receive wallpaper, shall be thoroughly dry and be neutralized with a zinc-sulfate solution, if necessary. Surfaces being papered with other vinyl type wall covering, shall be coated with a sizing before papering. Drywall, which is to receive wallpaper, shall be sealed with a coat of latex, oil, or varnish base sealer. The color and pattern shall be selected by Owner, in writing, prior to the application.

Structural Steel

New structural steel shall be primed, or be factory coated prior to installation. After thoroughly cleaning the structural steel, spot prime bare areas with a zinc chromate primer. If steel is exposed, then apply at least one coat of a rust inhibitive oil base paint. The color shall match adjacent wall, unless scheduled otherwise. The paint shall be applied by brush only.

11.000 EQUIPMENT

CONTENTS

11.100 APPLIANCES

GENERAL INSTRUCTIONS

When installing new appliances, it is intended that any existing appliances shall be removed, and disposed of. All equipment shall match the existing in size, style, and color unless instructions to the contrary are specified.

Any modification to the surrounding material, or surfaces shall be included in order to achieve an installation that is neat, and finished in appearance.

The installation shall be done according to the manufacturer's recommendations. Any change to these instructions shall be approved by the **CDBG Rehab Specialist** before the work is commenced. All work shall be coordinated with the necessary trades, to allow for a reasonable completion date.

All guarantees, and warranties relative to the installed appliances, shall be given to the Owner, with copies provided to the **CDBG Rehab Specialist**.

INSTALL NEW APPLIANCE

Ranges and Ovens

New replacement of the entire unit must include the following:

Electric Ranges

- Be a minimum 30 inches wide, freestanding, unless otherwise specified.
- Consist of a conventional electric coil, including drip bowls.
- Contain a hinged cooktop.
- Be self-cleaning

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Gas Ranges

- Be 30 inches wide, freestanding, unless otherwise specified.
- Shall have removable drip bowls.
- Shall have Electronic ignition.

Refrigerators

New replacement of units must include the following:

- Automatic defrost cycle.
- Ice making capacity of six hours or less.
- Leveling rollers that can be locked to keep the refrigerator in place.
- Contain a minimum of 1 meat/vegetable drawer.

The replacement refrigerator shall be no smaller in cubic feet than the existing unit. (Minimum 16 cubic feet)

APPLIANCE REPAIR

Repair Kitchen Ranges and Ovens

The repair, or replacement of defective, or missing parts, shall cover the following items: Oven door, and drawer seals; door, and drawer handles; door window glass; drawer glides, racks, or shelves; heating elements, or burners; drip pans; oven liner; control switches, or dials; and controls.

Replace, and/or replace all defective, or missing parts. Clean the gas burner, or electric heating elements. Re-assemble the unit, adjusting the controls, and other operating parts.

Repair Refrigerator

The repair, or replacement of defective, or missing parts, shall cover the following items: Door handle; door latch; door hinges; condensate drip pan; lamps; ice maker assembly; and storage drawers.

Repair, and/or replace all defective, or missing parts. Vacuum the refrigerator coils, and underside of the appliance. Clean the interior, and exterior surfaces.

Repair Dishwasher

The repair, or replacement of defective, or missing parts shall cover the following items: Door handle; door latch; hinges or glides; door and unit seals; controls; dish racks and glides; cutlery rack; spray unit; detergent dispenser; hoses and hose connections; and air gap valve.

Repair, and/or replace defective, or missing parts. Adjust the controls, and re-assemble the unit. Adjust all operating parts. Run the dishwasher through a complete cycle, making any further adjustments required.

Repair Garbage Grinder (Disposal)

The repair, and/or replacement of defective, or missing parts shall cover the following items: the drain connection; sink stopper/operator; and electrical cord, or "pig tail".

Repair Trash Compactor

The repair, or replacement of defective, or missing parts shall cover the following items: Door insert panel; door hinges; toe touch door opener, trash bucket door handle; air freshener; and the controls.

Repair, and/or replace the defective, or missing parts. Adjust all operating parts, and controls. Clean all interior, and exterior surfaces exposed to view.

Repair Range Hood - Exhaust Hood

The repair, or replacement of defective, or missing parts shall cover the following items: Knobs; switch controls; filter; filter frame; bulb; fan assembly; exterior exhaust housing; and light shield.

Repair, and/or replace the defective, or missing parts. Clean all surfaces, and filters as per the manufacturer's recommendations. Care shall be taken with the usage of degreasers so as to not harm surfaces.

15.000 MECHANICAL

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15.100 Plumbing

15.200 Heating

15.100 ROUGH AND FINISH PLUMBING

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GENERAL INSTRUCTIONS

All materials, piping, fitting, fixtures, etc. shall conform to the latest ANSI (American National Standards Institution), ASTM American Society for Testing and Materials), CS (Commercial Standards) FS (Federal Specifications). All equipment and materials used shall be new and clearly marked to permit identification of manufacturer, model and type.

The Contractor shall furnish all instruments, gauges and equipment required for testing and shall perform those tests required by the related authorities. Equipment, materials or work found to be defective during testing shall be evaluated by the Code Inspector, and the contract documents adjusted to effect the proper repair or replacement.

The Contractor shall be responsible for securing all permits, approvals, inspections and licenses required for the work of this section.

All replacement sewer, water, or gas, systems shall be installed complete and, if necessary, final connections shall be made to the sewer main, gas meter or water meter.

All equipment and items installed under this section shall operate safely, without leakage, undue noise, vibration, corrosion or water hammer. All fixtures shall be securely supported so that no strain is placed on the connected piping. All work, fixtures and materials shall be protected at all times.

All excavation and backfill necessary for the installation of new underground piping shall be a part of the work of this section. The trenches shall be backfilled evenly and be thoroughly compacted using acceptable fill materials as described earlier in the manual. In no case shall the excavation for trenches

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undermine or disturb the stability of the building foundations or concrete located in the public or easement areas.

When rough-in for new equipment requires connections to the existing plumbing system, the Contractor shall obtain all necessary data on locations, sizes, connections, fittings and arrangements needed to assure the proper installation of that equipment.

All drilling, cutting and patching necessary for the proper installation of work under this section shall be done by the Contractor. All patching shall be of the same materials, workmanship and finish as the original work shall accurately match all surrounding work.

Fixtures and equipment furnished by others which require plumbing connections to waste, water, vent or gas piping shall be connected by the Contractor.

All work shall be done without critical damage to structural members.

Sleeving shall be provided as required and upon completion of rough-in work, sleeves shall be made sound and fire tight.

Penetration of stud and masonry walls, floors and ceilings shall be fire-stopped according to code.

All joints and connections in the plumbing and drainage system shall be gas and water tight for the pressures required by the test of the system, with the exception of those portions of the piping which are installed for the purpose of leading ground and seepage water to the underground storm drains.

The Contractor shall be required to wet test all plumbing systems at the expected working pressure of the system after all repairs and or replacements have been made and prior to the ordering of inspections.

Gas lines shall be blown clean with compressed air; all valves and filters shall be checked.

All escutcheon plates shall be installed tight, caulk if necessary.

The entire new installation shall be left in a neat, clean and usable condition.

PERMITS - LICENSES

The Contractor shall comply with all local building, plumbing, fire, and ordinances as amended of the local or State governing body having jurisdiction over the job site.

The Contractor shall comply with the City of Hattiesburg or State licensing boards which govern or have jurisdiction over the job site and/or area.

SPECIAL INSTRUCTIONS

Drainage pipe shall be cast iron, galvanized steel, galvanized wrought iron, lead, copper brass, ABS, PVC or other approved materials having a smooth and uniform bore, except that no galvanized wrought iron or galvanized steel pipe shall be used underground and shall be kept at least 6 inches above ground. ABS and PVC pipe when installed in buildings over two stories in height shall be equipped with either restrainer fittings or expansion joints installed in accordance with industry recommendations as approved by the Code Inspector. On multifamily structures check with local codes for correct material usage requirements which may vary according to height and usage of building.

Drainage fittings shall be of cast iron, malleable iron, lead, brass, copper, ABS, PVC or other approved materials having a smooth interior waterway of the same diameter as the piping served and all such fittings shall conform to the type of pipe used. Burred ends shall be reamed to the full bore of the pipe. The treads of drainage fittings shall be tapped so as to allow 1/4 inch per foot grade.

Galvanized iron shall be standard weight, threaded, hot-dipped zinc-coated, welded or seamless steel pipe; ASTM A120, schedule 40. Standard weight, plain end, hot-dipped zinc-coated, welded steel pipe;

ASTM A120, Class P, schedule 40. Steel shall be standard weight, threaded, black welded or seamless steel pipe; ASTM A120, schedule 40.

Fitting for threaded shall be malleable iron or steel, 150 pound. Forged steel, 2000 pound. Solder-type shall be steel. Compression couplings shall be steel body, 150 pounds per square inch.

Buried galvanized iron shall have a coal tar coating while buried steel shall have a factory applied plastic coating with field applied tape wrap.

Standard copper water tubing shall be ASTM B88, Type K, L, M. Copper water tube fittings on compression type shall be brass fittings for flared copper tubes, ANSI, B16.26. Solder type shall be cast bronze solder-joint pressure fittings, ANSI B 16.18.

Plastic pipe shall be polyvinyl chloride (PVC) in standard uniform lengths. No surface scratches shall exceed 10% penetration. Push-On Joint shall have 160 pounds per square inch rating, standard dimension ratio (SDR) 26. Compression couplings shall have a steel body with 150 psi.

Stainless steel pipe shall be seamless annealed stainless steel tubing: AISI Type 304, schedule 10. Standard steel tube fittings shall be compression type for stainless steel tubing, AISI Type 316.

Sewer pipe and fittings shall be as follows:

Asbestos cement: Asbestos cement building sewer pipe, Class 2400 with flexible rubber ring joints.

Concrete: Non reinforced extra strength concrete with single-rubber-ring gasket.

Plastic: Polyvinyl chloride (PVC) sewer pipe and fittings or Styrene-Rubber (SR) sewer pipe and fittings solvent welded or push-on joints.

Vitrified clay pipe: Extra strength glazed vitrified clay sewer pipe with factory molded plastic compression joints..

Cast iron soil pipe: Bell and spigot for service and extra heavy weights - ASTM A74, with or without spigot bead. Hubless shall be Cast Iron Soil Pipe Institute (CISPI 301, with or without spigot bead.

Joining materials shall be as follows:

For galvanized iron or steel: Teflon thread or joint compound as recommended by pipe manufacturer.

Solder joints: Wire solder and flux as recommended by pipe manufacturer.

For plastic pipe: Lubricant to be manufacturer recommended for gasket push-on joints and suitable for potable (drinking) water service.

Solvent weld plastic pipe: As recommended by the manufacturer for solvent welded connections.

For sanitary sewer pipe: Field cut joint couplings to utilize flexible PVC couplings for spigot end pipe with stainless steel bands. Repair clamps and clamp couplings shall utilize the minimum length required to cover damaged portion of pipe. Materials as follows: Neoprene sealed to band gasket; stainless steel band; malleable iron lug; cadmium plated steel bolts and nuts. Gasket joints shall be preformed plastic or rubber gaskets. Lubricants shall be recommended by manufacturer for gasket joints. Solvent cement shall be as recommended by the manufacturer for welded connections.

Pipes passing under or through walls shall be protected from breakage. Any plumbing pipe passing under a footing or through a foundation wall must comply with the 2003 International Residential Code for One- and Two-Family Dwellings.

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Each plumbing fixture trap, except as otherwise provided for shall be protected against siphonage and back pressure, and air circulation shall be assured throughout all parts of the drainage system by means of vent pipes. The floor drain (where used as such) need not be vented, provided it is within 25 feet of a stack or horizontal drain which has at least a 3 inch extension through the roof.

Appliances, devices, equipment, or other apparatus not regularly classed as plumbing fixtures, which are equipped with pumps, drips or drainage outlets, may be drained by indirect waste pipes discharging into an approved type open receptor.

A standpipe for an automatic clothes washer need not be separately vented provided the standpipe is used with a cast iron "P" trap, the "P" trap has a cleanout on the sewer side of the trap, the "P" trap is within 24 feet of a 3 inch stack which extends through the roof, and the standpipe shall not exceed 5 feet in height above the finished floor.

No food waste disposal unit shall be installed with any set of sinks or double compartment sinks served by a single trap; each such food waste disposal unit shall be connected to a separate trap. Each domestic clothes washer and each laundry tub shall be connected to a separate and independent trap; except that a trap serving a laundry tub may also receive the waste from a clothes washer set adjacent thereto. No clothes washer or laundry tub shall be connected to any trap for a kitchen sink.

The vertical distance between a fixture outlet and the trap wye shall be as short as practicable, but in no case shall the tail piece from any fixture exceed 24 inches in length..

All equipment for heating and storage of hot water for domestic purposes, when installed, repaired, replaced, relocated or reconnected, shall be equipped with acceptable listed emergency protective devices to prevent excessive pressure and excessive temperature as hereinafter described. These emergency devices shall be of the following classifications:

A combined temperature and pressure relief valve.

A separate pressure and a separate temperature relief valve.

A separate pressure relief valve with a gas shut-off valve.

Each pressure or combination temperature and pressure relief valve shall be listed automatic type with drain, and each relief valve shall be set at a pressure of not more than 150 pounds per square inch and in no case shall this setting exceed the specified working pressure of the vessel.

Each combination temperature and pressure relief valve, temperature relief valve or gas shut-off device shall be installed with its temperature sensing element immersed in the water within the top 6 inches of the tank served and shall be set to operate at 210 degrees F. (99 degrees C.) or less and shall be so sized and designated as to prevent any further rise in temperature.

Storm water shall not be drained into sewers intended for sanitary sewage only. Roofs and paved areas such as parking areas, driveways, areaways, yards courts, and court yards shall be drained into a storm sewer system or a combined sewer system where such systems are available.

Where guttering and downspouts are provided on such dwelling, and the leaders are not connected to a sewer, such shall discharge on splash blocks of suitable size and permanent material, and so arranged as to conduct the water away from the foundation wall, provided that no collected drainage water away from the foundation wall, provided that no collected drainage water shall be discharged on or across the property of others.

New piping at the exterior of a building shall be at least 42 inches below grade. Piping shall run parallel to the building construction and be neat and workmanlike. It shall be concealed in walls, below the floor, above the ceiling or in furred spaces. Piping shall be properly supported and be pitched to drain. Water

and gas piping shall be run level without pockets and as straight as possible. New hot and cold water supply lines shall be at least 6 inches apart where such piping is parallel.

Expansion and contraction shall be provided for by swing joints. New soil, waste, vent and drainage piping shall be run at a uniform grade of at least 1/4 inch per foot. Lines under slabs shall have as short a run as possible and the runs shall be as straight as possible. Horizontal storm drain piping shall be installed with a minimum slope of 1/4 inch per foot, except that piping may be installed with less pitch provided a self cleansing velocity is reached and

maintained throughout the piping installation Copper or galvanized piping shall be wrapped with plastic tape where it comes in contact with any metal other than brass or lead.

All connections between copper or brass and steel piping shall be made with dielectric couplings. Screwed pipe joints shall have treads cut the full thickness with new, clean dies. The joints shall be carefully reamed and lead shall be applied smoothly to the male threads and to the threads left exposed after fabrication.

Twenty-four inch air cushion shall be provided at the ends of all new water supply piping to absorb shock. Factory built water hammer arresters may be substituted for the twenty-four inch air cushion tubes. Follow manufacturer's recommendations and institutions as to size and placement of units. In commercial applications utilize a heavy duty arrester with built-in pressure gauge and valve for proper maintenance against extreme hydrostatic pressure.

When removing plumbing fixtures all supply lines and soil and/or waste pipe shall be removed flush to the walls, ceilings, or floors so as not to project beyond the surface of the surrounding areas. On total elimination of a fixture or supply, the area shall be repaired to a like new condition and made ready to receive a finish coat application if required. No areas shall be left indented or raised beyond the surface from which the fixture or supplies connected to it were removed.

NOTE: Any new water supply riser from the shower valve control to the shower head outlet, whether exposed or not, shall be securely attached to the structure.

FIXTURES

Special Instructions

New plumbing fixtures shall be standard builder's models unless otherwise specified in the Work Description or contract documents. Unless indicated otherwise, color of new fixtures on total replacement shall be white. When replacing a fixture or exposed component part, color shall match the existing fixture or replacement fixture.

Fixtures shall be installed complete and ready to use. Units shall be installed as per the manufacturer's instructions. Proper anchoring and supports shall be provided for each fixture. Arrangements shall be made to coordinate installations which require the services of other trades. This may include the flooring contractor, rough and/or finished carpenter etc. New fixtures shall be cleaned of plaster, grease, paint and other foreign materials.

All new exposed trim, fittings and pipe in finished spaces shall be chrome-plated brass or be covered with chrome-plated brass sleeves, except that laundry tray trim may be rough brass when installed in an unfinished area (i.e. basements). New trim shall be installed in accordance with code requirements relating to back siphonage.

Water Heater Package

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Package shall include new 40 gallon glass-lined water heater, with minimum first hour recovery rate of 68 gallons. Heater shall be installed complete with wiring or fuel piping and draft diverter and vent, as appropriate to type. Heater shall be American Gas Association certified or UL listed and carry a 5 year warranty. It shall be equipped with a temperature and pressure relief valve and galvanized or copper overflow pipe extending to within 3 inches of a floor having proper drainage or to an other location meeting the requirements of the presently enforced codes.

Electric water heater power controls shall be as follows:

Adjustable control thermostat:

- (a) Snap-action contacts
- (b) 120-170 degrees F range

High limit energy cutoff:

- (a) Snap-action contacts to interrupt electrical supply.
- (b) Manual reset
- (c) 190 degrees F. trip set.

Gas heater fuel supply controls:

Adjustable control thermostat

- (a) Regulates pilot and main burner
- (b) 100 percent gas shut-off at pilot light outage.

High limit energy cutoff:

- (a) Thermostat operated gas cutoff.
- (b) Manual reset.
- (c) 190 degrees F. trip set.

Water heater relief valve shall be recognized by American Society of Mechanical Engineers and American Gas Association. It shall have a bronze body, 3/4 inch threaded female inlet, pressure range of 75-160 degrees F. The temperature relief setting shall be 210 degrees F.

Fume pipe shall be at least No. 26 U.S. standard gauge galvanized sheet metal. It shall have a minimum slope of 1/2 inch per foot with no horizontal length of the fume pipe exceeding 75% of the height of the chimney or vent. It shall be supported at intervals of no more than 6 feet. Flue or vent connections shall have a diameter not less than the vent outlet of the heater. The fume pipe shall be vented into a chimney which is used as a fireplace. Fume pipe can be vented into a Class B vent.

Laundry Tray Package

New laundry tray shall be single or double tub type, as scheduled. Fiberglass laundry tub package shall include new one piece fiberglass (reinforced polyester resin) tray, swing type faucet, strainer(s) and strainer plug(s), trap and self-leveling legs or pedestal and automatic washer supply outlets. Capacity of each tub shall be not less than 20 gallons. Legs or pedestal shall be securely fastened to the floor or adjacent surfaces to prevent tipping or other movements. (See also drainage and venting requirements from laundry tubs in Special Instructions of this section).

Sink (Kitchen - Utility) Package

Package shall include new stainless steel single or double bowl as scheduled. Stainless steel shall be Type 304 18-8, ASTM A167. Bowl(s) shall be a minimum of 6 inches deep. Sink shall be countertop type,

swing type faucet with flow restrictor or aerator, removable cup strainers, fixture stops and supplies (including hydrostatic arresters where required), waste trim and trap. Sink shall have ledge unless space restrictions require otherwise.

The entire unit shall be undercoated with sound dampening material. (See also drainage and venting requirements in the Special Instructions paragraphs). Unit shall not be installed within or onto unsound countertops. Contact Land Development Code, Code Inspector for determination.

Metal Cabinet, Shelf and Sink Package

Package shall be white porcelain, baked enamel on steel, combination sink and base cabinet with upper cabinet unit (of equal width where possible), Sink shall be single or double compartment, dependent on unit size. Base shall have four drawers (minimum, depending on size of unit) at one end of the cabinet. Unit shall be installed complete with swing type faucet with built in flow restrictor or aerator, removable cup strainer(s), fixture stops, supplies, hydrostatic arresters (if required), waste trim and trap. Size shall be as scheduled.

Garbage Grinder (Disposal)

New garbage grinder shall be a minimum of 1/2 horsepower, continuous feed type, with manual reset. Shredder shall be stainless steel and hopper shall be corrosion resistant. Disposal unit shall be installed complete. Mount shall be sound deadening. Modify existing drain piping as scheduled to accommodate new appliance.

Flexible cord shall have a mechanical restraint installed at the cord entry opening. Cord shall be in compliance with National Electrical Code requirements. Units (new or replacement) shall not be direct wired into electrical circuit. (See also venting and drainage requirements as detailed in Special Instructions). New installation shall include wire, receptacle and conveniently located wall switch.

Lavatory Package

Wall Mounted: Package shall include new porcelain enameled cast iron lavatory, faucet with built-in flow restrictor, trip waste, fixture stops, supplies, hydrostatic arresters (where necessary), trap, legs, and wall hanger. Unit may be vitreous china or manufactured marble. Exposed supplies shall be chrome plated. **Polybutelene supplies are not acceptable.**

Vanity Package: Package shall include new vanity sink base, counter top with backsplash, porcelain enameled steel lavatory or manufactured marble, center set faucets with built-in flow restrictors, trip waste, fixture stops, hydrostatic arresters (where necessary), supplies, and trap (Polybutelene supplies are acceptable). Lavatory can be one piece basin countertop.

Quality of vanity sink and base and countertop shall be equal to the specifications for new kitchen cabinets and countertops. All vanities shall have built-in shelf or trays on the interior walls of the cabinet. Those base units 30 inches or wider shall have 3 drawers located on one side of the base.

Units 42 inches or larger shall have (3) drawers located on each side of base. Vanity sides, base and trim shall be constructed of waterproofed plywood covered with 1/32 inch plastic laminate. Hardware shall meet the requirements as stated for cabinet hardware earlier in the handbook.

Water Closet Package

Package shall include new vitreous china bowl with close-coupled tank and cover, plastic seat, flange and waxed ring, bolts and caps, fixture stop, supply (galvanized or copper only), ballcock assembly, flush valve and float. Colors shall be white unless matching a grouping at which time the color shall match existing color. Plastic tanks and covers are unacceptable.

Bathtub and Shower Package

Package shall include new acid resisting porcelain enameled formed steel bathtub with slip-resistant surface, pop-up waste, overflow with trap, fixture supply shutoffs or straight valve screw shutoffs where necessary, and when scheduled, concealed anti-scald diverter with trim and fittings. Shower head shall have a flow limiting device complying with Federal Specifications WW-S-1913A.

Package shall include shower curtain rod and brackets with attaching screws supplied by the manufacturer. Tub package shall include shower portion only when so designated in the Work Description. Tub will generally be recess type, five foot long, but bathroom layout may require corner tub.

Junction where tub meets ceramic tile at wall and floor shall be grouted and junction where tub meets plastic waterproof material on walls and at floors shall be caulked with a silicone sealant.

Shower Stall Package

Package shall include new fiberglass (reinforced polyester resin) integral shower and wall surround (including base and drain assembly), anti-scald mixer/diverter with trim and fittings, integral soap dish and shower curtain rod. Base shall have slip-resistant surface. Install unit as per manufacturer's recommendations and instructions.

Shower stall shall be installed on a smooth concrete or plywood subfloor. Plywood shall be 3/8 inch C-C plugged exterior type plywood underlayment. Provide sufficient backing to support the sides of the pan and provide adequate support for the drain assembly to prevent shifting or settling. At least one layer of 15 pound asphalt-saturated felt shall be placed between the subfloor and the shower pan.

FIXTURE TRIM General Instructions

All exposed trim, fittings and pipe in finished spaces shall be chrome-plated brass or be covered with chrome-plated brass sleeves, except that laundry tray trim may be rough brass.

Plastic assemblies with chrome-plating are unacceptable. Replacement trim shall include water restrictor flow devices conforming to Federal Specifications for water conservation standards.

No new trim shall be installed such that its outlet is below the rim of the fixture in accordance with the code requirements for prevention of back siphonage of water. Flexible supply lines are acceptable if approved by local code officials. Whenever new faucets and supply lines are installed, a new shut off valve shall be included.

Ballcock Flush Mechanism

Minimum repairs shall be as follows: Replace ballcock mechanism, rod, float (foam replacement floats are unacceptable), trip lever mechanism, trip lever handle, overflow tube and supply line, flush valve and seat. Replacement trip lever handle shall be chrome plated.

Bathtub Faucet(and Shower diverter)

Replacement parts shall be as follows: tub spigot, control handles, escutcheons, valve stems, shower head and anti scald diverter with escutcheon plate. Shower head shall have a flow limiting device with a three gallon per minute capacity, complying with Federal Specifications WW-S-1913A. Devices for flow restriction shall be permanent and not adjustable by occupants. All exposed surfaces shall be chrome plated.

Shower Head

New shower head shall be chrome plated and of a style or type compatible with the existing trim. Shower head shall have built-in water flow restrictor (nonadjustable) or may substitute with a flow restrictor valve installed directly in front of shower head assembly. Flow devices shall conform to Federal Specifications WW-S-1913A. Main body of shower head shall not be plastic. Shower stalls with more than one head shall be brought to the attention of **CDBG Rehab Specialist** when Work Description does not address other existing heads.

Shower Stall Faucet (shower head)

Replacement parts shall be as follows: Replace control handles, valves, escutcheons, shower head and anti scald diverter with escutcheon plates. All exposed surfaces shall be chrome plated. If more than one shower head exists, remaining heads shall be addressed separately. (See note in above paragraph on multiple shower heads).

Tub Pop-up Waste and Overflow with Trap

Replacement parts shall be as follows: Replace tub waste trip lever, escutcheon plate with mounting screws, pop-up or strainer, overflow and trap. Exposed surfaces shall be chrome plated.

Lavatory Faucet and Pop-up Waste

Replacement parts shall be as follows: Replace combination faucet with pop-up waste and lever or individual faucets as currently exists. Replace beaded chain and rubber plug where no pop-up assembly exists. If supply lines are found to be damaged or defective they shall be replaced whether or not they are listed in the Work Description. All exposed surfaces shall be chrome plated. Caulk at all flanges to lavatory surfaces.

Lavatory Fixture Stops and Supplies

Install new copper or galvanized supply lines (PVC is not acceptable). Replace fixture stops. Fixture stops shall be directly underneath of lavatory. Exposed supply lines and fixture stops shall be chrome plated. Flexible supply lines meeting the approval of local building official may be utilized.

Shower Diverter and Trim

Replacement parts shall be as follows: Install complete new anti-scald diverter and body including copper or galvanized lead to shower head. If multiple shower heads exist follow earlier instructions. Portable shower heads and assemblies are not acceptable unless specifically requested. All exposed portions shall be chrome plated. New shower head shall meet FS WW-S-1913A for three gallon per minute capacity flow restriction.

Water Closet Fixture Stop and Supply

Install new chrome plated fixture stop and chrome plated supply line (galvanized or copper, PVC or polybutylene unacceptable). If washer and/or seals to ballcock assembly are damaged or deteriorated they shall be replaced at this time.

New Sink (Kitchen - Utility) Fixture Stops and Supplies

Install new fixture stops and copper or galvanized supply lines to unit. New fixture stops shall be directly underneath sink. Flexible supply lines meeting the approval of Code Inspector may be utilized. Plastic type materials used for supply lines are unacceptable.

New Vanity Sink and Trim

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Replacement sink shall be appropriate in size and type according to the space available, and shall be complete with center set faucet, fixture stops and supplies. Fixture stops shall be installed directly underneath sink. Supply lines shall meet earlier stated requirements.

Humidifier Valve and Supply

Install new supply line and valve as recommended by manufacturer of humidifier. New supply line shall be copper tubing. Saddle clamp valves are unacceptable.

New Lavatory Trap and Marvel Connection

Replace tail piece and trap on lavatory including drain and washers or seals. Replace marvel connection at wall to waste line. Install new escutcheon plate capable of covering entire area between marvel connection to wall. Caulk or grout as necessary at connection to wall. All exposed areas shall be chrome plated.

New Sink (Kitchen - Utility) Faucet

Replace sink faucet with new swing type faucet containing built-in flow restrictor or aerator which meets federal regulations for water conservation. If replacing unit with spray attachment build-in then new trim shall be of equal serviceability. If supply lines are damaged or defective replace at this time. Sink trim with high goose neck such as for bars shall be replaced with similar style. All exposed areas shall be chrome plated.

New Sink Waste Trim and Trap(s)

Replacement trap shall match existing in size and length. Replacement shall take place with all existing traps (single, double or triple drain outlets). Trap and tail piece may be either center or end type outlet. Cup shall be nickel-bearing stainless steel crumb cup with removable basket and rubber seat stopper.

Basket shall also be chrome plated. Plastic cup bodies are unacceptable. If sink is of early production equipment, flat chrome plated strainer may be installed in lieu of basket strainer and crumb cut. Where garbage grinder exists, remove and reinstall accordingly. Install drain cover where missing on disposal units. Install rubber stoppers where required on drains.

Replace/New Flexible Sink Hose

Spray attachment shall be of equal quality to existing. Where dishwashing attachments exist replacement unit shall be the same. Replacement hose shall be compatible to the present sink trim and body.

Repair Tub/Shower Door

All channels shall be recaulked and resecured to their original mounting place. All seams shall be watertight. Wash down rails with proper solvent and unclog drain holes. Where panes are damaged, they may be replaced with 1/8 inch fully tempered or 1/4 inch laminated glass or an approved plastic. Resecure towel bars and replace damaged or missing door bumpers. Tighten all hardware and adjust for smooth operation. All panes shall be obscure type.

Repair Fixture Chips/Reglazing

On chips or worn areas above waterlines a "Hot Patch" repair is acceptable. On chips or worn areas below the water line level the entire fixture shall be re-enameled.

Units requiring total re-enameling shall have all attached trim removed from the tub prior to application. Warranty and maintenance instructions shall be given to the owner. Copies to be submitted to CDBG Rehab Specialist upon final approval.

Replace Seats, Washers, and Packing

Disassemble fixture valves and replace seats, washers and/or "O" rings. If valve body also contains a packing at stem this shall also be replaced. Reface body if necessary for proper seating and seal.

PIPING

General Instruction

New water service shall be of sufficient size to permit a continuous and ample flow of water to all fixtures at all times. Friction losses due to piping, meter, valves, fittings and faucets shall be considered when piping size is being determined. The water service pipe shall be installed in such a manner and shall possess the necessary strength and durability to prevent leakage under all likely adverse conditions, such as corrosion or strains due to temperature changes, settlement, vibrations and superimposed loads.

All domestic supply piping located in unheated areas shall be properly insulated to prevent freezing. Contractor shall be responsible for providing the template and any necessary piping to complete the installation and coordinate installation with the local utility company. (Also see utilities in General Requirements and Special Requirements for additional information).

Pipe and Fitting Insulation

Insulation shall be composed of inorganic glass fibers bonded with resins. It shall contain no punctures, scratches or tears. It shall be a minimum of one inch thick and sized accordingly to match the designated piping. It shall meet Federal Specification HH-I-558 or ASTM C547. Molded circular sleeving insulation meeting Federal Specifications Form D, Type III, Class 12 may also be utilized. Pipe insulation may also be laminated aluminum foil, glass reinforcing, Kraft paper with UL 723 rating. Fitting insulation shall be precut molded circular segments meeting Federal Specification Form E, Class 16. Insulating cement, jacket lap adhesive, joint tape shall be as recommended by the manufacturer. Tie wires when utilized shall be corrosion resistant.

Water Service Line

Replace the entire water service with new copper from the public stop box to the water meter. Repair floor or wall area where penetration takes place. Surrounding areas shall be placed in a sound condition and made ready to accept finish coat when scheduled. Repair shall include all necessary excavation, inspection and backfill. Refer to general instruction regarding backfill.

Gate Valves

The water piping on the discharge and intake sides of the water meter shall have a fullway gate valve with bleeder screw. Gate valves shall be readily accessible, whether located in the basement, crawl space or within the living unit itself.

They shall be sized according to the specifications of the Water Supply Department and the requirements of the presently enforced Plumbing Code. When scheduled, both valves shall be replaced.

Water Supply (Distribution) Piping

Horizontal Supply Piping: New horizontal runs shall include all water supply piping in the basement, crawl space or horizontal slab plus both gate valves, pressure reducing valve when required by code, all

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necessary shutoffs (one for each hot and cold water supply to each individual fixture plus each vertical takeoff to the second or additional floors which are supplied with water), two hose bibs directly serving the front and rear of the dwelling (if front or rear walls are inaccessible, may be placed within 6 feet of such), and when laundry facilities are located in the basement, automatic washer supply outlets and laundry tray fittings and rough trim.

New piping shall be hard temper type M copper tubing (PVC is unacceptable). Main supply line shall be at least 3/4 inch in diameter and branch distribution supply lines shall be no less than 1/2 inch outside diameter. (See also description of materials listed in the Special Instructions of this section). Di-Electric fittings must be used where dis-similar metals are joined.

Horizontal and Vertical Piping: A total repipe shall include all new horizontal runs and vertical risers plus new gate valves (2), pressure reducing valve when required by code, all necessary supply shutoffs (see note in above paragraph), two hose bibs serving the front and rear of the dwelling, automatic washer supply outlets, laundry tray fittings and rough trim. New piping shall be hard temper type M copper tubing or galvanized steel. Main supply line shall be no less than 3/4 inch outside diameter and branch supply lines shall be no less than 1/2 inch outside diameter. (See also description of materials listed in the Special Instructions of this section).

Note: Both horizontal and total repipe include water meter template, (where necessary). Approved backflow preventer or vacuum breakers shall be installed with all plumbing fixtures or equipment, the potable water supply out of which may be submerged and not protected by a minimum air gap (such as where garden type hoses may be connected to a sillcock or laundry tray). See City of Hattiesburg plumbing codes for further details.

Hose Bibs (Sillcocks)

Hose bibs shall be located at the front and rear of the property for proper servicing of the yards (where exist) or located within 6 feet of the area when penetration of front or rear wall is impossible. The hose bibs shall be frost proof type or have a separate accessible stop and waste valve with bleeder screw. Hose bibs shall have vacuum breakers.

Hot and Cold Water Supply Shutoffs

New hot and cold water supply shutoffs for risers, group or individual fixtures shall be conveniently located and easily accessible.

There shall be a shutoff valve located at the cold water branch serving the water heater(s). Pipes connecting to pressure or gravity tanks shall also have a shutoff valve at or near the tank.

All sillcocks and wall hydrants shall be separately controlled by a valve located on the interior of the dwelling. The same applies for any fire suppression system(s).

Dwelling Structure Sewer

All sanitary plumbing outlets shall be connected to combined or sanitary sewer systems when they are available. New building sewer shall be constructed of cast iron, vitrified clay, concrete or plastic approved by the local building official. The sewer shall be constructed with watertight joints, be on a grade of not less than 42 inches below grade (except when the building sewer terminates in a septic tank, its depth shall not be less than 12 inches to crown).

No Vs or 90 degree "L's" shall be used. Cleanouts shall be installed as required by the code presently enforced at the job site. All abandoned septic tanks shall have the sewage removed and be filled as required by code. The building sewer material may also be copper tube-type DWV, ABS or PVC DWV

Schedule 40. Joints shall also be root proof. Piping installed on a horizontal shall be uniformly aligned and slope at not less than 1/4 inch per foot.

Where impractical conditions exist, piping 4 inches in diameter or larger shall be installed with a uniform slope of 1/8 inch per foot. Prior approval is needed for the alternative installation of piping (1/8 inch slope per foot).

Soil and Waste Piping (Including Drains and Stacks)

Soil and waste piping and fittings shall be extra heavy or service weight cast iron, galvanized steel pipe, copper or hard temper K, L, M, or DWV copper tubing or heavier, cast-iron soil pipe, lead pipe, ABS or PVC DWV Schedule 40 plastic pipe. Other materials may be acceptable when meeting the approval of the local building official. Piping shall be at least 3 inches in diameter below the roof line and 4 inches in diameter above the roof line.

Soil stacks shall rest solidly at the base on masonry piers or heavy iron posts and be supported at intervals of no more than 10 feet by stout wall hangers or brackets or on beams at each floor. No new soil or waste pipe shall be installed or permitted outside a building or be in any place where it may be subjected to freezing temperatures, unless adequate provision is made to protect it from frost.

Soil or waste stacks shall not be smaller than the largest horizontal branch connected thereto.

Exceptions shall be made only by disposition of building official. Offsets, sizing and number of drains and stacks shall be as calculated by the tables set forth within the local plumbing code enforced at the job site.

Floor Drain

Floor drains shall have a minimum water seal of 2 inches and shall be provided with removable strainers. No floor drain shall be installed in any location or manner which will interfere with its proper functioning. Floor drains will generally be expected to service laundry tubs in which case the drain shall be installed in a location convenient to the laundry facilities.

Bell Trap Covers

Missing or defective bell trap covers shall be replaced as scheduled, when the bell trap is still operational.

Clean Out Covers

Clean out covers shall be sized according to the nominal diameter of the pipe which they serve. All removable, threaded or caulked clean outs shall be gas and water tight. The clean out plug shall be made tight by means of an acceptable washer or by threading the soil, water or vent pipe to which it attaches. Clean out covers shall be of a material compatible to the pipe it shall be installed into.

Cleanouts on concealed piping shall be extended through and terminate flush with the finished wall or floor; or pits or chases may be left in the wall or floor, provided they are of sufficient size to permit removal of the cleanout plug and proper cleaning of the drainage system.

Cleanout plugs shall not be covered with cement, plaster or any other permanent finishing material. Where it is necessary to conceal a cleanout plug, a covering plate or access door shall be provided which will permit ready access to the plug.

Storm Drains

New storm drains shall include conductor boot and horizontal storm drainage piping to a code approved outlet. Cast iron conductor (conductor boot) shall extend vertically downward to a point where it can be

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run horizontally beneath the building footing or foundation. From there, it shall extend past the inside face of the foundation wall at least 2 feet before connecting to the horizontal storm drain piping.

Connection shall also be at least 42 inches below finish grade. Storm drain piping shall be of asbestos cement; bituminized fiber, cast-iron pipe, concrete; vitrified clay; copper tube DWV weight or heavier; ABS or PVC DWV Schedule 40 plastic pipe or approved plastic sewer pipe. Where ferrous threaded joints are used underground they shall be coal tar coated or equivalent approved protection applied when installed.

Pipe connections to conductor boot shall be watertight. Storm drain piping shall extend at least five (5) feet beyond the inside face of the foundation wall before it is joined to the main sanitary line. Rain leaders and conductors connected to a building storm sewer shall have a cleanout installed at the base of the outside leader or inside conductor before it connects to the horizontal drain.

Conductor Boot (From Hub to Storm Drain)

New conductor boot shall be service weight cast iron of 3-inch minimum diameter. Connection to existing clay or cast iron shall be made watertight using cement mortar, mastic or other firm setting material.

Conductor boot shall be supported at its base to prevent tipping, settlement or frost distribution. Other types of materials may be used as long as they are compatible with the system and final installation meets the approval of the local building official.

Replace Top Section of Conductor

Broken section(s) of conductor shall be removed and replacement piece(s) shall be installed. New top section shall extend at least 6 inches above finished grade. Notify **CDBG Rehab Specialist** when damaged conductor extends beyond the top piece for disposition. Re-anchor downspouts into hub upon completion of repairs.

New Sump Pump

New sump pump shall be of a capacity deemed necessary by the Code Inspector and shall include an approved check valve and trap placed in the discharge lines between the sump and the soil system. The connection from the discharge line to the soil system shall be made by means of a "Wye" with the "Wye" branch on top and shall include a gas tight cover with sufficient strength to withstand normal wear. Sump shall be vented when required by code.

A sewage ejector or sewage pump shall be capable of passing a 1 1/2 inch diameter solid ball, and the discharge piping of each ejector or pump shall have a backwater valve and be a minimum of 2 inches. In other than single family units, the ejector or pump shall be capable of passing a 2 inch diameter solid ball and the discharge piping of each ejector or pump shall have a backwater valve and be a minimum of 3 inches.

Clean Sump Pump Well

Remove and dispose of all accumulated matter in the sump and drain piping to the sump. Remove and dispose of all accumulated matter from the pump case, control unit, impeller, screen discharge piping and power feed cord. Reinstall sump pump unit and sump cover.

Check out attached check valves and/or backwater valves for proper operation. If found defective, notify **CDBG Rehab Specialist**.

Replace Sump Pump Well Cover

Replacement cover shall be compatible with the designed purpose of the existing sump and system. Cover material is discretionary when a fully sealed system is not required.

Routing Main Dwelling Drain

Drains scheduled to be routed shall be cleaned with a power driven rotary cleanout apparatus. Cleaning area drains shall include either replacing or recaulking the drainage strainers. Building sewers scheduled to be routed shall be cleaned all the way to the main sewer connection(s). Drains when routed shall be free of all miscellaneous debris so as to allow the free and unobstructed flow of liquids and solids.

Rout Conductor Boon

Storm drains shall be routed from the exterior by first removing the downspout or leader from the hub of the conductor. Rout drain with mechanical auger apparatus, flushing out each conductor and checking for free flow of water through the conductor. If blockage is encountered beyond vertical section of conductor contact the **CDBG Rehab Specialist** for resolution. Reinstall downspout or leader back into the hub of the storm drain and seal with mortar. Install strainers at the top of all leaders connecting to underground storm drain systems when found to be defective or missing.

Rout Horizontal Storm Drains

Excavate to footing at specified conductor location. Rout drain with mechanical auger apparatus to main building sewer to allow free flow of liquids and solids. Install new vertical conductor as described in conductor boot paragraph. Backfill and finish grade. Refer to General Instructions.

Rout Secondary Drains

All interior drains excluding the main building drain are considered secondary. Remove floor drain covers in basement and rout each individually checking for free flow of water after washing down with water. Care shall be taken when removing tile or other floor coverings which presently cover the top of the drain cover to minimize the amount of damage to the surrounding areas. Covers damaged during removal shall be replaced at the Contractor's expense.

On fixtures, disassemble the trap system and clean out the areas of the drain to the soil stack. Care shall be taken so as no damage is done to the threads of the traps and couplings when disengaging. Reassemble trap and tailpiece assembly. Flush out drains with water and check for free flow operation.

NOTE: When the work write-up calls for cleaning the drainage system to the public sewer an inspection must be made while the work is in progress. You must call Code Inspector in advance so arrangements can be made for the on site inspection. MINIMUM 24-HOUR NOTICE.

Cleaning Window and Door Well Drains

Remove all accumulated matter located within the basin and dispose of as debris. Remove drain cover and rout the drain conductor, reinstall cover and re-secure or re-caulk as required. Drain covers which are damaged or missing shall be replaced.

Vent Piping

Above ground piping for vents shall be of brass pipe, copper pipe, copper tube DWV weight or heavier, cast iron soil pipe, galvanized steel pipe, lead pipe or ABS or PVC DWV Schedule 40 plastic pipe.

Underground vent piping shall be cast iron soil pipe, hard temper copper tube DWV or heavier, ABS or PVC DWV Schedule 40 plastic pipe, extra-strength vitrified clay pipe with compression joints or

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couplings, provided that it is installed with a minimum earth cover of 12 inches, or other material specifically approved by the building official.

Re-vent piping shall be at least 1/2 of the diameter of the drain to which it is connected or be a minimum of 1 1/4 inches in diameter. Re-vent shall be into the soil stack or waste stack at a point at least 6 inches above the last fixture connection to the stack. No new vent piping shall be installed on the exterior of a building. (See also description of vent piping material in the Special Instructions herein).

New piping passing through the roof shall be flashed with a maximum 26 gauge galvanized iron flashing assembly or plastic flashing approved by the code presently enforced at the job site. Flashing shall be set in waterproof mastic compound and be caulked around the vent. Flat roof flashing shall be the commercial type with a horizontal leg equal all around the base.

No vent terminal shall be located directly beneath any door, window or other ventilating opening of the building or of an adjacent building nor shall any such vent terminal be within 10 feet horizontally of such an opening. Except for public streets and alleys, vent terminals shall be a minimum of 3 feet from any property line.

Extensions of vent pipes through a roof shall be terminated at least 10 inches above it.

Where frost closure is likely to occur, each vent extension through a roof shall be at least 3 inches in diameter. When it is found necessary to increase the size of the vent extension to meet

this requirement, the change in diameter shall be made inside the building at least one foot below the roof with a fitting acceptable to the local building official.

Soil and waste stacks in buildings having more than 10 branch intervals shall be provided with a relief vent at each tenth interval installed, beginning with the top floor. The size of the relief vent shall be equal to the size of the vent stack to which it connects.

The lower end of each relief vent shall connect to the soil or waste stack through a wye below the horizontal branch serving the floor, and the upper end shall connect to the vent stack through a wye not less than 3 feet above the floor level.

Vent Caps

The fresh air vent for the building sewer shall have a cast iron cap which shall fit tightly to the existing pipe by means of set screws.

FUEL PIPING

General Instruction

All pipe used for installation, extension, alteration, or repair of natural gas piping shall be standard weight malleable (black pipe).

All such pipe shall be either new, or shall previously have been used for no other purpose than conveying gas; it shall be in good condition and free from internal obstructions. Burred ends shall be reamed to the full bore of the pipe.

Pipe shall not be bent and offsets shall be made with fittings. Internally tinned Type L copper tubing that complies with ASTM B-88-62 may be used for supplying gas yard lights, provided that such tubing is used outside and underground with at least 12 inches of earth cover. Approved flared fittings shall be used in connection with such tubing.

Polyethylene gas yard piping may be used when complying with applicable standards specified in IAPMO. Installation standards IS-12-71. The installation of polyethylene gas yard piping shall also be in accordance with and utilize approved fittings as specified in IAPMO. Installation standards IS-12-71.

Materials shall be as follows; Threaded fittings shall be cast iron or forged steel, ANSI B 16.5, 125 pound. Unions shall be 300 pounds per square inch rated black malleable iron unions with brass or bronze seats, Federal Specification WW-U-531, Class 2, Type B. Joint materials may be Teflon thread tape of joint compound as recommended by the pipe and fitting manufacturer.

Gas Meter - Relocate

When listed in the Work Description meter shall be relocated to the exterior of the house for easy accessibility unless community utilizes the cable with readout meter located on the exterior of unit.

Gas meters shall be protected from mechanical damage by vehicles or other causes. Such protection may consist of posts, fencing or other permanent barriers.

Meter shall not be installed in unventilated or inaccessible locations, nor closer than 3 feet from sources of ignition. Meter should not depend on the gas outlet riser for support, but shall be adequately supported by a post or bracket placed on a firm footing, or other means of providing equivalent support.

15.200 ROUGH AND FINISH HEATING

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GENERAL INSTRUCTIONS

All materials, equipment, piping, fittings, etc., shall conform to the latest A.N.S.I. (American National Standard Institute), A.S.T.M. (American Society for Testing Materials), and F.S. (Federal Specifications), N.F.P.A. (National Fire Protection Association), U.L. (Underwriter's Laboratories), and A.G.A. (American Gas Association) standards. All equipment and materials used shall be new, and clearly marked to permit identification of the manufacturer, model number, and type.

Incidental items not mentioned in the specifications, or listed in the Work Description, that can legitimately and reasonably be inferred to belong to the work described, or be necessary in good practice to provide a complete system, shall be furnished and installed as though specified in detail.

When the existing equipment is specified to be tested, the Contractor shall furnish all instruments, gauges, and equipment required for the testing, and they shall perform those tests required by the related authorities. Equipment, materials, or work found to be defective during testing, shall be evaluated by the Code Inspector, and the contract documents adjusted to effect the proper repair or replacement.

The Contractor shall be responsible for securing all permits, approvals, inspections, and licenses required for the work covered by this section.

Except as modified herein, the construction and installation of all equipment, accessories, and appurtenances, shall comply with the published standards, requirements, and recommendations of the National Fire Protection Association, and the National Board of Fire Underwriters.

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All equipment and items installed under this section shall operate safely, without leakage, undue wear, noise, vibration, or corrosion.

All drilling, patching, and cutting necessary for the proper installation of the work under this section, shall be done by the Contractor. All patching shall be done of the same materials, workmanship, and finish as the original work, and shall accurately match all surrounding work.

The equipment shall be rigidly installed, and so connected as to not exert undue strain on fuel piping, or other connections. All piping, ductwork, and equipment shall be installed without critical damage to the structural members.

Metal chimneys shall not be installed as exposed piping in habitable areas, closets, etc. They shall be enclosed with fireproof material to provide a minimum of 1 inch dead air space, or to meet the local code requirements.

When a new furnace filter is installed, and the size is not listed on the filter packaging frame, it shall be listed on the facing of the plenum chamber at the front of the furnace.

The Contractor shall install chrome plated escutcheons where exposed piping passes through floors, walls, and ceilings.

All new systems shall have all runs and registers located out of the shower and appliance areas.

On all new and existing wet heat systems, the Contractor shall install a "T" and two gate valves in the water supply piping, dividing the domestic water supply from the heating water supply. These units shall have both automatic water feed and low water cut off present and functioning.

All heating and ventilating equipment not required to remain, shall be removed by the Contractor. See also "General Instructions" for Debris.

The entire new and existing installation shall be left in a neat, clean, and usable condition.

PERMITS - LICENSES

The Contractor shall comply with all local building codes, and ordinances, as amended by the municipal, or state governing body having control over the job site. Furthermore, the Contractor shall abide by the State and Local licensing boards having jurisdiction over the job site.

HEATING EQUIPMENT

Special Instructions

New heating units shall be installed complete with new disconnect switch, flue pipe, and all controls, wiring, accessories, valves, and fuel piping necessary to make the unit operational.

(This includes both hot and cold air drops). Note that the electrical contractor will wire a separate circuit (if one does not already exist) from the panel box to a junction box located near the heating unit. It is the heating Contractor's responsibility to coordinate installation of the junction box, and to wire the unit.

New units shall have ratings sufficient to insure proper heating of all habitable rooms within the living unit they are intended to serve. Such determinations shall be made in accordance with the best practices of the National Warm Air Heating and Air Conditioning Association, the Institute of Boiler and Radiator Manufacturers, or the "Guide" of the American Society of Heating. **This shall include heat loss calculations.**

Furnaces or boilers shall be able to maintain a room temperature of 70 degrees F. at a point three feet above the floor in all habitable rooms. In housing for the elderly, inside design temperature shall be not less than 75 degrees F. Heating systems shall be designed, installed, and balanced, or adjusted to provide

for the distribution of heat to all habitable rooms, and other spaces in accordance with the calculated heat loss of the spaces to be heated. On furnace and/or boilers serving 3 or more dwelling units they shall have a thermostat to control the heat in each unit. A readily accessible manual, or automatic means shall be provided to partially restrict, or shut off the heat, and/or cooling input to each floor.

All work performed in the assembly, erection, installation, connection, etc., shall be in accordance with the manufacturer's recommendations, and local or state governing codes. Mechanical equipment shall be so installed and located that inspections, routine maintenance, repair, and/or replacement is possible without removing items of permanent construction.

Listed furnaces shall be installed with a minimum clearance of 6 inches between the top bonnet plenum (or between the top of any extended plenum or duct within 3 feet of such furnace) and any combustible material. All improved gas, or oil burners shall bear the manufacturer's identification marking, the burner trade name, and the model number or size installed.

Owner(s) shall be instructed in the proper operation and maintenance of all new equipment. Owner's manual and warranty documents shall be left in Owner's possession, with copies to **CDEG Rehab Specialist** at final approval.

Gas-Fired Forced Air Furnace

New furnace(s), when scheduled, shall be installed with a new disconnect switch, blower motor, filter, flue pipe, and all controls, wiring, accessories, valves, and fuel piping, and duct connections (hot and cold air drops) necessary to make the unit operational.

All new furnaces shall have an output rating of least 5,000 BTU more than the required minimum.

All work performed in the assembly, erection, installation, connection, etc., shall be in accordance with the manufacturer's recommendations.

Mechanical equipment shall be so installed and located that inspection, routine maintenance, repair and/or replacement is possible without removing items of permanent construction. Furnace shall be installed using new duct work, modifying the top bonnet plenum with a flexible connector as necessary to provide a neat, efficient, and acceptable working system.

The installation shall include all unit controls, and a mounted thermostat suitably located on the first floor of the structure. When a separate furnace is required for a second or third floor unit, the thermostat shall be located in that dwelling unit.

Energy Efficient Gas-Fired Forced Air Furnace

When the Work Write-Up specifically lists the installation of a new energy efficient furnace, the unit, and its installation, shall be as listed above for Gas-Fired Forced Air Furnace. The unit will also have an electronic ignition, dual limit control, and a stainless steel heat exchanger.

Gas-Fired Steam Boiler - Hot Water Boiler

The boiler shall be constructed in accordance with the requirements of the A.S.M.E. Code for "Low Pressure-Heating Boiler", and bear the prescribed A.S.M.E. symbol. The boiler shall be listed in the Directory of Approved Gas Appliances published by the American Gas Association Laboratories. The boiler shall operate on natural draft from the existing chimney.

The steam boiler shall be steel, or cast iron designed for a maximum working pressure of 15 pounds per square inch. The hot water boiler shall be steel, or cast iron designed for a maximum working pressure of 30 pounds per square inch. They shall be in accordance with A.S.M.E. Boiler Construction Code for Low

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Pressure Heating Boilers, and Underwriter's Laboratories listed. The relief valves shall be in accordance with A.S.M.E. Code requirements.

The burner shall be of the atmospheric type, cast iron construction, with drilled ports, mixing tubes, and provisions for primary air adjustments.

The controls shall include a high pressure limit control, low water cutoff, automatic water feed, automatic gas valve, gas pressure regulator, and safety pilot. Accessories for boilers shall include a main shut off valve, pilot cock, drain cock, pressure gauge, glass gauge, and relief valve bearing the A.S.M.E. symbol.

The boiler shall have an American Gas Association rated output equivalent to the recommended size for the square or cubic footage of the habitable area to be heated, and the temperature requirements.

The installation shall also include all wiring and piping necessary to make the unit operational. The boiler shall be designed, installed, and balanced or adjusted to provide for the distribution of heat to all habitable rooms, and other finished spaces.

All work performed in the assembly, erection, installation, connection, etc. shall be in accordance with the manufacturer's recommendations.

Mechanical equipment shall be so installed and located that inspection, routine maintenance, repair, and/or replacement is possible without removing items of permanent construction. The boiler shall be installed using the existing piping, modifying connections, as necessary, to provide a neat, efficient, and acceptable operational system. Any and all pipe shall be free of dents, and kinks. The type, size and temper of the piping shall match the existing.

Copper pipe, and fittings should be standard copper water tubing, ASTM B88, Type K, L or M.

Compression type brass fittings for flared copper tubing, shall be in accordance with ANSI B16.26.

Brass pipe, and fittings, shall be regular weight, iron pipe size brass ASTM B43.

Fittings - Threaded cast iron or forged steel, ANSI B 16.5, rated to 125 pounds per square inch.

Unions shall be 300 pounds per square inch rated black malleable iron unions with brass or bronze seats, Federal specifications WW-U-531, Class 2, Type B.

Thread tape shall be Teflon of the type recommended for the intended application.

Joint compound shall be as recommended by the pipe and fitting manufacturer.

SPACE HEATERS

Gas Fired Space Heaters

New space heaters shall be installed, when applicable, with new disconnect switch and wiring, blower motor, filter(s), flue pipe, vent, and all controls, wiring, accessories, valves, and fuel lines necessary to the proper operation of the unit.

The new unit shall be vented or direct vented. The unit shall have sufficient rating to ensure proper heating of the area it is intended to service. The BTU per hour rating shall be sufficient to maintain a room temperature of 70 degrees F. at a point three feet above the floor. In housing for the elderly, inside design temperature shall be not less than 75 degrees F. New units shall have an output rating of at least 9,000 BTU per 100 square feet of habitable floor area, or portions thereof.

All work performed in the assembly, erection, installation, connection, etc. shall be in accordance With the manufacturer's recommendations. The unit shall be located such that inspection, maintenance, and complete replacement is possible without the removal of permanent construction.

Oil Fired Heater

Method of design shall be a vaporizing pot, metal pot for oil vaporization, with a secondary combustion chamber. Blue flame: with removable perforated sleeves above an oil pan, including lighting rings or kindlers. Cabinet materials and construction shall be welded formed steel. Air inlets to be ports and burners at top of pot or perforated sleeves.

Electric Baseboard Units

The existing sections of the baseboard heating units shall be cleaned and tested, as scheduled, for proper operation. Prior to the installation of new units, provide heat lost calculations, as required by the governing inspection board. New baseboard heating units shall be able to maintain a temperature of 70 degrees F. at a point 3 feet above the floor in all habitable rooms, without overloading or scorching the walls.

In housing for the elderly, the inside design temperature shall be not less than 75 degrees F. New heaters shall be medium density type, limited to 250 watts per foot of baseboard. Where possible, install the new units on outside walls, and under windows. Bathroom heaters can be manual switch operation. Thermostats shall be separate from the baseboard, and located not above the baseboard, but on inside walls adjacent to doors.

In bathrooms, baseboard heaters should not be within reach of the bathtub wall. Ceiling, or Wall type heaters are acceptable substitutes.

AIR HANDLING UNITS

Fans and Blowers

The products and components should match the existing in style, materials, and service rating. Motors shall match the existing in horsepower and power supply. The motor shall be drip-proof or totally enclosed, and have permanently lubricated sealed bearings.

Centrifugal fans shall match the existing capacity. The construction features shall be multiblade, squirrel cage type, statically and dynamically balanced, with provisions for canvas duct connections, where applicable. It shall be mounted on vibration isolators, and have a shop primed housing. The housing shall be welded steel, or aluminum. The wheel shall carry the same specifications for construction. The motor drive arrangement shall be direct connection to the fan shaft, or base mounted with V-belt drive.

Propeller fans shall match the existing capacity. Service shall be exhaust fan, power ventilator, or vent fan. Construction features shall be multiblade, statically and dynamically balanced. Blade curvature shall be forward-low speed and reverse-high speed.

The unit shall be frame mounted. It shall contain an integral weather louver for vent fans. The blades shall be constructed of aluminum. The motor drive arrangement shall be direct connection to the fan shaft or base mounted with V-belt drive.

MISCELLANEOUS

Removal of Heating Unit or System

When a heating unit, or system is scheduled to be removed, the furnace, or boiler and all equipment incidental to its operation, which does not comply with the requirements in this manual, shall be removed. When a steam, or hot water system is scheduled to be removed, this shall include the boiler, piping, radiators, or convectors, oil tanks,

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When an oil filled furnace, or boiler is either being replaced with a new gas unit, or the complete system is being removed, drain the oil tank, and remove it. The oil tank shall be disposed of in compliance with the appropriate governmental regulations. Also remove any exposed ductwork scheduled to be replaced in the installation of a new forced air system. Those units which are covered with friable asbestos shall conform to the requests as stated in the Demolition and Debris section of the manual.

Heating Unit Controls

Repair/Replace: On burner motor and burner, the repair products and components shall match the existing style, materials, and service rating. The burner's style and rating shall match the existing types as follows:

Gas – atmospheric injection, luminous flame, power burner.

Oil – pressure atomizing, rotary, vaporizing.

All repairs and replacement parts shall be installed, or repaired in accordance with the manufacturer's instructions.

After servicing, the Mechanical Contractor shall leave a certificate on the furnace, or boiler indicating his/her name, the name of the company, the work or repairs completed, and the date.

When heating unit controls are scheduled to be repaired and/or replaced, the contractor shall examine all of the controls contiguous to the total operation and function of the unit under inspection. Those controls found to be defective, damaged, or missing, shall be repaired or replaced, as necessary. Operating and limit or safety devices shall be AGA approved or UL listed.

Cleaning and Adjusting Unit Controls/Systems

When heating unit controls/systems are scheduled to be cleaned and adjusted, the Contractor shall thoroughly clean and adjust the system so that it is operating properly. When necessary, replace the thermostat. All flue pipes and chimneys shall be cleaned out, including the deposit areas.

After servicing, a certificate shall be left on the furnace indicating the work accomplished as well as future maintenance, and dates, required.

Any attached units (central air, electronic air cleaner, humidifier, etc.) shall be cleaned along with the other operations listed above.

On forced air systems, this shall include cleaning the surfaces of the blower, fan blades, and motors. Remove and clean permanent type filters, and reinstall. Remove disposable type filters. Furnish and install new filters. Replace the blower motor belt. Adjust the blower motor belt tension, and re-anchor, if necessary, the blower motor assembly. Lubricate the motor, and fan where required. The duct work on hot air systems, shall be cleaned and vacuumed at all accessible openings.

On boiler operations, the water gauge glass shall be removed, cleaned, and reinstalled. Check out the aquastat controller, altitude gauge, steam gauge, and pressure relief valve for proper functions. Those items requiring repairs, and/or replacement shall be brought to the attention of the CDBG Rehab Specialist when not listed in the Work Schedule.

On wet heat systems, all lines and/or radiators shall be bled to remove trapped air.

On oil fired systems this shall include cleaning the oil tank (removing condensation and whatever sediment possible), fittings and lines, and replacement of the fuel line filters. Check out the functioning of the stack-control relay and pump strainer.

Any gauges damaged, defective and/or missing on the fuel tank(s) shall be repaired and/or replaced as necessary. This includes LP tanks.

All coal, or coal conversion units, shall have the main unit vacuumed.

On stoker fired burners, the burner should be completely cleaned of all coal, ash, and clinkers. This cleaning necessity applies to the stoker as well. At the time of cleaning, oil the insides of both the coal screw and hopper.

Heat pumps shall follow the manufacturer's recommendations on maintenance. Check out blowers, coils, compressor and valve operation on unit. Clean permanent type filters and replace disposable type filters as necessary. Vacuum unit(s) accordingly. Damaged grilles or housing panels on split systems shall be replaced. Inspect insulation on electrical and mechanical supply lines repairing or replacing as necessary.

Packaged terminal (single zone application) shall be vacuumed completely. Remove, wash, and reinstall filters. Damaged, defective or missing control knobs, levers, switches, filters or air control grilles shall be replaced. On total electric furnaces and/or pumps entire unit shall be checked out mechanically and electrically for damage, deterioration, defective, or missing parts. Replace filters on units.

Check out relays, elements, thermostats, fuses, and transformer for defects. Special attention shall be paid to all units which have set in structures containing heavy amounts of condensation or have had, or presently contain, flooded conditions. Units having damaged, deteriorated, or defective parts shall be brought to the attention of the **CDBG Rehab Specialist**.

Clean, Check and Service Air Conditioning

Vacuum out the compressor, fan, condenser, and electrical component areas. Check out refrigerant lines for kinks, dents, or damage. Inspect the insulation on refrigerant lines, and the electrical supply lines for damage and/or deterioration, and repair or replace, as necessary. Vacuum and inspect the blower assembly for proper operation (replacing belts, if the unit is belt driven). The units shall be checked for freon leaks, and the correct amount of refrigerant, in accordance with manufacturer's specifications.

Those units found to be damaged, defective, or missing parts, shall be brought to the attention of the Contracting Officer, or his authorized representative. Those units requiring servicing, and/or repairs, shall have a label attached to the main body of the unit, noting the service technician's name, company name, repairs, and/or maintenance completed on the unit, and the date.

Ductwork - Registers - Duct Insulation

All sheet metal shall be no lighter than 28 gauge galvanized steel sheet metal. The sheet metal work shall be accurately formed, be fitted snugly, have all exposed edges folded under at least 1/2 inch, and leave no sharp corners exposed. Fiberglass duct which is UL listed, and meets NFPA (National Fire Protection Association) standards, is also acceptable. All ductwork shall be properly supported with hangers, or floor rest channels. No new ductwork shall be installed as exposed duct in finished rooms, or closets, unless noted in the work schedule.

The ductwork shall be sized to control the flow of air to all supply registers, and a balancing damper shall be installed. The dampers shall be labeled, indicating the rooms served, and system shall be balanced. A readily accessible manual, or automatic, means shall be provided to partially restrict, or shut off the heating and/or cooling input to each zone or floor. New supply, and return outlets shall be installed in the walls, unless specific written instructions are issued to install the outlets in the floor. When in the floor, outlets shall be perimeter-baseboard type.

Supply outlets on the outside walls shall be located in front of windows. Unfinished basements shall be provided with a minimum of two individual heat outlets. It should be noted that finished areas of basements should have proper heating for year round usage, and marketability. A supply register located in the plenum should not be considered a supply duct or run. All supply registers shall be equipped with a

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shut off damper. Any and all existing back-to-back registers shall be replaced with venetian type registers. Return air inlets shall be located in the walls, except where they would be in outside walls.

New return air inlets shall be located in the walls, except where floor framing makes it difficult to do so. Written approval from the Land Development Code, Code Inspector shall be obtained prior to installing new outlets in the floor.

The perimeter registers are acceptable in this case. Return air outlets shall be so located that return air from any room does not pass across the normally occupied areas of another room, causing objectionable drafts.

Supply ducts in crawl spaces, and unheated attic spaces, shall have 2 inch flexible blanket insulation, or 1 inch rigid insulation, unless the space has tightly closing ventilating louvers.

Then insulation shall be 1 inch flexible blanket insulation, or 3/4 inch thick rigid insulation. When ducts are used for cooling, the insulation shall be covered with a sealed joint vapor barrier. The vapor barrier may be aluminum foil, vinyl film, or Foil-Scrim-Kraft.

The insulating cement, and mechanical clips shall be installed as the manufacturer recommends. The joint tape shall be flame resistant vapor barrier type. Tie wires shall be corrosion resistant. Board insulation shall be attached with mechanical clips, or adhesive 6 inches on center. Tightly butt the edge joints, overlapping the sides with top and bottom pieces.

The seams shall be sealed with vapor barrier tape, and adhesive. On wrap insulation, install it using mechanical clips, or tie wires, or stapling a standing seam. Tightly butt the edge joints, sealing the seams and joints with vapor barrier tape, and adhesive, if required. Standard type building insulation should not be utilized.

Steam and Hot Water piping (Hydronics)

New horizontal lines, when installed, shall be pitched for proper drainage to avoid air pockets. Drain cocks shall be installed at all low points, and air vents at all high points of the system. All valves, and vents shall be easily accessible. The pipe shall be brass, copper, cast iron, galvanized or black wrought iron, galvanized or black steel, or other approved materials.

The pipe joint compound shall be non-corrosive, and insoluble in the material being carried in the pipe. .

Valves up through 2 inches in size, shall be brass, malleable iron, or steel bodies. Each gate valve shall be a fullway type, with all working parts of non-corrosive metal. Fittings for copper tubing shall be wrought copper, wrought bronze, or cast brass. Welding fittings shall be black steel. Fittings for asbestos-cement shall be cast iron.

The coverings, or insulation used on hot water, or steam pipes shall be of materials suitable for the operating temperature of the system. The insulation, jackets, and lap-seal adhesives, shall be tested as a composite product, and shall have a flame spread of not more than 25, and a smoke-developed rating of not more than 50, when tested.

Protective coatings shall be watertight, durable, heat resistant, electrically nonconductive, and tightly adherent to the pipe.

All piping and equipment shall be adequately supported. Hot water and steam piping shall be supported, anchored, provided with swing joints, expansion loops or joints, or other means to avoid excessive strain on the piping equipment, or the building structure to the satisfaction of the local building official.

Vertical, and horizontal piping, and tubing, shall be secured at sufficiently close intervals to keep the pipe in alignment, and carry the weight of the pipe and its contents, thereby eliminating excessive sagging.

Piping shall be at least standard weight brass or copper, Class 150 cast iron, standard weight wrought iron, ASTM Schedule 40 steel, or suitable asbestos-cement, of adequate pressure rating.

Tubing shall be at least Type K for condensate return line; Type L for steam condenser cooling water lines, underground water lines, and above ground water lines; Type M for above ground water lines not embedded in concrete or masonry.

The piping shall be installed so that the piping, connections, and equipment shall not be subjected to excessive strains or stresses. Provisions shall be made for expansion, contraction, shrinkage, and structural settlement. The piping shall provide adequate circulation. The piping shall be pitched so that all gasses can move, in the direction of the water flow, to a vented section of the system.

When sections of a piping system cannot be installed with the required grade, such sections shall be provided with automatic or manual air vents whose discharge is piped to an approved location. Steam traps shall be provided, where required.

All piping shall be tested with a hydrostatic pressure of not less than 100 psi, and at least 50 psi greater than the operating pressure. This pressure must be maintained for at least 30 minutes. All testing shall be done in accordance with the instructions of the authorized inspector.

Fluxes for solder, sweat, and brazed joints shall be a non-corrosive type suitable for the use intended.

Flushing boiler and System

Turn off the burner. Shut off the water supply inlet to the boiler. Attach a hose to the drain outlet at the lowest level in the system (generally at the base of the boiler), and lead it to a basement drain. Open the drain outlet. When water begins to flow through the hose, open the venting valves on the highest radiators. After the sediment has drained out, open the water supply inlet to the boiler, and flush the boiler with clean water.

Insure that the boiler is cool enough so that the cold water does not crack the boiler. To refill, leave the water supply inlet open, but shut off the drain outlet at the base of the boiler. Turn the burner back on. Keep the venting valves open on the highest radiators until you heat the water filling the pipes, then close them. Later in the day, vent all valves of trapped air.

Component parts should also be cleaned, and flushed, in accordance with the manufacturer's recommendations. Those fixtures having screens, should be removed prior to the flushing of the system. Check the screens for defects, or deterioration, repairing, or replacing, if necessary. Reinstall the screens prior to filling the system with water.

Cleaning Radiators

Disconnect the radiators at the valve coupling. Flush out the radiators with water. If using a chemical agent, use a neutralizer, as per the manufacturer's recommendations. When the unit is free of sediment, reinstall it, checking for leaks at the coupling. Further check out the valve seal for loose, or deteriorated packing. Reset, or repack the valve as necessary. Clean the dust, dirt, lint, etc, from exterior surfaces of the radiators.

Power Humidifier

New: The humidifier shall be of proper size to provide adequate humidity (38% @ 10 degrees F.) for the size of the dwelling unit. The recommended output, depending upon structure, should be 11.5 gallons per day for 1200 to 1500 square feet of living area. The humidifier must be UL listed, and properly wired, as per the manufacturer's directions. It is required that a humidistat be installed in conjunction with all power humidifiers.

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An overflow drain shall be included. The water supply pipe/tubing provided by the humidifier manufacturer, or 1/4 inch copper tubing, shall be connected to the water pipes with a T fitting, and valve. Saddle fittings shall not be used. Secure the necessary permit, and inspections, as required by city code.

Locate the humidifier so that any excess water, or accidental overflow of the humidifier will not drain onto the heat exchanger.

Power humidifiers may be either the evaporator type, or the atomizer type. Evaporator types can be the stationary pad type in which a motor and fan assembly draws the warm air from the supply duct, passes it through the evaporator pad, and returns humidified air back into the supply duct. The drip-and-dry design relies on motor power to dip an evaporative media into the water; exposing the wetted surfaces to the moving warm air. The atomizer type operates on a principle of mechanical breakup of water into particles which the surrounding air absorbs. This type is independent of the movement of warm air, and when installed in ductwork, is located in the cold air return.

Humidifier Removal

All existing mechanical humidifiers shall be removed, and the opening shall be sealed with a piece of sheet metal secured with screws, or rivets. On power humidifiers, remove the water supply lines back to the supply valve. If the valve is damaged and leaking, remove, and repair the water distribution line, as necessary. If the unit is direct wired, remove the wiring back to a junction point in the electrical system. Cap off the electrical lines with wire nuts, as required. No traces of the humidifier, and/or the humidistat, or other controls, shall remain in existence once the removal specified in the Work Description is complete.

Blower Motors

The new motor shall be UL listed, and match the existing in horsepower, and power supply. The motor shall be drip-proof, or totally enclosed with permanently lubricated bearings.

Cleaning Chimney(s)

The Contractor shall remove any blockage within the passages of the flue liner. All chimneys located on the subject property shall be cleaned. All deposit areas of chimneys shall be totally cleaned. All chimneys shall have some type of clean-out door.

Defective, damaged, or missing doors shall be repaired or replaced, as necessary. Care shall be taken when cleaning out fireplace flues to contain soot, or other debris from settling into other portions of the house. Fireplace chambers shall be wire brushed, and vacuumed out upon completion of the cleaning.

Defective mortar joints in the fireplace chamber shall be repaired, as necessary, with mortar designed for application in this area.

Flue Pipe

When new flue pipe is scheduled to be installed for residential, and low heat appliances, the chimney connector must comply with the local code.

Oil Tanks

Removal: Oil tanks scheduled for removal, shall be removed completely, and disposed of according to the applicable codes. If the tanks are buried, they shall be dug up and removed. Backfill and grade the area. The top 4 inches of soil shall be suitable for plant growth. Reseed, or sod the area as weather conditions permit

Buried tanks that are scheduled to remain, shall be disconnected, the fill and vent pipe shall be removed and/or capped, and the tank filled as required by the governing codes. Oil tanks remaining in buildings,

shall have all fuel oil removed from the tank, the tank outlet securely capped or plugged at the tank, the fill pipe plugged or capped inside the building, with the section extending outside the building removed, and the vent pipe left unaltered.

New: Tanks, must comply with current local codes.

VENTILATING EQUIPMENT

Special Instructions

Ventilating equipment shall comply with, and be tested and rated in accordance with the Air Moving and Conditioning Association. Bulletin 210. Evidence of compliance will be a Home Ventilating Institute, or Manufacturer's Label showing the capacity.

All ductwork, when required, shall be designed for the shortest practical run to the exterior.

Exhaust fans shall be discharged directly to outside air. Discharge openings through roofs or exterior walls, shall be protected against the entrance of rain, or snow. Exhaust fan units shall be installed complete with louvers, or backdraft dampers, that will automatically close and stop a reverse flow of air, when the fan is not in operation.

Bathroom Exhaust Fan

When a Bathroom exhaust fan is scheduled to be installed new, it shall be installed complete with wall switch control, ductwork, and all accessories. The fan shall discharge directly to outside air. The fan motor shall be moisture proof, and UL, listed. The fan switch shall be separate from the light switch. Air delivery of the fan unit shall be as recommended by the Air Moving and Conditioning Association. The fan shall be no less than 60 CFM, and the fan shall provide a minimum of 8 air changes per hour, of Bathroom air. The grille shall be anodized aluminum. Undercut the door, if necessary.

Kitchen Exhaust Fan

When a Kitchen exhaust fan is scheduled to be installed new, it shall be installed complete with wall switch control, ductwork, and all accessories. The fan shall discharge directly to outside air. The fan motor shall be UL listed. The fan switch shall be separate from the light switch. Air delivery of the fan unit shall be as recommended by the Air Moving and Conditioning Association. The fan shall be no less than 90 CFM, and the fan shall provide a minimum of 15 air changes per hour, of Kitchen air. The grille shall be anodized aluminum.

Kitchen Range Hood (Ducted)

The new range hood shall be 30 inch wide standard builders model, or approved equal. The range hood shall be installed complete with ductwork, and all accessories. The fan shall discharge directly to outside air. The unit shall include a recessed light, and a removable, washable, grease filter. The color or finish, unless otherwise indicated, shall be selected in writing by owner prior to the installation. The motor shall be 1/100 HP, 0.8 to 1.0 amp, 115 volt, 60 cycle alternating current motor, with a single speed (3,000 RPM), or 2 speed (2,500 and 3,000 RPM).

Ductless Range Hoods

The new range hood shall be a type certified for the particular unit installation. It shall have an activated charcoal filter for odors, and a dense aluminum filter for grease. Both filters shall be removable for cleaning, or replacement. The unit shall also include a recessed light. The color and finish, unless otherwise indicated, shall be selected in writing by owner prior to the installation.

Domestic Clothes Dryer Vent

Clothes drier vents shall consist of rigid sheet metal duct that includes a covered louver terminus, and they shall be installed in accordance with the manufacturer's instructions and recommendations.

Accordion type ducts (of plastic or metal) are not permitted. A clothes dryer moisture exhaust duct shall not be connected into any vent connector, gas vent, or chimney.

Ducts for exhausting clothes dryers, shall not be put together with sheet metal screws or other fastening means which extend into the duct. Moisture exhaust ducts shall not terminate beneath the building (including porches), or in the attic area. Domestic clothes dryers shall be exhausted to the outside, and away from all areas that are habitable, or that contain other fuel-burning appliances.

16.000 ROUGH AND FINISH ELECTRICAL

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MINIMUM STANDARDS

Within these specifications and the Work Description if any of the following are not provided for in the existing wiring of the building, the Contractor shall identify the deficiency in the dwelling unit(s) that is not abated, and bring it to the attention of the Rehab Specialist, so the contract can be adjusted accordingly.

This notification shall be made prior to the work being done, and the Contractor requesting payment for these items. Buildings containing three or more dwelling units may require only a partial implementation of the listed items due to the room area, counter top work space, entrances and/or exits, etc. Consult with Land Development Code, Code Inspector should questions arise.

The following minimum standards shall be complied with:

(a) Entrances and Exits:

Where two or more exits and/or entrances exist, at least two entrances and/or exits shall be illuminated by exterior lights. The switches that control these lights, shall be conveniently located on an interior wall, and readily accessible for use.

(b) Door Bells:

A door bell system shall be installed for each unit. A door bell shall be located at a minimum of two exit/entrance areas. Where an existing non-conforming unit has only one exit/entrance, only one bell button shall be required.

(c) Living Room:

The Living room shall be provided with illumination. The fixture shall be controlled by a wall switch conveniently located at the main entry.

A duplex convenience receptacle, with one of the two outlets wall switch controlled, may be used in lieu of the lighting fixture.

Duplex convenience receptacles shall be equally spaced throughout the room with at least one duplex convenience receptacle located on each wall (in addition to any outlets used for illumination). (A minimum of 4 outlets shall be provided.)

(d) Kitchen:

The Kitchen shall be provided with illumination controlled by a wall switch located near main entry from the rest of the dwelling. Additional wall switch control of a light may be required if there is an exit/entrance to the dwelling located in the Kitchen area. Two kitchen appliance circuits shall be provided. Each circuit shall be rated at 20 ampere capacity.

A minimum of two grounded duplex convenience receptacles shall be part of each circuit. One duplex receptacle shall be provided for each major appliance (stove, refrigerator, etc.) area. A Ground Fault Circuit Interrupter (G.F.C.I.) protected receptacle shall be located to the left and right of the sink, above the main counter top (space permitting).

At least one receptacle shall be installed over individual counter space 12 inches, or greater in width. Additional duplex convenience receptacles may be required if eating areas are part of the floor plan (country kitchen, dinette, dining area, breakfast nook, breakfast area, etc.).

(e) Bathroom:

The Bathroom shall be provided with illumination controlled by a wall switch located at the entry area. All bathroom receptacles shall be a three prong grounded receptacle. New duplex grounded receptacles shall have a ground fault interrupter located either in the receptacle or in the panel box circuit breaker.

If multiple bathrooms exist within a single dwelling unit, the receptacles may be wired in parallel to a single ground fault interrupter. All outlets protected at remote locations shall be so identified. A receptacle contained within the lighting fixture is unacceptable as the main receptacle for the bath facilities.

(f) All Other Habitable Rooms:

Illumination shall be provided controlled by a wall switch located near the main entry. A duplex convenience receptacle, with one of the two outlets wall switch controlled, may be used in lieu of the lighting fixture. A minimum of two duplex convenience receptacles (in addition to any outlets used for illumination) shall be provided for each room, equally spaced. Additional outlets may be required as per governing codes at job site.

(g) Basement/Cellar:

The Basement/Cellar shall be provided with illumination of one light fixture for each 200 square feet of floor area, or fraction thereof.

All enclosed areas that may be walked into, such as toilet rooms, fruit rooms, storage rooms, utility rooms, excavated areas under porches, etc., shall be provided with a lighting fixture. The stairwell and laundry area lighting shall not be counted as part of the general illumination requirements.

(h) Laundry Area:

The Laundry area(s) shall be provided with illumination. A duplex grounded receptacle contained in a separate 20 ampere circuit shall be provided, located near the laundry equipment location. Pendant plugs shall be removed.

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(i) Heating System:

Heating equipment requiring electrical energy for operation and/or control shall be provided with an individual circuit. A disconnect switch shall be provided on, or adjacent to the heating unit.

(j) Stairwells:

Stairways shall be adequately illuminated. The lighting fixture(s) shall be controlled by wall switches. The switches shall be located for convenient, and readily accessible use. The switches shall not be located where it is necessary to use darkened stair sections for their operation. All stairwells to FINISHED portions (including basements), or expandable attics, shall be provided with multiple switch control, one at the head and one at the foot of the stairwell.

(k) Service and Feeder:

The Service to existing dwelling units shall be a minimum of 100 ampere, 3 wire capacity. The service equipment shall be dead front, having no live parts exposed whereby accidental contact could be made. Type "S" fuses shall be installed when existing fused equipment is used.

When new service equipment is specified, circuit breaker type fusing is required.

(l) Existing Wiring and Equipment:

The existing wiring and equipment shall be in good repair. Circuit extensions made with flexible cord wiring, in lieu of permanent wiring, shall be eliminated.

(m) Sump Pump:

Sump pump equipment shall be provided with a grounded three prong convenience receptacle wired into a separate 15 ampere capacity circuit. New duplex grounded receptacles shall have a ground fault interrupter located either in the receptacle or in the panel box circuit breaker.

(n) Ventilation:

Bathrooms in enclosed areas where no windows exist, or where the window(s) do not open to the exterior air, shall be equipped with a wall switched exhaust fan, exhausted to the exterior. The fan shall be individually wired, unless the local code presently governing the site requires otherwise.

(o) Fixtures and Equipment:

All fixtures and equipment which are part and parcel of the electrical system, shall be intact and functioning properly and safely.

(p) Attic and Crawl Spaces:

At least one lighting outlet shall be installed in an attic (including the areas behind kneewalls) and under the floor spaces (crawl space etc.) where used for storage, or containing equipment requiring servicing.

Note: Bathrooms, kitchens, kitchen-dining rooms, dining rooms, utility rooms, laundry rooms, furnace or boiler rooms, stairways and hallways shall be illuminated by a lighting outlet. Wall switched receptacles installed in lieu of the lighting outlet are UNACCEPTABLE.

GENERAL INSTRUCTIONS

Items not mentioned in these Performance Standards or listed in the Work Write-Up that would adversely affect the final certification, or be necessary in good practice to provide a complete system, shall be brought to the attention of the Code Inspector so the contract can be adjusted accordingly. This notification shall be made prior to the work being done, and the Contractor requesting payment for these items.

All material and equipment used shall conform to the latest Underwriter's Laboratory, Inc. (UL), American National Standards Institute (ANSI), Federal Specifications (FS), International Residential Code For One and Two family Dwellings, National Fire Protection Association (NFPA) standards, as well as to all other applicable standards. All materials and equipment used shall be clearly marked to permit identification of the manufacturer, model., and type.

The Contractor shall furnish all instruments, gauges, and equipment required for testing, and shall perform those tests required by the related authorities. Equipment, materials, or work found to be defective during testing, shall be replaced by new work, and retested until proven satisfactory.

The Contractor shall be responsible for securing all permits, approvals, inspections and licenses required for the work of this section.

All new materials shall be in good condition. Each type of material shall be the same quality throughout the project.

All finished parts of the materials, and equipment for the work included in this section, shall be protected against damage, from whatever cause, during the progress of the work, until final completion. All electrical materials and equipment in storage, and during construction, shall be protected in such a manner that no finish surfaces will be damaged, or marred.

All wiring, fixtures, switches, receptacles, etc. shall be installed complete, in accordance with the instructions supplied by the supplier, or manufacturer, the best practices of the trade, and the instructions and/or specifications outlined within this manual.

Fixtures, equipment and materials furnished by others, which require electrical wiring, connections, or related electrical work, shall be connected to the present system by the Contractor.

The Contractor shall, in no case, install permanent electrical equipment that may be damaged by the roughing-in for the heating, ventilating, or plumbing equipment.

The Contractor shall do all drilling, cutting, and patching required for the installation of the work under this section. All patching shall be of the same materials, workmanship, and finish as the original work, and it shall accurately match all surrounding work. All installations shall not compromise the integrity of the structure. DO NOT CUT structural framing members, piping, or ductwork.

Disconnect and remove the existing electrical equipment and exposed wiring not in use. Dispose of the equipment, and wiring off the job site.

The Contractor shall keep all parts of the building, and site free from the accumulation of rubbish and waste materials caused by the work of this section, and shall remove such accumulations from the site.

All parts of the electrical apparatus and equipment shall be thoroughly cleaned of cement, plaster, paint, spackle, and other foreign materials, and be left smooth and in a clean and "like new" condition.

The Owner shall be instructed in the use, operation, and maintenance of all new electrical equipment installed.

PERMITS - LICENSES

The Contractor shall comply with the presently enforced City of Hattiesburg Land Development Codes and Ordinances.

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The Contractor shall comply with the State and/or City of Hattiesburg Licensing Boards having jurisdiction over the job site, or area.

WIRING

All conductors and cables shall be clearly marked and labeled to indicate their proper use.

Electrical hot water heater circuit wiring shall be No. 10 AWG. Dryer circuit wiring shall be No. 10 AWG. Range circuit wiring shall be No. 8 AWG or No. 6 AWG depending on the amperage requirements needed. Branch circuit wiring for 20 ampere circuits shall be No. 12 AWG, All other branch circuit wiring shall be no smaller than No. 14 AWG. Unless otherwise required by code, all new wiring shall be "romex" (Non-Metallic Sheathed Cable). New 15 and 20 ampere circuits shall be 2 wire "romex" with ground. (For additional information seek out separate category under Circuits).

Outlet boxes shall be pressed steel knockout type, or be cast iron with drilled, tapped, and plugged holes, and be hot-dipped galvanized or sherardized. Outlet boxes may also be approved nonmetallic type. All boxes shall be of the proper code size for the number of wires or conduits passing through or terminating in that box. All boxes shall be durably and legibly marked by the manufacturer with their cubic inch capacity, as required within the International Residential Code For One and Two Family Dwellings.

Round boxes shall not be used where conduits or connectors requiring the use of lockouts or bushings are to be connected to the side of the box.

Metal boxes mounted on, or in contact with metal, or metal lath ceilings, walls, or metallic surfaces, shall be grounded.

Unused openings in boxes, and fittings, shall be effectively closed to afford protection substantially equivalent to that of the wall of the box, or fitting. Metal plugs, or plates used with nonmetallic boxes, or fittings shall be recessed at least 1/4 inch from the outer surface.

In walls or ceilings of concrete, tile, or other noncombustible material, the boxes and fittings shall be so installed that the front edge of the box, or fitting will not set back of the finished surface more than 1/4 inch.

In walls and ceilings constructed of wood, or other combustible material, the outlet boxes, and fittings shall be flush with the finished surface, or project there-from.

Plaster surfaces that are broken, or incomplete shall be repaired so there will be no gape, or open spaces at the edge of the box, or fitting. This requirement need not be adhered to on walls, or ceilings of concrete, tile, or other noncombustible material.

All boxes shall be securely and rigidly fastened to the surface upon which they are mounted, or securely and rigidly embedded in concrete or masonry. The boxes shall be supported from a structural member of the building, either directly, or by using a substantial and approved metal or wooden brace, or they shall be supported as is otherwise provided by the NEC.

If the box is metal, it shall be corrosion-resistant and shall be not less than No. 24 MSG.

Hangers for light outlets shall have adjustable brackets to secure the fixture to the joists, or studs. On nonmetallic boxes used overhead, caution shall be taken when connecting a fixture of considerable weight in relationship to the weight carrying capacities of the securing screws and screw pockets.

Where mounted in new walls in which no structural members are provided, or in existing walls in previously occupied buildings, boxes not over 100 cubic inches in size, specifically approved for the purpose, shall be affixed with approved anchors, or clamps so as to provide a rigid and secure installation.

When all work is completed, the complete electrical system (wiring, connections, fixtures, panel box, feeders, etc.) shall be tested for continuity, short circuits, and proper grounding in accordance with the N.E.C. and all other applicable codes presently enforced.

Rewire Total Living Unit

This is an instruction to the Contractor, and means that the entire electrical system (wires, switches, receptacles, etc.) shall be completely removed from the premises, and a complete new electrical system installed, as detailed within the Work Description, and in accordance with the codes presently enforced.

Electrical Service Panel

New services shall be a minimum of 100 ampere, three wire, or of the amperage indicated in the Work Description. The use of a 60 amp main fusing device, with a 100 amp entrance cable is not permitted. The service shall include new service entrance conductors and meter socket, new panel box and ground, and a new service mast or service knob with support where necessary. The service shall be underground, where required by code, or to conform to the installations of the project, or subdivision.

Call the local utility company, prior to installing the service equipment, to verify location of new service drop.

Panels installed with a new service shall be of the amperage indicated for the new service, or else in compliance with the local code, should the amperage requirements be greater than those requested. The panel box shall be flush, or surface mounted, as required. The panel box shall have a main breaker designed in accordance with the requirements of panel box and supplied by the manufacturer.

There shall be room for 16 branch circuits (minimum). (The number of circuits within the panel box may vary on multifamily projects). When scheduled to be installed, dryer, and range circuits shall be included with the complete panel. All existing circuits shall be relocated into the new panel box, unless specific instructions via the code, or the Work Schedule require the removal of such.

The service equipment shall not be located in coal bins, bathrooms, clothes closets, attics, or above laundry, and kitchen appliances. Sufficient clearance, and accessibility shall be provided when installed in the Basement/Cellar, near laundry trays, oil tanks, or other permanent obstructions. Prior approval shall be required if the panel is to be located on the exterior of the house. This panel shall be factory built rain tight (so constructed or protected that exposure to a beating rain will not result in the entrance of water).

Each living unit shall have an individual disconnect, and circuit protecting device. Where more than one living unit is supplied from a single service entrance panel, the panel shall be located in a common area accessible to all units. The disconnect and circuit protecting devices for each unit shall be clearly identified.

After installation, each service panel shall be tested with the mains disconnected from the feeder, the branches connected, the wall switches closed, and the fixtures permanently connected, but without lamps. Each individual power circuit shall be tested at the panel with the power equipment connected for proper operation.

All circuits in the panel shall be clearly identified as to their proper locations. "General locations" will not be acceptable as a means of identification. In the case of more than one living unit, each panel box shall be identified by the unit's address.

When the panel is required to be flush mounted in walls of concrete, tile, or other noncombustible material, the cabinets shall be installed so that the front edge of the cabinet will not set back of the finished surface more than 1/4 inch. In walls constructed of wood, or other combustible material, the cabinets shall be flush with the finished surface, or project there from.

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Unused openings in the cabinet, or cutout boxes, shall be effectively closed to afford protection substantially equivalent to that of the wall of the cabinet, or cutout box. Where metal plugs or plates are used with nonmetallic cabinets or cutout boxes, they shall be recessed at least 1/4 inch from the outer surface. Conductors entering cabinets, or cutout boxes, shall be protected from abrasion.

Openings through which conductors enter cabinets, or boxes, shall be adequately closed. Where cable is used, each cable shall be secured to the cabinet, or cutout box.

Metal cabinets and cutout boxes shall be protected both inside and outside against corrosion, and they shall be approved for the purpose. The design and construction of cabinets and cutout boxes shall be such as to insure ample strength and rigidity. If constructed of sheet steel, the metal

shall not be less than No. 16 MSG. Nonmetallic cabinets shall be submitted for approval prior to installation. Where the door is lined with an approved insulating material, or it is of a thickness of metal not less than No. 12 MSG, the air space shall not be less than 1/2 inch.

Ground Rods

The rod shall be 5/8 inch round, by 8 feet long copper-weld steel. The clamp shall be of the same material as the grounding electrode, and designed to avoid physical damage to the pipe, or rod. The connection lugs shall be approved for use with copper, or aluminum conductors.

A ground rod, pipe, or plate which does not have a resistance to ground of 25 ohms, or less, shall be augmented by one additional electrode of any of the types specified. Install the ground clamps on a clean metallic surface, and protect them from physical damage by location, or enclosure. Make all connections electrically, and mechanically secure.

The existing water supply piping system may be used to ground the electrical system, provided that the installation conforms to the requirements of the governing codes.

An electrically continuous metal underground piping system that is uninterrupted with insulating sections, or joints and without an outer nonconductive coating, and then only if acceptable to and permitted by both the gas supplier and the authority having jurisdiction can be used as a grounding electrode system. Other can be piping systems or underground tanks.

Non-ferrous rods, or their equivalent, shall be listed with, and approved by the appropriate code enforcement agency and independent testing laboratory, and shall be not less than 1/2 inch in diameter.

Where rock bottom is not encountered, the electrode shall be driven to a depth of 8 feet. Where rock bottom is encountered at a depth less than 4 feet, electrodes not less than 8 feet long shall be buried in a trench.

The interior metal water piping system shall always be bonded to the service equipment enclosure, the grounded conductor at the service, the grounding electrode conductor where of sufficient size, or the one or more grounding electrodes used. The bonding jumper shall be sized according to standards set forth by NEC. Nonmetallic water meters shall be bonded.

Service Drops

Service drop conductors when not in excess of 600 volts, shall have the following minimum clearance from the ground:

- | | |
|---------|--|
| 10 feet | Above finished grade, sidewalks or from any platform or projection from which they might be reached. |
| 12 feet | Over residential driveways and commercial areas such as parking lots and drive-in establishments not subject to truck traffic. |

15 feet Over commercial areas, parking lots, agricultural, or other areas subjected to truck traffic.

18 feet Over public streets, alleys, roads, and driveways on other than residential property.

Service drops shall be attached to buildings, or other structures by fittings approved for the purpose.

Open conductors shall be attached to fittings approved for the purpose, or to noncombustible, nonabsorbent insulators securely attached to the building, or other structure.

Service drops, supports, or brackets shall not be attached to chimneys, or to fire, or parapet walls extending above the roof line.

A service mast used for support of service drop conductors, shall be of adequate strength, or be supported by braces or guys, to safely withstand the strain imposed by the service drop. Service drop conductors passing over a roof, shall be securely supported by substantial structures. Where practicable, such supports shall be independent of the building.

Service Entrance Cable

The cable shall be compatible with the amperage carrying capacity requirements of the panel box, or other equipment presently existing, or to be installed. Individual conductors of a multi conductor cable shall be insulated, or covered with thermoplastic, or vulcanized material.

The conductors shall have sufficient capacity to carry the load. They shall have adequate mechanical strength, and they shall not be smaller than No. 8 copper, No. 6 aluminum or copper-clad aluminum.

The Service Entrance Cable shall be mechanically protected, as required by the **International Residential Code For One and Two Family Dwellings in areas** near pedestrian, or vehicular traffic.

Wiring and Cable

Interior wire and cable may be metal clad (type MC and AC), nonmetallic sheathed (type NM and NMC), or shielded nonmetallic cable (type SNM), as required by the International Residential Code For One and Two Family Dwellings .

Service entrance cables shall be in compliance with the present National Electrical Code being enforced. No conductor shall be smaller than No. 14 in copper or No. 12 in aluminum. All wires No. 8 and larger shall be stranded.

All conductors must be concealed in the wall cavities. When it is not feasible to run the conductors in the wall cavities, the Contractor shall request an exception from the Code Inspector prior to the installation. If it is determined to be justified, a written notice will be issued. When it is not possible to run the conductors concealed in the wall cavities, enclose them in wire molding, or metallic rigid conduit, run paralleled and square with the lines of the building. Splice conductors, No. 10 and smaller, with pre-insulated spring pressure connections. Splice conductors, No. 8 and larger, with UL approved pressure connectors then cover with plastic electrical tape, rubber and friction tape, or plastic insulation caps.

Circuits

Circuits for lighting and convenience outlets, except for the kitchen, laundry, etc., should be planned on the basis of one 15 ampere 120 volt circuit for every 375 square feet of floor space, or one single 20 ampere 120 volt circuit for every 500 square feet of floor space. The outlets should be spaced every 12 feet around the walls of each room. Walls 2 feet or wider shall accommodate a receptacle. On existing structures "Minimum Standards" may apply with approval of local governing official.

New garage circuit shall be an independent 120 volt branch circuit of 20 ampere capacity. The new circuit shall include a new underground conductor, one keyless fixture, one single pole switch, and one

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ground fault interrupter duplex receptacle. There shall be one additional keyless fixture, and one G.F.C.I. receptacle for a second (and subsequent) parking space(s). For safety purposes, an exterior fixture with a 3/way switch system, may be installed between the garage and the dwelling unit. All attached garages shall be wired accordingly, as outlined in garage circuit.

New furnace circuit shall be an independent branch circuit of not less than 15 ampere capacity, and shall be installed for the exclusive use of the furnace/heating unit. One lighting fixture may be included on this circuit, and located near the furnace/heating unit. The Contractor shall wire the circuit from the panel box to a junction box located near the furnace/heating unit. The installation shall include a disconnect switch. Coordinate the installation with the Mechanical Contractor. (See also furnace, or Boiler Wiring, and Disconnect in this section).

New laundry circuit shall be an independent branch circuit of not less than 20 ampere capacity. The receptacle for the appliance shall be a 20 ampere, 125 volt, duplex grounding type, mounted on the wall adjacent to the laundry facilities.

The wall receptacle shall not be higher than 48 inches above the floor. If the location for the washing machine and the dryer are such that the attached cords will not reach a single outlet location, a second receptacle may be scheduled to be installed on this circuit. No other outlets shall be attached to this circuit. Special approval for the use of conduit for surface mounting of the laundry outlet(s) is not required.

New small appliance circuits (kitchen) shall include a minimum of 2 grounded duplex receptacles wired into the circuit. There shall be one receptacle located at the stove area, and one at the refrigerator area. Multiple outlet assemblies shall be counted as one receptacle outlet. There shall be one duplex receptacle located to the left and the right of the main countertop (space permitting).

There should be a duplex receptacle located at all counter top work spaces wider than 12 inches, with additional outlets spaced every 4 feet (as space permits). Additional duplex convenience receptacles and or circuits may be required if eating areas are a part of the floor plan (country kitchen, dinette, dining area, breakfast nook or area, etc.), or if the number of required outlets on one circuit would exceed the recommended capacity for that circuit.

Duplex receptacles installed adjacent to sinks (within 6 feet) shall be ground fault protected.

Appliance circuits, may be scheduled to be installed, with three-wire 115/230, or 120/240 volt circuits, with split-type receptacle outlets.

New attic circuit shall be an independent 15 ampere branch circuit provided for an unfinished attic space that is adaptable for living, and is accessible by permanent stairs. This circuit shall include one duplex receptacle.

New sump pump circuit shall be independent branch circuit of 15 ampere capacity. The receptacle shall be a 15 ampere, 125 volt grounding type receptacle mounted on the wall or overhead in crawl spaces adjacent to the sump pump.

New electric range circuit shall be an independent branch circuit not less than 40 ampere capacity, 240 volts. If possible, install the circuit breaker or fuse block in the main panel box. An additional secondary fuse box will be acceptable due to inadequate room in the existing main panel box, and if a new panel is not scheduled to be installed. The cable may be either standard service entrance cable, or nonmetallic sheathed cable. The range plug shall be mounted near the base board or flush mounted in the wall.

New electric water heater circuit shall be an independent branch circuit of proper capacity and voltage to accommodate the size and type of hot water heater being installed. A separate meter may be required by the utility company.

New refrigerator circuit (when scheduled) shall be an independent branch circuit of 15 ampere capacity complete with 125 volt grounded type receptacle. It shall be installed not less than 30 inches above the floor.

New electric dryer circuit shall be an independent branch circuit not less than 40 ampere capacity, 240 volts. Install the circuit breaker or fuse block in the main panel box, if space permits; An additional secondary fuse box will be acceptable due to inadequate room in the existing main panel box, and if a new panel is not scheduled to be installed. The supply cable shall be of proper amperage carrying capacity as recommended by the appliance manufacturer, and the International Residential Code For One and Two Family Dwellings. The dryer plug shall be mounted near the baseboard or flush mounted in the wall.

New garbage disposal circuit and disconnect shall be an independent branch circuit of 15 ampere capacity complete with 125 volt grounded type receptacle. The control switch shall be mounted in the wall adjacent to the sink. No electrical equipment shall be mounted directly behind the sink are Food waste grinders of 1/2 horsepower or less shall be wired with heavy duty three-wire minimum No. 16 hard service cord.

Replace All Wiring - Garage

Remove the existing wiring back to first junction box. Install new code approved wiring in accordance with the International Residential Code For One and Two Family Dwellings and the local pending codes. Connect the wiring to the existing electrical equipment.

The equipment shall be replaced (i.e. receptacles, switches, etc.) if found to be in violation of codes presently enforced at the job site. Upgrade the outlets, if needed, to conform to the requirements listed above for a new Garage Circuit).

Remove Wiring - Garage

When scheduled to be removed, all: wiring; fixtures; switches; junction boxes; secondary fuse box; receptacles; etc., shall be removed completely and disposed of as debris. Service drops shall be removed back to the meter box. Branch circuit, conductor, and conduit shall be removed. Seal the openings on the dwelling unit, and the garage with products compatible with the surrounding area.

Reconnect Garage Circuit

With the scheduled installation of a new panel box, the existing garage circuit shall be reconnected in accordance with the **International Residential Code For One and Two Family Dwellings**. All garage circuits that exist, and are not in violation, shall be reconnected when new panel boxes are installed, unless indicated otherwise in the Work Write-Up.

Replace or Install New Fuses, Fuse Blocks, Circuit Breakers

Replacement fuses, fuse blocks, and circuit breakers, shall be of the capacity, model, or type as recommended by the manufacturer of the panel box, and shall conform to the governing code requirements.

Replace all Knob and Tube wiring

When the existing wiring is scheduled to be replaced, all exposed wiring (wiring not concealed behind finished surfaces) shall be removed back to the panel box. This shall not include the vertical risers from the basement, or crawl space area which is concealed in the walls. New "romex" shall be installed for all branch circuit wiring in the attic, basement/cellar, and crawl space. The installation shall include all wiring and accessories, which shall be replaced in accordance with the International Residential Code For

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One and Two Family Dwellings presently enforced. Switches, fixtures, and receptacles shall be called out separately in the Work Description.

Re-Locate Conductors Through Joist

Remove the conductors from the underside of the floor joist(s) and relocate them through the wood framing members. In both exposed and concealed locations, where a cable or raceway type wiring method is installed through bored holds in the joists, rafters, or similar structural wood members, the holes shall be bored at the approximate center of the face of the member. Holes in studs, for cable type wiring methods, shall be bored at the approximate center of the face of the member, but not less than 1 1/4 inches from the nearest edge.

In installations where this minimum can not be maintained, the wiring shall be protected from nails, and screws by either a steel plate or bushing at least 1/16 inch thick, and of an appropriate length and width, installed to cover the area through which nails or screws might penetrate the installed cable.

Where there is no objection because of weakening the building structure, in both exposed and concealed locations, cables shall be permitted to be laid in notches in wood studs, joists, rafters or other wood members where the cable at those points is protected against nails or screws by a steel plate at least 1/16 inch thick installed before the building finish is applied. Written approval is required prior to the use of this exception.

In both exposed and concealed locations, where nonmetallic sheathed cables pass through either factory filed, punched, cut, or drilled slots or holes in metal members, the cable shall be protected by bushings or grommets (approved for the purpose) securely fastened in the opening. Where nails, or screws are likely to penetrate the cable, a steel sleeve, steel plate, or steel clip, not less than 1/16 inch in wall thickness, shall be used to protect the nonmetallic cable. However, if the slots, or holes are so formed that no metal edge can cut, or tear the cable insulation, bushings or grommets shall not be required.

Place Illegal Splices or Taps in Junction boxes

A box, or fitting shall be installed at each conductor splice, connection point, outlet, switch point, junction point, or pull point for the connection of conduit, electrical metallic tubing, surface raceway, or other raceways.

A box shall be installed at each conductor splice connection point, outlet, switch point, junction point, or pull point for the connection of Type AC cable, Type MC cable, mineral-insulated metal sheathed cable, non-metallic sheathed cable, or other cables, at the connection point between any such cable system and a raceway system, and at each outlet and switch point for concealed knob-and-tube-wiring.

For exceptions, or modifications to the above paragraphs, consult with the Code Inspector having jurisdiction at job site.

Replace Sharp Bends in conductors

Bends of a rigid metal conduit shall be so made that the conduit will not be injured, and that the internal diameter of the conduit will not be effectively reduced. The radius of the curve of the inner edge of any field bend shall not be less than allowed by the International Residential Code For One and Two Family Dwellings.

A run of conduit between outlet and outlet, fitting and fitting, or outlet and fitting, shall not contain more than the equivalent of four quarter bends (360 degrees, total), including those bends located immediately at the outlet or fitting. This statement applies to all conduit.

Place Exposed Conductor in Conduit

Conductors within 7 feet from the floor, shall be considered exposed to physical damage. Where open conductors cross ceiling joists and wall studs, and are exposed to physical damage, they shall be protected by rigid metal conduit, intermediate metal conduit, electrical metallic tubing, or metal piping. Conductors entering on the sides or bottom of panel or sub panel boxes, shall also fall into this category. Other means, which are acceptable by the International Residential Code For One and Two Family Dwellings , and/or Code Inspector having jurisdiction over the job site, will be acceptable in lieu of conduit.

Loom Exposed Wiring (Knob & Tube Wiring)

Open conductors shall be separated from contact with walls, floors, wood cross members, or partitions through which they pass by tubes or bushings of noncombustible, nonabsorbent insulating material. Each conductor shall be carried through a separate tube or sleeve. Tubes shall extend not less than 3 inches beyond the wood member.

Attic Wiring

If the attic is not accessible by permanent stairs and open wiring is installed or already exists, a protective covering shall be provided within 6 feet of the nearest edge of the scuttle hole or folding steps. If the headroom in any portion of the attic is 4 feet or over, the wiring shall be installed as concealed wiring (at least to a point where the headroom is reduced to 3 feet, or less).

Install New/Relocate Furnace or Boiler Disconnect, and Wiring

A disconnect switch shall be readily accessible and mounted on the exterior of the furnace housing, or on a surface adjacent to the furnace. Heating equipment which is not readily accessible, shall have an additional disconnect installed at the nearest readily accessible location (for furnaces or boilers located in crawl spaces, attics, etc.). This shall also apply to space heaters.

Correct Illegal Furnace or Boiler Wiring

Any and all wiring mounted on or adjacent to the furnace or boiler that is found to be in violation of codes presently enforced at the job site shall be removed, repaired, or replaced accordingly. This includes wiring which is incidental to the total operation of unit, as well as low voltage wiring.

Rewire Furnace or Boiler

Remove all wiring pertinent to the operation of the unit including low voltage wiring. Install new wiring completely to the disconnect switch, transformers, relays, etc. Control panels or wiring installed by the manufacturer of the unit and found to be acceptable by the governing official need not be replaced.

FIXTURES AND WIRING DEVICES

Special Instructions

When a fixture, switch or receptacle is scheduled to be installed new with wiring, the item shall be installed complete with all wiring and accessories incidental to its proper function.

When an item is scheduled to be replaced, the existing device shall be removed and a new fixture, switch or receptacle shall be installed and connected up to the existing electrical system.

When an item is scheduled to be relocated, it shall be removed complete back to the nearest junction point within the system. If the box contains other conductors or equipment servicing additional areas then a blank cover plate shall be installed in accordance with the NEC. New fixture, switch or receptacle shall be installed complete according to the codes presently enforced at the job site or area.

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When an item is scheduled to be removed, it shall be removed complete, including the wiring, box, electrical equipment, etc. The surface surrounding the area of removal shall be repaired as necessary using compatible materials and made ready to receive a finish coat. Should the box service other conductors or equipment which will remain in service then a blank cover plate shall be installed over the area from which the equipment was removed.

On new or relocated equipment the following instructions prevail. Light switches, controls and fire alarms shall be located not more than 48 inches above the floor. Convenience outlets for general locations located within the living units shall be located not less than 18 inches above the floor. Elevator buttons located within a corridor or hallway shall be located not more than 55 inches above the floor. The bottom edge of electric hand dryers shall be mounted so that the bottom edge is no higher than 40 inches above the floor.

Door Bell Package

New package shall include new door bell button, mounting screws and cover, wiring, chimes or bell, housing, mounting screws and brackets, transformer etc. Door bell button and chime or bell shall be installed in accordance to the manufacturer's instructions. Unit to be installed at the main entry to the structure.

Door Bell Button and Wiring

Door bell button shall be installed complete with wiring, mounting screws, and button trim according to the manufacturer's instructions. Unit shall be connected to the door bell system presently existing or being installed.

New Weatherproof Receptacle and Wiring

New receptacle installed outdoors where exposed to weather or in other wet locations shall be in a waterproof enclosure, the integrity of which is not affected when the receptacle is in use.

New receptacle shall be a type with a ground fault circuit interrupter built in. If circuit breakers exist at the location then the receptacle shall have the GFCI installed in the panel box. If fuses exist then the receptacle shall have the ground fault interrupter built into the receptacle.

Replace Weatherproof Receptacle

Replace existing receptacle with a G.F.C.I. protected outlet as specified above.

New Weatherproof Switch and Wiring

New switch shall be of the proper type in relationship to its designated usage (single-pole, 3/way or 4/way). The switch shall be installed in an enclosure capable of preventing moisture or water from entering or accumulating within the box. Wiring to be used shall be compatible to the designated usage of the switch.

Replace Weatherproof Switch

Replace switch with same type and design or its equivalent. Design purpose shall be equal. If the enclosure or cover cannot meet the requirements stated above for moisture and water containment then the box and/or cover shall be replaced.

Exterior Flood Light/Yard Light Fixtures

When scheduled to be installed new or replaced, fixture shall be cast aluminum base complete with glass enclosure with integral treads, vapor proof gasket and porcelain sockets. Finish shall be black, bronze or satin-finish. Exterior fixtures shall be of like quality and model if possible. New installations shall include a switch (single-pole, 3-way or 4-way) appropriate to the design requirements, located on the interior of the unit near the entryway. When scheduled, diffuser shall be of the polycarbonate type.

Fixtures to be utilized on multifamily projects shall be the high pressure sodium type complete with 70 watt lamp and polycarbonate diffuser. Lamp wattage shall be increased as necessary depending on the area to be covered and location of the fixture, however, minimum wattage shall be no less than 70 watts. Finish shall match existing fixtures or as specified. Lamp unit shall be as manufactured by the Thomas Industries Incorporated, Benjamin Division, catalogue number OLH-270-120B or approved equivalent, as determined by the Code Inspector.

New/Replace Weatherproof Switch/Receptacle Cover Plate

Cover plate shall be compatible with the box to which it will be mounted. It shall be of the type, model, etc. as recommended for replacement by the manufacturer.

It shall conform to its designated usage. It shall be installed complete with screws, gaskets, etc., as supplied by the manufacturer.

Convenience Receptacles

When receptacles are scheduled to be relocated, installed new or replaced, they shall be installed complete with new cover plates. When all switches and receptacles in a room are new, they shall be off-white or ivory color. New convenience receptacles shall be flush, duplex type. Replacement receptacles for kitchens, bathrooms and laundry areas shall be 3-wire "U" ground duplex receptacles and shall be grounded. New receptacles shall be conveniently spaced as per International Residential Code For One and Two Family Dwellings in each room.

New receptacles shall be located no less than 18 inches above the floor. New receptacles for the exterior shall be 3-wire "U" ground type with ground fault interrupter either built-in to the receptacles or have circuit breaker with built-in circuit interrupter. (See weatherproof receptacle and wiring). Existing or new receptacles are unacceptable when located behind sink bowls. When receptacles are scheduled to be relocated, installed new, or replaced in basement areas, wiring must be protected by conduit or concealed in wall cavities.

Floor Mounted Receptacles

The location of these receptacles is unacceptable in residential dwelling units unless they meet the requirements of the International Residential Code For One and Two Family Dwellings. When specified in the Work Schedule, they shall be either removed completely or relocated into the walls. When the unit is scheduled for a total rewire of the dwelling unit or room they shall be automatically removed.

Wall-Switched Receptacle

All new switched receptacles shall be located on the wall opposite the switch, except in living room, dining room, and family or recreation rooms. Switch and receptacle shall be of the same color and come complete with new cover plates and attaching screws.

Switches

When switches are scheduled to be relocated, installed new or replaced, they shall be installed complete with new cover plates. When all switches and receptacles in a room are new, they shall be off-white or

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ivory color. New switches shall be flush toggle switches, either single pole, 3-way or 4-way as scheduled. Switches shall be located not more than 48 inches above the floor. Switches located behind a door when opened shall be relocated according to code.

Cover Plates

New cover plates shall finish flush with drywall, plaster or other finished surface. Color shall match receptacle or switch.

Cover plates on exterior surfaces shall be rainproof and be of the type as recommended by the manufacturer of the mounting box. Cover plates to be utilized on rough box locations shall be of similar design.

Finish cover plates are unacceptable in locations where no finish wall surface exists (I. boxes connected to conduit, at furnace/boiler, on masonry walls, open stud areas, garages, etc.).

Lighting Fixtures

Unless otherwise listed in the Work Write-Up or attachments to the contract, lighting fixtures shall be as follows:

BASEMENT - CRAWL - ATTIC - STORAGE

In unfinished areas keyless or pull chain fixtures shall be made of porcelain or bake-lite material. Fixtures shall not include receptacles.

HABITABLE ROOMS (EXCLUDING KITCHEN AREAS, AND BATHROOMS)

Fixture shall be ceiling mounted, two bulb, glass dish type, unless otherwise specified.

BEDROOMS

Fixture shall be ceiling mounted, two bulb, glass dish type, unless otherwise specified.

KITCHEN - KITCHENETTE - BREAKFAST ROOM - ETC.

Fixture shall be standard; ceiling mounted, two-bulb type, unless otherwise specified.

BATHROOMS

Fixture shall be standard; ceiling mounted, two-bulb type, unless otherwise specified.

Fixture within the shower area shall be installed complete with vapor proof gasket and porcelain sockets. Fixture shall be designated by manufacturer as moisture-proof. Fixtures shall contain an incandescent bulb with 60 wattage maximum.

HALLWAYS - CORRIDORS - STAIRWAYS

Ceiling mounted fixtures shall be standard; single bulb (minimum) type, unless otherwise specified.

Wall mounted fixture shall be single bulb with glass fixture, unless otherwise specified,

GENERAL INSTRUCTION (FOR LIGHTING FIXTURES)

All fixtures shall comply with the UL standards and local codes. Their design shall be appropriate to the location and usage.

New fixtures for stairways shall be located directly over the section of stairway at the foot or head area.

New ceiling mounted fixtures shall be located equidistant from all walls within the room (excluding closets).

New exterior light fixtures shall be located directly over or adjacent (left or right) to the entryway with the switch easily accessible upon entering the dwelling or structure. On multifamily buildings the fixtures shall be installed as per instructions contained within the contract or bid documents.

Switches new or existing shall not be located behind doors. Relocate according to instructions described earlier in paragraph "Switches" and/or according to local codes. When relocating switches, item shall be located no more than 48 inches above the floor.

New wall mounted fixtures shall be mounted on the wall opposite the switch except in living rooms, dining rooms, recreation or family rooms.

All new fixtures shall use incandescent bulbs unless specified otherwise. Wattage of fixtures shall be in accordance with codes for artificial lighting.

Ceiling fixtures located in finished recreation rooms or family rooms shall be of the same type as used in kitchen areas.

Wall mounted fixtures shall be the same as those specified for hallways, corridors, or stairways.

Ground Switch or Receptacle

Those items designated in the Work Description or by code to be grounded shall have a bare copper wire attached to the electrical equipment and attached via a clamp or strap to the nearest galvanized or copper water supply line presently being utilized as the grounding system on the unit.

Separate ground wire may be attached to ground system at panel box if water supply system is Other than stated material. Diameter of ground wire shall be as recommended by International Residential Code For One and Two Family Dwellings.

Night Light

In housing for the elderly, a convenience outlet for receiving a night light shall be provided approximately 2 feet above the floor between the bed location and the bathroom.

Remove Fixture, Switch or Receptacle or Install Cover Plate

When items are listed in the Work Description for the above stated work, the Contractor, using discretion, may either eliminate completely the electrical equipment specified or remove the item and install a blank cover plate.

If eliminated completely, all wiring, box(es) and equipment shall be removed and disposed of as debris. The wall, ceiling or floor shall be repaired and made ready to receive as final finish coat. If item(s) is removed and junction point left active, then wire nuts shall be placed upon existing wires and covered with electrical tape and a blank covered plate installed.

Remove Heavy Duty Polarized Receptacle and Wiring

When listed in the Work Description it shall be completely removed. The receptacle, wiring, box and conduit (when existing) shall be removed and disposed of as debris. Repairs shall be made to the wall or floor as necessary and made ready to receive a final finish coat. The cable shall be removed completely from the main panel or sub panel box and a cover or cap placed over the entry opening in accordance with the requirements of the International Residential Code For One and Two Family Dwellings.

(See electrical service).

Remove Surface-Mounted conductor-Switch-Receptacle-Fixture Complete

When listed in the Work write-Up Description the items designated shall be removed with a minimum amount of damage to the surrounding areas. The wiring shall be terminated back to the nearest junction point. All surrounding areas shall be repaired to a like new condition and made ready to receive final finish coat. Check Work Write-Up Description to see if removed electrical equipment is scheduled for relocation or replacement with new equipment. Follow previously stated instructions if so designated.

Relocate/New Fixture, Wiring and/or Switch

When listed in the Work Write-Up Description items shall be installed new or relocated according to requirements of local governing codes and instructions contained within the Electrical Section. Fixtures shall meet the requirements designated earlier unless stated otherwise.

Switches shall be single pole type unless electrical system, Work Write-Up and/or International Residential Code For One and Two Family Dwellings state otherwise. Equipment shall be installed complete with wiring, metallic or nonmetallic box(es), fixture, cover plate and/or switch.

Install New Heavy Duty Polarized Receptacle and Wiring

New receptacle shall be of the proper capacity and voltage required for the appliance to be installed. If no appliance is designated, the receptacle shall be not less than 40 ampere, 240 volts including an independent branch circuit (if none exist). If serving an air conditioner the capacity and voltage shall be as recommended by the manufacturer.

New Garage Door Opener

Garage door opener shall be a minimum of 1/3 horse power unless the size and weight of the door require a larger size motor. Unit may be either chain driven or worm gear type. Package shall be complete with separate button located inside garage near door. If attached garage then door opener button shall be installed near the entry way to the dwelling or structure. Unit shall be equipped with light and one portable garage door opener per parking space.

New Wall-Switched Exhaust Fan and Duct Work

When installed in bathrooms it shall be capable of moving the correct cubic feet of air per minute and total air changes as required by the building code. In bathrooms or water closet compartments a mechanical ventilation system connected directly to the outside and capable of providing five air changes per hour shall be provided.

Minimum requirements shall be 70 CFM and single speed fan for areas up to 65 square feet. Refer to building codes for additional requirements. Grille may be of plastic, aluminum or polished chrome. Exhaust fans with combination heater and/or heat lamps shall be designated in the Work Write-Up Description or contract documents. Exhaust system may be ducted through the wall or roof of unit.

Kitchen exhaust fans and duct work should be located near the appliance or area to be serviced. Fans shall be direct wired to a switch and be complete with a duct system and roof or wall cap as recommended by the manufacturer of the exhaust fan. Fans installed in general residential locations shall meet the requirements of a Type II system. Commercial applications require Type I specifications. Consult local or state building codes for additional details.

Replace Exhaust Fans

Replacement fans, whether for kitchens, bathrooms, attics, etc. shall match existing in quality and air delivery unless existing codes require an upgrade of air delivery. All exhaust fans shall be operable at time of inspections.

SPECIAL EQUIPMENT

The equipment in this category shall include heat detection systems, communication systems, call systems, antenna systems, emergency lighting systems, and smoke detection systems and security/entry systems.

These systems or items are to be installed only when called for in the Work Description, contract Documents or as required by codes presently enforced by the state or local governing agency. Consult with the Code Inspector, manufacturer, or Rehab Specialist for further details.

Antenna Systems

A master television antenna system shall be provided for each multifamily project which consists of twenty or more dwelling units or with three or more floors, and for which cable service (CATV) has not been installed. The antenna system shall be installed in accordance with International Residential Code For One and Two Family Dwellings, and shall be of such design that failure of any component will not result in the loss of more than one channel. In addition, the system shall be capable of 24 hour operation at an ambient temperature from -20 F to 120 F.

Smoke Detectors

Battery

Smoke detectors shall be designed to provide an 85 db alarm at 10 feet from the unit, upon detection of smoke, flame or high heat. Unit shall be ceiling or wall mounted at the ceiling with a preferred location in every bedroom of dwelling units. All hardware for mounting shall be furnished by the manufacturer. Unit shall have an automatic reset upon clearing smoke from chamber, a push to test button on the cover and a beeper signal for indication of low battery (30 day min.).

Electric

Smoke detector shall be either ionization or photoelectric type and shall comply with all the requirements of Underwriter's Laboratories Standards No. 167 for ionization and No. 168 for photoelectric type detectors. Detectors shall bear the label indicating compliance with the above standards. All smoke detector's mounting shall be permanently attached to an electrical circuit. There shall be no switches in the circuits to the detector other than the over current protective device protecting the branch circuits. Single station or multi-station systems are acceptable providing all components bear the UL label.

Carbon Monoxide Detectors

Carbon Monoxide Detectors shall be included in the Work Write-Up specifications processed through the **Federal and State Programs Department, Community Development Division.**

Carbon Monoxide Detectors shall be manufactured by a nationally recognized manufacturer, and be approved for their intended use by an independent testing laboratory (such as Underwriters Laboratories).

Acceptable detectors shall be connected to the electrical system either by plugging into an existing electrical outlet, or by direct wiring. Battery operated detectors shall not be installed. Detectors shall include a digital display listing the PPM (parts per million) the detector is sensing, and have a reset button. Detectors without digital display shall not be installed.

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One detector shall be installed in each room used for sleeping (bedrooms). If sleeping rooms are located in more than one area of the dwelling, or on more than one floor, additional detectors shall be installed so that the maximum un-obstructed distance to a sleeping room door is no more than 15 feet.

The detectors shall be mounted no closer than 5 feet from the floor, and no closer than 1 foot from the juncture of the wall and ceiling. Ceiling mounting shall be permitted, provided that they are direct wired to the electrical system.

The Owner's Manual, and the Manufacturer's Warranty shall be given to the **CDBG Rehab Specialist**.

PART III

EXHIBITS

Exhibit A

Feasibility Certification/Checklist

Feasibility Repair Estimate

Homeowner: _____

Date of Inspection: _____

Property Address: _____

Time of Inspection: _____

1. Roof Repair

\$ _____

- ☐ Structural/framing damage
- ☐ Requires repairs in several sections
- ☐ Requires shingles and decking repairs
- ☐ Ventilation needed in attic

2. Plumbing Repairs

\$ _____

- ☐ Interior and exterior plumbing repairs and fixtures needed
- ☐ Sewer system needs repair/replacement
- ☐ Normal maintenance repairs needed

3. Electrical Repairs

\$ _____

- ☐ The scope of work is normal
- ☐ The scope of work would require complete rewire
- ☐ Unsafe electrical stove and/or heater

4. Mechanical Repairs

\$ _____

- ☐ Gas leaks at appliances and/or heaters
- ☐ Gas leaks in lines underneath house
- ☐ Inoperable furnace or central heating unit must be repaired/removed
- ☐ Unsafe gas stove and/or heater

5. Building Repairs

\$ _____

- ☐ Floors are deteriorated
- ☐ Sub-flooring is deteriorated
- ☐ Joists/Beams are deteriorated
- ☐ Column/posts are missing or deteriorated
- ☐ Siding is missing and/or deteriorated
- ☐ Deteriorated wall structure
- ☐ Steps are missing or in need of repair
- ☐ Exterior doors are deteriorated or inoperable
- ☐ Windows are broken, deteriorated or casings and sills are deteriorated
- ☐ Interior walls have holes
- ☐ Ceilings are sagging, water damaged and/or collapsing
- ☐ One window per room needs to be made operable

6. Accessibility

\$ _____

- ☐ Existing ramp is deteriorated
- ☐ Ramp is needed.
- ☐ Bathroom needs to meet ADA requirements
- ☐ Handrails are needed or in need of repair

Prepared By _____

Housing Program Inspector

TOTAL COSTS \$ _____

Exhibit B

Priority Re-inspection Form

PRIORITY INSPECTION AND REPAIR REQUEST FORM

[illegible]

- ☐ Approved for Priority Inspection and Repair
- ☐ Denied Priority Inspection item is not safety, welfare or health issue

Housing Coordinator Signature

**Director of Federal & State
Programs Signature**

Date _____

Date _____

Exhibit C

Letter of Notification Sample

Date

Name

Address

Hattiesburg, MS 39401

RE: Inspection

Dear

I am please to inform you that the City of Hattiesburg, will be conducting an inspection of your home to identify eligible repairs in connection with our Community Development, Housing Repair/Rehabilitation Program.

The Housing Programs Inspector is scheduled to inspect your home at (time) on (day),
(date)

It is important that all areas of your home are accessible to the inspectors. Inspectors should not have to move boxes, stacked clothing, furniture, etc. in order to perform the inspection. If inspectors are unable to inspect your home due to inaccessibility the inspection will cease; and this could result in the loss of eligibility for re-inspection.

Please contact me at 554-1025 if you have any questions or comments.

Thank you for your cooperation in this matter.

Sincerely,

Housing Coordinator

Copy: File

Exhibit D

Rehabilitation/Repair/Reconstruction Work Agreement Sample

GENERAL CONTRACTOR HOUSING REHABILITATION GRANT PROGRAM WORK AGREEMENT

For Repair Work At _____

1. _____ I propose to furnish all materials and perform all labor necessary to complete the work described in the attached to Work Write-Up/Bid Solicitation.
2. _____ I agree that all work will be completed with quality workmanship and materials and I certify that no lead based paint will be used on this job.
3. _____ I will begin work within ten (10) working days after receiving the **Notice to Proceed**, and I will complete the job within sixty (60) days of the start date.
4. _____ I will purchase, maintain and furnish evidence of Comprehensive Business Liability Insurance coverage during the life of the contract, in an amount not less than \$50,000 in the event of bodily injury including death and \$2,000.00 in the event of property damage arising out of work performed by me.
5. _____ I will obtain all permits and licenses necessary for the completion and execution of the work and labor to be labor to be performed.
6. _____ I will perform all work in conformance with the terms shown in Article 8 of the General Conditions, Exhibit J.
7. _____ I certify that I will perform all work in conformance with local codes and in conformance with the City of Hattiesburg's CDBG/HOME Contractors Performance Standards, Exhibit K.
8. _____ I agree that I will not discriminate against any persons employed by my company or any applicant for employment with my company because of age, race, color, religion, sex, handicap, familial status, national origin or because of any political or union affiliation. In accordance with 24 CFR Part 8 as required by Section 504 Regulations, there shall be no discrimination on the basis of handicap in admission, access to, treatment or employment in federally assisted programs and activities. The City of Hattiesburg Department of Urban Development shall coordinate compliance of this part and is hereby the designee to handle any grievances concerning violation of these regulations.
9. _____ I will keep the premises clean and orderly during the course of the work and remove all debris and trash at the completion of the work.
10. _____ I will furnish the original of all manufacturers' and suppliers' written guarantees and warranties covering materials and equipment to the City of Hattiesburg for forwarding to the Homeowner.
11. _____ I understand that a *Request for Payment* with *Invoice*, and when applicable the *Lien Waiver* and *Release of Lien Waivers* must be completed and submitted according to the Request for Payment Processing Schedule.
12. _____ I understand that payment may be made by percentage of completion, not to exceed 70% until completion of the work, provided this Agreement be then fully executed, subject to the provisions of Article 8 of the General Conditions, Exhibit J.
13. _____ I understand that the homeowner can not authorize any other contractor/individual not associated with the City of Hattiesburg CDBG/HOME Rehabilitation or Repairs Program to make repairs to the premise during the duration of this Grant Agreement.
14. _____ I understand that if any contractor/ individual not associated with the City of Hattiesburg CDBG/HOME Rehabilitation or Repairs program performs any repairs to the premises, it is my responsibility to report it immediately to the Housing Program Inspector or the Housing Coordinator immediately, all the terms of the Grant Agreement may be voided and the grant award to the homeowner forfeited.

This work will be completed for the sum of \$ _____.

ALL WORKMANSHIP IS SUBJECT TO A LIMITED WARRANTY FOR A PERIOD OF ONE (1) YEAR.

CONTRACT ACCEPTANCE

You are hereby authorized to furnish all materials and labor required to complete the work mentioned in the above proposal, for which I agree to approve the payment in the amount specified in said proposal, and according to the terms thereof, on this the ____ day of _____, 20__.

Contractor's Signature

Homeowner's Signature

Spouse's Signature

City of Hattiesburg - Witness

Exhibit E

Bid Forms

BID NOTICE/REQUEST FOR BID

Date:

To: Qualified Eligible Contractor

Re: CDBG Housing. Repair Bid Packets

Attached are _____ (#) bid packets containing _____ residence(s) each for repairs as described therein. Please submit your bid to me by 5:00 p.m. on _____. Bids will be opened at _____ on _____, 20____ in the City Council Room at City Hall, 200 Forrest Street. Bids can either be mailed or hand delivered. The sealed envelope should contain the contractor's name and address and should be clearly marked and addressed as follows:

CDBG BID PACKETS FOR _____ (Date)

City of Hattiesburg, Housing
Coordinator Department of Federal &
State Programs
P.O. Box 1898
Hattiesburg, MS 39403-1898

No faxed bids will be accepted.

Please plan to attend the pre-bid conferences to be held on _____ or _____ as noted on the attached bid sheets.

Thank you for your participation in the program. If you have any questions, please call me at 554-1025.

Sincerely,

Housing Coordinator

Copy: Contractor File

BID PROPOSAL

TO: Housing Coordinator, City of Hattiesburg
Department of Federal & State Programs

NAME: _____

COMPANY: _____

ADDRESS:

I and my subcontractors have examined the attached Work Write-up/Bid Solicitation
Descriptions and Specifications of the _____ / _____ Bid Packet for repairs to
the following _____ (#) properties:

1) Property 1 Address: _____ Owner: _____

2) Property 2 Address: _____ Owner: _____

I hereby submit my bid proposal for the above-described work in the amounts of:

total amount for Property 1: \$ _____

total amount for Property 2: \$ _____

Combined total is: \$ _____

Signature of Contractor

Date

Signature of Subcontractor

Date

Signature of Subcontractor

Date

Signature of Subcontractor

Date

**AN ITEMIZED WORK WRITE-UP/COST ESTIMATE MUST BE ATTACHED.
PRE-BID CONFERENCE ATTENDANCE RECORD**

Name of Owners: _____ / _____

Addresses: _____ / _____

NOTE: The work write-up detailing the scope of work was reviewed by the parties signed below during an on-site walk through inspection of this home.

Contractors Present:

Date: _____ **Time:** _____

Printed Name

Signature

- | | |
|----------|-------|
| 1. _____ | _____ |
| 2. _____ | _____ |
| 3. _____ | _____ |
| 4. _____ | _____ |
| 5. _____ | _____ |
| 6. _____ | _____ |
| 7. _____ | _____ |
| 8. _____ | _____ |

Homeowner(s) Present:

- | | |
|----------|-------|
| 1. _____ | _____ |
| 2. _____ | _____ |

City of Hattiesburg Representatives Present:

- | | |
|----------|-------|
| 1. _____ | _____ |
| 2. _____ | _____ |
| 3. _____ | _____ |
| 4. _____ | _____ |

BID RESULTS

Homeowner: _____

Addresses: _____

Bid Opening Date: _____

Calculated Cost Estimate \$ _____

10% Below Estimate \$ _____

10% Above Estimate \$ _____

Adjusted Cost Estimate \$ _____

10% Below Adjustment \$ _____

10% Above Adjustment \$ _____

Contractor	Total Bid Bid	Adjusted
Property address	\$	\$
	\$	\$
	\$	\$

The winning contractor is _____

with a bid of \$ _____
and a point score _____.

COMMENTS:

Prepared By: _____

Date: _____

Exhibit F

Rehabilitation/Repair/Reconstruction Grant Agreement Samples

CITY OF HATTIESBURG
HOUSING REPAIR (\$10K-)
GRANT AGREEMENT
General Terms and Conditions

1. _____ I certify that I currently live in and own the home for which I am accepting repair assistance.
2. _____ I agree to remain in Hattiesburg during the course of the repairs being performed and to make my home accessible between the hours of 7:00 a.m. and 5:00 p.m., Monday through Friday, unless otherwise arranged.
3. _____ I understand that I am responsible for arrangements and costs associated with my relocation for the duration of the repair work as necessary.
4. _____ I understand that I am responsible for moving and/or storing any items as deemed necessary for the start-up and through completion of the approved repair work.
5. _____ I understand that the discovery of illegal activities or the use of verbal or physical threats of harm towards City employees, the contractor or his workers will result in an immediate termination of all repair activities.
6. _____ I agree that the City has irrevocable rights and permission to use my name and to use, reproduce, exhibit, copyright and publish photographic images and/or videotaped images of me and/or my home for advertising, trade and/or any other lawful purpose.
7. _____ I certify that I am not an employee of the City of Hattiesburg, nor do I have an immediate family member who is an employee of the City.
8. _____ I hereby agree to occupy the home to be rehabilitated for a period of not less than three (3) years after completion of the repairs funded through the Housing Repair Program.
9. _____ I agree to repay the prorated grant amount and legal fees associated with securing repayment to the City should I sale, transfer or dispose of the property prior to the expiration of the three (3) year affordability period.
10. _____ I understand that I cannot apply for another Housing Rehabilitation or Housing Repair grant within the three (3) year affordability period.
11. _____ I hereby agree to maintain homeowner's insurance and when applicable, flood insurance.
12. _____ I hereby agree to maintain all county and city property taxes as they come due during the affordability period.
13. _____ I hereby agree that a partial payment for work completed may be drawn and will sign all necessary paperwork to allow for payment to the contractor.
14. _____ I hereby agree that the completion of all repairs and associated punch lists items shall constitute a complete work agreement and I will sign all the necessary paperwork to allow for final payment to the contractor.

By my signature below I agree to all the terms of this grant and understand that failure to abide by any of the terms will result in forfeiture of my grant and/or repayment of expended grant funds this the _____ day of _____, 20____.

Homeowner's Signature _____

Spouse's Signature _____

State of Mississippi, County of Forrest
subscribed and sworn before me on the
_____ day of _____, 20____.

Homeowner: _____

Address: _____

HATTIESBURG, MS 39401

Commission Expires

This grant shall become effective on this the _____ day of _____, 20____, and the grant amount shall be \$ _____.

By: _____

**CITY OF HATTIESBURG
HOUSING REHABILITATION (\$25K-)
GRANT AGREEMENT
General Terms and Conditions**

1. _____ I certify that I currently live in and own the home for which I am accepting repair assistance.
2. _____ I agree to remain in Hattiesburg during the course of the repairs being performed and to make my home accessible between the hours of 7:00 a.m. and 5:00 p.m., Monday through Friday, unless otherwise arranged.
3. _____ I understand that I am responsible for arrangements and costs associated with my relocation for the duration of the repair work as necessary.
4. _____ I understand that I am responsible for moving and/or storing any items as deemed necessary for the start-up and through completion of the approved repair work.
5. _____ I understand that the discovery of illegal activities or the use of verbal or physical threats of harm towards City employees, the contractor or his workers will result in an immediate termination of all repair activities.
6. _____ I agree that the City has irrevocable rights and permission to use my name and to use, reproduce, exhibit, copyright and publish photographic images and/or videotaped images of me and/or my home for advertising, trade and/or any other lawful purpose.
7. _____ I certify that I am not an employee of the City of Hattiesburg, nor do I have an immediate family member who is an employee of the City.
8. _____ I hereby agree to occupy the home to be rehabilitated for a period of not less than **five (5)** years after completion of the repairs funded under in the Housing Rehabilitation Program.
9. _____ I agree to repay the prorated grant amount and legal fees associated with securing repayment to the City should I sale, transfer or dispose of the property prior to the expiration of the **five (5)** year affordability period.
10. _____ I understand that I cannot apply for another Housing Rehabilitation or Housing Repair grant within the **five (5)** year affordability period.
11. _____ I hereby agree to maintain homeowner's insurance and when applicable, flood insurance.
12. _____ I hereby agree to maintain all county and city property taxes as they come due during the affordability period.
13. _____ I hereby agree that the completion of the repairs for which these grant funds are awarded shall constitute a complete work agreement and I will sign all the necessary paperwork to allow for payment to the contractor.
14. _____ I understand that I cannot authorize any other contractor/individual to make repairs to my home during the duration of the Grant Agreement. Should I allow another contractor/individual to make repairs during the term of the Grant Agreement I will void this agreement and forfeit my repair grant award.

By my signature below I agree to all the terms of this grant and understand that failure to abide by any of the terms will result in forfeiture of my grant and/or repayment of expended grant funds this the _____ day of _____, 20____.

Homeowner's Signature _____

Spouse's Signature _____

**State of Mississippi, County of Forrest
subscribed and sworn before me on the
_____ day of _____, 20____**

Homeowner: _____

Address: _____

HATTIESBURG, MS 39401

Commission Expires

This grant shall become effective on this the _____ day of _____, 20____ and the grant amount shall be \$ _____.

By: _____

CITY OF HATTIESBURG
HOUSING REHABILITATION (25K+)
GRANT AWARD AGREEMENT

General Terms and Conditions

1. _____ I certify that I currently live in and own the home for which I am accepting repair assistance.
2. _____ I agree to remain in Hattiesburg during the course of the repairs being performed and to make my home accessible between the hours of 7:00 a.m. and 5:00 p.m., Monday through Friday, unless otherwise arranged.
3. _____ I understand that I am responsible for packing and storage of jewelry, family heirlooms, food, cleaning and other chemicals, lawn equipment, and toiletries for the duration of the repair work as necessary. The storage company will not move or store these items.
4. _____ I understand that my refrigerator, dishwasher, freezer, washing machine and dryer must be cleaned and emptied when the moving company arrives and that *the moving company will not* be responsible for cleaning or mildew of appliances.
5. _____ I understand that I will not be able to remove any of my things out of storage prior to move back.
6. _____ I understand that the discovery of illegal activities or the use of verbal or physical threats of harm towards City employees, the contractor or his workers will result in an immediate termination of all repair activities.
7. _____ I agree that the City has irrevocable rights and permission to use my name and to use, reproduce, exhibit, copyright and publish photographic images and/or videotaped images of me and/or my home for advertising, trade and/or any other lawful purpose.
8. _____ I agree to attend Homeowner's Maintenance Training and understand that I will be contacted with the dates and times for this mandatory training.
9. _____ I certify that I am not an employee of the City of Hattiesburg, nor do I have an immediate family member who is an employee of the City.
10. _____ I hereby agree to occupy the home to be rehabilitated for a period of not less than **fifteen (15)** years after completion of the repairs funded under in the Housing Rehabilitation Program.
11. _____ I agree to repay the prorated grant amount and legal fees associated with securing repayment to the City should I sale, transfer or dispose of the property prior to the expiration of the **fifteen (15)** year affordability period.
12. _____ I understand that I cannot apply for another Housing Rehabilitation or Housing Repair Grant within the **fifteen (15)** year affordability period.
13. _____ I hereby agree to maintain homeowner's insurance and when applicable, flood insurance.
14. _____ I hereby agree to maintain all county and city property taxes as they come due during the affordability period.
15. _____ I hereby agree that the completion of the repairs for which these grant funds are awarded shall constitute a complete work agreement and I will sign all the necessary paperwork to allow for payment to the contractor.

By my signature below I, _____ of _____, agree to all the terms of this grant and understand that failure to abide by any of the terms will result in forfeiture of my grant and/or repayment of expended grant funds this the _____ day of _____, 2010.

Homeowner's Signature

Spouse's Signature

GRANT AWARD

The Homeowner(s), Homeowner of 4321 Tall Street, is hereby awarded a Housing Rehabilitation Grant for General Construction costs in an amount not to exceed \$50,000 [excluding 10% allowance for change order/discovery repairs according to the Housing Rehabilitation and Housing Programs Manual Section VIII (E)]. Lead and Asbestos activities have been contracted separately on this the 20th day of January, 2010.

City of Hattiesburg, Mississippi

Contractor

By: _____
Johnny L. DuPree, Mayor

Date: _____

By: _____

Date: _____

Attest: _____
City Clerk

Attest: _____

CITY OF HATTIESBURG
HOUSING RECONSTRUCTION
GRANT AWARD AGREEMENT
General Terms and Conditions

1. _____ I certify that I currently live in and own the home for which I am accepting reconstruction assistance.
2. _____ I agree to remain in Hattiesburg during the course of the reconstruction of my home, unless otherwise arranged.
3. _____ I understand that I am responsible for packing and storage of jewelry, family heirlooms, food, cleaning and other chemicals, lawn equipment, and toiletries for the duration of the reconstruction. The storage company will not move or store these items.
4. _____ I understand that my refrigerator, dishwasher, freezer, washing machine and dryer must be cleaned and emptied when the moving company arrives and that *the moving company will not* be responsible for cleaning or mildew of appliances.
5. _____ I understand that I will not be able to remove any of my things out of storage prior to move back.
6. _____ I understand that the discovery of illegal activities or the use of verbal or physical threats of harm towards City employees, the contractor or his workers will result in an immediate termination of all reconstruction activities.
7. _____ I agree that the City has irrevocable rights and permission to use my name and to use, reproduce, exhibit, copyright and publish photographic images and/or videotaped images of me and/or my home for advertising, trade and/or any other lawful purpose.
8. _____ I agree to attend Homeowner's Maintenance Training and understand that I will be contacted with the dates and times for this mandatory training.
9. _____ I certify that I am not an employee of the City of Hattiesburg, nor do I have an immediate family member who is an employee of the City.
10. _____ I hereby agree to occupy the home to be reconstructed for a period of not less than **fifteen (15)** years after completion of the reconstruction funded under in the Housing Reconstruction Program.
11. _____ I agree to repay the prorated grant amount and legal fees associated with securing repayment to the City should I sale, transfer or dispose of the property prior to the expiration of the **fifteen (15)** year affordability period.
12. _____ I understand that I cannot apply for another Housing Grant within the **fifteen (15)** year affordability period.
13. _____ I hereby agree to maintain homeowner's insurance and when applicable, flood insurance.
14. _____ I hereby agree to maintain all county and city property taxes as they come due during the affordability period.
15. _____ I hereby agree that the completion of the reconstruction for which these grant funds are awarded shall constitute a complete work agreement and I will sign all the necessary paperwork to allow for payment to the contractor.

By my signature below I, _____ of _____, agree to all the terms of this grant and understand that failure to abide by any of the terms will result in forfeiture of my grant and/or repayment of expended grant funds this the _____ day of _____, 20_____.

Homeowner's Signature

Spouse's Signature

GRANT AWARD

The Homeowner(s), _____ of _____, is hereby awarded a Housing Reconstruction Grant for General Construction costs in an amount not to exceed \$ _____ [excluding 10% allowance for change orders].

City of Hattiesburg, Mississippi

Contractor

By: _____
Johnny L. DuPree, Mayor

Date: _____

Attest: _____
City Clerk

By: _____

Date: _____

Attest: _____

Exhibit G

Notice To Proceed Samples

**NOTICE TO PROCEED
GENERAL CONSTRUCTION CONTRACTOR**

Date _____

Name _____
Company Name _____
Address _____
City, State, Zip _____

Dear _____:

In connection with the Work Agreement dated _____, for repairs to the property of _____ at _____, please proceed in accordance with the Work Agreement and Work Write-up.

You are to commence work no later than _____ (#) days from the date of notification that lead abatement and/or removal has been completed. All work shall be completed according to the Work Write-Up/Bid Solicitation within _____ (##) working days after starting construction.

Reminder: Please take this Notice to Proceed to the Land Code Division to obtain the completed permit. The permit must be posted on the job site in a place that is visible from the street.

City of Hattiesburg

Homeowner

By: _____
Signature

By: _____
Signature

I hereby acknowledge receipt of this document and agree to its contents.

Contractor

By: _____
Signature

Distribution: Original City, Copy Contractor, Copy Homeowner

**NOTICE TO PROCEED
LEAD ABATEMENT CONTRACTOR**

Date _____

Name _____

Company Name _____

Address _____

City, State, Zip _____

Dear _____:

In connection with lead base paint abatement and/or removal as reported by _____, for repairs to the property of _____ at _____ in compliance with OSHA, HUD, EPA and MDEQ regulations, including but not limited to regulations and standards for the removal and/or abatement of lead base paint containing materials:

You are to commence work no later than _____ (##) working days from the date of this document. All work shall be completed within _____ (##) working days after starting construction.

City of Hattiesburg

Homeowner

By: _____
Signature

By: _____
Signature

I hereby acknowledge receipt of this document and agree to its contents.

Contractor

By: _____
Signature

Distribution: Original City, Copy Contractor, Copy Homeowner

Exhibit H

Progress Inspection Report

PROGRESS INSPECTION REPORT

Purpose: To review work in progress to ensure that all items on the work write-up are being undertaken in a good workmanlike manner and in accordance with applicable codes and the Performance Standards of the City. This report is also to be used for homeowner problem reports during construction. **The Technical Inspector's signature is required solely for Code Inspections.**

Name of Property Owner: _____

Address of Residence: _____

Time and Date of Inspection:

_____ **Time**

_____ **Date**

Purpose of Inspection:

___ **Routine Site Visit** ___ **Problem [Scheduled]:** ___ **Code** ___ **First draw** ___ **Final Inspection**

Notes: _____

Housing Programs Inspector

_____ **Printed Name**

_____ **Signature**

Contractor / Designee

_____ **Printed Name**

_____ **Signature**

Housing Coordinator/Designee, when applicable

_____ **Printed Name**

_____ **Signature**

Technical Inspector, when applicable

_____ **Printed Name**

_____ **Signature**

Exhibit I

Certificate of Final Inspection – I-1
Lien Waiver – I-2

CERTIFICATE OF FINAL INSPECTION
City of Hattiesburg
Department of Federal & State Programs
200 Forrest Street
Hattiesburg, MS 39401

Project Number: HUD # _____ **Warranty Period Expiration Date:** _____

Date of Final Inspection: _____ **Time:** _____

Address of Property: _____

Name of Applicant(s) _____

CERTIFICATE OF FINAL INSPECTION:

Final inspection has been made of the property rehabilitated with Federal financial assistance. The construction work has been satisfactorily completed in accordance with the Repair Work Agreement.

We certify that no lead based paints were used on this structure under this Repair Work Agreement.

Homeowner Signature

Contractor Signature

Code Inspector Signature, if applicable

Housing Programs Inspector Signature

Building Official Signature

Housing Coordinator

LIEN WAIVER

FROM IT MAY CONCERN:

WHEREAS the undersigned has been employed by the CITY OF HATTIESBURG to furnish HOME REPAIRS for the premises known
_____ of which _____ is the owner.

THE undersigned, for and in consideration of _____ (\$ _____)
Dollars, and other good and valuable considerations, the receipt whereof is hereby acknowledged, do(es) hereby waive and release any
and all lien or claim or right of lien under the Statutes of the State of Mississippi, relating to Mechanic's liens on the above described
premises and improvements thereon, and on the monies or other considerations due or to become due from the owner, on account of labor
or services, material, fixtures or apparatus heretofore furnished which may be furnished by any time hereafter by the undersigned for the
above described premises.

Signed this _____ day of _____, 2003.

General Contractor's Signature

Business Name

NOTE: All waivers must be for the full amount paid. If waiver is for a corporation, corporate name should be used, and title of officer signing
waiver should be set forth; if waiver is for a partnership, the partnership name should be used, partner should sign and designate himself as
partner.

CONTRACTOR'S AFFIDAVIT

STATE OF MISSISSIPPI
COUNTY OF FORREST

TO WHOM IT MAY CONCERN:

THE undersigned, being duly sworn, deposes and says that he is the Owner of _____ who
is the contractor for the HOME REPAIRS work on the house of _____ located at _____
_____. That the total amount of the contract including extras at \$ _____ which
he has received payment of \$ - 0 - prior to this payment. That all waivers are true, correct and genuine and delivered
unconditionally and that there is no claim either legal or equitable to defeat the validity of said waivers. That the following are the names
of all parties who have furnished material or labor, or both, for said work and all parties having contracts or subcontracts for specific
portions of said work or for material entering into the construction thereof and the amount due or to become due to each, and that the
terms mentioned include all labor and material required to complete said work according to plans and specifications.

LABORERS AND SUPPLIERS:

_____	_____
_____	_____
_____	_____

That there are no other contracts for said work outstanding, and that there is nothing due or to become due to any person for material, labor or
other work of any kind done or to be done upon or in connection with said work other than the above stated.

Signed this _____ day of _____, 2003.

Subscribed and sworn before me this _____ day
of _____, 2003.

General Contractor's Signature

Commission Expires

Revised: 07/17/03

Exhibit J

**Change Order Form J-1
Detail/Cost Estimate – J-2**

CHANGE ORDER

Owner Name: _____ Change Order Date: _____

Property Address: _____ Contract/IDIS HUD # _____

Contractor: _____ Contract Date: _____

ORIGINAL CONTRACT AMOUNT: \$ _____ % of Contract

Amount of Change Order #1 (+) or (-) \$ _____

Amount of Change Order #2 (+) or (-) \$ _____

Amount of Change Order #3 (+) or (-) \$ _____

Amount of Change Order #4 (+) or (-) \$ _____

Amount of Change Order #5 (+) or (-) \$ _____

Total Amount of Change Order(s) \$ _____

TOTAL AMOUNT OF AMENDED CONTRACT TO DATE: \$ _____

REASON FOR CHANGE ORDER

() DISCOVERY () REPAIR EXCHANGE ----- See Attached Change Order/Bid Solicitation

ALL SIGNATURES ARE REQUIRED PRIOR TO REPAIR COMPLETION:

CDBG Rehab Specialist: _____ Date: _____

Housing Coordinator: _____ Date: _____

Director of Federal & State Programs: _____ Date: _____

Homeowner: _____ Date: _____

General Contractor/Designee: _____ Date: _____

CHANGE ORDER
DETAIL/COST ESTIMATE FORM

Homeowner: _____

Approval No.: _____

Address: _____

Date/Time: _____

DESCRIPTION OF WORK

COST \$

_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

TOTAL OF CHANGE ORDER \$ _____

Housing Program Inspector/Date

Contractor/Date

Homeowner/Date

Housing Coordinator/Date

Exhibit K

Temporary Relocation Policy

City of Hattiesburg Housing Programs Temporary Relocation Policy

Housing Rehabilitation/Repair Program Grant Recipients are advised that they will be responsible for arranging temporary relocation for the period of construction in the grant agreement; however, the City's Department of Federal and State Programs – Community Development Division may provide, as a part of the rehabilitation grant, relocation assistance limited to that described in this policy. This assistance will be in conjunction with the cost of the total rehabilitation project and only for the amount of time necessary until the homeowner can safely return to the unit under repair or construction.

Housing Rehabilitation Program Grant Recipients will be provided temporary relocation assistance because the program requires the existing structure to be vacant in order to provide renovations to the unit.

Assistance may be provided as follows:

1) Temporary Relocation (Extended Stay Hotel/Motel) – City or Homeowner Arranged

- a. The City will be responsible for local phone service and room costs.
- b. All Hotel/Motel facilities are subject to inspection and approval as decent, safe and affordable prior to move in.
- c. The homeowner will be responsible for meals, transportation, long distance, movie, pet and/or other incidental charges.

2) Temporary Relocation (Rental Unit) – City or Homeowner Arranged

- a. The City will be responsible for the monthly rental and utility charges on a month-to-month basis. Rental charges are subject to fair market rate for this area.
- b. All rental units are subject to inspection and approval as decent, safe and affordable prior to move in.
- c. The homeowner will be responsible for meals, transportation and other charges as applicable.

3) Temporary Relocation – Homeowner Arranged

- a. The City will provide a \$500.00 stipend per month to the applicant for relocation expenses associated with living with a relative or friend.
- b. The homeowner will be responsible for any and all other expenses.
- c. The first \$500.00 stipend will be provided on the first day of relocation. Each \$500.00 stipend thereafter will be provided on or about the 5th day of the month until the client is given instruction to move back into their home. Each stipend will be in the form of a check to the primary applicant.

4) General Relocation - Be Aware

- a. A Relocation Meeting will be held prior to the date of relocation to explain the process and provide a calendar or the dates of activities. The meeting will cover at a minimum the date of relocation, when movers will arrive, what items will not be stored, place of relocation and responsibilities of the grant recipient and the City during relocation.
- b. Moving expenses incurred prior to site approval by the City, the Relocation Meeting or a Notice to Relocate by the City of Hattiesburg, Department of Federal and State Programs – Community Development Division are not eligible for reimbursement.
- c. The Storage Company will not be responsible for packing or storage of jewelry, family heirlooms, kitchen, toiletries, cleaning or other chemicals, lawn equipment and chemicals.
- d. **Failure to have appliances emptied and clean, Kitchen cookware and dining ware, Bathroom toiletries, accessories and all Wall hangings removed and boxed up on the day of move out may result in the postponement or termination of your home repair grant.**
- e. All food items, house and yard chemicals, sprays, perfumes, mouthwash, etc. etc and lawn equipment must be packed and removed from the property by the Homeowner. ***The Moving Company will not store these items.***

5) During Repair Work or Construction – Homeowner Availability

- a. Homeowners are required to stay in town during the entire course of repairs or construction work.
- b. In the event of an emergency which requires that the Homeowner leave town for a period of time, a Homeowner Representative must be designated. This person will have the authority to make decisions about the repairs being performed on the house and to sign as approver in the absence of the homeowner.
- c. The Homeowner Representative must be at least 21 years of age.

6) Construction Complete – Homeowner Move Back

- a. The Homeowner will be notified when it is safe to return to their home and given the date that the Moving Company will return stored items.
- b. The Moving Company will place appliances, furniture and setup beds in designated areas.
- c. The Homeowner will be responsible for unpacking all boxes.

Homeowner Signature

Date

Property Address: _____

Exhibit L

Uniform Physical Condition Standards Checklist

Uniform Physical Condition Standards - Comprehensive Listing

Inspectable Area: Site

Page: _____ of _____

Property ID / Name: _____

Inspection Date: _____

Inspectable Item	Observable Deficiency	NOD	Level			NA	H&S
			1	2	3		
Fencing and Gates	Damaged/Falling/Leaning						NLT
	Holes						NLT
	Missing Sections						NLT
Grounds	Erosion/Rutting Areas						NLT
	Overgrown/Penetrating Vegetation						
	Ponding/Site Drainage						
Health & Safety	Air Quality - Sewer Odor Detected						NLT
	Air Quality - Propane/Natural Gas/Methane Gas Detected						LT
	Electrical Hazards - Exposed Wires/Open Panels						LT
	Electrical Hazards - Water Leaks on/near Electrical Equipment						LT
	Flammable Materials - Improperly Stored						NLT
	Garbage and Debris - Outdoors						NLT
	Hazards - Other						NLT
	Hazards - Sharp Edges						NLT
	Hazards - Tripping						NLT
	Infestation - Insects						NLT
	Infestation - Rats/Mice/Vermin						NLT
Mailboxes/Project Signs	Mailbox Missing/Damaged						
	Signs Damaged						
Market Appeal	Graffiti						
	Litter						
Parking Lots/Driveways/Roads	Cracks						
	Ponding						
	Potholes/Loose Material						
	Settlement/Heaving						
Play Areas and Equipment	Damaged/Broken Equipment						NLT
	Deteriorated Play Area Surface						
Refuse Disposal	Broken/Damaged Enclosure-Inadequate Outside Storage Space						
Retaining Walls	Damaged/Falling/Leaning						NLT
Storm Drainage	Damaged/Obstructed						
Walkways/Steps	Broken/Missing Hand Railing						NLT
	Cracks/Settlement/Heaving						
	Spalling						

- In order to accurately categorize a deficiency as a "Level 1", "Level 2" or "Level 3" (including independent Health & Safety items), you must refer to the Final Dictionary of Deficiency Definitions (PASS) Version 2.3, dated 03/08/2000. This document can be found at

"http://www.hud.gov/offices/reac/pdf/pass_dict2.3.pdf" (325 Pages, 343 KB)

- Additional clarification to these definitions is contained in the REAC PASS Compilation Bulletin which can be found at

"http://www.hud.gov/offices/reac/pdf/pass_bulletin.pdf" (24 Pages, 275 KB)

- Only level 3 is applied to independent Health & Safety deficiencies.

- In the H&S column, NLT is a "Non-Life Threatening" Health & Safety concern whereas LT is a "Life Threatening" concern which calls for immediate attention or remedy and will show up on the Exigent Health and Safety Report at the end of an inspection.

Uniform Physical Condition Standards - Comprehensive Listing
Inspectable Area: Building Exterior

Page: _____ of _____

Property ID / Name: _____

Inspection Date: _____

Building Number: _____

Inspectable Item	Observable Deficiency	NOD	Level			NA	H&S
			1	2	3		
Doors	Damaged Frames/Threshold/Lintels/Trim						NLT
	Damaged Hardware/Locks						
	Damaged Surface (Holes/Paint/Rusting/Glass)						
	Damaged/Missing Screen/Storm/Security Door						NLT
	Deteriorated/Missing Caulking/Seals						
	Missing Door						
Fire Escapes	Blocked Egress/Ladders						LT
	Visibly Missing Components						LT
Foundations	Cracks/Gaps						
	Spalling/Exposed Rebar						
Health and Safety	Electrical Hazards - Exposed Wires/Open Panels						LT
	Electrical Hazards - Water Leaks on/near Electrical Equipment						LT
	Emergency Fire Exits - Emergency/Fire Exits Blocked/Unusable						LT
	Emergency Fire Exits - Missing Exit Signs						NLT
	Flammable/Combustible Materials - Improperly Stored						NLT
	Garbage and Debris - Outdoors						NLT
	Hazards - Other						NLT
	Hazards - Sharp Edges						NLT
	Hazards - Tripping						NLT
	Infestation - Insects						NLT
	Infestation - Rats/Mice/Vermin						NLT
Lighting	Broken Fixtures/Bulbs						
Roofs	Damaged Soffits/Fascia						
	Damaged Vents						
	Damaged/Clogged Drains						
	Damaged/Torn Membrane/Missing Ballast						
	Missing/Damaged Components from Downspout/Gutter						
	Missing/Damaged Shingles						
	Ponding						
Walls	Cracks/Gaps						
	Damaged Chimneys						NLT
	Missing/Damaged Caulking/Mortar						
	Missing Pieces/Holes/Spalling						
	Stained/Peeling/Needs Paint						
Windows	Broken/Missing/Cracked Panes						NLT
	Damaged Sills/Frames/Lintels/Trim						
	Damaged/Missing Screens						
	Missing/Deteriorated Caulking/Seals/Glazing Compound						
	Peeling/Needs Paint						
	Security Bars Prevent Egress						LT

- In order to accurately categorize a deficiency as a "Level 1", "Level 2" or "Level 3" (including independent Health & Safety items), you must refer to the Final Dictionary of Deficiency Definitions (PASS) Version 2.3, dated 03/08/2000. This document can be found at "http://www.hud.gov/offices/reac/pdf/pass_dict2.3.pdf" (325 Pages, 343 KB)

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- Only level 3 is applied to independent Health & Safety deficiencies.

- In the H&S column, NLT is a "Non-Life Threatening" Health & Safety concern whereas LT is a "Life Threatening" concern which calls for immediate attention or remedy and will show up on the Exigent Health and Safety Report at the end of an inspection.

Uniform Physical Condition Standards - Comprehensive Listing

Page: _____ of _____

Inspectable Area: Building Systems

Property ID / Name: _____

Inspection Date: _____

Building Number: _____

Inspectable Item	Observable Deficiency	NOD	Level			NA	H&S
			1	2	3		
Domestic Water	Leaking Central Water Supply						
	Misaligned Chimney/Ventilation System						LT
	Missing Pressure Relief Valve						NLT
	Rust/Corrosion on Heater Chimney						NLT
	Water Supply Inoperable						NLT
Electrical System	Blocked Access/Improper Storage						NLT
	Burnt Breakers						NLT
	Evidence of Leaks/Corrosion						NLT
	Frayed Wiring						
	Missing Breakers/Fuses						LT
	Missing Covers						LT
Elevators	Not Operable						NLT
Emergency Power	Auxiliary Lighting Inoperable						
	Run-Up Records/Documentation Not Available						
Fire Protection	Missing Sprinkler Head						NLT
	Missing/Damaged/Expired Extinguishers						LT
Health & Safety	Air Quality - Mold and/or Mildew Observed						NLT
	Air Quality - Propane/Natural Gas/Methane Gas Detected						LT
	Air Quality - Sewer Odor Detected						NLT
	Electrical Hazards - Exposed Wires/Open Panels						LT
	Electrical Hazards - Water Leaks on/near Electrical Equipment						LT
	Elevator - Tripping						NLT
	Emergency Fire Exits - Emergency/Fire Exits Blocked/Unusable						LT
	Emergency Fire Exits - Missing Exit Signs						NLT
	Flammable Materials - Improperly Stored						NLT
	Garbage and Debris - Indoors						NLT
	Hazards - Other						NLT
	Hazards - Sharp Edges						NLT
	Hazards - Tripping						NLT
	Infestation - Insects						NLT
	Infestation - Rats/Mice/Vermin						NLT
HVAC	Boiler/Pump Leaks						
	Fuel Supply Leaks						NLT
	General Rust/Corrosion						NLT
	Misaligned Chimney/Ventilation System						LT
Roof Exhaust System	Roof Exhaust Fan(s) Inoperable						
Sanitary System	Broken/Leaking/Clogged Pipes or Drains						NLT
	Missing Drain/Cleanout/Manhole Covers						

- In order to accurately categorize a deficiency as a "Level 1", "Level 2" or "Level 3" (including independent Health & Safety items), you must refer to the Final Dictionary of Deficiency Definitions (PASS) Version 2.3, dated 03/08/2000. This document can be found at "http://www.hud.gov/offices/reac/pdf/pass_dict2.3.pdf" (325 Pages, 343 KB)

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- Only level 3 is applied to independent Health & Safety deficiencies.

- In the H&S column, NLT is a "Non-Life Threatening" Health & Safety concern whereas LT is a "Life Threatening" concern which calls for immediate attention or remedy and will show up on the Exigent Health and Safety Report at the end of an inspection.

Uniform Physical Condition Standards - Comprehensive Listing
Inspectable Area: Common Areas

Page: _____ of _____

Property ID / Name: _____
 Building Number: _____

Inspection Date: _____

X	Inspectable Item Location	Observable Deficiency	NOD	Level			NA	H&S
				1	2	3		
	Basement/Garage/Carport	Baluster/Side Railings - Damaged						
	Closet/Utility/Mechanical	Cabinets - Missing/Damaged						
	Community Room	Call for Aid - Inoperable						NLT
	Day Care	Ceiling - Bulging/Buckling						
	Halls/Corridors/Stairs	Ceiling - Holes/Missing Tiles/Panels/Cracks						
	Kitchen	Ceiling - Peeling/Needs Paint						
	Laundry Room	Ceiling - Water Stains/Water Damage/Mold/Mildew						
	Lobby	Countertops - Missing/Damaged						
	Office	Dishwasher/Garbage Disposal - Inoperable						
	Other Community Spaces	Doors - Damaged Frames/Threshold/Lintels/Trim						NLT
	Patio/Porch/Balcony	Doors - Damaged Hardware/Locks						
	Restrooms/Pool Structures	Doors - Damaged Surface (Holes/Paint/Rust/Glass)						
	Storage	Doors - Damaged/Missing Screen/Storm/Security Door						NLT
		Doors - Deteriorated/Missing Seals (Entry Only)						
		Doors - Missing Door						
		Dryer Vent -Missing/Damaged/Inoperable						
		Electrical - Blocked Access to Electrical Panel						NLT
		Electrical - Burnt Breakers						NLT
		Electrical - Evidence of Leaks/Corrosion						NLT
		Electrical - Frayed Wiring						
		Electrical - Missing Breakers						LT
		Electrical - Missing Covers						LT
		Floors - Bulging/Buckling						
		Floors - Floor Covering Damaged						
		Floors - Missing Floor/Tiles						
		Floors - Peeling/Needs Paint						
		Floors - Rot/Deteriorated Subfloor						
		Floors - Water Stains/Water Damage/Mold/Mildew						
		GFI - Inoperable						NLT
		Graffiti						
		HVAC - Convection/Radiant Heat System Covers Missing/Damaged						
		HVAC - General Rust/Corrosion						
		HVAC - Inoperable						
		HVAC - Misaligned Chimney/Ventilation System						LT
		HVAC - Noisy/Vibrating/Leaking						
		Lavatory Sink - Damaged/Missing						NLT
		Lighting - Missing/Damaged/Inoperable Fixture						
		Mailbox - Missing/Damaged						
		Outlets/Switches/Cover Plates - Missing/Broken						LT
		Pedestrian/Wheelchair Ramp						
		Plumbing - Clogged Drains						NLT
		Plumbing - Leaking Faucet/Pipes						NLT
		Range Hood /Exhaust Fans - Excessive Grease/Inoperable						
		Range/Stove - Missing/Damaged/Inoperable						
		Refrigerator - Damaged/Inoperable						
		Restroom Cabinet - Damaged/Missing						
		Shower/Tub - Damaged/Missing						
		Sink - Missing/Damaged						NLT
		Smoke Detector - Missing/Inoperable						LT
		Stairs - Broken/Damaged/Missing Steps						NLT
		Stairs - Broken/Missing Hand Railing						NLT
		Ventilation/Exhaust System - Inoperable						
		Walls - Bulging/Buckling						
		Walls - Damaged						
		Walls - Damaged/Deteriorated Trim						
		Walls - Peeling/Needs Paint						
		Walls - Water Stains/Water Damage/Mold/Mildew						
		Water Closet/Toilet - Damaged/Clogged/Missing						
		Windows - Cracked/Broken/Missing Panes						NLT
		Windows - Damaged Window Sill						
		Windows - Inoperable/Not Lockable						NLT

	Windows - Missing/Deteriorated Caulking/Seals/Glazing Compound						
	Windows - Peeling/Needs Paint						
	Windows - Security Bars Prevent Egress						LT
Health & Safety	Air Quality - Mold and/or Mildew Observed						NLT
	Air Quality - Propane/Natural Gas/Methane Gas Detected						LT
	Air Quality - Sewer Odor Detected						NLT
	Electrical Hazards - Exposed Wires/Open Panels						LT
	Electrical Hazards - Water Leaks on/near Electrical Equipment						LT
	Emergency Fire Exits - Emergency/Fire Exits Blocked/Unusable						LT
	Emergency Fire Exits - Missing Exit Signs						NLT
	Flammable/Combustible Materials - Improperly Stored						NLT
	Garbage and Debris - Indoors						NLT
	Garbage and Debris - Outdoors						NLT
	Hazards - Other						NLT
	Hazards - Sharp Edges						NLT
	Hazards - Tripping						NLT
	Infestation - Insects						NLT
	Infestation - Rats/Mice/Vermin						NLT
Pools and Related Structures	Fencing - Damaged/Not Intact						
	Pool - Not Operational						
Trash Collection Areas	Chutes - Damaged/Missing Components						

- In order to accurately categorize a deficiency as a "Level 1", "Level 2" or "Level 3" (including independent Health & Safety items), you must refer to the Final Dictionary of Deficiency Definitions (PASS) Version 2.3, dated 03/08/2000. This document can be found at "http://www.hud.gov/offices/reac/pdf/pass_dict2.3.pdf" (325 Pages, 343 KB)
- Additional clarification to these definitions is contained in the REAC PASS Compilation Bulletin which can be found at "http://www.hud.gov/offices/reac/pdf/pass_bulletin.pdf" (24 Pages, 275 KB)
- Only level 3 is applied to independent Health & Safety deficiencies.
- In the H&S column, NLT is a "Non-Life Threatening" Health & Safety concern whereas LT is a "Life Threatening" concern which calls for immediate attention or remedy and will show up on the Exigent Health and Safety Report at the end of an inspection.

Uniform Physical Condition Standards - Comprehensive Listing

Page: _____ of _____

Inspectable Area: Unit

Property ID / Name: _____

Inspection Date: _____

Building/Unit Nmbr: _____

Inspectable Item	Observable Deficiency	NOD	Level			NA	H&S
			1	2	3		
Bathroom	Bathroom Cabinets - Damaged/Missing						
	Lavatory Sink - Damaged/Missing						NLT
	Plumbing - Clogged Drains						NLT
	Plumbing - Leaking Faucet/Pipes						NLT
	Shower/Tub - Damaged/Missing						NLT
	Ventilation/Exhaust System - Inoperable						
	Water Closet/Toilet - Damaged/Clogged/Missing						NLT
Call-for-Aid	Inoperable						NLT
Ceiling	Bulging/Buckling						
	Holes/Missing Tiles/Panels/Cracks						
	Peeling/Needs Paint						
	Water Stains/Water Damage/Mold/Mildew						
Doors	Damaged Frames/Threshold/Lintels/Trim						NLT
	Damaged Hardware/Locks						
	Damaged/Missing Screen/Storm/Security Door						NLT
	Damaged Surface - Holes/Paint/Rusting/Glass						
	Deteriorated/Missing Seals (Entry Only)						
	Missing Door						NLT
Electrical System	Blocked Access to Electrical Panel						NLT
	Burnt Breakers						NLT
	Evidence of Leaks/Corrosion						NLT
	Frayed Wiring						
	GFI - Inoperable						NLT
	Missing Breakers/Fuses						LT
	Missing Covers						LT
Floors	Bulging/Buckling						
	Floor Covering Damage						
	Missing Flooring Tiles						
	Peeling/Needs Paint						
	Rot/Deteriorated Subfloor						
	Water Stains/Water Damage/Mold/Mildew						
Health & Safety	Air Quality - Mold and/or Mildew Observed						NLT
	Air Quality - Sewer Odor Detected						NLT
	Air Quality - Propane/Natural Gas/Methane Gas Detected						LT
	Electrical Hazards - Exposed Wires/Open Panels						LT
	Electrical Hazards - Water Leaks on/near Electrical Equipment						LT
	Emergency Fire Exits - Emergency/Fire Exits Blocked/Unusable						LT
	Emergency Fire Exits - Missing Exit Signs						NLT
	Flammable Materials - Improperly Stored						NLT
	Garbage and Debris - Indoors						NLT
	Garbage and Debris - Outdoors						NLT
	Hazards - Other						NLT
	Hazards - Sharp Edges						NLT
	Hazards - Tripping						NLT
	Infestation - Insects						NLT
	Infestation - Rats/Mice/Vermin						NLT
Hot Water Heater	Misaligned Chimney/Ventilation System						LT
	Inoperable Unit/Components						NLT
	Leaking Valves/Tanks/Pipes						
	Pressure Relief Valve Missing						NLT
	Rust/Corrosion						NLT
HVAC System	Convection/Radiant Heat System Covers Missing/Damaged						
	Inoperable						
	Misaligned Chimney/Ventilation System						LT

	Noisy/Vibrating/Leaking						
	Rust/Corrosion						
Kitchen	Cabinets - Missing/Damaged						NLT
	Countertops - Missing/Damaged						NLT
	Dishwasher/Garbage Disposal - Inoperable						
	Plumbing - Clogged Drains						NLT
	Plumbing - Leaking Faucet/Pipes						NLT
	Range Hood/Exhaust Fans - Excessive Grease/Inoperable						
	Range/Stove - Missing/Damaged/Inoperable						
	Refrigerator-Missing/Damaged/Inoperable						NLT
	Sink - Damaged/Missing						NLT
Laundry Area (Room)	Dryer Vent - Missing/Damaged/Inoperable						
Lighting	Missing/Inoperable Fixture						NLT
Outlets/Switches	Missing						LT
	Missing/Broken Cover Plates						LT
Patio/Porch/Balcony	Baluster/Side Railings Damaged						
Smoke Detector	Missing/Inoperable						LT
Stairs	Broken/Damaged/Missing Steps						NLT
	Broken/Missing Hand Railing						NLT
Walls	Bulging/Buckling						
	Damaged						
	Damaged/Deteriorated Trim						
	Peeling/Needs Paint						
	Water Stains/Water Damage/Mold/Mildew						
Windows	Cracked/Broken/Missing Panes						NLT
	Damaged Window Sill						
	Missing/Deteriorated Caulking/Seals/Glazing Compound						
	Inoperable/Not Lockable						NLT
	Peeling/Needs Paint						
	Security Bars Prevent Egress						LT

- In order to accurately categorize a deficiency as a "Level 1", "Level 2" or "Level 3" (including independent Health & Safety items), you must refer to the Final Dictionary of Deficiency Definitions (PASS) Version 2.3, dated 03/08/2000. This document can be found at "http://www.hud.gov/offices/reac/pdf/pass_dict2.3.pdf" (325 Pages, 343 KB)

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City of Hattiesburg, MS

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

Master

File Number: 2014-0899

File ID: 2014-0899

Type: Regular Agenda Item

Status: Passed

Version: 1

Reference:

In Control: City Council

File Created: 01/31/2014

Final Action: 02/04/2014

Brief Title: Declare the purchase of roadway salt from Miles Pool Supply due to road conditions from the ice storm as an emergency purchase (Mississippi Code 31-7-13 (k)) and request payment in the amount of \$9,282.50 as a manual check.

Minute Book Number: MB2014-37

Title:

Declare the purchase of roadway salt from Miles Pool Supply due to road conditions from the ice storm as an emergency purchase (Mississippi Code 31-7-13 (k)) and request payment in the amount of \$9,282.50 as a manual check.

Notes:

Sponsors:

Enactment Date:

Attachments: 02-04-Miles Pool Supply Emergency Purchase

Enactment Number:

Contact:

Meeting Date: 02/04/2014

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014	Approve				Pass
Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Dryden to Declare the purchase of roadway salt from Miles Pool Supply due to road conditions from the ice storm as an emergency purchase (Mississippi Code 31-7-13 (k)) and request payment in the amount of \$9,282.50 as a manual check.							
There being no discussion, the Motion received the affirmative vote of the Council as follows:							
Yeas: 5 - Bradley, Delgado, Carroll, Dryden and Naylor							
Nays: 0							
Yea: 5 Council Member Bradley Council Member Delgado Council Member Carroll Council Member Dryden Council Member Naylor							
TEL-No Vote: 0							

Text of Legislative File 2014-0899

Title

Declare the purchase of roadway salt from Miles Pool Supply due to road conditions from the ice storm as an emergency purchase (Mississippi Code 31-7-13 (k)) and request payment in the amount of \$9,282.50 as a manual check.

Summary

Declare the purchase of roadway salt from Miles Pool Supply due to road conditions from the ice storm as an emergency purchase (Mississippi Code 31-7-13 (k)) and request payment in the amount of \$9,282.50 as a manual check.



Mayor
Johnny L. DuPree, Ph.D.

Council - Ward 1
Kim Bradley

Council - Ward 2
Deborah Denard Delgado

Council - Ward 3
Carter Carroll

Council - Ward 4
Mary Dryden

Council - Ward 5
Henry Naylor

TO: Mayor and Council

FROM: Ann Jones, Recreation Maintenance, General Manager

DATE: January 30, 2014

RE: January 2014 Ice Storm Salt-Emergency Purchase

The purpose of this memo is to inform you that during the course of the Ice Storm that began on January 28, 2014, road conditions deteriorated to such point that procurement of additional roadway salt became essential. The material was emergently obtained from Miles Pool Supply in the quantity necessary to provide coverage for bridges, off-ramps, and primary roadways throughout the City. The order was for 1071 bags (17 pallets) of salt delivered to Hattiesburg Public Works Department for a total of \$9,282.50.

If you need additional information, please feel free to contact me at (601) 545-4667.

MAJ/

MILES POOL SUPPLIES

P O BOX 1702
3724 HWY 15 NORTH
LAUREL, MS 39441
USA

OR# 152181

INVOICE

Invoice Number: 1802
Invoice Date: Jan 28, 2014
Page: 1

Voice: 601-649-7665
Fax: 601-649-1753

Bill To:
CITY OF HATTIESBURG P O BOX 1898 HATTIESBURG, MS 39403 USA

Ship to:

Customer ID	Customer PO	Payment Terms	
5454510		Net 10 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
	Cust. Pickup		2/7/14

Quantity	Item	Description	Unit Price	Amount
1,071.00	9509	AQUASALT 40LB BAG	7.50	8,032.50
1.00	9998	FREIGHT	1,250.00	1,250.00
Subtotal				9,282.50
Sales Tax				
Total Invoice Amount				9,282.50
Payment/Credit Applied				
TOTAL				9,282.50

Check/Credit Memo No:



City of Hattiesburg, MS

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

Master

File Number: 2014-0889

File ID: 2014-0889

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 01/27/2014

Brief Title: Renew maintenance agreement between the City of Hattiesburg and RJ Young for maintenance on a copier located in the Traffic/Construction Division

Final Action:

Minute Book Number: MB2014-37

Title:

Authorize Mayor to renew maintenance agreement between the City of Hattiesburg and RJ Young for maintenance on a copier located in the Traffic/Construction Division

Notes:

Sponsors:

Enactment Date:

Attachments: 02-04-Traffic Copier Agreement

Enactment Number:

Contact:

Meeting Date: 02/04/2014

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014					

Text of Legislative File 2014-0889

Title

Authorize Mayor to renew maintenance agreement between the City of Hattiesburg and RJ Young for maintenance on a copier located in the Traffic/Construction Division

Summary

Renew maintenance agreement between the City of Hattiesburg and RJ Young for maintenance on a copier located in the Traffic/Construction Division



Mayor

Johnny L. DuPree, Ph.D.

Council - Ward 1
Klm Bradley

Council - Ward 2
Deborah Denard Delgado

Council - Ward 3
Carter Carroll

Council - Ward 4
Dave J. Ware, II

Council - Ward 5
Henry Naylor

TO: Mayor and Council

FROM: Richard L. Thompson, Division Manager, Traffic Control & Operations
RLT/ss

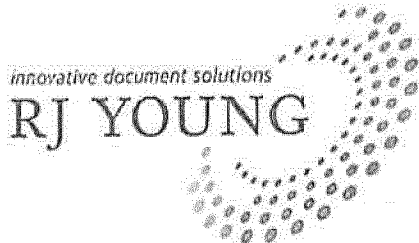
DATE: January 21, 2014

RE: Maintenance Renewal on Canon C2550 Copier

Please allow us to renew our maintenance agreement on our copier with RJ Young for the period beginning 12/10/13 to 12/9/14.

If you should have any questions concerning this, please do not hesitate to contact me.

RLT/ss



809 Division Street
Nashville, TN 37203

615-255-8551
1-800-347-1955

CONTRACT INVOICE

Invoice Number: INV164947
Invoice Date: 12/10/2013

Bill To: CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39401

Customer: CITY OF HATTIESBURG
CONSTRUCTION/TRAFFIC DEPT
125 WALNUT ST
HATTIESBURG, MS 39401

Account No	Payment Terms	Due Date	Invoice Total	Balance Due	
C-HM0336	Due Upon Receipt	01/09/2014	\$ 695.75	\$ 695.75	
Contract Number	Contact	Contract Amount	P.O. Number	Contract Type	Bill Code
C-2082-01	601-545-4626	\$ 695.75		SMP Group	SPL00DN2
Remarks					

Summary:

Contract base rate charge for the 12/10/2013 to 12/09/2014 billing period \$436.00 *

Contract overage charge for the 12/10/2012 to 12/09/2013 overage period \$259.75 **

*Sum of equipment base charges **See overage details below \$695.75

Detail:

Equipment included under this contract

Canon/C2550

Number	Serial Number	Base Charge			Location				
017BT-C	HMF00918	\$436.00			CITY OF HATTIESBURG 125 WALNUT ST HATTIESBURG, MS 39401				
Meter Type	Meter Group	Begin Meter	End Meter	Credits	Total	Covered	Billable	Rate	Overage
B/W	C-BC-C2550-HI	20,190	31,520		11,330	24,000	0	\$0.018100	\$0.00
Color	C-CC-C2550-HI	732	2,869		2,137	0	2,137	\$0.121550	\$259.75
									\$259.75

Remit to:
RJ Young Company Inc.
PO Box 40623
Nashville, TN 37204

Invoice SubTotal	\$695.75
Tax:	\$0.00
Invoice Total	\$695.75
Balance Due:	\$695.75



City of Hattiesburg, MS

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

Master

File Number: 2014-0890

File ID: 2014-0890

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 01/27/2014

Brief Title: Acknowledge receipt of the two bid purchase docket for the period of November 26, 2013 through January 26, 2014

Final Action:

Minute Book Number: MB2014-38

Title:

Acknowledge receipt of the two bid purchase docket for the period of November 26, 2013 through January 26, 2014 as provided for in Section 31-7-13 (b) of the Mississippi Code of 1972

Notes:

Sponsors:

Enactment Date:

Attachments: 02-04-Two Quote Docket

Enactment Number:

Contact:

Meeting Date: 02/04/2014

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014					

Text of Legislative File 2014-0890

Title

Acknowledge receipt of the two bid purchase docket for the period of November 26, 2013 through January 26, 2014 as provided for in Section 31-7-13 (b) of the Mississippi Code of 1972

Summary

Acknowledge receipt of the two bid purchase docket for the period of November 26, 2013 through January 26, 2014



Mayor

Johnny L. DuPree, Ph.D.

Council - Ward 1
Kim Bradley

Council - Ward 2
Deborah Denard Delgado

Council - Ward 3
Carter Carroll

Council - Ward 4
Dave J. Ware, II

Council - Ward 5
Henry Naylor

MEMORANDUM

TO: Mayor and Council

FROM: Michael Pope, Purchasing Department

DATE: January 27, 2014

SUBJECT: Unadvertised Bid Docket Acknowledgment

Attached is the purchase docket for the period of November 26, 2013, through January 26, 2014 covering purchases requiring the obtaining of a minimum of two bids as defined in Section 31-7-13 (B) of the Mississippi Code.

This report is submitted for your review and acknowledgment on the minutes of the City Council. Should there be any questions, please do not hesitate to contact my office.

MAP

SUCCESSFUL BID/ OTHER BID	BID RECEIVED	BID AWARDED	BID AMOUNT	PURCHASE ORDER	ITEM DESCRIPTION
GILKEY ELECTRIC SUPPLY CO INC IRBY, STUART C CO	12/02/13 12/02/13	12/02/13 12/02/13	7,092.00 7,784.00	138600	STREETS LIGHTS REPLACEMENTS
LYMAN WELL COMPANY INDUSTRIAL ELECTRIC MOTOR WORKS, INC	12/10/13 12/10/13	12/10/13 12/10/13	6,300.00 6,338.10	138800	75 H.P 460 VOLT 3PHASE FOR LINCOLN AND 28TH
C D W GOVERNMENT BARRACUDA NETWORKS INC	12/10/13 12/10/13	12/10/13 12/10/13	5,785.70 8,445.00	138801	WEBFILTER FOR CITY NETWORK
TEMPLE INC POWELL CONSTRUCTION SERVICES INC	12/11/13 12/11/13	12/11/13 12/11/13	7,522.00 8,725.00	138829	HARDY ST & 34TH AVE - REPLACE DAMAGED CONTR
AMERICAN AIR SPECIALISTS INC ESSCO HEATING AND A/C	01/08/14 01/08/14	01/08/14 01/08/14	5,256.00 6,200.00	139289	REMOVE OLD & PROVIDE/ INSTALL NEW HEAT PUM
SUNSHINE EQUIPMENT CO INC BEARD EQUIPMENT CO	01/08/14 01/08/14	01/08/14 01/08/14	5,252.00 5,595.00	139290	SOD CUTTER FOR USE CITY WIDE
WATER FLOW PRODUCTIONS INC FAGAN TREE AND SPRAYING SERVICE	01/15/14 01/15/14	01/15/14 01/15/14	7,880.00 8,535.00	139519	TOWN PARK-IRRIGATION INSTALLATION

BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
PURCHASE ORDER
THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

Page 1
Date 12/02/13

POINT OF CONTACT:

PO No. 138600
Req No. 2008

VENDOR MAILING:
GILKEY ELECTRIC SUPPLY CO INC
1300 W PINE ST
PO BOX 17287
HATTIESBURG MS 39404-7287

PONDER, MATTIE
MINUTE BOOK # pending
VENDOR # 00001487
(601) 5454626

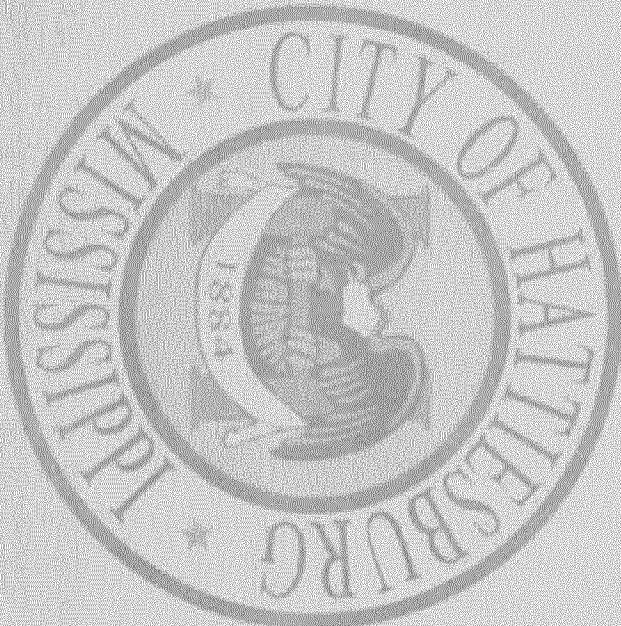
SHIP TO:
CITY OF HATTIESBURG
TRAFFIC/CONSTRUCTION
125 WALNUT ST
HATTIESBURG MS 39401

PROCESSING CODE:

PROJECT LINE: STREES LIGHTS REPLACEMENTS

SEND METHOD 1 (601)5543107

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001207.5991.02	A850A/5P/PT/9315TO DME/NO BALLAST OR OPTICS/2-GFI/DBA/SH/PEC/BKT NO LAMP COMPLETE ASSEMBLY LESS BALLAST & OPTICAL ASSEMBLY /STERNBERG	2.00	EA	2,969.0000	5,938.00
001207.5991.02	STERNBERG 9601- DBP/BK-DIRECT BURIAL ASSEMBLY SHAFT	2.00	EA	577.0000	1,154.00



TOTAL CONTRACT AMOUNT NOT TO EXCEED

7,092.00

SUBMIT SEPARATE INVOICES FOR
EACH ORDER. PREPAY SHIPPING
CHARGES IF ANY AND ADD TO INVOICE.

THIS PO NUMBER MUST APPEAR
ON ALL PACKAGES & INVOICES.

FOR CORRECTIONS TO VENDOR
ADDRESS ABOVE, CONTACT ACCOUNTING
(601) 545-4686.

NOV-22-2013 FRI 01:22 PM Gilkey Electric
NOV-21-2013 (THU) 07:49

FAX NO. 6015543107

P. 002/003

P. 01/01

P. 003/003

43530

GILKEY ELECTRIC SUPPLY CO
1300 E FINE ST
PO BOX 17257
HATTIESBURG MS 39404-7257

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FROM

Mail To.

CITY OF HATTIESBURG
PURCHASING DIVISION
220 S FRONT ST 2ND FLOOR
HATTIESBURG MS 39401

Page No. 11/20/13
Date 2013
Order Number 00

Phone Number 601 6454512

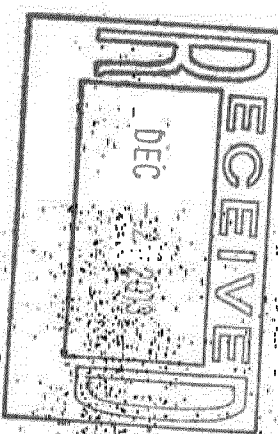
PRINTED NAME: Debra Gilkey
SIGNATURE: [Signature] DATE: 11/22/2013

Subpoing items are F.O.B. destination, freight prepaid

ITEM DESCRIPTION	Request Date	QTY	Unit	Unit Price	Extended Price	Delivery Date	Expire Date
ABRGA/EP/F1/931610 OPTICS/2-091/DBA/SH/PEC/RET NO LAMP COMPLETE ASSEMBLY LESS BALLAST & OPTICAL ASSEMBLY/STARRBURG	11/20/13	2.00	EA	2969.00	5938.00	12/12/13	
STARRBURG 9001-DEP/BR-DIRECT SERIAL ASSEMBLY SHATT	11/20/13	2.00	EA	577.00	1154.00	12/12/13	

TOTAL BID PRICE \$7092.00

AM. 4/2/13
12/2/13



43530

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date 11/20/13
Order Number 2008 02

STUART C IRBY CO
1314 W PINE ST
HATTIESBURG MS 39401-6338

Mail To . . . CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST. 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Phone Number 601 5454512

PRINTED NAME

Tammy Sledge

SIGNATURE

Tammy Sledge

DATE 11-20-13

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: STREET LIGHTS REPLACEMENTS

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Price	Delivery Date	Expired Date
AB504/5P/PT/9315TO OPTICS/2-31/DBA/SB/PEC/BKT NO LAMP DIB/NO BALLAST OR COMPLETE ASSEMBLY LESS BALLAST & OPTICAL ASSEMBLY /STERNBERG	11/20/13	2.00	EA	3225.00	6450.00	1-10-14	1-31-14
STERNBERG 9601- DIB/BR-DIRECT BURIAL ASSEMBLY SHAFT	11/20/13	2.00	EA	667.00	1334.00	1-10-14	1-31-14

TOTAL BID PRICE

7784.00



BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
PURCHASE ORDER
THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

Page 1
Date 12/10/13

POINT OF CONTACT:

PO No. 138800
Req No. 2009

VENDOR MAILING:
LYMAN WELL COMPANY
15456 SUB LADNER ROAD
GULFPORT MS 39503-8400

WILLIAMS, TERESA
MINUTE BOOK # PENDING
VENDOR # 00095182

(601) 5454630

SHIP TO :
CITY OF HATTIESBURG
WATER PLANT #2
900 JAMES STREET
HATTIESBURG MS 39401

PROCESSING CODE:

PROJECT LINE: 75 H.P 460 VOLT 3PHASE FOR LINCOLN AND 28TH BOOSTER

SEND METHOD 1 (228)8323313

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
009673.5495	75 HP 460 VOLT 3 PHASE, FRAME: 365TP 1.15 POWER FACTOR PREMIUM EFFICIENCY VERTICAL HOLLOW SHAFT WITH RATCHET ASSEMBLY AND COUPLING FOR A 1.5 SHAFT ATTENTION: JOSH LADNER	1.00	EA	6,300.0000	6,300.00

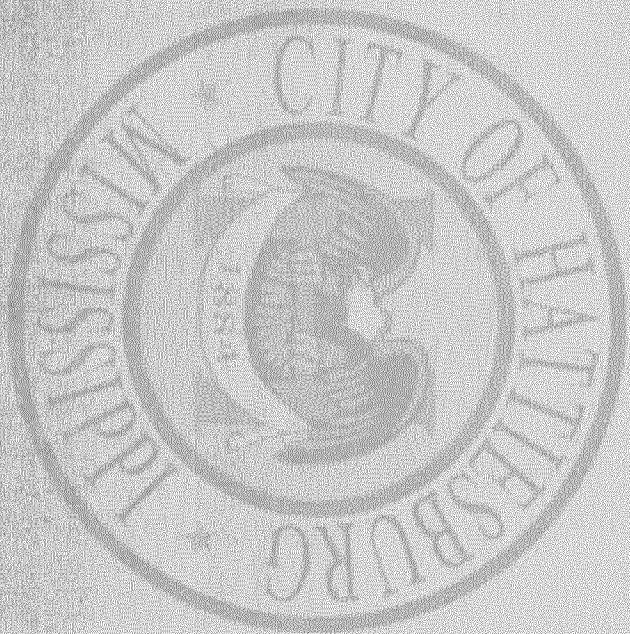
TOTAL CONTRACT AMOUNT NOT TO EXCEED

6,300.00

SUBMIT SEPARATE INVOICES FOR
EACH ORDER. PREPAY SHIPPING
CHARGES IF ANY AND ADD TO INVOICE.

THIS PO NUMBER MUST APPEAR
ON ALL PACKAGES & INVOICES.

FOR CORRECTIONS TO VENDOR
ADDRESS ABOVE, CONTACT ACCOUNTING
(601) 545-4686.



DEC-05-2013(THU) 07:39

P.003/003

43530

LYMAN MTL COMPANY
15456 SUN LAMBER ROAD
GULFPORT MS 39063-8400

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To

CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST. 2ND FLOOR
PO BOX 1894
HATTIESBURG MS 39401

Page No. 1
Date 12/05/13
Order Number 2089 00

Phone Number . . 601 5454512

PRINTED NAME Josh Lyder
SIGNATURE [Signature] DATE 12/6/2013

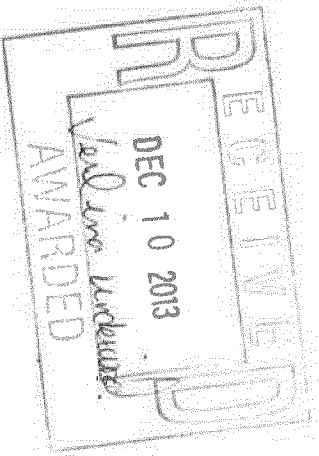
Shipment terms are F.O.B. Destination, Freight prepaid

PROJECT LINE: 75 H.P. 460 VOLT 3PHASE FOR LINCOLN AND 28TH BOOSTER

ITEM DESCRIPTION	Request Date	QTY	Unit	Unit Price	Extended Cost	Delivery Date	Expired Date
75 HP 460 VOLT 3 PHASE FRAME: 365T 1.15 POWER FACTOR PREMIUM EFFICIENCY VERTICAL MOUNT SHFT WITH RATCHET ASSEMBLY AND COUPLING FOR A 1.5 SHFT ATTENTION: JOSH LADNER	12/03/13	1.00	EA	6300.00	6300.00	12/31/2013	12/31/2013

TOTAL BID PRICE 6300.00

Bid Accepted
[Signature]
12/10/2013



43530

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date 12/05/13
Order Number 2009 00

INDUSTRIAL ELECTRIC MOTOR
1551 REEMAN RD
MERIDIAN MS 39305-8428

Mail To. CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST. 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Phone Number . . . 601 5454512

PRINTED NAME

Blenda Hughes

SIGNATURE

Blenda Hughes

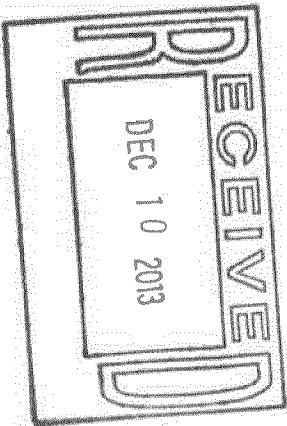
DATE *12-5-13*

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: 75 H.P 460 VOLT 3PHASE FOR LINCOLN AND 26TH BOOSTER

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
75 HP 460 VOLT 3 PHASE FRAME: 265TP 1.15 POWER FACTOR PREMIUM EFFICIENCY VERTICAL HOLLOW SHAFT WITH RATCHET ASSEMBLY AND COUPLING FOR A 1.5 SHAFT ATTENTION: JOSH LADNER	12/03/13	1.00	EA				

TOTAL BID PRICE *\$16338.10*



BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
PURCHASE ORDER
THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

POINT OF CONTACT:

Page 1
Date 12/10/13
PO No. 138801
Req No. 2010

VENDOR MAILING:
C D W GOVERNMENT
120 S RIVERSIDE
CHICAGO IL 60606-3913

GIPSON, SHERRY
MINUTE BOOK # pending
VENDOR # 90078126

SHIP TO :
CITY OF HATTIESBURG
INFORMATION TECHNOLOGY DIVISION
200 FORREST STREET - 1ST FLOOR
HATTIESBURG MS 39401

PROCESSING CODE:

PROJECT LINE: WEBFILTER FOR CITY NETWORK

SEND METHOD 1 (312)7056468

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001091.7327	BARRACUDA WEBFILTER	1.00	EA	5,785.7000	5,785.70
	BARRACUDA WEBFILTER 410				
001091.7327	5YR EU	1.00	EA	.0000	
	BARRACUDA WEBFILTER 410 5YR EU				



TOTAL CONTRACT AMOUNT NOT TO EXCEED

5,785.70

SUBMIT SEPARATE INVOICES FOR
EACH ORDER. PREPAY SHIPPING
CHARGES IF ANY AND ADD TO INVOICE.

THIS PO NUMBER MUST APPEAR
ON ALL PACKAGES & INVOICES.

FOR CORRECTIONS TO VENDOR
ADDRESS ABOVE, CONTACT ACCOUNTING
(601) 545-4686.

DEC-09-2013(THU) 07:40

P.003/003

CITY OF HATTIESBURG
120 S RIVERSIDE
CHICAGO IL 60606-3915

Mail To

CITY OF HATTIESBURG
PROCESSING DIVISION
220 W FRONT ST 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Phone Number . . 601 5654513

PRINTED NAME Jordan M. Kels

SIGNATURE [Signature] DATE 12-03-2013 Shipping terms are F.O.B. destination. Freight prepaid

PROJECT LINE: REPAIRS FOR CITY NETWORK

ITEM DESCRIPTION	Request Date	QTY	UN	Unit Price	Extended Cost	Delivery Date	Expir Date
BARRACUDA REPAIR KIT BARRACUDA REPAIR KIT 410	12/04/13	1.00	EA	5785.70	5785.70	12-20-13	

5785.70
BARRACUDA REPAIR KIT 410 5785.70

[Signature]
12-3-13

12/04/13 1.00 EA 5785.70
* Just two parts on
Combined into one part
number quoted all on
line one
TOTAL BID PRICE 5785.70
Angie S. Goff



43530

BARRACUDA NETWORKS, INC
3175 WINCHESTER BLVD
CAMPBELL CA 95008-6557

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

CITY OF HATTIESBURG
PURCHASING DIVISION
220 N FRONT ST 2ND FLOOR
PO BOX 1895
HATTIESBURG MS 39401

Page No. 1
Date 12/05/13
Order Number 2010 00

PRINTED NAME Stephen Chase

Phone Number . . 601 5454512

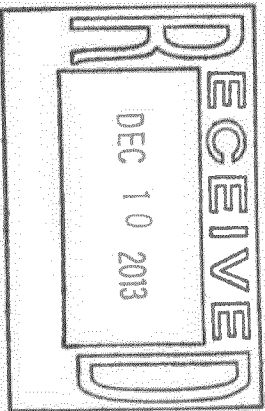
SIGNATURE Stephen Chase DATE 12/6/13

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: WEBFILTER FOR CITY NETWORK

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
BARRACUDA WEBFILTER	12/04/13	1.00	EA	3,999.00	3,999.00	TBD	1/2/2014
BARRACUDA WEBFILTER 410	12/04/13	1.00	EA	4,399.00	4,399.00	TBD	1/2/2014
5YR EU							
BARRACUDA WEBFILTER 410 5YR EU							
TOTAL BID PRICE					8,445.00		

Sub. Pricing (4-5 Day 6mo) 147.00



SL

BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
PURCHASE ORDER
THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

Page 1
Date 12/11/13

POINT OF CONTACT:

PO No. 138829
Req No. 2003

VENDOR MAILING:
TEMPLE INC
50 DAVIS ST NE
PO BOX 2066
DECATUR AL 35602-2066

SHOEMAKE, SHANNON
MINUTE BOOK # pending
VENDOR # 00002206

(601) 5454626
SHIP TO:
CITY OF HATTIESBURG
TRAFFIC/CONSTRUCTION
125 WALNUT ST
HATTIESBURG MS 39401

PROCESSING CODE:

PROJECT LINE: HARDY ST & 34TH AVE - REPLACE DAMAGED CONTROL CABINET

SEND METHOD 1 (256)3534578

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001191.5540	CONTROL CABINET #ORD77298N.03	1.00	EA	7,522.0000	7,522.00



TOTAL CONTRACT AMOUNT NOT TO EXCEED

7,522.00

SUBMIT SEPARATE INVOICES FOR
EACH ORDER. PREPAY SHIPPING
CHARGES IF ANY AND ADD TO INVOICE.

THIS PO NUMBER MUST APPEAR
ON ALL PACKAGES & INVOICES.

FOR CORRECTIONS TO VENDOR
ADDRESS ABOVE, CONTACT ACCOUNTING
(601) 545-4686.

DEC-09-2013(MON) 08:05
12/08/2013 09:01 FAX
DEC-02-2013(MON) 09:31

P. 002/003
0001/001
P. 003/000

43530

TEMPLE, INC
50 DAVIS ST NE
PO BOX 2068
DECATUR AL 35602-2068

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To

CITY OF HATTIESBURG
PURCHASING DIVISION
220 N. FRONT ST. 2ND FLOOR
PO BOX 1888
HATTIESBURG MS 39401

Page No. 12/02/13
Date 2003 00
Order Number

Phone Number . . . 601 5454512

PRINTED NAME Wes Pater

SIGNATURE Wes Pater DATE 12-6-13

Shipping terms are F.O.B. destination, freight prepaid

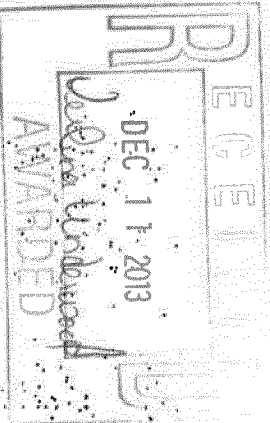
PROJECT LINE: HARDY ST & 34TH AVE - REPLACE DAMAGED CONTROL CABINET

CONTROL CABINET
MOND17252N.03

ITEM DESCRIPTION	Request Date	QTY	UN	Unit Price	Extended Cont	Delivery Date	Expired Date
	11/13/13	1.00	EA	\$7,522.00	\$7,522.00	ASAP	80

Shannon Shoemaker

TOTAL BID PRICE \$7,522.00



43530

POWELL CONSTRUCTION SERV
17300 SPRINGLAKE DR W
VANCLAVE MS 39565-8145

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST. 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Page No. 1
Date - 12/02/13
Order Number 2003 00

PRINTED NAME Powell Construction Services, Inc.

Phone Number . . 601 5454512

SIGNATURE William E. Powell DATE 12/11/2013

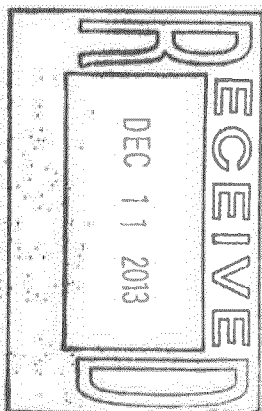
Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: HARDY ST & 34TH AVE - REPLACE DAMAGED CONTROL CABINET

CONTROL CABINET
#ORD77298N.03

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
	11/13/13	1.00	EA	<u>\$8,725.00</u>	<u>\$8,725.00</u>	<u>11/15/14</u>	<u>11/17/14</u>

TOTAL BID PRICE \$8,725.00



BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
PURCHASE ORDER
THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

Page 1
Date 01/08/14

POINT OF CONTACT:

PO No. 139289
Req No. 2012

VENDOR MAILING:
AMERICAN AIR SPECIALISTS INC
199 SULLIVAN-KILRAIN RD
PO BOX 162
HATTIESBURG MS 39403-0162

REID, FRANCES
MINUTE BOOK # pending
VENDOR # 90062870
(601) 5454654

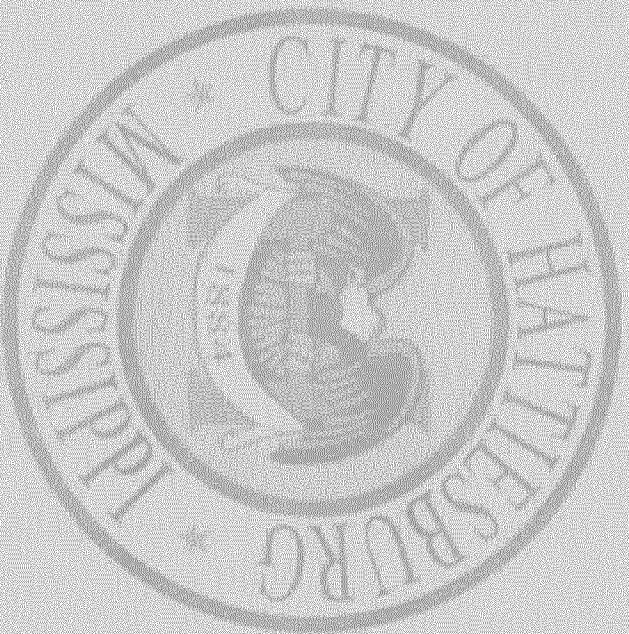
SHIP TO :
CITY HALL
200 FRONT ST
HATTIESBURG MS 39401

PROCESSING CODE:

PROJECT LINE: REMOVE OLD & PROVIDE/ INSTALL NEW HEAT PUMP ON 3RD FLOOR

SEND METHOD 1 (601)5447746

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001092.6382	REMOVE OLD HEAT PUMP/MODEL NUMBER EMH 34 3 SERIAL NUMBER LF12294/3 PHASE 230/208 V AND REPLACE WITH SAME SIZE/SAME VOLTAGE/SAME PHASE SAME SPECS UNIT IS IN 3RD FLOOR HUMAN RESOURCES IN THE CEILING	1.00	EA	5,256.0000	5,256.00



TOTAL CONTRACT AMOUNT NOT TO EXCEED

5,256.00

SUBMIT SEPARATE INVOICES FOR
EACH ORDER. PREPAY SHIPPING
CHARGES IF ANY AND ADD TO INVOICE.

THIS PO NUMBER MUST APPEAR
ON ALL PACKAGES & INVOICES.

FOR CORRECTIONS TO VENDOR
ADDRESS ABOVE, CONTACT ACCOUNTING
(601) 545-4686.

43530

AMERICAN AIR SPECIALISTS
199 SULLIVAN-KILRAIN RD
FO BOX 162
HATTIESBURG MS 39403-0162

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To . . .

CITY OF HATTIESBURG
PROCURING DIVISION
230 S FRONT ST. 2ND FLOOR
FO BOX 162
HATTIESBURG MS 39401

Page No. . . . 12/19/13
Date . . . 2012
Order Number . . . 09

Phone Number . . . 601 5464512

PRINTED NAME AMERICAN AIR SPECIALISTS OF MS
SIGNATURE [Signature] DATE 12/13/13

Shipping terms are F.O.B. destination, freight prepaid.

PROJECT LINE: REMOVE OLD & PROVIDES/ INSTALL NEW HEAT PUMP ON 3RD FLOOR

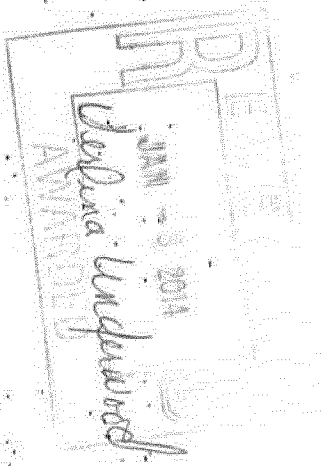
ITEM DESCRIPTION

Request Date	QTY	DN	Unit Price	Extended Cost	Delivery Date	Expired Date
12/09/13	1.00	EA	\$ 8490.00	\$ 8490.00	30/01/14	30/04/13

REMOVE OLD HEAT PUMP/MODEL NUMBER ENH 34 3 PHASE 2-30/208 V SERIAL NUMBER L612294/3 125/5/5/5 VOLTAGE/SAME PHASE AND REPLACE WITH SAME SIZE/SAME VOLTAGE/SAME PHASE SAME SPECS UNIT IS IN 3RD FLOOR HUMAN RESOURCES IN THE CEILING

TOTAL BID PRICE \$ 5251.00

765.77 in



43530

CITY OF HATTIESBURG
 QUOTE REQUEST RESPONSE FORM

Page No. 1
 Date 12/10/13
 Order Number 2012 00

ESSCO HEATING AND A/C
 1502 N MAIN ST
 PO BOX 111
 HATTIESBURG MS 39403-0111

CITY OF HATTIESBURG
 PURCHASING DIVISION
 220 N FRONT ST. 2ND FLOOR
 PO BOX 1898
 HATTIESBURG MS 39401

PRINTED NAME Matt Brown

Phone Number . . . 601 5454512

SIGNATURE Matt Brown DATE 12/13/2013

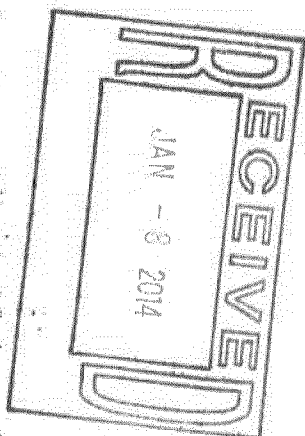
Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: REMOVE OLD & PROVIDE/ INSTALL NEW HEAT PUMP ON 3RD FLOOR

REMOVE OLD HEAT
 PUMP/MODEL NUMBER EWH 34.3
 SERIAL NUMBER LE12284/3 PHASE 230/208 V
 AND REPLACE WITH SAME SIZE/ SAME VOLTAGE/SAME PHASE
 SAME SPECS
 UNIT IS IN 3RD FLOOR HUMAN RESOURCES IN THE CEILING

Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
12/09/13	1.00	EA	\$6,200.00	\$6,200.00	1/01/2014	1/09/14

TOTAL BID PRICE \$6,200.00



BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
PURCHASE ORDER
THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

Page 1
Date 01/08/14

POINT OF CONTACT:

PO No. 139290
Req No. 2016

VENDOR MAILING:
SUNSHINE EQUIPMENT CO INC
100 CIRCLE DR.
LA PLACE LA 70068

JONES, ANN
MINUTE BOOK # pending
VENDOR # 90015969
(601) 5454661

SHIP TO:
CITY OF HATTIESBURG
GROUNDS MAINTENANCE
800 ARLEDGE STREET
HATTIESBURG MS 39401

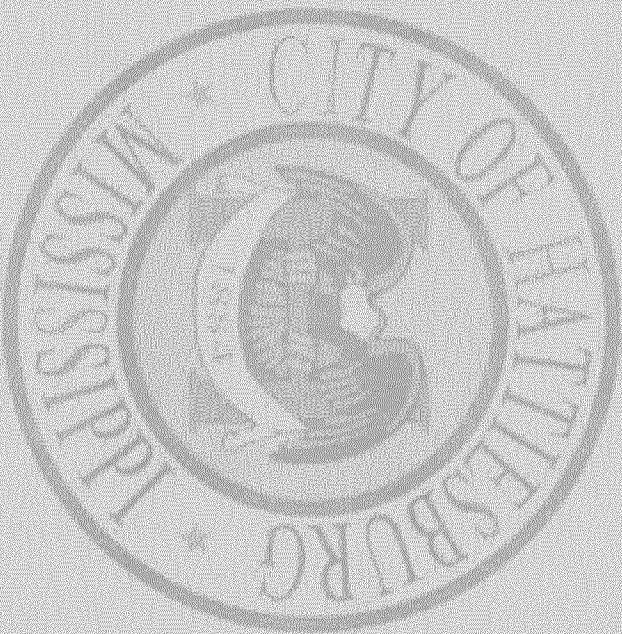
PROCESSING CODE:

SEND METHOD 0 ()

PROJECT LINE: SOD CUTTER FOR USE CITY WIDE

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
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002300.7335	RYAN SOD CUTTER JR 544954C 5.5hp Honda Engine, 18" width cut, new pneumatic rear castor wheel	1.00	EA	5,252.0000	5,252.00
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TOTAL CONTRACT AMOUNT NOT TO EXCEED

5,252.00

SUBMIT SEPARATE INVOICES FOR
EACH ORDER. PREPAY SHIPPING
CHARGES IF ANY AND ADD TO INVOICE.

THIS PO NUMBER MUST APPEAR
ON ALL PACKAGES & INVOICES.

FOR CORRECTIONS TO VENDOR
ADDRESS ABOVE, CONTACT ACCOUNTING
(601) 545-4686.

12/30/2013 MON 8:35 FAX 6015456661 Hattiesburg Purchasing

0002/003

12/23/2013 MON 11:12 FAX 6015456661 Hattiesburg Purchasing

0003/003

43530

SUNSHINE EQUIPMENT CO INC
100 CIRCLE JR
LA PLACE LA 30068

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To

CITY OF HATTIESBURG
PURCHASING DIVISION
220 N. FRONT ST. 2ND FLOOR
PO BOX 1004
HATTIESBURG MS 39401

Phone Number . . 601 5454512

Shipping terms are F.O.B. destination, freight prepaid

PRINTED NAME

DEAN GAUTHER

SIGNATURE

[Signature] DATE 12-23-13

PROJECT LINE: SOO CUTTER FOR USE CITY VIDS

ITEM DESCRIPTION

EVEN SOO CUTTER JR
544545C 5.5hp Honda Engine. 18" width cut, new pneumatic
rear castor wheel

Request
Date

12/19/13

QTY

1.00

UN

BA

Unit
Price

5252.190

Extended
Cost

5252.00

Delivery
Date

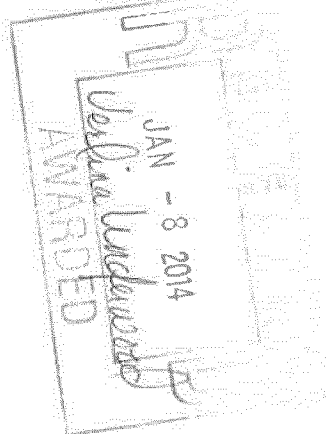
12/31/14

Expired
Date

1-31-15

TOTAL BID PRICE 5252.00

[Signature]
1-2-14



12/23/2013 12:43 2514522309 BEARD EQUIPMENT CO

PAGE 02/03

12/23/2013 MON 11:23 FAX 6015456661 Hattiesburg Purchasing

002/003

48630

BEARD EQUIPMENT CO
9231 WEST OAKVIEW RD
BILLOI MS 39532-8047

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To

CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Phone Number . . 601 545-4512

Shipping terms are F.O.B. destination, freight prepaid

PRINTED NAME Brad Rounsaville
SIGNATURE Brad Rounsaville DATE 12/27/13

PROJECT LINE: SOD CUTTER FOR USE CITY WIDE

RYAN SOD CUTTER JR.
54453AC 5.3hp Honda Engine, 16" width cut, new pneumatic
rear castor wheel

ITEM DESCRIPTION

Request
Date 12/19/13

QTY 1.00

Unit EA Price \$5595.00

Extended
Cost \$5595.00

Delivery
Date 1/3/14 Expired
Date

TOTAL BID PRICE \$5595.00



BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
PURCHASE ORDER
THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

POINT OF CONTACT:

Page 1
Date 01/15/14
PO No. 139519
Req No. 2017

VENDOR MAILING:
WATER FLOW PRODUCTIONS INC
MIKE KEITH IRRIGATION
781 HIGHWAY 589
PURVIS MS 39475-4104

JONES, ANN
MINUTE BOOK # pending
VENDOR # 00065022

(601) 5454661

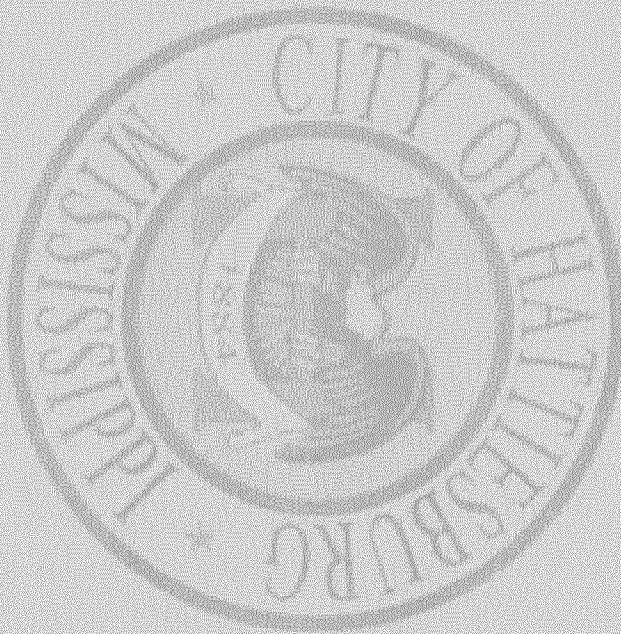
SHIP TO :
CITY OF HATTIESBURG
SEE BELOW FOR DELIVERY

PROCESSING CODE:

SEND METHOD 1 (601)794695

PROJECT LINE: TOWN PARK-IRRIGATION INSTALLATION

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
002300.7295.52	PROVIDE LABOR TO Install Complete Irrigation System at Town Square Park as Per Attached Layout	1.00	EA	7,880.0000	7,880.00



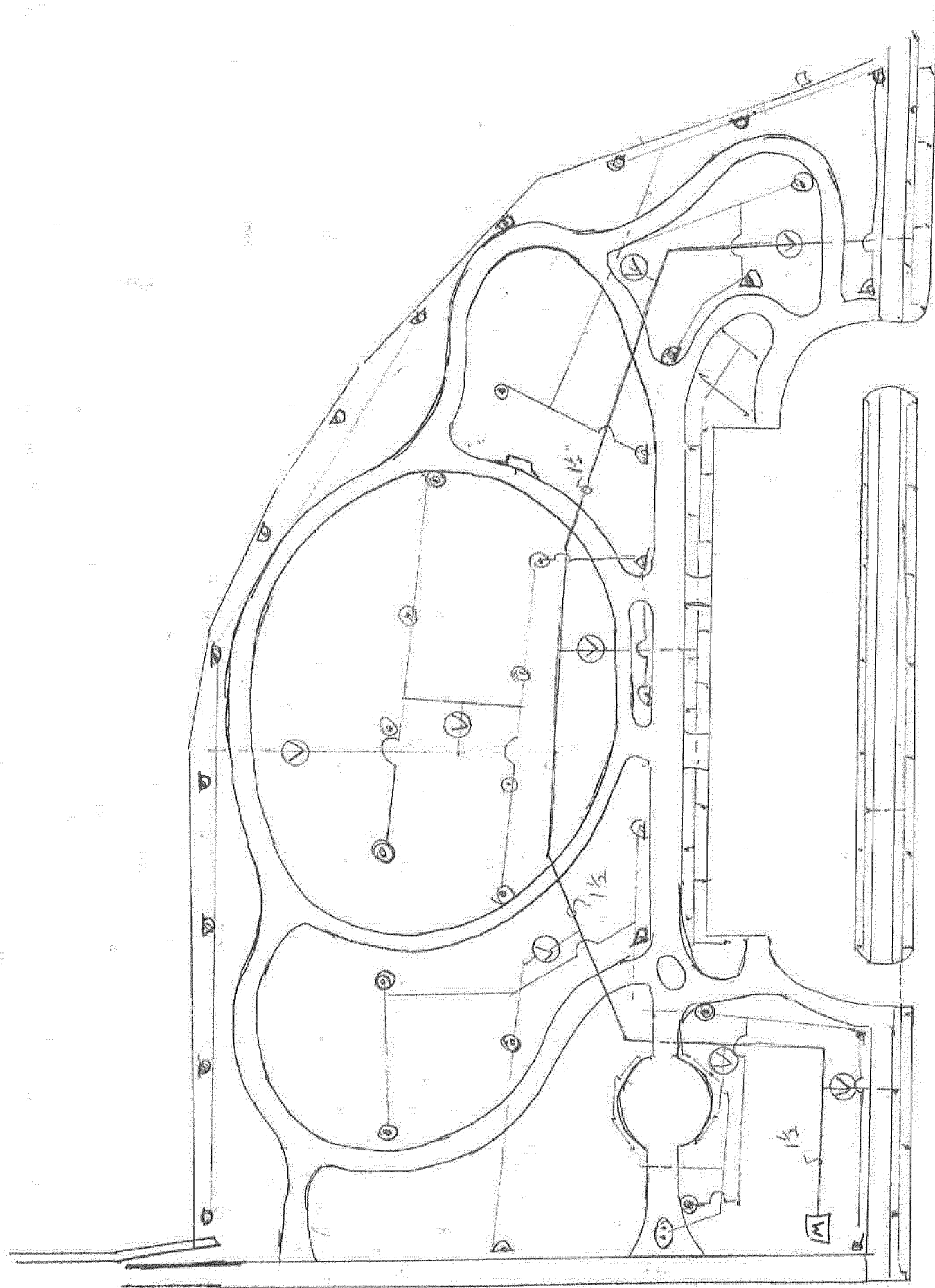
TOTAL CONTRACT AMOUNT NOT TO EXCEED

7,880.00

SUBMIT SEPARATE INVOICES FOR
EACH ORDER. PREPAY SHIPPING
CHARGES IF ANY AND ADD TO INVOICE.

THIS PO NUMBER MUST APPEAR
ON ALL PACKAGES & INVOICES.

FOR CORRECTIONS TO VENDOR
ADDRESS ABOVE, CONTACT ACCOUNTING
(601) 545-4686.



43530

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date 1/09/14
Order Number 2017 00

WATER FLOW PRODUCTIONS IN
MINE KEITH IRRIGATION
781 HIGHWAY 589
PO BOX 1898
HATTIESBURG MS 39401

CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST. 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

PRINTED NAME

Mike Keith

Phone Number . . . 601 5454512.

SIGNATURE

Mike Keith

DATE

1/13/14

Shipping terms are F.O.B. destination, freight prepaid

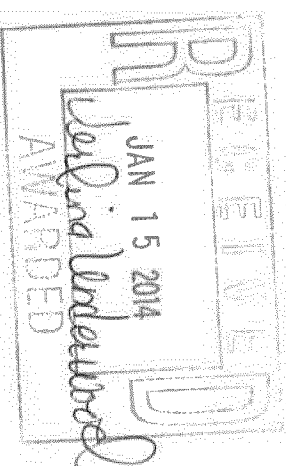
PROJECT LINE: TOWN PARK-IRRIGATION INSTALLATION

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
PROVIDE LABOR TO Install Complete Irrigation System at Town Square Park as Per Attached Layout	01/09/14	1.00	EA	7880. ⁰⁰	7880. ⁰⁰	1/13/14	2/13/14

TOTAL BID PRICE 7880.⁰⁰

OK'd by Ann Jones

(Signature)



43530

FAGANTREE AND SPRAYING S
PO BOX 82
BASSFIELD MS 39421

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST. 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Page No. 1/09/14
Date 1/09/14
Order Number 2017 04

Mail To . . .

Phone Number 601 545-5112

Shipping terms are F.O.B. destination, freight prepaid

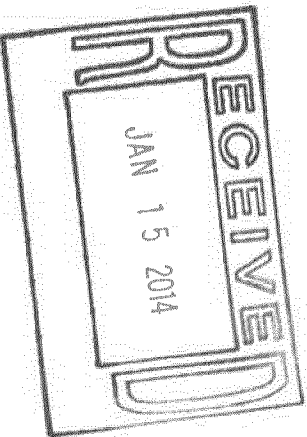
PRINTED NAME FAGANT TREE & SPRAYING SERVICE

SIGNATURE Ronnie Taylor DATE 1-14-14

PROJECT LINE TOWN PARK-IRRIGATION INSTALLATION

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
PROVIDE LABOR TO Install Complete Irrigation System at Town Square Park as Per Attached Layout	01/09/14	1.00	EA	<u>8535.00</u>	<u>8535.00</u>	<u>2-15-14</u>	<u>4-14-14</u>

TOTAL BID PRICE 8535.00





City of Hattiesburg, MS

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

Master

File Number: 2014-0900

File ID: 2014-0900

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 01/31/2014

Brief Title: Privilege License Report

Final Action:

Minute Book Number: MB2014-38

Title:

Acknowledge receipt of Privilege License report for the month of December 2013, from the Tax Department, as per recommendation.

Notes:

Sponsors:

Enactment Date:

Attachments: PL Memo Dec 2013, New Lic Dec 2013, Renewals for Dec 2013

Enactment Number:

Contact:

Meeting Date:

Drafter: Kermas Eaton

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014					

Text of Legislative File 2014-0900

Title

Acknowledge receipt of Privilege License report for the month of December 2013, from the Tax Department, as per recommendation.

Summary

Privilege License Report.

Budget Information

Expenditure Type

Purchasing Item

Publication Information



Mayor

Johnny L. DuPree, Ph.D.

Council - Ward 1

Kim Bradley

Council - Ward 2

Deborah Denard Delgado

Council - Ward 3

Carter Carroll

Council - Ward 4

Mary Dryden

Council - Ward 5

Henry Naylor

January 31, 2014

Mayor & Council
City of Hattiesburg

Attached is a copy of the Privilege License Report for the month of December, 2013. The breakdown for this month's collection is as follows:

New Licenses	\$ 606.49
Renewed Licenses	\$ 6,141.50
Penalties	\$ 143.18

The grand total collected for November was **\$6,891.17**

Respectfully,

Kermas Eaton
Division Manager

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

New Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132517	39.00		TILLERY DENTAL 6032 HWY 98 W EFFINGHAM, IL 62401
0132526	20.00		RIVER ROAD SAND & GRAVEL LLC 406 HEMPHILL ST HATTIESBURG, MS 39401
0132551	20.00		SHERRJIM INC 90 FAIR LAKE DR HATTIESBURG, MS 39402
0132556	20.00		THE GLASS MEDIC 428 MABLE ST HATTIESBURG, MS 39401
0132557	20.00	6.80	MOSTLY MACIE'S 163 TURTLE CREEK DR. STE 180 HATTIESBURG, MS 39402
0132561	20.00		DIAMOND'S ELITE JANITORIAL & 107 BRECLEMRODGE DR., APT 107 HATTIESBURG, MS 39402
0132575	17.52	11.30	LINCOLN TEXACO FOOD & GAS 2624 LINCOLN ROAD ATLANTA, GA 30340
0132583	20.00		QUAIL HOLLOW DESIGN 3 QUAIL HOLLOW RD HATTIESBURG, MS 39402
0132584	20.00		CREATIVE SOLUTIONS LLC 22 MILLBRANCH ROAD HATTIESBURG, MS 39402
0132593	60.00		PATIO 44 3822 WEST 4TH ST. HATTIESBURG, MS 39402
0132595	20.00		YOUR TAX PROFESSIONALS 1000 S. 17TH AVE. STE 1 COLUMBIA, MS 39429
0132602	20.00		LEE LAW FIRM LLC 124 WALNUT CIRCLE #6 HATTIESBURG, MS 39401
0132617	10.00		ECOATM, INC. 5901 HWY 49 (INSIDE WAL-MART #2717 SAN DIEGO, CA 92121

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

New Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132618	10.00		ECOATM, INC 6072 HWY 98 (INSIDE WAL-MART#916 SAN DIEGO, CA 92121
0132630	20.00		MEGAN JOLLY PHOTOGRAPHY 2105 SUNSET DRIVE HATTIESBURG, MS 39402
0132633	30.00		CDI CONTRACTORS, LLC 3000 CANTRELL ROAD LITTLE ROCK, AR 72203
0132650	150.00		GOLDEN CORRAL 6082 HWY 98 WEST LOUISVILLE, KY 40223
0132652	29.97		GOLDEN EAGLE EXPRESS 208 N. 38TH AVE HATTIESBURG, MS 39402
0132653	20.00		MCLELLAND LAW OFFICE, PLLC 2015 HARDY STREET HATTIESBURG, MS 39401
0132654	20.00		SOUTHERN KERNELS 560 WEATHERSBY RD. STE 100 HATTIESBURG, MS 39402
0132658	20.00		A. B. I. G. REFUND 340 N. 25TH AVE HATTIESBURG, MS 39401

21	606.49	18.10	

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132487	20.00		HAPPY HAIR BEAUTY SUPPLY 827 HARDY STREET HATTIESBURG, MS 39401
0132488	20.00		DAVID L. LORD & ASSOCIATES, P.A. 808 W.PINE STREET HATTIESBURG, MS 39401
0132489	20.00		RED PENGUIN ICE CREAM 5716 HWY 49 HATTIESBURG, MS 39401
0132490	20.00		THE GALLERY 3416 HARDY ST. SUITE 150 HATTIESBURG, MS 39401
0132491	30.00		POSH BY SHANE 163 TURTLE CREEK DRIVE, SUITE 100 HATTIESBURG, MS 39402
0132492	20.00		BACKWATER TACKLE 1305 ADELINE ST. HATTIESBURG, MS 39401
0132493	60.00		MCDONALD'S 6442 US HWY 98 HATTIESBURG, MS 39402
0132494	30.00		WENDY'S #237 6 LAKE FORGETFUL HATTIESBURG MEMPHIS, TN 38103
0132495	20.00		GARNER LUMLEY ELECTRIC SUPPLY CO. 318 EAST PINE ST. HATTIESBURG, MS 39401
0132496	30.00		LOWREY, ERIK M. PA. 525 CORRINE ST. HATTIESBURG, MS 39401
0132497	200.00		AUTOZONE #139 305 BROADWAY DR. MEMPHIS, TN 38101
0132498	30.00		BILLS, CONNER R. DDS., M.S. 109 MILLSAPS DR. HATTIESBURG, MS 39402
0132499	20.00		PRO TRAVEL INC. 2018 HARDY ST. STE B HATTIESBURG, MS 39404

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132500	30.00		CRAFT AUTO SALES 1908 WEST PINE STREET HATTIESBURG, MS 39401
0132501	20.00		HICKS & BENNETT, PLLC 211 S. 29TH AVENUE, SUITE 201 HATTIESBURG, MS 39404
0132502	20.00		UNIVERSITY TIRE & SERVICE CENTER 107. S. 40TH AVE. HATTIESBURG, MS 39401
0132503	96.00		SOUTHERN CARE, INC. 4700 HARDY STREET, SUITE Y BIRMINGHAM, AL 35209
0132504	20.00		WHITACRE LAW, P.L.L.C. 1001 WEST PINE ST. HATTIESBURG, MS 39403
0132505	20.00		SOUTHLAND FLORISTS 200 ST. PAUL ST. HATTIESBURG, MS 39401
0132506	30.00		AMERICAN WOOD 114 S. 10TH AVE. HATTIESBURG, MS 39403
0132507	20.00		PINE BELT TROPHY AND AWARDS 905 HARDY STREET SUITE 104 HATTIESBURG,, MS 39401
0132508	30.00		TACO BELL #4760 4908 HARDY ST. NATCHEZ, MS 39122
0132509	20.00		APPLIANCES, ETC. LLC. 5635 HWY 42 HATTIESBURG, MS 39402
0132510	20.00		STEEN INVESTMENT GROUP, INC. 307-A WEST PINE STREET HATTIESBURG, MS 39403
0132511	30.00		TACO BELL #1898 2407 HARDY ST. NATCHEZ, MS 39122
0132512	30.00		INLAND FAMILY PRACTICE CENTER, LLC 908 W. PINE STREET HATTIESBURG, MS 39401

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132513	20.00		JACKSON HEWITT TAX SERVICE 5901 US HWY 49 HATTIESBURG, MS 39401
0132514	20.00		JACKSON HEWITT TAX SERVICE 700 BROADWAY DRIVE HATTIESBURG, MS 39401
0132515	48.00		NORDIC LOGISTICS & WAREHOUSING LLC 25 BONHOMIE ROAD ATLANTA, GA 30340
0132516	20.00		BABIBOI PROMOTIONS 718 TATUM ROAD HATTIESBURG, MS 39404
0132518	20.00	2.20	HERBALIFE 716 JAMES ST, UNIT C HATTIESBURG, MS 39401
0132519	30.00		W. S. "RED" HANCOCK INC 115 PRICHARD AVE BENTONIA, MS 39040
0132520	20.00		AMERICAN PRINTING 6186 US HWY 49 HATTIESBURG, MS 39401
0132521	80.00		BERRY PLASTICS CORPORATION 72 W L RUNNELS INDUSTRY DR HATTIESBURG, MS 39401
0132522	20.00		BLUE DOLPHIN POOL SERVICE 500 CAMPBELL LOOP SUITE 60 HATTIESBURG, MS 39401
0132523	30.00		SMILE TIME FAMILY DENISTRY PA 106 S 21ST AVE HATTIESBURG, MS 39401
0132524	20.00		A-1 REALTY LP 723 HARDY STREET HATTIESBURG, MS 39403
0132525	30.00		KUTZ BY GREG 4004 O'FERRAL ST. HATTIESBURG, MS 39402
0132527	30.00		JORDAN BROTHERS PLUMBING 1424 W. 7TH ST. HATTIESBURG, MS 39401

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132528	20.00		A & D ELECTRICAL & LIGHTING 37 ABRACADABRA LANE LUMBERTON, MS 39455
0132529	20.00	3.00	ANN-OPAL COUNSELING & CONSULTING 1507 HARDY STREET, SUITE 104 HATTIESBURG, MS 39404
0132530	20.00		SURETURN LLC DBA H&R BLOCK SERVICES 5912 HWY 49 A-3 PURVIS, MS 39475
0132531	20.00		ADVANCED CARPET CARE & RESTORATION, 6413 HWY 98 PURVIS, MS 39475
0132532	39.00		THE FIRST NATIONAL BANKING ASSOC. 110 S. 40TH AVENUE HATTIESBURG, MS 39404
0132533	20.00		HATTIESBURG AUTO REPAIR 909 E. HARDY ST. PETAL, MS 39465
0132534	30.00		CHICK-FIL-A 1000 TURTLE CREEK DRIVE STE 270 HATTIESBURG, MS 39402
0132535	20.00		BRUCK'S CARS & TRUCKS 5498 HWY 42 HATTIESBURG, MS 39401
0132536	20.00		REVOLUTION FITNESS, LLC 14 LAMAR BLVD HATTIESBURG, MS 39402
0132537	20.00		DAVIS-MORRIS LAW FIRM, P.A. 804 WEST PINE ST. HATTIESBURG, MS 39403
0132538	20.00		B.C.'S HEATING & COOLING 466 ST PAUL RD. SAND HOOK, MS 39478
0132539	20.00		WHITFIELD HEATING & AIR, INC 75 CRYSTAL CREEK HATTIESBURG, MS 39402
0132540	20.00		FAIRCHILD PLUMBING 803 HIGHWAY 49 N. HATTIESBURG, MS 39402

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132541	20.00		FAIRCHILD PLUMBING 803 HIGHWAY 49 N. HATTIESBURG, MS 39402
0132542	20.00		FAIRCHILD PLUMBING 803 HIGHWAY 49 N. HATTIESBURG, MS 39402
0132543	30.00		HOLLIS & SPANN INC. 116 LOFTIN RD DOTHAN, AL 36302
0132544	20.00		HATTIESBURG HOT YOGA LLC DBA 6555 HWY 98 W, STE 22B HATTIESBURG, MS 39402
0132545	20.00		HIGHLAND MOBILE HOME PARTS & SUPPLY 5095 HWY 42 PETAL, MS 39465
0132546	20.00	3.00	CYPRESS MOBILE HOME PARK 906 CYPRESS ST. HATTIESBURG, MS 39402
0132547	30.00		BAPTIST LIFEFLIGHT 29 ACADEMY DRIVE PENSACOLA, FL 32522
0132548	45.00		TYCO INTEGRATED SECURITY LLC 107 FAIRFIELD DRIVE, SUITE 70 BOCA RATON, FL 33421
0132549	20.00		AUNTIE ANNE'S 1000 TURTLE CREEK DR., K-4 LANCASTER, PA 17607
0132550	600.00		BRIAN'S PAWN & GUN, INC. 1846B LINCOLN ROAD HATTIESBURG, MS 39402
0132552	20.00		RICHARDSON HEAT/AIR & ELECTRICAL 13 RICHARDSON RD PETAL, MS 39465
0132553	60.00		SONIC DRIVE-IN OF HATTIESBURG, LLC 3700 WEST 4TH STREET HATTIESBURG, MS 39402
0132554	20.00		WET SEAL #71 1000 TURTLE CREEK DR., STE 490 FOOTHILL RANCH, CA 92610

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132555	20.00		SABRE COMMUNICATIONS CORPORATION 2101 MURRAY ST SIOUX CITY, IA 51102
0132558	20.00	4.40	MOSTLY MACIE'S 163 TURTLE CREEK DR. STE 180 HATTIESBURG, MS 39402
0132559	20.00	4.80	A A A STRIPE RITE, LLC 1818 EDWARDS STREET HATTIESBURG, MS 39401
0132560	20.00	2.40	A A A STRIPE RITE, LLC 1818 EDWARDS STREET HATTIESBURG, MS 39401
0132562	69.00	14.52	THE MEXICAN KITCHEN 406 CLASSIC DRIVE HATTIESBURG, MS 39402
0132563	40.00		BOOT COUNTRY, LLC 6467 HWY 49 HATTIESBURG, MS 39401
0132564	20.00		RDS SYSTEMS 860 OVETT MOSELLE RD ELLISVILLE, MS 39437
0132565	20.00		RDS SYSTEMS 860 OVETT MOSELLE RD ELLISVILLE, MS 39437
0132566	30.00	3.60	HOSPICE ADVANTAGE INC 811 REBECCA AVE HATTIESBURG, MS 39401
0132567	20.00		EDDIE STEPNEY JANITORIAL SERVICE 307 MAGNOLIA AVENUE HATTIESBURG, MS 39401
0132568	20.00		JOHNNY'S WRECKER SERVICE 1615 HWY 11 BY PASS HATTIESBURG, MS 39401
0132569	20.00		HEIDELBERG DEVELOPMENT, LLC 301 WEST PINE STREET HATTIESBURG, MS 39403
0132570	30.00		CROWNE AT LONGLEAF TRACE APTS. 700 BEVERLY HILLS ROAD HATTIESBURG, MS 39401

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132571	30.00		REGIONS BANK 130 WEST FRONT STREET HATTIESBURG, MS 39401
0132572	20.00		OEC JAPANESE EXPRESS 3317 HARDY STREET SUITE # 20 HATTIESBURG, MS 39401
0132573	25.00		T-MOBILE 6136 HWY 98, SUITE 102 WILMINGTON, DE 19808
0132574	20.00	2.40	QUALITY TIRE SHOP 2830-B EDWARDS ST. PETAL, MS 39465
0132576	35.00	10.10	LINCOLN TEXACO FOOD & GAS 2624 LINCOLN ROAD ATLANTA, GA 30340
0132577	69.00		CAPTAIN D'S #3783 1906 ARCADIA STREET NASHVILLE, TN 37211
0132578	30.00		SPORT CLIPS MS 201 6101 HWY 98 SUITE 30 SCOTT, LA 70583
0132579	40.00		MILLENNIUM MUSIC CENTER, LLC 2000 WEST PINE ST. HATTIESBURG, MS 39401
0132580	66.00		L & A CONTRACTING CO. 100 SIMS ROAD HATTIESBURG, MS 39404
0132581	20.00		BUSTER'S TOWING & RECOVERY 2798 EDWARD ST. HATTIESBURG, MS 39401
0132582	84.00	10.92	R J YOUNG COMPANY, INC 130 JM TATUM INDUSTRIAL DRIVE NASHVILLE, TN 37204
0132585	30.00		JODY'S BAKERY 6058 US HWY 49 SOUTH HATTIESBURG, MS 39401
0132586	30.00		ESSCO HEATING & A/C 1502 MAIN STREET HATTIESBURG, MS 39403

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132587	30.00		SHIPPERS EXPRESS 7132 HWY 49 NORTH HATTIESBURG, MS 39402
0132588	20.00		UNCLE BOBS SELF STORAGE 421 CLASSIC DRIVE BUFFALO, NY 14221
0132589	20.00	6.40	GALLO MECHANICAL, LLC 3850 N. CAUSEWAY BLVD. LAKEWAY TWO METAIRIE, LA 70002
0132590	20.00	4.00	GALLO MECHANICAL, LLC 3850 N. CAUSEWAY BLVD. LAKEWAY TWO METAIRIE, LA 70002
0132591	25.00	6.25	THE KITCHEN TABLE, LLC 3720 HARDY ST. STE 3 & 4 HATTIESBURG, MS 39404
0132592	25.00	3.25	THE KITCHEN TABLE, LLC 3720 HARDY ST. STE 3 & 4 HATTIESBURG, MS 39404
0132594	20.00		JAVA MOE'S (INSIDE FORREST GENERAL) 6051 US HWY 49 HATTIESBURG, MS 39402
0132596	20.00		AIRPORT AUTO SERVICES 456 J.M.TATUM INDUSTRIAL DR. HATTIESBURG, MS 39401
0132597	20.00		LA BAMBA 5385 HWY 42 BYPASS HATTIESBURG, MS 39401
0132598	20.00		BROOD, INC. 6086 US HWY 98 W CRYSTAL SPRINGS, MS 39059
0132599	30.00		GREAT SOUTHERN NATIONAL BANK 1300 HARDY ST. HATTIESBURG, MS 39402
0132600	62.50		DOLLAR GENERAL #1039 1909 HARDY STREET GOODLETTSVILLE, TN 37072
0132601	75.00		DOLLAR GENERAL #1717 5021 HWY 42 GOODLETTSVILLE, TN 37072

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132603	20.00	2.40	BANANA PEEL, LLC 560 WEATHERSBY ROAD, SUITE 210 HATTIESBURG, MS 39402
0132604	20.00		GANDY ELECTRIC 2130 GLENDALE AVE. HATTIESBURG, MS 39401
0132605	20.00		GANDY ELECTRIC 2130 GLENDALE AVE. HATTIESBURG, MS 39401
0132606	20.00	2.20	ALTERATIONS BY BLAIR 5317 OLD HWY 11, SUITE 5 H'BURG HATTIESBURG, MS 39404
0132607	25.00		CRECHALE'S AUCTION LLC 7344 HWY 49 N HATTIESBURG, MS 39402
0132608	20.00		YACHAD TRANSPORT SERVICES LL 8 PARK PLACE STE 325N HATTIESBURG, MS 39401
0132609	20.00		FREEMAN'S ARTS & CRAFTS 244 OLD AIRPORT RD. HATTIESBURG, MS 39401
0132610	20.00		JOHN BURNAM 623 MAIN ST. HATTIESBURG, MS 39403
0132611	30.00		HATTIESBURG CENTURY FUNERAL SERVICE 622 NEW ORLEANS ST. HATTIESBURG, MS 39401
0132612	20.00		CUSTOM INSTALLING 3900 PEARL HATTIESBURG, MS 39401
0132613	35.00	10.10	TEXACO HOP IN 2611 W 7TH STREET, STE 20 LAWRENCEVILLE, GA 30045
0132614	36.00	7.56	BIOLIFE PLASMA SERVICES L.P. 1000 BROADWAY DR. STE 42 DEERFIELD, IL 60015
0132615	36.00		BIOLIFE PLASMA SERVICES L.P. 1000 BROADWAY DR. STE 42 DEERFIELD, IL 60015

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132616	108.00		FEDERAL EXPRESS CORP. 126 MAYFAIR RD. MONSEY, NY 10952
0132619	20.00		BO'S TOWING SERVICE 5242 HWY 42 BYPASS HATTIESBURG, MS 39404
0132620	30.00		BELL AUTO SALES INC. 5244 HWY 42 BYPASS HATTIESBURG, MS 39404
0132621	150.00		ADVANCE AUTO PARTS #9816 5060 HARDY STREET ROANOKE, VA 24001
0132622	20.00		NEW YOKEL MARKET 205 MAIN STREET HATTIESBURG, MS 39401
0132623	20.00		R.D. KIRKPATRICK, CPA 1302 VELMA AVE. HATTIESBURG, MS 39402
0132624	20.00		C'EST LA VIE BAKERY & COFFEE SHOP 3901 HARDY STREET HATTIESBURG, MS 39401
0132625	30.00		ZACHARY & LEGGETT PLLC 211 S. 29TH AVENUE HATTIESBURG, MS 39401
0132626	20.00		LABOR FINDERS INC. 1950 LINCOLN RD., STE B LAKE WORTH, FL 33460
0132627	20.00		UNDERWOOD'S SMALL ENGINE 5566 HWY 42 HATTIESBURG, MS 39401
0132628	30.00		BOURNE BROS. PRINTING CO. INC. 5276 HWY 42 BYPASS HATTIESBURG, MS 39401
0132629	20.00		FIXRITE HOME REPAIR LLC 104 CARRIE RD. HATTIESBURG, MS 39402
0132631	45.00		ST JAMES WRIGHT V.F.W. 108 MARKET ST HATTIESBURG, MS 39401

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132632	129.00		DOSSETT GMC CADILLAC 1026 W. PINE ST. HATTIESBURG, MS 39403
0132634	600.00		SOUTHERN PAWN, INC. 201 S. 40TH AVE. HATTIESBURG, MS 39402
0132635	30.00		AAMCO TRANSMISSIONS 2101 WEST PINE STREET HATTIESBURG, MS 39401
0132636	20.00		CAMPUS BOOK MART 2906 HARDY STREET STARKVILLE, MS 39759
0132637	20.00		GOLDEN EAGLE SELF STORAGE 6497 HIGHWAY 98 GULFPORT, MS 39505
0132638	20.00		JACKSON HEWITT TAX SERVICE 3801 W. 4TH STREET HATTIESBURG, MS 39401
0132640	20.00		C & C EQUIPMENT, INC. 7422 HWY 49 NORTH HATTIESBURG, MS 39401
0132641	20.00		SOUTHGATE REALTY, LLC 1700 S 28TH AVE, STE C HATTIESBURG, MS 39404
0132642	20.00	4.20	HILL MOTORS 1503 EAST HARDY ST HATTIESBURG,, MS 39401
0132643	20.00		HILL MOTORS 1503 EAST HARDY ST HATTIESBURG,, MS 39401
0132644	20.00		WEST CHIROPRACTIC CLINIC 4700 W. HARDY ST SUITE M HATTIESBURG, MS 39402
0132645	30.00		HARRIS, HUEL 1014 S. 28TH AVE. HATTIESBURG, MS 39402
0132646	150.00		DELOITTE CONSULTING LLP 5912 HWY 49, STE H-1 HATTIESBURG, MS 39401

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132647	20.00	2.20	NEW INNOVATIONS PHASE II 237 SHORT COLUMBIA ST. HATTIESBURG, MS 39401
0132648	20.00		O'QUIN JAY ELECTRIC 205 PATTON AVE. HATTIESBURG, MS 39401
0132649	20.00		O'QUIN, JAY 205 PATTON AVE HATTIESBURG, MS 39401
0132651	20.00		1A AWESOME BAIL BONDS 524 E 9TH ST HATTIESBURG, MS 39401
0132655	30.00		A & A HOME HEALTH EQUIPMENT, INC. 1608 BROADWAY DR. STE 30 GREENVILLE, MS 38703
0132656	20.00		CARROLL JEWELRY CO. 3702-3 HARDY ST. UNIVERSITY MALL HATTIESBURG, MS 39402
0132657	30.00		SWEET PEPPER DELI 5064 HARDY ST. STE 20 HATTIESBURG, MS 39404
0132659	20.00		TOWNSEND BROTHERS INC 90 DELK ROAD HATTIESBURG, MS 39401
0132660	30.00		POPEYES #11 5900 HWY 49S HATTIESBURG, MS 39401
0132661	30.00		BROADWAY MOTORS 1920 WEST PINE ST. SUMRALL, MS 39482
0132662	20.00		PURPLE DRAGON DON JITSU RYU SCHOOL 104 SOUTH 37TH AVE. STE 10 HATTIESBURG, MS 39401
0132663	48.00		SHOWS, DEARMAN & WAITS, INC. 301 SECOND AVENUE HATTIESBURG, MS 39403
0132664	20.00		FLOWERS N THINGS FLORIST 500 KATIE AVENUE SUITE C HATTIESBURG, MS 39401

PRIVILEGE LICENSE MONTHLY REPORT
December 2013

Renewed Licenses

<u>License No.</u>	<u>Amount</u>	<u>Penalty</u>	<u>Owner, Name & Address of Business</u>
0132665	30.00		BUDGET INN 6574 U.S. HWY 49 N. HATTIESBURG, MS 39401
0132666	66.00	15.18	NICHOLSON & COMPANY, PLLC 2 SOUTHERN POINTE, SUITE 100 HATTIESBURG, MS 39401
0132667	20.00		PRIME RETAIL SERVICES, INC 3617 SOUTHLAND DRIVE, STE A FLOWERY BRANCH, GA 30542



City of Hattiesburg, MS

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

Master

File Number: 2014-0896

File ID: 2014-0896

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 01/30/2014

Brief Title: Subordination Agreement - 614 Barkley Road

Final Action:

Minute Book Number: MB2014-38

Title:

Acknowledge the execution of a subordination agreement with Magnolia State Bank on property at 614 Barkley Road as required by the agreement with Community Connections found at MB2013/179-180. {Entitlement}

Notes:

Sponsors:

Enactment Date:

Attachments: Subordination Agreement re Magnolia State Construction Loan, executed Subordination Agreement re Magnolia State Construction Loan

Enactment Number:

Contact:

Meeting Date: 02/04/2014

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014					

Text of Legislative File 2014-0896

Title

Acknowledge the execution of a subordination agreement with Magnolia State Bank on property at 614 Barkley Road as required by the agreement with Community Connections found at MB2013/179-180. {Entitlement}

Summary

Subordination Agreement - 614 Barkley Road

Budget Information

Expenditure Type

Purchasing Item

Publication Information

Space Above This Line For Recording Data

Prepared by: Magnolia State Bank, 560 Weathersby Road, Suite 120, Hattiesburg, MS 39402
Phone: 601-261-2234 Fax: 601-268-2258
Return to: Magnolia State Bank, 560 Weathersby Road, Suite 120, Hattiesburg, MS 39402

**STATE OF MISSISSIPPI
COUNTY OF FORREST**

SUBORDINATION AGREEMENT

THIS SUBORDINATION AGREEMENT is made and entered into as of this 22nd day of February, 2014, by **CITY OF HATTIESBURG**.

WHEREAS, COMMUNITY CONNECTIONS, INC. executed a certain Deed of Trust to **CITY OF HATTIESBURG**, dated **JUNE 18, 2013**, and filed in **BOOK 1939** at **PAGE 220** securing an original principal indebtedness of \$61,000.00, the same being hereinafter referred to as the "Second Lien"; and

WHEREAS, the Second Lien constitutes the second position on the following described collateral:

614 BARKLEY ROAD, HATTIESBURG, MS 39401

Index:

WHEREAS, CITY OF HATTIESBURG agrees to subordinate its said Second Lien Deed of Trust.

NOW, THEREFORE,

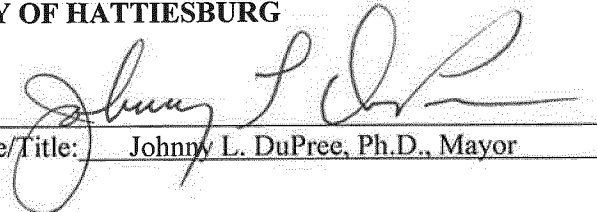
FOR AND IN CONSIDERATION OF Ten and 00/100 Dollars (\$10.00), cash in hand paid, and other good valuable considerations, the receipt, adequacy and sufficiency, all of which being hereby irrevocably acknowledged and confessed, the undersigned **CITY OF HATTIESBURG**, beneficiary of the Second Lien Deed of Trust, does hereby subordinate the lien of said Deed of Trust to the lien of Magnolia State Bank referred to as the First Lien.

It is the intention of the undersigned that, upon the execution and recording of this SUBORDINATION AGREEMENT, the lien of Magnolia State Bank Deed of Trust, identified herein as the First Lien, will become a first lien on the property described hereinabove and that the Deed of Trust to **CITY OF HATTIESBURG**, identified herein as the Second Lien, will become a second lien.

In all other respects, the Deeds of Trust referred to herein remain unchanged and in full force and effect.

WITNESS THE SIGNATURE of the duly authorized and empowered officer of **CITY OF HATTIESBURG** on the date first written hereinabove.

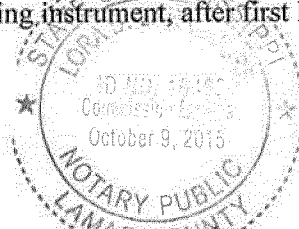
CITY OF HATTIESBURG

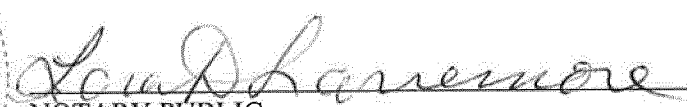
By: 

Name/Title: Johnny L. DuPree, Ph.D., Mayor

STATE OF MISSISSIPPI
COUNTY OF FORREST

PERSONALLY APPEARED BEFORE ME, the undersigned authority in and for the said county and state, on this 2nd day of February 2014, the within named Johnny L. DuPree, who acknowledged that he/she is Mayor of **CITY OF HATTIESBURG**, and that for and on behalf of said corporation, and as its act and deed he/she executed the above and foregoing instrument, after first having been duly authorized by said corporation to do so.




NOTARY PUBLIC

My Commission Expires: 10/9/15

Space Above This Line For Recording Data

Prepared by: Magnolia State Bank, 560 Weathersby Road, Suite 120, Hattiesburg, MS 39402
Phone: 601-261-2234 Fax: 601-268-2258
Return to: Magnolia State Bank, 560 Weathersby Road, Suite 120, Hattiesburg, MS 39402

STATE OF MISSISSIPPI
COUNTY OF FORREST

SUBORDINATION AGREEMENT

THIS SUBORDINATION AGREEMENT is made and entered into as of this 4th day of February, 20 14, by **CITY OF HATTIESBURG**.

WHEREAS, COMMUNITY CONNECTIONS, INC. executed a certain Deed of Trust to **CITY OF HATTIESBURG**, dated **JUNE 18, 2013**, and filed in **BOOK 1939** at **PAGE 220** securing an original principal indebtedness of \$61,000.00, the same being hereinafter referred to as the "Second Lien"; and

WHEREAS, the Second Lien constitutes the second position on the following described collateral:

614 BARKLEY ROAD, HATTIESBURG, MS 39401

Index:

WHEREAS, CITY OF HATTIESBURG agrees to subordinate its said Second Lien Deed of Trust.

NOW, THEREFORE,

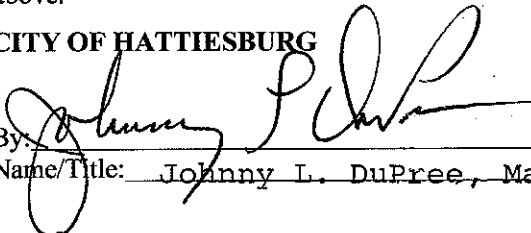
FOR AND IN CONSIDERATION OF Ten and 00/100 Dollars (\$10.00), cash in hand paid, and other good valuable considerations, the receipt, adequacy and sufficiency, all of which being hereby irrevocably acknowledged and confessed, the undersigned **CITY OF HATTIESBURG**, beneficiary of the Second Lien Deed of Trust, does hereby subordinate the lien of said Deed of Trust to the lien of Magnolia State Bank referred to as the First Lien.

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In all other respects, the Deeds of Trust referred to herein remain unchanged and in full force and effect.

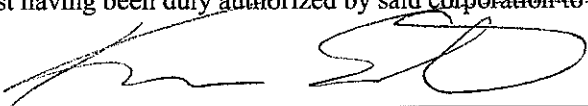
WITNESS THE SIGNATURE of the duly authorized and empowered officer of **CITY OF HATTIESBURG** on the date first written hereinabove.

CITY OF HATTIESBURG

By: 
Name/Title: Johnny L. DuPree, Mayor

STATE OF MISSISSIPPI
COUNTY OF Forrest

PERSONALLY APPEARED BEFORE ME, the undersigned authority in and for the said county and state, on this 4th day of February, 2014, the within named Johnny L. DuPree, who acknowledged that he/she is Mayor of **CITY OF HATTIESBURG**, and that for and on behalf of said corporation, and as its act and deed he/she executed the above and foregoing instrument, after first having been duly authorized by said corporation to do so.


NOTARY PUBLIC

My Commission Expires: 2.12.2016





City of Hattiesburg, MS

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

Master

File Number: 2014-0892

File ID: 2014-0892

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 01/27/2014

Brief Title: Approve plans and specifications for the Gordon Creek Park - Downtown District Project; Authorize advertisement for bids for same.

Final Action:

Minute Book Number: MB2014-38

Title:

Approve plans and specifications for the Gordon Creek Park - Downtown District Project; Authorize advertisement for bids for same.

Notes:

Sponsors:

Enactment Date:

Attachments: Final Specs, AdvBid, Plans, executed AdvBid

Enactment Number:

Contact:

Meeting Date: 02/04/2014

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	02/04/2014					

Text of Legislative File 2014-0892

Title

Approve plans and specifications for the Gordon Creek Park - Downtown District Project; Authorize advertisement for bids for same.

Summary

Approve plans and specifications for the Gordon Creek Park - Downtown District Project; Authorize advertisement for bids for same.

Budget Information

072201.7225.20

Expenditure Type

Regular Budget Item

Purchasing Item
Sealed Bid

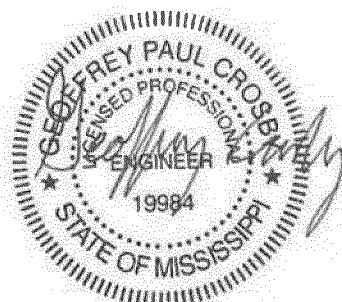
Publication Information
Clarion Ledger and Hattiesburg American
2/7/14 and 2/14/14

*CONTRACT DOCUMENTS AND TECHNICAL
SPECIFICATIONS*
FOR
**GORDON'S CREEK
DOWNTOWN DISTRICT**
FOR THE
**CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI
FORREST COUNTY**



JANUARY, 2014

PREPARED BY



1/27/2014



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ADVERTISEMENT FOR BIDS

GORDON'S CREEK – DOWNTOWN DISTRICT

CITY OF HATTIESBURG, MISSISSIPPI

Sealed bids will be received by the City of Hattiesburg, at the City Clerk's office, Mississippi, hereafter referred to as Owner, located at 200 Forrest Street, Hattiesburg, Mississippi, 39401, until 10:00 A.M., Local Time, Thursday, **March 13, 2014** for supplying all labor, equipment, and materials (as specified) necessary for the construction of the above referenced project. Work consists of constructing a multi-use path along Gordon's Creek from Ronie Street to Main Street, constructing a small boardwalk along Gordon's Creek near the intersection of Walnut Street and Buschman Street, decorative steel fencing, landscape improvements, and installing a pre-fabricated pedestrian bridge across Gordon's Creek.

The above general outline of features of the work does not in any way limit the responsibility of the Contractor to perform all work and furnish all labor, equipment and materials required by the specifications and the drawings referred to therein.

Contract time shall be **from April 14, 2014 to June 30, 2014** and confirmed in the Notice to Proceed. Liquidated damages will be assessed in the amount of five hundred dollars (\$500) per day for each consecutive calendar day beyond the specified contract time. Additionally, liquidated damages in the amount of \$377,500 minus the Contractor's Job to date Billings plus the contractor's job to date retainage will be assessed as a lump sum payment for time beyond the specified contract time.

Bidder must be qualified under Mississippi Law and show current Certificate of Responsibility issued by the Mississippi State Board of Public Contractors establishing his classification as to the value and type of construction on which he is authorized to bid.

Each Bidder shall write his Certificate of Responsibility Number on the outside of the sealed envelope containing his proposal.

Proposals shall be submitted in duplicate, sealed and deposited with the Owner prior to the hour and date hereinbefore designated. No bidder may withdraw his bid within 90 days after the actual date of the opening thereof.

Each Bidder must submit with his proposal a separate attachment stating his qualifications to perform the work. The Statement of Qualifications shall list past projects of similar size and nature, a list of references with name and telephone number, a list of key personnel who will perform the work, and other information supporting the bidder's qualifications.

Awarding public contracts to non-resident Bidders will be on the same basis as the non-resident bidder's state awards contracts to Mississippi Contractors bidding under similar circumstances. In order to ensure that Mississippi's so-called Golden Rule is followed state law requires a non-resident bidder is to attach to his bid a copy of his resident state's current laws pertaining to such state's treatment of non-resident contractors.

Each Bidder must deposit with his proposal, a Bid Bond or Certified Check in an amount equal to five percent of his bid, payable to the Owner, as bid security. Bidders shall also submit a current financial statement, if

requested, by the Owner. The successful bidder will be required to furnish a Payment Bond and Performance Bond each in the amount of 100 percent of the contract amount.

Copies of the Instructions to Bidders, Bid Forms, Contract Drawings and Contract Specifications (with the exception of the Mississippi Standard Specifications for Road and Bridge Construction) may be procured at the office of the Engineer, Neel-Schaffer located at 704 Hardy Street, Hattiesburg, Mississippi 39401 between the hours of 8:00 A.M. and 5:00 P.M., Local Time, Monday through Friday, upon payment of \$150.00 for each set, which will not be refunded. Checks are to be made payable to the Engineer.

"Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition" as referred to herein, may be purchased from the Mississippi Department of Transportation.

The Owner hereby notifies all Bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged and women's business enterprises will be afforded the full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

A Pre-Bid Meeting will be held on Thursday, March 6, 2014 at 10:00 a.m. at the City Clerk's office located at 200 Forrest Street, Hattiesburg, Mississippi. Prospective bidders are encouraged to attend the meeting.

The Engineer is Neel-Schaffer, Inc., 704 Hardy Street, Hattiesburg, Mississippi 39401; Phone No. (601) 545-1565, Fax No. (601)-545-2267. Geoffrey P. Crosby, P.E. - Project Engineer

The Owner reserves the right to reject any and all bids and to waive any informalities or irregularities therein.

BY: _____
City Clerk
City of Hattiesburg, Mississippi

DATES OF PUBLICATION:

February 7, 2014

February 14, 2014

INSTRUCTIONS TO BIDDERS
GORDON’S CREEK – DOWNTOWN DISTRICT
CITY OF HATTIESBURG, MISSISSIPPI
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1. COORDINATION OF SPECIFICATIONS

Work under this Contract shall be performed in accordance with the Contract Documents, which includes General Conditions, Supplementary Conditions and Technical Specifications contained therein. Division 200 through 800 of the *Mississippi Standard Specifications for Road and Bridge Construction* (2004 Edition) is made a part hereof as if it were attached hereto, except where superseded by special provisions contained herein.

2. DATE AND PLACE OF OPENING OF PROPOSALS

The date, time, and place for opening Proposals will be as set out in the published "Advertisement for Bids."

The Owner reserves the right to postpone the date for presentation and opening of Proposals and will give notice of any such postponement to each known prospective Bidder.

3. FORM FOR PROPOSALS

Proposals must be submitted in duplicate on the forms furnished by the Owner and the envelope containing the Proposals must be sealed and addressed to:

City Clerk
City of Hattiesburg
200 Forrest Street
Hattiesburg, Mississippi 39401

The outside of the envelope containing the Proposal shall bear the inscription:

**SEALED BID FOR: GORDON'S CREEK – DOWNTOWN DISTRICT
CITY OF HATTIESBURG, MISSISSIPPI**

BY _____

Certificate of Responsibility No. _____

State License No. _____

The duplicate Proposals shall be in the form of one original Proposal, marked "ORIGINAL" and one photocopy (Xerox or similarly reproduced copy) marked "PHOTOCOPY" of the original Proposal.

If Proposals are forwarded by the U.S. Postal Service, delivery shall be by Registered or Certified Mail.

4. PREQUALIFICATION

Contractors desiring to Bid on proposed construction contracts who have not been prequalified by the Owner, shall file with the Owner a current financial statement showing assets and liabilities as a prerequisite to entering into contracts with the Owner. If prequalification is required, the appropriate submittal information will be requested from bidders during the bid evaluation performed by the Engineer and Owner after receipt of Proposals.

All Bidders must be in good standing with the Owner. Good standing includes, among other things: (a) whether Bidder is currently delinquent on the completion of work or punchlist items under another Owner contract for which it was a successful bidder; (b) whether Bidder is currently in default under another Owner contract for which it was a successful bidder; and (c) whether Bidder has failed to fulfill provisions of another Owner contract for which it was a successful bidder, during the past two years.

5. CERTIFICATE OF RESPONSIBILITY

Prior to filing Bids on Owner projects (in excess of \$50,000), the prospective Bidder must obtain a Certificate of Responsibility from the Mississippi State Board of Public Contractors, establishing his classification as to the value and the type of construction on which he is authorized to bid. Application must be submitted to the Board at least 30 days prior to a regular Board meeting scheduled every Quarter on the first Tuesday of January, April, July and October.

6. ANNUAL LICENSE TO BID (Not Used)

7. CHARGES FOR PROPOSALS, PLANS AND SPECIFICATIONS

Prospective Bidders may obtain Proposal forms including one copy of Contract Documents upon payment of the amount of money stipulated in the "Advertisement for Bids."

No refunds will be made for return of Plans or Specifications.

If a contract award is made, the successful Bidder will be furnished (free of charge) two additional sets of the Plans and Specifications.

In the event all Bids are rejected and the Project is re-advertised, the original Bidders shall **NOT** be entitled to free Bidders Proposal forms for the subsequent letting.

8. OMISSIONS AND DISCREPANCIES

Should a Bidder find discrepancies, errors or omissions in the Drawings or Specifications, or should he be in doubt as to the correctness of the Plan details, dimensions and layout, he should immediately notify the Engineer in order to permit checking and any necessary revisions or modifications.

9. ADDENDA

Prior to the date set for opening of Bids, the right is reserved, in the interests of the Owner, as it may require, to revise or amend the Contract Documents. Such revisions, if any, will be announced by an Addendum or Addenda, and copies of such Addenda will be furnished to all prospective Bidders who have purchased Plans and Specifications for acknowledgment by return fax. If the revisions and

Addenda are of a nature which require material changes in quantities or prices Bid, or both, the date set for opening Bids may be postponed to enable Bidders to revise their Bids. In such case, the Addendum or Addenda will include an announcement of the new date for opening Bids.

10. INTERPRETATIONS

No oral interpretation made to any Bidder as to the meaning of the Contract Documents shall be considered an effective modification of any of the provisions of the Contract Documents. In order to ensure appropriate and concise responses, and avoid any misinterpretations, no verbal questions will be received. Written requests for interpretation of the Plans and Specifications shall be submitted to the Engineer at least 10 days prior to opening of Proposals so that a formal decision can be given in writing to all known prospective Bidders in the form of an Addendum. The Contract Document contains the provisions required for the construction of the Project. Information obtained from an officer, agent, or employee of the Owner or any other person shall not affect the risks or obligations assumed by the Contractor or relieve him from fulfilling any of the conditions of the Contract.

11. BID SECURITY

All Bids shall be accompanied by a Bid Security in the form of a Certified Check upon a national or state bank or a Bid Bond made by a bonding company registered in the State of Mississippi, drawn and made payable to the Owner in an amount equal to five percent of the Bid. The Certified Check or Bid Bond must be enclosed in the same envelope with the Bid. Except as noted below, the Bid Security of all known unsuccessful Bidders will be returned promptly after a Notice of Award has been sent to the successful Bidder or in the event that all Bids are rejected.

The Bid Security of the next two lowest qualified Bidders will be retained until the Contract has been executed with the lowest qualified Bidder. The Bid Security of the successful Bidder will be returned when satisfactory Performance and Payment Bonds have been furnished and approved and the Contract executed.

12. GENERAL INFORMATION

Bidders shall inform themselves and comply with all pertinent Owner regulations and ordinances, State and Federal laws, licenses and tax liabilities which may in any manner affect their Bids and the prosecution of the work. The successful bidder will be responsible for obtaining all building, plumbing, and electrical permits required by the local city government. Special attention is directed to the rules and regulations published by the Mississippi State Tax Commission outlining certain taxes imposed on Contractors by the state of Mississippi.

13. REJECTION OF PROPOSAL

Proposals may be rejected in the case of any omission, alterations of forms, additions or conditions not called for, unauthorized alternate Bids, incomplete Bids, erasures or irregularities of any kind. Bids received conditioning their consideration or rejection upon Bids for the other work submitted by the same Bidder may be classed as irregular, unless the Contract Documents specifically invite or permit conditional or combination Bids. Bids in which the prices obviously are unbalanced may be rejected.

14. CONDITIONS OF WORK

Each Bidder must inform himself fully of the conditions relating to the construction of the Project and the employment of labor thereon. Failure to do so will not relieve a successful Bidder of his obligation to furnish all materials and labor necessary to carry out the provisions of his Contract. Insofar as possible, the Contractor, in carrying out his work, must employ such methods or means as will not cause any interruption of or interference with the work of any other Contractor.

15. SECURITY FOR FAITHFUL PERFORMANCE

Simultaneously with his delivery of the Executed Contract, the Contractor shall furnish a Performance Bond and a Payment Bond each in the sum of 100% of the Contract amount as security for faithful performance of his Contract and for the payment of all persons performing labor on the Project under his Contract and furnishing materials in connection with his Contract, as specified in the Contract Documents. The surety of such Bonds shall be issued by a duly authorized surety company listed on the Treasury Department's most current list Circular 570 (as amended) and satisfactory to the Owner.

Attorneys in fact who sign Bid Bonds or Payment Bonds and Performance Bonds must file with each bond a certified and effective dated copy of their Power of Attorney. Failure of the successful Bidder to execute the Contract and to supply the required bonds within 10 calendar days from the date that the Notice of Award is delivered, or within such extended period as the Owner may grant based upon reasons determined sufficient by the Owner, shall constitute a default, and the Owner, at his discretion, may either award the Contract to the next lowest qualified Bidder or readvertise for Bids, and may charge against the Bidder the difference between the amount for which a Contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the Bid Bond. If a more favorable bid is received by readvertising, the defaulting Bidder shall have no claim against the Owner for a refund. The Contractor's bond will not be released until all provisions of the Contract have been fulfilled.

16. INSURANCE

The Contractor will be required to carry the types and amounts of insurance named in the Contract Documents for the full life of the Contract.

17. SUBCONTRACTORS

Bidders are specifically advised that any person, firm or other party to whom it is proposed to award a Subcontract must be acceptable to the Owner. Nothing contained in the Contract Documents shall create any contractual relation between subcontractor and the Owner.

18. METHOD OF AWARD – LOWEST RESPONSIVE BIDDER

The Owner will award the Contract to the lowest and best Bid unless all Bids are rejected. The award will be based on the evaluation of the low bid for the total base bid or the total alternate bid as decided upon by the Owner.

The responsiveness of the low Bidder shall be determined by (1) the completeness and regularity of the Bidders Proposal; (2) the Bidders Proposal being without exclusions or special conditions; (3) the Bid Form having no alternative Bids for any item unless requested in the Technical Specifications;

and (4) such other factors as may be considered under State law, Federal law or regulation.

The evaluation of the low bidder will be based on whether the Bidder (1) maintains a permanent place of business; (2) has adequate plant equipment to do the work properly and within the time limit that is established; (3) has adequate financial status to meet his obligations contingent to the work; (4) has adequate manpower and present workload is such that he can perform according to a reasonable schedule; and (5) such other factors as may be considered under State law, Federal law or regulation.

19. OBLIGATION OF BIDDER

At the time of the opening of Bids, each Bidder will be presumed to have inspected the site and to have read and to be thoroughly familiar with the Plans and Contract Documents (including all Addenda).

The failure or omission of any Bidder to examine any form, instrument or document shall in no way relieve any Bidder from any obligation in respect to his Bid. Submission of Bid shall be accepted as prima facie evidence that Bidder has inspected the site and is familiar with the Plans and Contract Documents.

20. SUBSURFACE DATA

Geotechnical Report is included for use and located in Appendix A.

21. EXECUTION OF CONTRACT

If the successful Bidder is a corporation, the officer who signs the Contract shall furnish copies of the resolution of the Directors of the corporation authorizing him to sign the contract. Such resolution should bear the seal of the corporation.

Subject to the applicable provisions of law, the Contract shall be in full force and effect only from and after the date when a fully executed and approved counterpart thereof has been rendered or delivered, or both, to the Contractor or his duly authorized agent or representative. Deposit of said counterpart in the United States mail in an envelope or wrapper properly addressed shall constitute compliance with these provisions by the Owner.

22. INTERCHANGEABLE TERMS

The terms "Bid" and "Proposal" wherever they are used in the Contract Documents are interchangeable and have the same meaning. The terms "Contract" and "Agreement", are interchangeable and have the same meaning. The terms "Contract Drawings" and "Plans", are interchangeable and have the same meaning.

23. QUALIFICATIONS OF BIDDER, OWNER'S RIGHTS

The Owner may make such investigation as it deems necessary to determine the ability of the Bidder to perform the work, and the Bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by or investigation of such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein.

24. MATERIALS AND EQUIPMENT

Whenever materials or equipment are specified or described in the Contract Documents by using the name of a manufacturer, fabricator, supplier, or distributor, the naming of the item in this manner is intended to establish the type, function and quality required. Materials or equipment of other manufacturers, fabricators, suppliers, or distributors may be accepted by the Engineer if sufficient information is submitted by the Contractor to allow the Engineer to determine that the material or equipment proposed is equivalent to that named in the Contract Documents. Bidders are referred to Section 6.3 of the General Conditions regarding procedures for approval of substitute materials and equipment.

25. NON-RESIDENT BIDDERS

Awarding public contracts to non-resident Bidders will be on the same basis as the non-resident Bidder's state awards contractors to Mississippi Contractors bidding under similar circumstances. In order to ensure that Mississippi's so called "Golden Rule" is followed, state law requires a non-resident Bidder to attach to his bid a copy of his resident state's current laws pertaining to such state's treatment of non-resident contractors.

26. DESIGNATING OWNER AND ENGINEER

Any reference in the Contract Documents to the State of Mississippi, Mississippi Department of Transportation, Mississippi Transportation Commission, or any official thereof shall be interpreted to mean the City of Hattiesburg, Mississippi, the "Owner".

Any reference in the Standard Specifications to the Project Engineer, District Engineer, Office Engineer, or Engineer shall be interpreted to mean the Engineer for the City of Hattiesburg, Mississippi, Neel-Schaffer, Inc.

27. NON-USE OF PRECAST DRAINAGE UNITS

Bidders are hereby advised that the use of precast inlets and junction boxes will **NOT** be allowed on this project. Should the Contractor makes this request, the request will be denied.

28. VIBRATORY ROLLER

Bidders are advised that the use of vibratory rollers **will not** be allowed and the lot density required in Subsections 401.02.6.4.1 and 401.03.1.4 shall be **reduced by one percent (1%)**.

29. MATERIALS TESTING

The Contractor shall be responsible for all testing of materials associated with the project. Materials shall be tested in accordance to the requirements and frequencies outlined in the *Mississippi Standard Specifications for Road and Bridge Construction* (2004 Edition), and shall be considered an absorbed item.

BIDDER'S PROPOSAL
GORDON'S CREEK – DOWNTOWN DISTRICT
CITY OF HATTIESBURG, MISSISSIPPI

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BIDDER'S PROPOSAL
GORDON'S CREEK – DOWNTOWN DISTRICT
CITY OF HATTIESBURG, MISSISSIPPI

DATE: _____, 20_____

PROPOSAL OF _____
(Name of Bidder)

(Address of Bidder)

for construction of the Gordon's Creek – Downtown District Project.

The documents on which this Proposal is based include the Instructions to Bidders, Bid Forms, General Conditions, Supplementary Conditions, Supplemental General Conditions, Technical Specifications, Contract Drawings, and all supplements, amendments and addenda for this Project and are made a part hereof by reference.

TO: CITY OF HATTIESBURG
200 FORREST STREET
HATTIESBURG, MISSISSIPPI 39401

Gentlemen:

The following Proposal is submitted on behalf of the undersigned Bidder(s) and no others. Evidence of my (our) authority to submit the Proposal is hereby furnished. The Proposal is submitted without collusion on the part of any person, firm or corporation.

I (We), the undersigned Bidder(s), certify that I (we) have carefully examined the Instructions to Bidders, Bid Forms, General Conditions, Supplemental Conditions, Technical Specifications, Contract Drawings and any and all Addenda thereof.

I (We) further certify that I, (we) have visited and carefully examined the site of the proposed Work and have inspected the location and condition of all public utilities and existing structures or other facilities on the site or adjacent thereto which may be affected by the proposed construction and fully understand all conditions relative to construction difficulties, hazards, labor, transportation and all other factors affecting the prosecution of the work covered by this Proposal.

I (We) understand that the quantities mentioned below are approximate only and are subject to either increase or decrease, and hereby propose to perform any increased or decreased quantities of work at the unit prices bid. No increase in quantities of work shall be performed until a written change order is duly executed in advance and approved in the public minutes of the Owner.

00300-2

In accordance with the requirements of the Instructions to Bidders, Bid Forms, Federal Supplement to Bidder's Proposal, Technical Specifications, General Conditions, Supplementary Conditions, Contract Drawings, and any Addenda, I (we) propose to furnish all necessary materials, equipment, labor, tools and other means of construction and will do all Work called for by the Contract Documents within the specified Contract Time. The following is my (our) itemized proposal for the project:

Prices Bid and Approximate Quantities – Base Bid

Pay Item	Description	Qty	Unit	Unit Price	Price Extension
201-A	RANDOM CLEARING AND GRUBBING	1	LS		
202-A	REMOVAL OF OBSTRUCTIONS	1	LS		
202-B	REMOVAL OF RETAINING WALL, ALL TYPES	175	SF		
202-B	REMOVAL OF CONCRETE SIDEWALK	12	SY		
202-B	REMOVAL OF PAVEMENT, ALL TYPES AND DETPH	575	SY		
202-B	REMOVAL OF CURB & GUTTER, ALL TYPES	50	LF		
202-B	REMOVAL OF RIPRAP/GROUTED RIPRAP, ALL SIZES	300	SY		
203-A	UNCLASSIFIED EXCAVATION, FM, AH	100	CY		
203-E	BORROW EXCAVATION, AH, FME, CLASS B9	500	CY		
203-G	EXCESS EXCAVATION, FM, AH	100	CY		
211-B	TOPSOIL FOR SLOPE TREATMENT, CONTRACTOR FURNISHED	115	CY		
211-D	TOPSOIL FOR PLANTED PITS, CONTRACTOR FURNISHED	5	CY		
212-B	STANDARD GROUND PREPARATION	1634	SY		
907-213-A	AGRICULTURAL LIMESTONE	1	TON		
213-B	COMBINATION FERTILIZER, 13-13-13	1	TON		
216-B	SOLID SODDING, BERMUDA	1634	SY		
219-A	WATERING	250	KGAL		
220-A	INSECT PEST CONTROL	1	ACRE		
907-230-A	SHRUB PLANTING, DWARF YAUPON HOLLY	16	EA		
907-230-A	SHRUB PLANTING, KNOCKOUT ROSE	34	EA		
907-230-A	SHRUB PLANTING, AZALEA	6	EA		
907-230-A	SHRUB PLANTING, LIRIOPE "BIG BLUE"	685	EA		
907-230-B	TREE PLANTING, LIVE OAK	2	EA		
907-230-B	TREE PLANTING, CHINESE ELM "DRAKE"	5	EA		
907-230-B	TREE PLANTING, RIVER BIRCH	9	EA		
907-230-D	BED PREPARATION	1821	SF		

00300-4

232-A	FERTILIZER FOR WOODY PLANTS, TABLE, 10 GRAM	1	K		
907-233-A	TREE BARK MULCH, TYPE III	14	CY		
907-233-A	TREE BARK MULCH, TYPE V	20	CY		
907-240-PP	EROSION CONTROL	1	LS		
907-304-G	SIZE 825B CRUSHED STONE BASE, AEA	60	CY		
907-403-A	HOT MIX ASPHALT, ST, 12.5-MM MIXTURE	80	TON		
907-403-A	HOT MIX ASPHALT, ST, 9.5-MM MIXTURE	40	TON		
907-601-B	CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES	10	CY		
602-A	REINFORCING STEEL	3000	LBS		
603-CA	24" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS	32	LF		
603-CA	18" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS	16	LF		
603-CA	15" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS	40	LF		
603-CA	12" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS	8	LF		
604-A	CASTINGS	79	LBS		
907-607-PP	4'H X 8'W DECORATIVE STEEL FENCE PANEL, PER PLANS	43	EA		
907-607-P	DECORATIVE STEEL FENCE POST	44	EA		
608-A	CONCRETE SIDEWALK, WITHOUT REINFORCEMENT	1030	SY		
613-A	ADJUSTMENT OF CASTING, GRATINGS, & UTILITY APPURTENANCES	1	LS		
618-A	MAINTENANCE OF TRAFFIC	1	LS		
618-B	ADDITIONAL CONSTRUCTION SIGNS	1	SF	\$10	\$10
620-A	MOBILIZATION	1	LS		
630-A	STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS	24.75	SF		
630-C	STEEL U-SECTION POST, 3.0 TO 3.5 LB/FT	42	LF		
699-A	ROADWAY CONSTRUCTION STAKES	1	LS		
809-A	MODULAR RETAINING WALL SYSTEM	20	SF		
815-B	GROUTED RIPRAP, SIZE 100	300	SY		
815-E	GEOTEXTILE UNDER GROUTED RIPRAP, TYPE V, NON-WOVEN	300	SY		
907-242-PP	METAL BENCH, PER PLANS	1	EA		

907-242-PP	TRASH RECEPTACLE, PER PLANS	1	EA		
907-242-PP	BIKE RACK, PER PLANS	1	EA		
907-242-PP	KIOSK, PER PLANS	1	EA		
907-258-PP	BOLLARD, PER PLANS	23	EA		
907-258-PP	PEDESTRIAN BOARDWALK, PER PLANS	40	LF		
907-258-PP	PEDESTRIAN BRIDGE, PER PLANS	1	LS		
907-626-H	THERMOPLASTIC LEGEND, WHITE, 4" EQUIVALENT	768	LF		
TOTAL BASE BID \$					

THE BIDDER'S TOTAL ABOVE IS HIS TOTAL BID BASED ON HIS UNIT PRICES AND LUMP SUM PRICES AND THE ESTIMATED QUANTITIES. THIS FIGURE IS FOR INFORMATION ONLY AT THE TIME OF OPENING BIDS. THE OWNER WILL MAKE THE BID TABULATION FROM THE UNIT PRICES AND LUMP SUM PRICES BID. IF THERE IS AN ERROR IN THE TOTAL BY THE BIDDER, IT SHALL BE CHANGED AS ONLY THE UNIT PRICES AND LUMP SUM PRICES SHALL GOVERN.

NOTE: FAILURE OF BIDDER TO INCLUDE PRICES FOR THE ALTERNATE BID ITEMS MAY RENDER HIS PROPOSAL NON-RESPONSIVE.

NOTE: Bids shall include sales tax and all other applicable taxes and fees.

I (We) further propose to execute the Contract Agreement as bound herein within ten working days after receipt of Contract Forms from the Owner and to complete the work within the contract time. I (We) agree to pay as liquidated damages the actual costs, expenses and other losses reasonably incurred by Owner for each consecutive calendar day beyond the specified Contract Time.

I (We) also propose to execute a Performance Bond and a Payment Bond, as shown in the Specifications, each in an amount of not less than one hundred percent (100%) of the total of my (our) Bid. These Bonds shall not only serve to guarantee the completion of the Work on my (our) part, but also to guarantee the excellence of both workmanship and materials until the Work is finally accepted.

I (We) enclose a Bid Bond or Certified Check for 5 percent of _____
_____, DOLLARS (\$ _____)
(Base Bid Amount)

and hereby agree that in case of my (our) failure to execute the Contract and furnish the Bonds within ten calendar days after delivery of the Notice of Award, the amount of this check (Bid Bond) will be forfeited to the Owner as liquidated damages arising out of my (our) failure to execute the Contract as proposed.

It is understood that in case I (we) am (are) not awarded the Work, the Certified Check or Bid Bond submitted as Bid security will be returned as stipulated in the Contract Documents.

Bidder acknowledges receipt of the following Addenda:

No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____

Respectfully Submitted,

Contractor(s)

By: _____
Title

Address

BIDDER'S CORPORATE DECLARATION
(TO BE FILLED IN IF BIDDER IS A CORPORATION)

Date: _____, 20_____.

Our corporation is chartered under the Laws of the state of _____ and the names, titles and business addresses of the executives are as follows:

President

Secretary

Treasurer

DECLARATION OF PARTNERSHIP

(To be filled in if a Bidder is a Partnership)

Our Partnership is composed of the following individuals:

Address

Address

NON-COLLUSION AFFIDAVIT

GORDON'S CREEK – DOWNTOWN DISTRICT

CITY OF HATTIESBURG, MISSISSIPPI

(THIS AFFIDAVIT MUST BE EXECUTED FOR THE BID TO BE CONSIDERED)

STATE OF _____)

COUNTY OF _____) ss.

_____ being first duly sworn,
(Person)
deposes and says that he is _____

(Sole owner, a partner, president, secretary, etc.)
of _____ the party making the foregoing Proposal or Bid;
(Name of Firm)

that such Bid is genuine and not collusive; that said Bidder is not financially interested in, or otherwise affiliated in a business way with any other bidder on the same contract; that said Bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to put in a sham bid, or that such other person shall refrain from bidding, and has not in any manner, directly or indirectly sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, or to secure any advantage against the Owner or any person or persons interested in the proposed contract; and that all statements contained in said Proposal or Bid are true; and further, that such Bidder has not, directly or indirectly submitted his Bid, or the contents thereof, or divulged information or data relative thereto to any association or to any member or agent thereof.

Affiant

Sworn to and subscribed before me this _____ day of _____, 20_____.

Notary Public in and for

_____ County,

(SEAL)

My Commission Expires

_____, 20_____.

BID BOND

GORDON'S CREEK – DOWNTOWN DISTRICT

CITY OF HATTIESBURG, MISSISSIPPI

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned _____ as Principal, and _____ as Surety, are hereby held and firmly bound unto the Owner, in the penal sum of \$ _____ for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns. Signed this ____ day of _____, 20 _____.

The condition of the above obligation is such that whereas the Principal has submitted to the Owner, a certain bid, attached hereto and hereby made a part hereof to enter into a contract in writing for the above referenced project.

NOW THEREFORE,

- (a) If said Bid shall be rejected, or in the alternate,
- (b) If said Bid shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said Bid) and shall furnish a bond for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bid,

then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such Bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to signed by their proper officers, the day and year first set forth above.

Contractor

SEAL

By:_____

Surety

SEAL

By:_____

PROPOSED SUBCONTRACTORS
GORDON'S CREEK – DOWNTOWN DISTRICT
CITY OF HATTIESBURG, MISSISSIPPI

The names and addresses of all persons and parties who will be utilized for subcontract Work in the foregoing Bidder's Proposal are listed below. (The Contractor must list all Subcontractors to be utilized on the Work. Failure to list Subcontractors may cause the Bidder's Proposal to be rejected by the Owner as non-responsive.) If the Bidder does not propose Subcontractors, so state.

NAME	ADDRESS

CONTRACT FORMS
GORDON’S CREEK – DOWNTOWN DISTRICT
CITY OF HATTIESBURG, MISSISSIPPI

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Notice to Proceed.....	00500-13
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CONTRACT

GORDON'S CREEK – DOWNTOWN DISTRICT

CITY OF HATTIESBURG, MISSISSIPPI

This Contract, made this the _____ day of _____, 20____, by and between the City of Hattiesburg, Mississippi, a municipal corporation, hereinafter called "Owner" and _____ doing business as a _____ located in _____ hereinafter called the "Contractor".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. THE CONTRACTOR will commence and complete the "Gordon's Creek – Downtown District" project in strict accordance with the Contract Documents and the Contract Drawings.
2. The Contractor will commence the work required by the CONTRACT DOCUMENTS within 10 calendar days after the date of the NOTICE TO PROCEED and will attain Final Completion within the contract time stipulated in the Advertisement for Bids unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS. The Contractor agrees to pay, as liquidated damages, the actual damages, costs, losses and expenses reasonably incurred by Owner for each consecutive calendar day that he shall be in default in attaining Final Completion within the time stipulated as provided herein.
3. The term "CONTRACT DOCUMENTS" means and includes Advertisement for Bids, Instructions to Bidders, Bidder's Proposal, Bid Bond, Contract, Payment Bond, Performance Bond, General Conditions, Supplementary Conditions, Technical Specifications, Contract Drawings, Notice of Award, Notice to Proceed, Addenda (if any), and all subsequent Change Orders, Supplemental Agreements and/or other modifications as if formally recopied in this Contract.
4. The Contractor agrees to furnish all materials in place and to faithfully complete all of said work contemplated by this Contract in good and workmanlike manner, strictly in accordance with said Contract Documents, Contract Drawings and other requirements of the Owner, and to the complete satisfaction of the Owner or his authorized representatives, and in accordance with the Laws of the state of Mississippi and the Ordinances of the Owner, for which the Owner hereby agrees to pay and the Contractor agrees to accept a sum of money in current funds equal to the contract amount of _____ (\$ _____) plus the amount of any supplemental agreements and force accounts for extra work authorized and duly set forth in a written change order approved and executed by the Owner and set forth in the public minutes of the Owner and in full compensation for furnishing all materials, the doing of all work contemplated under the Contract, as well as all loss or damage, if any, arising out of the nature of the work, or the action of the weather, and any and all other unforeseen obstructions or difficulties that may be encountered in the prosecution of the same, the Contractor assuming all risks of every kind and description in the performance of this

Contract.

5. The Contractor shall protect, indemnify and save harmless the Owner from and against any and all damage, loss, claims, judgments or expenses, including but not limited to reasonable attorney's fees, which the Owner may suffer or be subjected to by the performance of the work, including but without limitation injury to or death of any person whomever and destruction or damage to any property whatsoever.
6. Attached hereto and made a part of this Contract is a Performance Bond, executed by a Surety Company doing business in the state of Mississippi, in the sum of

(\$_____).
7. Attached hereto and made a part of this Contract is a Payment Bond, executed by a Surety Company doing business in the state of Mississippi, in the sum of

(\$_____).
8. The Contractor agrees to allow the Owner, or any of their duly authorized representatives, access to any books, documents, papers and records of the Contractor which are directly pertinent to the project which is the subject of this Contract, for the purpose of making audits, examinations, excerpts and transcriptions, and Contractor agrees to insert an identical clause in any and all subcontracts.
9. The Owner will pay to the Contractor in the manner and at such times and amounts as set forth in the Contract Documents.
10. This Contract shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.
11. If, through any cause, the Contractor shall fail to fulfill in a timely and proper manner his obligations under this Contract, or if the Contractor shall violate any of the covenants, agreements, or stipulations of this Contract, the Owner shall thereupon have the right to terminate this Contract by giving written notice to the Contractor of such termination and specifying the effective date thereof, at least five days before the effective date of such termination. Notwithstanding the above, the Contractor shall not be relieved of liability to the Owner for damages sustained by the Owner by virtue of any breach of the Contract by the Contractor and the Owner may withhold any payments to the Contractor until such time as the exact amount of damages due the Owner from the Contractor is determined.

IN WITNESS THEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Contract in _____ counterparts, each of which shall be deemed an original on the date first above written. (number)

OWNER

CONTRACTOR

BY _____

BY _____

ATTEST _____

ATTEST _____

(Seal)

(Seal)

PARTNERSHIP CERTIFICATE

State of _____

County of _____ Ss.

On this _____ day of _____, 20_____, before me personally appeared _____, known to me and known by me to be the person who executed the above instrument, who being by me first duly sworn, did depose and say that he is a general partner in the firm of _____; that said firm consists of himself and _____; and that he executed the foregoing instrument on behalf of said firm for the uses and purposes stated herein.

Notary Public in the

County of _____

State of _____

Notary Seal

My Commission Expires:

CORPORATE CERTIFICATE

I, _____ certify that I am the Secretary of the Corporation named as Contractor in the foregoing Contract; that _____, who signed said Contract on behalf of the Contractor was then _____ of said Corporation; that said Contract was duly signed for and in behalf of said Corporation by authority of its governing body and is within the scope of its corporate powers.

Secretary

Corporate Seal

GENERAL INSTRUCTIONS FOR BONDS

1. The surety on each Bond must be a responsible surety company, which is qualified to do business in Mississippi and satisfactory to the Owner.
2. The name, including full Christian name and residence of each individual party to the Bond shall be inserted in the body thereof, and each such party shall sign the Bond with his usual signature on the line opposite the seal and if signed in Maine, Massachusetts or New Hampshire an adhesive seal shall be affixed opposite the signature. The bond must be either signed or countersigned by a Mississippi Resident Agent of the Surety Company.
3. If the principals are partners, their individual names will appear in the body of the Bond with the recital that they are partners composing a firm, naming it; and all the members of the firm shall execute the Bond as individuals.
4. The signature of a witness shall appear in the appropriate place, attesting to the signature of each individual party to the Bond.
5. If the principal or surety is a corporation, the name of the State in which incorporated shall be inserted in the appropriate place in the body of the Bond, and said instrument shall be executed and attested under the corporate seal as indicated in the form. If the corporation has no corporate seal the fact shall be stated, in which case, a scroll or adhesive seal shall appear following the corporate name.
6. The official character and authority of the person or persons executing the Bond for the principal, if a corporation, shall be certified by the secretary or assistant secretary, according to the form attached hereto. In lieu of such certificate there may be attached to the Bond copies of so much of the records of the corporation as will show the official character and authority of the officer signing, duly certified by the secretary or assistant secretary, under the corporate seal, to be true copies.
7. The date of this Bond must not be prior to the date of the Contract in connection with which it is given.
8. Surety Companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the project is located.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____ hereinafter called Principal, and
(Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto _____

(Name of Owner)

(Address of Owner)

hereinafter called OWNER, in the penal sum of _____ Dollars,
\$(_____) in lawful money of the United States, for the payment of which sum well
and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these
presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain
contract with the OWNER, dated _____ day of _____ 20 _____,
a copy of which is hereto attached and made a part hereof for the construction of :

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings,
covenants, terms, conditions, and agreements of said contract during the original term thereof, and any
extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the
one year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and
shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by
reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the
OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full
force and effect.

NOW, THEREFORE, if the Principal shall promptly make payment of all taxes, licenses, assignments,
contributions, damages, penalties, and interest thereon, when and as the same may lawfully be due the state of
Mississippi, or any county, municipality, board, department, commission, or political subdivision thereof, by
reason of and directly connected with the performance of said Contract or any part thereof as provided by
Sections 27-65-1, 27-65-21, 27-67-301 and 31-5-3, supra, or any other applicable statute or other authority,
then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no change,

00500-7

extension of time, alteration or addition to the terms of the contract or to the WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this statement is executed in _____ counterparts, each one of which shall
(number)
be deemed an original, this the _____ day of _____, 20 _____.

ATTEST:

(Principal) Secretary
(Seal)

Principal
By _____

(Address)

Witness as to Principal

(Address)

ATTEST:

Witness as to Surety

(Address)

Surety
By _____

(Address)

NOTE: Date of BOND must not be prior to date of Contract.
 If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the PROJECT is located.

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS THAT

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called Principal,
(Corporation, Partnership, or Individual)

and _____
(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto _____

(Name of Owner)

(Address of Owner)

hereinafter called OWNER, in the penal sum of _____
Dollars, \$(_____)

in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____ 20 _____, a copy of which is hereto attached and made a part hereof for the construction of:

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms, SUBCONTRACTORS, and corporations furnishing materials for or performing labor in the prosecution of the WORK provided for in such contract, and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such WORK, and all insurance premiums on said WORK, and for all labor, performed in such WORK whether by SUBCONTRACTOR or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

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IN WITNESS WHEREOF, this statement is executed in _____ counterparts, each one of which shall
(number)
be deemed an original, this the _____ day of _____, 20 _____.

ATTEST:

(Principal) Secretary
(Seal)

Principal
By _____

(Address)

Witness as to Principal

(Address)

ATTEST:

Surety

By _____

Witness as to Surety

(Address)

(Address)

NOTE: Date of BOND must not be prior to date of Contract.
If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State where the PROJECT is located.

NOTICE OF AWARD

Date _____

TO: _____

RE: Gordon's Creek – Downtown District
 City of Hattiesburg, Mississippi

NOTICE OF AWARD

Gentlemen:

The Owner has considered the Proposal submitted by you for the above referenced Work in response to its Advertisement for Bids and Instructions to Bidders.

You are hereby notified that your Proposal has been accepted in the amount of \$_____.

You are required by the Instruction to Bidders to execute the Contract and furnish to the Owner the required Contractor's Performance Bond, Payment Bond and certificates of insurance within 10 calendar days from the date of delivery of this Notice to you. We have enclosed five copies of the necessary contract forms and bond forms. Please return all five copies of these documents to the offices of Neel-Schaffer, 704 Hardy Street, Hattiesburg, MS 39401.

If you fail to execute said Contract and to furnish said Bonds within 10 days from the date of delivery of this Notice, the Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your proposal as abandoned and as a forfeiture of your Bid Bond. The Owner will be entitled to such other rights as may be granted by Law.

You are required by the General Conditions and Supplementary Conditions to submit to Neel-Schaffer, Inc. an estimated progress schedule, a preliminary schedule of Shop Drawing submissions and a preliminary schedule of values of the Work within 10 days after the effective date of this Contract, all in accordance with Article 2.5 of the General Conditions.

00500-11

You are required to return an acknowledged copy of this Notice of Award directly to the City of Hattiesburg, Mississippi, Attention: Mayor Johnny Dupree, and to Neel-Schaffer, Inc.

Sincerely,

NEEL-SCHAFFER, INC.

Geoffrey P. Crosby, P.E.
Project Engineer

c: Mayor Johnny Dupree
City of Hattiesburg
200 Forrest Street
Hattiesburg, MS 39401

ACCEPTANCE OF NOTICE

Receipt of the above Notice of Award is hereby acknowledged by _____ this, the
_____ day of _____, 20_____.

By _____

Title _____

NOTICE TO PROCEED

Date _____

To: _____

Attention: _____

REFERENCE: NOTICE TO PROCEED
GORDON'S CREEK – DOWNTOWN DISTRICT
CITY OF HATTIESBURG, MISSISSIPPI

Dear _____:

You are hereby notified to commence Work in accordance with the Contract dated _____, on or before _____. You are to complete the Work within _____ consecutive calendar days from the effective date of this Notice to Proceed. The date of Final Completion is therefore _____. Liquidated damages in the amount of the actual damages, costs, losses and expenses reasonably incurred by the OWNER per calendar day for each day the Work has not achieved Final Completion after _____ will be imposed unless the contract time is otherwise adjusted for due cause by change orders to the Contract. Liquidated Damages, as defined herein, will be assessed unless the Contract Time is otherwise adjusted for due cause by change order to the Contract.

The engineering firm of Neel-Schaffer, Inc. will act as the Engineer on behalf of the City of Hattiesburg, Mississippi for the work to be performed under the contract. Geoffrey P. Crosby, P.E., of Neel-Schaffer, Inc. will be the designated representative of the Engineer.

Please return a copy of this NOTICE TO PROCEED and ACCEPTANCE OF NOTICE to the undersigned and to Neel-Schaffer, Inc., indicating your receipt of this document in the space provided below.

Sincerely,

City of Hattiesburg, Mississippi

Mayor Johnny Dupree

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED

is hereby acknowledged by _____

this, the _____ day

of _____, 20_____.

By _____

Title _____

CERTIFICATE OF SUFFICIENCY

GORDON'S CREEK – DOWNTOWN DISTRICT

CITY OF HATTIESBURG, MISSISSIPPI

I, _____, CHIEF LEGAL OFFICER FOR THE
OWNER, DO HEREBY CERTIFY THAT I HAVE EXAMINED THIS AGREEMENT, THE BONDS AND
EVIDENCE OF INSURANCE OFFERED BY THE CONTRACTOR AND FIND THEM TO BE
PROPERLY EXECUTED, ADEQUATE AND SUFFICIENT.

Date: _____

CONTRACT CHANGE ORDER

OWNER: _____ PROJECT NAME: _____

CONTRACTOR: _____

DATE: _____

CHANGE ORDER NUMBER: _____ CONTRACT NUMBER: _____

REASON FOR CHANGE: _____

YOU ARE HEREBY REQUESTED TO COMPLY WITH THE FOLLOWING CHANGES FROM THE CONTRACT
PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTS: (USE ADDITIONAL SHEETS IF REQUIRED)

ITEM NO.	DESCRIPTION OF CHANGE(S) (QUANTITIES, ETC.)	QTY	UNIT COST	TOTAL CONTRACT
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00

TOTAL CONTRACT CHANGE	\$
	TOTAL CONTRACT
ORIGINAL CONTRACT AMOUNT:	\$
CURRENT CONTRACT AMOUNT:	\$
THIS CONTRACT CHANGE	
REVISED CONTRACT AMOUNT:	\$
CURRENT CONTRACT COMPLETION DATE:	
TIME EXTENSION REQUIRED BY CHANGE:	
REVISED CONTRACT COMPLETION DATE:	
THIS DOCUMENT SHALL BE AN AMENDMENT TO THE CONTRACT AND ALL PROVISIONS OF THE CONTRACT WILL APPLY. RECOMMENDED BY: _____ ENGINEER _____ DATE _____ NEEL-SCHAFFER, INC. ACCEPTED BY: _____ CONTRACTOR _____ DATE _____	

This document has important legal consequences; consultation with an attorney is encouraged with respect to its use or modification. This document should be adapted to the particular circumstances of the contemplated Project and the Controlling Law.

STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

Prepared by

ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

and

Issued and Published Jointly By



PROFESSIONAL ENGINEERS IN PRIVATE PRACTICE
a practice division of the
NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

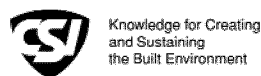
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1420 King Street, Alexandria, VA 22314

American Council of Engineering Companies
1015 15th Street, N.W., Washington, DC 20005

American Society of Civil Engineers
1801 Alexander Bell Drive, Reston, VA 20191-4400

These General Conditions have been prepared for use with the Suggested Forms of Agreement Between Owner and Contractor Nos. C-520 or C-525 (2002 Editions). Their provisions are interrelated and a change in one may necessitate a change in the other. Comments concerning their usage are contained in the EJCDC Construction Documents, General and Instructions (No. C-001) (2002 Edition). For guidance in the preparation of Supplementary Conditions, see Guide to the Preparation of Supplementary Conditions (No. C-800) (2002 Edition).

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GENERAL CONDITIONS

ARTICLE 1 - DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

A. Wherever used in the Bidding Requirements or Contract Documents and printed with initial capital letters, the terms listed below will have the meanings indicated which are applicable to both the singular and plural thereof. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.

1. *Addenda*--Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.

2. *Agreement*--The written instrument which is evidence of the agreement between Owner and Contractor covering the Work.

3. *Application for Payment*--The form acceptable to Engineer which is to be used by Contractor during the course of the Work in requesting progress or final payments and which is to be accompanied by such supporting documentation as is required by the Contract Documents.

4. *Asbestos*--Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.

5. *Bid*--The offer or proposal of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

6. *Bidder*--The individual or entity who submits a Bid directly to Owner.

7. *Bidding Documents*--The Bidding Requirements and the proposed Contract Documents (including all Addenda).

8. *Bidding Requirements*--The Advertisement or Invitation to Bid, Instructions to Bidders, bid security of acceptable form, if any, and the Bid Form with any supplements.

9. *Change Order*--A document recommended by Engineer which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, issued on or after the Effective Date of the Agreement.

10. *Claim*--A demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both, or other relief with respect to the terms of the Contract. A demand for money or services by a third party is not a Claim.

11. *Contract*--The entire and integrated written agreement between the Owner and Contractor concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral.

12. *Contract Documents*-- Those items so designated in the Agreement. Only printed or hard copies of the items listed in the Agreement are Contract Documents. Approved Shop Drawings, other Contractor's submittals, and the reports and drawings of subsurface and physical conditions are not Contract Documents.

13. *Contract Price*--The moneys payable by Owner to Contractor for completion of the Work in accordance with the Contract Documents as stated in the Agreement (subject to the provisions of Paragraph 11.03 in the case of Unit Price Work).

14. *Contract Times*--The number of days or the dates stated in the Agreement to: (i) achieve Milestones, if any, (ii) achieve Substantial Completion; and (iii) complete the Work so that it is ready for final payment as evidenced by Engineer's written recommendation of final payment.

15. *Contractor*--The individual or entity with whom Owner has entered into the Agreement.

16. *Cost of the Work*--See Paragraph 11.01.A for definition.

17. *Drawings*--That part of the Contract Documents prepared or approved by Engineer which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.

18. *Effective Date of the Agreement*--The date indicated in the Agreement on which it becomes effective, but if no such date is indicated, it means the date on which the Agreement is signed and delivered by the last of the two parties to sign and deliver.

19. *Engineer*--The individual or entity named as such in the Agreement.

20. *Field Order*--A written order issued by Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or the Contract Times.

21. *General Requirements*--Sections of Division 1 of the Specifications. The General Requirements pertain to all sections of the Specifications.

22. *Hazardous Environmental Condition*--The presence at the Site of Asbestos, PCBs, Petroleum, Hazardous Waste, or Radioactive Material in such quantities or circumstances that may present a substantial danger to persons or property exposed thereto in connection with the Work.

23. *Hazardous Waste*--The term Hazardous Waste shall have the meaning provided in Section 1004 of the Solid Waste Disposal Act (42 USC Section 6903) as amended from time to time.

24. *Laws and Regulations; Laws or Regulations*--Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.

25. *Liens*--Charges, security interests, or encumbrances upon Project funds, real property, or personal property.

26. *Milestone*--A principal event specified in the Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all the Work.

27. *Notice of Award*--The written notice by Owner to the Successful Bidder stating that upon timely compliance by the Successful Bidder with the conditions precedent listed therein, Owner will sign and deliver the Agreement.

28. *Notice to Proceed*--A written notice given by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work under the Contract Documents.

29. *Owner*--The individual or entity with whom Contractor has entered into the Agreement and for whom the Work is to be performed.

30. *PCBs*--Polychlorinated biphenyls.

31. *Petroleum*--Petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute), such as oil, petroleum, fuel oil, oil sludge, oil refuse, gasoline, kerosene, and oil mixed with other non-Hazardous Waste and crude oils.

32. *Progress Schedule*--A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising the Contractor's plan to accomplish the Work within the Contract Times.

33. *Project*--The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part.

34. *Project Manual*--The bound documentary information prepared for bidding and constructing the Work. A listing of the contents of the Project Manual, which may be bound in one or more volumes, is contained in the table(s) of contents.

35. *Radioactive Material*--Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954 (42 USC Section 2011 et seq.) as amended from time to time.

36. *Related Entity* -- An officer, director, partner, employee, agent, consultant, or subcontractor.

37. *Resident Project Representative*--The authorized representative of Engineer who may be assigned to the Site or any part thereof.

38. *Samples*--Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.

39. *Schedule of Submittals*--A schedule, prepared and maintained by Contractor, of required submittals and the time requirements to support scheduled performance of related construction activities.

40. *Schedule of Values*--A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

41. *Shop Drawings*--All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.

42. *Site*--Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements for access thereto, and such other lands furnished by Owner which are designated for the use of Contractor.

43. *Specifications*--That part of the Contract Documents consisting of written requirements for materials, equipment, systems, standards and workmanship as applied to the Work, and certain

administrative requirements and procedural matters applicable thereto.

44. *Subcontractor*--An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work at the Site.

45. *Substantial Completion*--The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Work refer to Substantial Completion thereof.

46. *Successful Bidder*--The Bidder submitting a responsive Bid to whom Owner makes an award.

47. *Supplementary Conditions*--That part of the Contract Documents which amends or supplements these General Conditions.

48. *Supplier*--A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or any Subcontractor.

49. *Underground Facilities*--All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.

50. *Unit Price Work*--Work to be paid for on the basis of unit prices.

51. *Work*--The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction, and furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.

52. *Work Change Directive*--A written statement to Contractor issued on or after the Effective Date of the Agreement and signed by Owner and recommended by Engineer ordering an addition, deletion, or revision in the Work, or responding to differing or unforeseen subsurface or physical conditions under which the Work is to be performed or to emergencies. A Work Change Directive will not change the Contract Price or the Contract Times

but is evidence that the parties expect that the change ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order following negotiations by the parties as to its effect, if any, on the Contract Price or Contract Times.

1.02 Terminology

A. The following words or terms are not defined but, when used in the Bidding Requirements or Contract Documents, have the following meaning.

B. Intent of Certain Terms or Adjectives

1. The Contract Documents include the terms "as allowed," "as approved," "as ordered", "as directed" or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives "reasonable," "suitable," "acceptable," "proper," "satisfactory," or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action or determination will be solely to evaluate, in general, the Work for compliance with the requirements of and information in the Contract Documents and conformance with the design concept of the completed Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of Paragraph 9.09 or any other provision of the Contract Documents.

C. Day

1. The word "day" means a calendar day of 24 hours measured from midnight to the next midnight.

D. Defective

1. The word "defective," when modifying the word "Work," refers to Work that is unsatisfactory, faulty, or deficient in that it:

- a. does not conform to the Contract Documents, or
- b. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents, or
- c. has been damaged prior to Engineer's - recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 14.04 or 14.05).

E. Furnish, Install, Perform, Provide

1. The word “furnish,” when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.

2. The word “install,” when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.

3. The words “perform” or “provide,” when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.

4. When “furnish,” “install,” “perform,” or “provide” is not used in connection with services, materials, or equipment in a context clearly requiring an obligation of Contractor, “provide” is implied.

F. Unless stated otherwise in the Contract Documents, words or phrases which have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2 - PRELIMINARY MATTERS

2.01 *Delivery of Bonds and Evidence of Insurance*

A. When Contractor delivers the executed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner such bonds as Contractor may be required to furnish.

B. *Evidence of Insurance:* Before any Work at the Site is started, Contractor and Owner shall each deliver to the other, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance which either of them or any additional insured may reasonably request) which Contractor and Owner respectively are required to purchase and maintain in accordance with Article 5.

2.02 *Copies of Documents*

A. Owner shall furnish to Contractor up to ten printed or hard copies of the Drawings and Project Manual. Additional copies will be furnished upon request at the cost of reproduction.

2.03 *Commencement of Contract Times; Notice to Proceed*

A. The Contract Times will commence to run on the thirtieth day after the Effective Date of the Agreement

or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Agreement. In no event will the Contract Times commence to run later than the sixtieth day after the day of Bid opening or the thirtieth day after the Effective Date of the Agreement, whichever date is earlier.

2.04 *Starting the Work*

A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work shall be done at the Site prior to the date on which the Contract Times commence to run.

2.05 *Before Starting Construction*

A. *Preliminary Schedules:* Within 10 days after the Effective Date of the Agreement (unless otherwise specified in the General Requirements), Contractor shall submit to Engineer for timely review:

1. a preliminary Progress Schedule; indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract Documents;

2. a preliminary Schedule of Submittals; and

3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

2.06 *Preconstruction Conference*

A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work and to discuss the schedules referred to in Paragraph 2.05.A, procedures for handling Shop Drawings and other submittals, processing Applications for Payment, and maintaining required records.

2.07 *Initial Acceptance of Schedules*

A. At least 10 days before submission of the first Application for Payment a conference attended by Contractor, Engineer, and others as appropriate will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with Paragraph 2.05.A. Contractor shall have an additional 10 days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer.

1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work nor interfere with or relieve Contractor from Contractor's full responsibility therefor.

2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.

3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to component parts of the Work.

ARTICLE 3 - CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

3.01 *Intent*

A. The Contract Documents are complementary; what is required by one is as binding as if required by all.

B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended result will be provided whether or not specifically called for at no additional cost to Owner.

C. Clarifications and interpretations of the Contract Documents shall be issued by Engineer as provided in Article 9.

3.02 *Reference Standards*

A. Standards, Specifications, Codes, Laws, and Regulations

1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard, specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Agreement if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.

2. No provision of any such standard, specification, manual or code, or any instruction of a Supplier shall be effective to change the duties or

responsibilities of Owner, Contractor, or Engineer, or any of their subcontractors, consultants, agents, or employees from those set forth in the Contract Documents. No such provision or instruction shall be effective to assign to Owner, or Engineer, or any of, their Related Entities, any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

3.03 *Reporting and Resolving Discrepancies*

A. Reporting Discrepancies

1. *Contractor's Review of Contract Documents Before Starting Work:* Before undertaking each part of the Work, Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures therein and all applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy which Contractor may discover and shall obtain a written interpretation or clarification from Engineer before proceeding with any Work affected thereby.

2. *Contractor's Review of Contract Documents During Performance of Work:* If, during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents or between the Contract Documents and any provision of any Law or Regulation applicable to the performance of the Work or of any standard, specification, manual or code, or of any instruction of any Supplier, Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 6.16.A) until an amendment or supplement to the Contract Documents has been issued by one of the methods indicated in Paragraph 3.04.

3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor knew or reasonably should have known thereof.

B. Resolving Discrepancies

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:

a. the provisions of any standard, specification, manual, code, or instruction (whether or not specifically incorporated by reference in the Contract Documents); or

b. the provisions of any Laws or Regulations applicable to the performance of the Work

(unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 *Amending and Supplementing Contract Documents*

A. The Contract Documents may be amended to provide for additions, deletions, and revisions in the Work or to modify the terms and conditions thereof by either a Change Order or a Work Change Directive.

B. The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work may be authorized, by one or more of the following ways:

1. A Field Order;

2. Engineer's approval of a Shop Drawing or Sample; (Subject to the provisions of Paragraph 6.17.D.3); or

3. Engineer's written interpretation or clarification.

3.05 *Reuse of Documents*

A. Contractor and any Subcontractor or Supplier or other individual or entity performing or furnishing all of the Work under a direct or indirect contract with Contractor, shall not:

1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or Engineer's consultants, including electronic media editions; or

2. reuse any of such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaption by Engineer.

B. The prohibition of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes.

3.06 *Electronic Data*

A. Copies of data furnished by Owner or Engineer to Contractor or Contractor to Owner or Engineer that may be relied upon are limited to the printed copies (also known as hard copies). Files in electronic media format of text, data, graphics, or other types are furnished only for the convenience of the receiving party. Any conclusion or information obtained or derived from such electronic files will be at the user's

sole risk. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

B. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within 60 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 60-day acceptance period will be corrected by the transferring party..

C. When transferring documents in electronic media format, the transferring party makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by the data's creator.

ARTICLE 4 - AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS; REFERENCE POINTS

4.01 *Availability of Lands*

A. Owner shall furnish the Site. Owner shall notify Contractor of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work. Owner will obtain in a timely manner and pay for easements for permanent structures or permanent changes in existing facilities. If Contractor and Owner are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of any delay in Owner's furnishing the Site or a part thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.

B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which the Work is to be performed and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.

C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

4.02 *Subsurface and Physical Conditions*

A. *Reports and Drawings:* The Supplementary Conditions identify:

1. those reports of explorations and tests of subsurface conditions at or contiguous to the Site that Engineer has used in preparing the Contract Documents; and

2. those drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) that Engineer has used in preparing the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their Related Entities with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions, or information.

4.03 *Differing Subsurface or Physical Conditions*

A. *Notice:* If Contractor believes that any subsurface or physical condition at or contiguous to the Site that is uncovered or revealed either:

1. is of such a nature as to establish that any "technical data" on which Contractor is entitled to rely as provided in Paragraph 4.02 is materially inaccurate; or

2. is of such a nature as to require a change in the Contract Documents; or

3. differs materially from that shown or indicated in the Contract Documents; or

4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except as aforesaid) until receipt of written order to do so.

B. *Engineer's Review:* After receipt of written notice as required by Paragraph 4.03.A, Engineer will promptly review the pertinent condition, determine the necessity of Owner's obtaining additional exploration or tests with respect thereto, and advise Owner in writing (with a copy to Contractor) of Engineer's findings and conclusions.

C. Possible Price and Times Adjustments

1. The Contract Price or the Contract Times, or both, will be equitably adjusted to the extent that the existence of such differing subsurface or physical condition causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

a. such condition must meet any one or more of the categories described in Paragraph 4.03.A; and

b. with respect to Work that is paid for on a Unit Price Basis, any adjustment in Contract Price will be subject to the provisions of Paragraphs 9.07 and 11.03.

2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if:

a. Contractor knew of the existence of such conditions at the time Contractor made a final commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract; or

b. the existence of such condition could reasonably have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such final commitment; or

c. Contractor failed to give the written notice as required by Paragraph 4.03.A.

3. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, a Claim may be made therefor as provided in Paragraph 10.05. However, Owner and Engineer, and any of their Related Entities shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

4.04 *Underground Facilities*

A. *Shown or Indicated:* The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:

1. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data; and

2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:

a. reviewing and checking all such information and data,

b. locating all Underground Facilities shown or indicated in the Contract Documents,

c. coordination of the Work with the owners of such Underground Facilities, including Owner, during construction, and

d. the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

B. *Not Shown or Indicated*

1. If an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents, Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer. Engineer will

promptly review the Underground Facility and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the consequences of the existence or location of the Underground Facility. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

2. If Engineer concludes that a change in the Contract Documents is required, a Work Change Directive or a Change Order will be issued to reflect and document such consequences. An equitable adjustment shall be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the existence or location of any Underground Facility that was not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment in Contract Price or Contract Times, Owner or Contractor may make a Claim therefor as provided in Paragraph 10.05.

4.05 *Reference Points*

A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.06 *Hazardous Environmental Condition at Site*

A. *Reports and Drawings:* Reference is made to the Supplementary Conditions for the identification of those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that have been utilized by the Engineer in the preparation of the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their Related Entities with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions or information.

C. Contractor shall not be responsible for any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work. Contractor shall be responsible for a Hazardous Environmental Condition created with any materials brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible.

D. If Contractor encounters a Hazardous Environmental Condition or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 6.16.A); and (iii) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any.

E. Contractor shall not be required to resume Work in connection with such condition or in any affected area until after Owner has obtained any required permits related thereto and delivered to Contractor written notice: (i) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work; or (ii) specifying any special conditions under which such Work may be resumed safely. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, either party may make a Claim therefor as provided in Paragraph 10.05.

F. If after receipt of such written notice Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work. If Owner and Contractor cannot agree as to

entitlement to or on the amount or extent, if any, of an adjustment in Contract Price or Contract Times as a result of deleting such portion of the Work, then either party may make a Claim therefor as provided in Paragraph 10.05. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 7.

G. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition: (i) was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be included within the scope of the Work, and (ii) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06. G shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

H. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06.H shall obligate Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

I. The provisions of Paragraphs 4.02, 4.03, and 4.04 do not apply to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 5 - BONDS AND INSURANCE

5.01 *Performance, Payment, and Other Bonds*

A. Contractor shall furnish performance and payment bonds, each in an amount at least equal to the Contract Price as security for the faithful performance and payment of all of Contractor's obligations under the Contract Documents. These bonds shall remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified

in Paragraph 13.07, whichever is later, except as provided otherwise by Laws or Regulations or by the Contract Documents. Contractor shall also furnish such other bonds as are required by the Contract Documents.

B. All bonds shall be in the form prescribed by the Contract Documents except as provided otherwise by Laws or Regulations, and shall be executed by such sureties as are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. All bonds signed by an agent must be accompanied by a certified copy of the agent's authority to act.

C. If the surety on any bond furnished by Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of Paragraph 5.01.B, Contractor shall promptly notify Owner and Engineer and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which shall comply with the requirements of Paragraphs 5.01.B and 5.02.

5.02 *Licensed Sureties and Insurers*

A. All bonds and insurance required by the Contract Documents to be purchased and maintained by Owner or Contractor shall be obtained from surety or insurance companies that are duly licensed or authorized in the jurisdiction in which the Project is located to issue bonds or insurance policies for the limits and coverages so required. Such surety and insurance companies shall also meet such additional requirements and qualifications as may be provided in the Supplementary Conditions.

5.03 *Certificates of Insurance*

A. Contractor shall deliver to Owner, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Owner or any other additional insured) which Contractor is required to purchase and maintain.

B. Owner shall deliver to Contractor, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Contractor or any other additional insured) which Owner is required to purchase and maintain.

5.04 *Contractor's Liability Insurance*

A. Contractor shall purchase and maintain such liability and other insurance as is appropriate for the Work being performed and as will provide protection

from claims set forth below which may arise out of or result from Contractor's performance of the Work and Contractor's other obligations under the Contract Documents, whether it is to be performed by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable:

1. claims under workers' compensation, disability benefits, and other similar employee benefit acts;

2. claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees;

3. claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;

4. claims for damages insured by reasonably available personal injury liability coverage which are sustained:

a. by any person as a result of an offense directly or indirectly related to the employment of such person by Contractor, or

b. by any other person for any other reason;

5. claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom; and

6. claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.

B. The policies of insurance required by this Paragraph 5.04 shall:

1. with respect to insurance required by Paragraphs 5.04.A.3 through 5.04.A.6 inclusive, include as additional insured (subject to any customary exclusion regarding professional liability) Owner and Engineer, and any other individuals or entities identified in the Supplementary Conditions, all of whom shall be listed as additional insureds, and include coverage for the respective officers, directors, partners, employees, agents, consultants and subcontractors of each and any of all such additional insureds, and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby;

2. include at least the specific coverages and be written for not less than the limits of liability provided in the Supplementary Conditions or required by Laws or Regulations, whichever is greater;

3. include completed operations insurance;

4. include contractual liability insurance covering Contractor's indemnity obligations under Paragraphs 6.11 and 6.20;

5. contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured identified in the Supplementary Conditions to whom a certificate of insurance has been issued (and the certificates of insurance furnished by the Contractor pursuant to Paragraph 5.03 will so provide);

6. remain in effect at least until final payment and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work in accordance with Paragraph 13.07; and

7. with respect to completed operations insurance, and any insurance coverage written on a claims-made basis, remain in effect for at least two years after final payment.

a. Contractor shall furnish Owner and each other additional insured identified in the Supplementary Conditions, to whom a certificate of insurance has been issued, evidence satisfactory to Owner and any such additional insured of continuation of such insurance at final payment and one year thereafter.

5.05 *Owner's Liability Insurance*

A. In addition to the insurance required to be provided by Contractor under Paragraph 5.04, Owner, at Owner's option, may purchase and maintain at Owner's expense Owner's own liability insurance as will protect Owner against claims which may arise from operations under the Contract Documents.

5.06 *Property Insurance*

A. Unless otherwise provided in the Supplementary Conditions, Owner shall purchase and maintain property insurance upon the Work at the Site in the amount of the full replacement cost thereof (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). This insurance shall:

1. include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured;

2. be written on a Builder's Risk "all-risk" or open peril or special causes of loss policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, false work, and materials and equipment in transit, and shall insure against at least the following perils or causes of loss: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage, (other than caused by flood) and such other perils or causes of loss as may be specifically required by the Supplementary Conditions;

3. include expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects);

4. cover materials and equipment stored at the Site or at another location that was agreed to in writing by Owner prior to being incorporated in the Work, provided that such materials and equipment have been included in an Application for Payment recommended by Engineer;

5. allow for partial utilization of the Work by Owner;

6. include testing and startup; and

7. be maintained in effect until final payment is made unless otherwise agreed to in writing by Owner, Contractor, and Engineer with 30 days written notice to each other additional insured to whom a certificate of insurance has been issued.

B. Owner shall purchase and maintain such boiler and machinery insurance or additional property insurance as may be required by the Supplementary Conditions or Laws and Regulations which will include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured.

C. All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with Paragraph 5.06 will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured to whom a certificate of insurance has been issued and will contain waiver provisions in accordance with Paragraph 5.07.

D. Owner shall not be responsible for purchasing and maintaining any property insurance specified in this Paragraph 5.06 to protect the interests of Contractor, Subcontractors, or others in the Work to the extent of any

deductible amounts that are identified in the Supplementary Conditions. The risk of loss within such identified deductible amount will be borne by Contractor, Subcontractors, or others suffering any such loss, and if any of them wishes property insurance coverage within the limits of such amounts, each may purchase and maintain it at the purchaser's own expense.

E. If Contractor requests in writing that other special insurance be included in the property insurance policies provided under Paragraph 5.06, Owner shall, if possible, include such insurance, and the cost thereof will be charged to Contractor by appropriate Change Order. Prior to commencement of the Work at the Site, Owner shall in writing advise Contractor whether or not such other insurance has been procured by Owner.

5.07 *Waiver of Rights*

A. Owner and Contractor intend that all policies purchased in accordance with Paragraph 5.06 will protect Owner, Contractor, Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) in such policies and will provide primary coverage for all losses and damages caused by the perils or causes of loss covered thereby. All such policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any of the insureds or additional insureds thereunder. Owner and Contractor waive all rights against each other and their respective officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them for all losses and damages caused by, arising out of or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insured or additional insured (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) under such policies for losses and damages so caused. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by Owner as trustee or otherwise payable under any policy so issued.

B. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them for:

1. loss due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other perils whether or not insured by Owner; and

2. loss or damage to the completed Project or part thereof caused by, arising out of, or resulting from fire or other insured peril or cause of loss covered by any property insurance maintained on the completed Project or part thereof by Owner during partial utilization pursuant to Paragraph 14.05, after Substantial Completion pursuant to Paragraph 14.04, or after final payment pursuant to Paragraph 14.07.

C. Any insurance policy maintained by Owner covering any loss, damage or consequential loss referred to in Paragraph 5.07.B shall contain provisions to the effect that in the event of payment of any such loss, damage, or consequential loss, the insurers will have no rights of recovery against Contractor, Subcontractors, or Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them.

5.08 *Receipt and Application of Insurance Proceeds*

A. Any insured loss under the policies of insurance required by Paragraph 5.06 will be adjusted with Owner and made payable to Owner as fiduciary for the insureds, as their interests may appear, subject to the requirements of any applicable mortgage clause and of Paragraph 5.08.B. Owner shall deposit in a separate account any money so received and shall distribute it in accordance with such agreement as the parties in interest may reach. If no other special agreement is reached, the damaged Work shall be repaired or replaced, the moneys so received applied on account thereof, and the Work and the cost thereof covered by an appropriate Change Order.

B. Owner as fiduciary shall have power to adjust and settle any loss with the insurers unless one of the parties in interest shall object in writing within 15 days after the occurrence of loss to Owner's exercise of this power. If such objection be made, Owner as fiduciary shall make settlement with the insurers in accordance with such agreement as the parties in interest may reach. If no such agreement among the parties in interest is reached, Owner as fiduciary shall adjust and settle the loss with the insurers and, if required in writing by any party in interest, Owner as fiduciary shall give bond for the proper performance of such duties.

5.09 *Acceptance of Bonds and Insurance; Option to Replace*

A. If either Owner or Contractor has any objection to the coverage afforded by or other provisions of the bonds or insurance required to be purchased and maintained by the other party in accordance with Article 5 on the basis of non-conformance with the Contract

Documents, the objecting party shall so notify the other party in writing within 10 days after receipt of the certificates (or other evidence requested) required by Paragraph 2.01.B. Owner and Contractor shall each provide to the other such additional information in respect of insurance provided as the other may reasonably request. If either party does not purchase or maintain all of the bonds and insurance required of such party by the Contract Documents, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage. Without prejudice to any other right or remedy, the other party may elect to obtain equivalent bonds or insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and a Change Order shall be issued to adjust the Contract Price accordingly.

5.10 *Partial Utilization, Acknowledgment of Property Insurer*

A. If Owner finds it necessary to occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work as provided in Paragraph 14.05, no such use or occupancy shall commence before the insurers providing the property insurance pursuant to Paragraph 5.06 have acknowledged notice thereof and in writing effected any changes in coverage necessitated thereby. The insurers providing the property insurance shall consent by endorsement on the policy or policies, but the property insurance shall not be canceled or permitted to lapse on account of any such partial use or occupancy.

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

6.01 *Supervision and Superintendence*

A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction. Contractor shall not be responsible for the negligence of Owner or Engineer in the design or specification of a specific means, method, technique, sequence, or procedure of construction which is shown or indicated in and expressly required by the Contract Documents.

B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who shall not be replaced without written notice to Owner and Engineer except under extraordinary circumstances. The superintendent will be Contractor's representative at the Site and shall have authority to act on behalf of Contractor. All communications given to or

received from the superintendent shall be binding on Contractor.

6.02 *Labor; Working Hours*

A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the Site.

B. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed during regular working hours. Contractor will not permit the performance of Work on a Saturday, Sunday, or any legal holiday without Owner's written consent (which will not be unreasonably withheld) given after prior written notice to Engineer.

6.03 *Services, Materials, and Equipment*

A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start-up, and completion of the Work.

B. All materials and equipment incorporated into the Work shall be as specified or, if not specified, shall be of good quality and new, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications shall expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.

C. All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

6.04 *Progress Schedule*

A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.07 as it may be adjusted from time to time as provided below.

1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.07) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times. Such adjustments will comply with any provisions of the General Requirements applicable thereto.

2. Proposed adjustments in the Progress Schedule that will change the Contract Times shall be submitted in accordance with the requirements of Article 12. Adjustments in Contract Times may only be made by a Change Order.

6.05 *Substitutes and "Or-Equals"*

A. Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or-equal" item or no substitution is permitted, other items of material or equipment or material or equipment of other Suppliers may be submitted to Engineer for review under the circumstances described below.

1. *"Or-Equal" Items:* If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements for approval of proposed substitute items. For the purposes of this Paragraph 6.05.A.1, a proposed item of material or equipment will be considered functionally equal to an item so named if:

a. in the exercise of reasonable judgment Engineer determines that:

1) it is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;

2) it will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole,

3) it has a proven record of performance and availability of responsive service; and

b. Contractor certifies that, if approved and incorporated into the Work:

1) there will be no increase in cost to the Owner or increase in Contract Times, and

2) it will conform substantially to the detailed requirements of the item named in the Contract Documents.

2. Substitute Items

a. If in Engineer's sole discretion an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item under Paragraph 6.05.A.1, it will be considered a proposed substitute item.

b. Contractor shall submit sufficient information as provided below to allow Engineer to determine that the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor.

c. The requirements for review by Engineer will be as set forth in Paragraph 6.05.A.2.d, as supplemented in the General Requirements and as Engineer may decide is appropriate under the circumstances.

d. Contractor shall make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application:

1) shall certify that the proposed substitute item will:

a) perform adequately the functions and achieve the results called for by the general design,

b) be similar in substance to that specified, and

c) be suited to the same use as that specified;

2) will state:

a) the extent, if any, to which the use of the proposed substitute item will prejudice Contractor's achievement of Substantial Completion on time;

b) whether or not use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item; and

c) whether or not incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty;

3) will identify:

a) all variations of the proposed substitute item from that specified, and

b) available engineering, sales, maintenance, repair, and replacement services;

4) and shall contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including costs of redesign and claims of other contractors affected by any resulting change,

B. Substitute Construction Methods or Procedures: If a specific means, method, technique, sequence, or procedure of construction is expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence, or procedure of construction approved by Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The requirements for review by Engineer will be similar to those provided in Paragraph 6.05.A.2.

C. Engineer's Evaluation: Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made pursuant to Paragraphs 6.05.A and 6.05.B. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No "or equal" or substitute will be ordered, installed or utilized until Engineer's review is complete, which will be evidenced by either a Change Order for a substitute or an approved Shop Drawing for an "or equal." Engineer will advise Contractor in writing of any negative determination.

D. Special Guarantee: Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.

E. Engineer's Cost Reimbursement: Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor pursuant to Paragraphs 6.05.A.2 and 6.05.B. Whether or not Engineer approves a substitute item so proposed or submitted by Contractor, Contractor shall reimburse Owner for the charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the charges of Engineer for making changes in the Contract

Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.

F. Contractor's Expense: Contractor shall provide all data in support of any proposed substitute or "or-equal" at Contractor's expense.

6.06 Concerning Subcontractors, Suppliers, and Others

A. Contractor shall not employ any Subcontractor, Supplier, or other individual or entity (including those acceptable to Owner as indicated in Paragraph 6.06.B), whether initially or as a replacement, against whom Owner may have reasonable objection. Contractor shall not be required to employ any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work against whom Contractor has reasonable objection.

B. If the Supplementary Conditions require the identity of certain Subcontractors, Suppliers, or other individuals or entities to be submitted to Owner in advance for acceptance by Owner by a specified date prior to the Effective Date of the Agreement, and if Contractor has submitted a list thereof in accordance with the Supplementary Conditions, Owner's acceptance (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Bidding Documents or the Contract Documents) of any such Subcontractor, Supplier, or other individual or entity so identified may be revoked on the basis of reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity, and the Contract Price will be adjusted by the difference in the cost occasioned by such replacement, and an appropriate Change Order will be issued. No acceptance by Owner of any such Subcontractor, Supplier, or other individual or entity, whether initially or as a replacement, shall constitute a waiver of any right of Owner or Engineer to reject defective Work.

C. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions. Nothing in the Contract Documents:

1. shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier or other individual or entity, nor

2. shall anything in the Contract Documents create any obligation on the part of Owner or Engineer to pay or to see to the payment of any moneys due any such Subcontractor, Supplier, or other individual

or entity except as may otherwise be required by Laws and Regulations.

D. Contractor shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work under a direct or indirect contract with Contractor.

E. Contractor shall require all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work to communicate with Engineer through Contractor.

F. The divisions and sections of the Specifications and the identifications of any Drawings shall not control Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.

G. All Work performed for Contractor by a Subcontractor or Supplier will be pursuant to an appropriate agreement between Contractor and the Subcontractor or Supplier which specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer. Whenever any such agreement is with a Subcontractor or Supplier who is listed as an additional insured on the property insurance provided in Paragraph 5.06, the agreement between the Contractor and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against Owner, Contractor, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) for all losses and damages caused by, arising out of, relating to, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, Contractor will obtain the same.

6.07 *Patent Fees and Royalties*

A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if to the actual knowledge of Owner or Engineer its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by Owner in the Contract Documents.

B. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

6.08 *Permits*

A. Unless otherwise provided in the Supplementary Conditions, Contractor shall obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of opening of Bids, or, if there are no Bids, on the Effective Date of the Agreement. Owner shall pay all charges of utility owners for connections for providing permanent service to the Work.

6.09 *Laws and Regulations*

A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.

B. If Contractor performs any Work knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work. However, it shall not be Contractor's primary responsibility to make certain that the Specifications and Drawings are in accordance with Laws and Regulations, but this shall not relieve Contractor of Contractor's obligations under Paragraph 3.03.

C. Changes in Laws or Regulations not known at the time of opening of Bids (or, on the Effective Date of the Agreement if there were no Bids) having an effect on the cost or time of performance of the Work shall be the subject of an adjustment in Contract Price or Contract Times. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

6.10 *Taxes*

A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

6.11 *Use of Site and Other Areas*

A. Limitation on Use of Site and Other Areas

1. Contractor shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the Site and other areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and other areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or of any adjacent land or areas resulting from the performance of the Work.

2. Should any claim be made by any such owner or occupant because of the performance of the Work, Contractor shall promptly settle with such other party by negotiation or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law.

3. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused by or based upon Contractor's performance of the Work.

B. Removal of Debris During Performance of the Work: During the progress of the Work Contractor shall keep the Site and other areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris shall conform to applicable Laws and Regulations.

C. Cleaning: Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.

D. Loading Structures: Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

6.12 *Record Documents*

A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, and written interpretations and clarifications in good order and annotated to show changes made during construction. These record documents together with all approved Samples and a counterpart of all approved Shop Drawings will be available to Engineer for reference. Upon completion of the Work, these record documents, Samples, and Shop Drawings will be delivered to Engineer for Owner.

6.13 *Safety and Protection*

A. Contractor shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

1. all persons on the Site or who may be affected by the Work;

2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and

3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.

B. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify owners of adjacent property and of Underground Facilities and other utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property.

C. All damage, injury, or loss to any property referred to in Paragraph 6.13.A.2 or 6.13.A.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor (except damage or loss attributable to the fault of Draw-

ings or Specifications or to the acts or omissions of Owner or Engineer or , or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).

D. Contractor's duties and responsibilities for safety and for protection of the Work shall continue until such time as all the Work is completed and Engineer has issued a notice to Owner and Contractor in accordance with Paragraph 14.07.B that the Work is acceptable (except as otherwise expressly provided in connection with Substantial Completion).

6.14 *Safety Representative*

A. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

6.15 *Hazard Communication Programs*

A. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

6.16 *Emergencies*

A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent threatened damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

6.17 *Shop Drawings and Samples*

A. Contractor shall submit Shop Drawings and Samples to Engineer for review and approval in accordance with the acceptable Schedule of Submittals (as required by Paragraph 2.07). Each submittal will be identified as Engineer may require.

1. Shop Drawings

a. Submit number of copies specified in the General Requirements.

b. Data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide and to enable Engineer to review the information for the limited purposes required by Paragraph 6.17.D.

2. *Samples*: Contractor shall also submit Samples to Engineer for review and approval in accordance with the acceptable schedule of Shop Drawings and Sample submittals.

a. Submit number of Samples specified in the Specifications.

b. Clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the submittal for the limited purposes required by Paragraph 6.17.D.

B. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals , any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

C. Submittal Procedures

1. Before submitting each Shop Drawing or Sample, Contractor shall have determined and verified:

a. all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto;

b. the suitability of all materials with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work;

c. all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto; and

d. shall also have reviewed and coordinated each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents.

2. Each submittal shall bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents

with respect to Contractor's review and approval of that submittal.

3. With each submittal, Contractor shall give Engineer specific written notice of any variations, that the Shop Drawing or Sample may have from the requirements of the Contract Documents. This notice shall be both a written communication separate from the Shop Drawing's or Sample Submittal; and, in addition, by a specific notation made on each Shop Drawing or Sample submitted to Engineer for review and approval of each such variation.

D. Engineer's Review

1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the Schedule of Submittals acceptable to Engineer. Engineer's review and approval will be only to determine if the items covered by the submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.

2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction (except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the Contract Documents) or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.

3. Engineer's review and approval shall not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 6.17.C.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer's review and approval shall not relieve Contractor from responsibility for complying with the requirements of Paragraph 6.17.C.1.

E. Resubmittal Procedures

1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.

6.18 Continuing the Work

A. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or

disagreements with Owner. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, except as permitted by Paragraph 15.04 or as Owner and Contractor may otherwise agree in writing.

6.19 Contractor's General Warranty and Guarantee

A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its Related Entities shall be entitled to rely on representation of Contractor's warranty and guarantee.

B. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:

1. abuse, modification, or improper maintenance or operation by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or

2. normal wear and tear under normal usage.

C. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:

1. observations by Engineer;

2. recommendation by Engineer or payment by Owner of any progress or final payment;

3. the issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;

4. use or occupancy of the Work or any part thereof by Owner;

5. any review and approval of a Shop Drawing or Sample submittal or the issuance of a notice of acceptability by Engineer;

6. any inspection, test, or approval by others; or

7. any correction of defective Work by Owner.

6.20 Indemnification

A. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or

arbitration or other dispute resolution costs) arising out of or relating to the performance of the Work, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work or anyone for whose acts any of them may be liable .

B. In any and all claims against Owner or Engineer or any of their respective consultants, agents, officers, directors, partners, or employees by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 6.20.A shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

C. The indemnification obligations of Contractor under Paragraph 6.20.A shall not extend to the liability of Engineer and Engineer's officers, directors, partners, employees, agents, consultants and subcontractors arising out of:

1. the preparation or approval of, or the failure to prepare or approve, maps, Drawings, opinions, reports, surveys, Change Orders, designs, or Specifications; or
2. giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage.

6.21 *Delegation of Professional Design Services*

A. Contractor will not be required to provide professional design services unless such services are specifically required by the Contract Documents for a portion of the Work or unless such services are required to carry out Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable law.

B. If professional design services or certifications by a design professional related to systems, materials or equipment are specifically required of Contractor by the Contract Documents, Owner and Engineer will specify all performance and design criteria that such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly licensed professional, whose signature and seal

shall appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to Engineer.

C. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals, provided Owner and Engineer have specified to Contractor all performance and design criteria that such services must satisfy.

D. Pursuant to this Paragraph 6.21, Engineer's review and approval of design calculations and design drawings will be only for the limited purpose of checking for conformance with performance and design criteria given and the design concept expressed in the Contract Documents. Engineer's review and approval of Shop Drawings and other submittals (except design calculations and design drawings) will be only for the purpose stated in Paragraph 6.17.D.1.

E. Contractor shall not be responsible for the adequacy of the performance or design criteria required by the Contract Documents.

ARTICLE 7 - OTHER WORK AT THE SITE

7.01 *Related Work at Site*

A. Owner may perform other work related to the Project at the Site with Owner's employees, or via other direct contracts therefor, or have other work performed by utility owners. If such other work is not noted in the Contract Documents, then:

1. written notice thereof will be given to Contractor prior to starting any such other work; and

2. if Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times that should be allowed as a result of such other work, a Claim may be made therefor as provided in Paragraph 10.05.

B. Contractor shall afford each other contractor who is a party to such a direct contract, each utility owner and Owner, if Owner is performing other work with Owner's employees, proper and safe access to the Site, a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work, and shall properly coordinate the Work with theirs. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and

properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering their work and will only cut or alter their work with the written consent of Engineer and the others whose work will be affected. The duties and responsibilities of Contractor under this Paragraph are for the benefit of such utility owners and other contractors to the extent that there are comparable provisions for the benefit of Contractor in said direct contracts between Owner and such utility owners and other contractors.

C. If the proper execution or results of any part of Contractor's Work depends upon work performed by others under this Article 7, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.

7.02 *Coordination*

A. If Owner intends to contract with others for the performance of other work on the Project at the Site, the following will be set forth in Supplementary Conditions:

1. the individual or entity who will have authority and responsibility for coordination of the activities among the various contractors will be identified;

2. the specific matters to be covered by such authority and responsibility will be itemized; and

3. the extent of such authority and responsibilities will be provided.

B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

7.03 *Legal Relationships*

A. Paragraphs 7.01.A and 7.02 are not applicable for utilities not under the control of Owner.

B. Each other direct contract of Owner under Paragraph 7.01.A shall provide that the other contractor is liable to Owner and Contractor for the reasonable direct delay and disruption costs incurred by Contractor as a result of the other contractor's actions or inactions.

C. Contractor shall be liable to Owner and any other contractor for the reasonable direct delay and disruption costs incurred by such other contractor as a result of Contractor's action or inactions.

ARTICLE 8 - OWNER'S RESPONSIBILITIES

8.01 *Communications to Contractor*

A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

8.02 *Replacement of Engineer*

A. In case of termination of the employment of Engineer, Owner shall appoint an engineer to whom Contractor makes no reasonable objection, whose status under the Contract Documents shall be that of the former Engineer.

8.03 *Furnish Data*

A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

8.04 *Pay When Due*

A. Owner shall make payments to Contractor when they are due as provided in Paragraphs 14.02.C and 14.07.C.

8.05 *Lands and Easements; Reports and Tests*

A. Owner's duties in respect of providing lands and easements and providing engineering surveys to establish reference points are set forth in Paragraphs 4.01 and 4.05. Paragraph 4.02 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of subsurface conditions and drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site that have been utilized by Engineer in preparing the Contract Documents.

8.06 *Insurance*

A. Owner's responsibilities, if any, in respect to purchasing and maintaining liability and property insurance are set forth in Article 5.

8.07 *Change Orders*

A. Owner is obligated to execute Change Orders as indicated in Paragraph 10.03.

8.08 *Inspections, Tests, and Approvals*

A. Owner's responsibility in respect to certain inspections, tests, and approvals is set forth in Paragraph 13.03.B.

8.09 *Limitations on Owner's Responsibilities*

A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

8.10 *Undisclosed Hazardous Environmental Condition*

A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 4.06.

8.11 *Evidence of Financial Arrangements*

A. If and to the extent Owner has agreed to furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract Documents, Owner's responsibility in respect thereof will be as set forth in the Supplementary Conditions.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION

9.01 *Owner's Representative*

A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract Documents and will not be changed without written consent of Owner and Engineer.

9.02 *Visits to Site*

A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep

Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 9.09. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

9.03 *Project Representative*

A. If Owner and Engineer agree, Engineer will furnish a Resident Project Representative to assist Engineer in providing more extensive observation of the Work. The authority and responsibilities of any such Resident Project Representative and assistants will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in Paragraph 9.09. If Owner designates another representative or agent to represent Owner at the Site who is not Engineer's consultant, agent or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in the Supplementary Conditions.

9.04 *Authorized Variations in Work*

A. Engineer may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. These may be accomplished by a Field Order and will be binding on Owner and also on Contractor, who shall perform the Work involved promptly. If Owner or Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, or both, and the parties are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

9.05 *Rejecting Defective Work*

A. Engineer will have authority to reject Work which Engineer believes to be defective, or that Engineer believes will not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Engineer will also have authority to require special inspection or testing of the Work as provided in Paragraph 13.04, whether or not the Work is fabricated, installed, or completed.

9.06 *Shop Drawings, Change Orders and Payments*

A. In connection with Engineer's authority, and limitations thereof, as to Shop Drawings and Samples, see Paragraph 6.17.

B. In connection with Engineer's authority, and limitations thereof, as to design calculations and design drawings submitted in response to a delegation of professional design services, if any, see Paragraph 6.21.

C. In connection with Engineer's authority as to Change Orders, see Articles 10, 11, and 12.

D. In connection with Engineer's authority as to Applications for Payment, see Article 14.

9.07 *Determinations for Unit Price Work*

A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, subject to the provisions of Paragraph 10.05.

9.08 *Decisions on Requirements of Contract Documents and Acceptability of Work*

A. Engineer will be the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the Work thereunder. All matters in question and other matters between Owner and Contractor arising prior to the date final payment is due relating to the acceptability of the Work, and the interpretation of the requirements of the Contract Documents pertaining to the performance of the Work, will be referred initially to Engineer in writing within 30 days of the event giving rise to the question

B. Engineer will, with reasonable promptness, render a written decision on the issue referred. If Owner or Contractor believe that any such decision entitles them to an adjustment in the Contract Price or Contract Times or both, a Claim may be made under Paragraph 10.05. The date of Engineer's decision shall be the date of the event giving rise to the issues referenced for the purposes of Paragraph 10.05.B.

C. Engineer's written decision on the issue referred will be final and binding on Owner and Contractor, subject to the provisions of Paragraph 10.05.

D. When functioning as interpreter and judge under this Paragraph 9.08, Engineer will not show

partiality to Owner or Contractor and will not be liable in connection with any interpretation or decision rendered in good faith in such capacity.

9.09 *Limitations on Engineer's Authority and Responsibilities*

A. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract Documents nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.

B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.

D. Engineer's review of the final Application for Payment and accompanying documentation and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Paragraph 14.07.A will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals that the results certified indicate compliance with the Contract Documents.

E. The limitations upon authority and responsibility set forth in this Paragraph 9.09 shall also apply to, the Resident Project Representative, if any, and assistants, if any.

ARTICLE 10 - CHANGES IN THE WORK; CLAIMS

10.01 *Authorized Changes in the Work*

A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work by a Change Order, or a Work Change Directive. Upon receipt of any such document, Contractor shall

promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

B. If Owner and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of a Work Change Directive, a Claim may be made therefor as provided in Paragraph 10.05.

10.02 *Unauthorized Changes in the Work*

A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents as amended, modified, or supplemented as provided in Paragraph 3.04, except in the case of an emergency as provided in Paragraph 6.16 or in the case of uncovering Work as provided in Paragraph 13.04.B.

10.03 *Execution of Change Orders*

A. Owner and Contractor shall execute appropriate Change Orders recommended by Engineer covering:

1. changes in the Work which are: (i) ordered by Owner pursuant to Paragraph 10.01.A, (ii) required because of acceptance of defective Work under Paragraph 13.08.A or Owner's correction of defective Work under Paragraph 13.09, or (iii) agreed to by the parties;

2. changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive; and

3. changes in the Contract Price or Contract Times which embody the substance of any written decision rendered by Engineer pursuant to Paragraph 10.05; provided that, in lieu of executing any such Change Order, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable Laws and Regulations, but during any such appeal, Contractor shall carry on the Work and adhere to the Progress Schedule as provided in Paragraph 6.18.A.

10.04 *Notification to Surety*

A. If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times) is required by the provisions of any bond to be given to a surety, the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

10.05 *Claims*

A. *Engineer's Decision Required:* All Claims, except those waived pursuant to Paragraph 14.09, shall be referred to the Engineer for decision. A decision by Engineer shall be required as a condition precedent to any exercise by Owner or Contractor of any rights or remedies either may otherwise have under the Contract Documents or by Laws and Regulations in respect of such Claims.

B. *Notice:* Written notice stating the general nature of each Claim, shall be delivered by the claimant to Engineer and the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto. The responsibility to substantiate a Claim shall rest with the party making the Claim. Notice of the amount or extent of the Claim, with supporting data shall be delivered to the Engineer and the other party to the Contract within 60 days after the start of such event (unless Engineer allows additional time for claimant to submit additional or more accurate data in support of such Claim). A Claim for an adjustment in Contract Price shall be prepared in accordance with the provisions of Paragraph 12.01.B. A Claim for an adjustment in Contract Time shall be prepared in accordance with the provisions of Paragraph 12.02.B. Each Claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to Engineer and the claimant within 30 days after receipt of the claimant's last submittal (unless Engineer allows additional time).

C. *Engineer's Action:* Engineer will review each Claim and, within 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any, take one of the following actions in writing:

1. deny the Claim in whole or in part,

2. approve the Claim, or

3. notify the parties that the Engineer is unable to resolve the Claim if, in the Engineer's sole discretion, it would be inappropriate for the Engineer to do so. For purposes of further resolution of the Claim, such notice shall be deemed a denial.

D. In the event that Engineer does not take action on a Claim within said 30 days, the Claim shall be deemed denied.

E. Engineer's written action under Paragraph 10.05.C or denial pursuant to Paragraphs 10.05.C.3 or 10.05.D will be final and binding upon Owner and Contractor, unless Owner or Contractor invoke the dispute resolution procedure set forth in Article 16 within 30 days of such action or denial.

F. No Claim for an adjustment in Contract Price or Contract Times will be valid if not submitted in accordance with this Paragraph 10.05.

ARTICLE 11 - COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

11.01 *Cost of the Work*

A. *Costs Included:* The term Cost of the Work means the sum of all costs, except those excluded in Paragraph 11.01.B, necessarily incurred and paid by Contractor in the proper performance of the Work. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, the costs to be reimbursed to Contractor will be only those additional or incremental costs required because of the change in the Work or because of the event giving rise to the Claim. Except as otherwise may be agreed to in writing by Owner, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall include only the following items, and shall not include any of the costs itemized in Paragraph 11.01.B.

1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor. Such employees shall include, without limitation, superintendents, foremen, and other personnel employed full time at the Site. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits, which shall include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, shall be included in the above to the extent authorized by Owner.

2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts shall accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts shall accrue to Owner. All trade discounts, rebates and refunds and returns from sale of surplus materials and equipment shall accrue to Owner, and Contractor shall make provisions so that they may be obtained.

3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and

Contractor and shall deliver such bids to Owner, who will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee shall be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 11.01.

4. Costs of special consultants (including but not limited to Engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed for services specifically related to the Work.

5. Supplemental costs including the following:

a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.

b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, and hand tools not owned by the workers, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.

c. Rentals of all construction equipment and machinery, and the parts thereof whether rented from Contractor or others in accordance with rental agreements approved by Owner with the advice of Engineer, and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs shall be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the Work.

d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, imposed by Laws and Regulations.

e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.

f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work (except losses and damages within the deductible amounts of property insurance established in accordance with Paragraph 5.06.D), provided such losses and damages have

resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses shall be included in the Cost of the Work for the purpose of determining Contractor's fee.

g. The cost of utilities, fuel, and sanitary facilities at the Site.

h. Minor expenses such as telegrams, long distance telephone calls, telephone service at the Site, expresses, and similar petty cash items in connection with the Work.

i. The costs of premiums for all bonds and insurance Contractor is required by the Contract Documents to purchase and maintain.

B. Costs Excluded: The term Cost of the Work shall not include any of the following items:

1. Payroll costs and other compensation of Contractor's officers, executives, principals (of partnerships and sole proprietorships), general managers, safety managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 11.01.A.1 or specifically covered by Paragraph 11.01.A.4, all of which are to be considered administrative costs covered by the Contractor's fee.

2. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.

3. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.

4. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.

5. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraphs 11.01.A and 11.01.B.

C. Contractor's Fee: When all the Work is performed on the basis of cost-plus, Contractor's fee shall

be determined as set forth in the Agreement. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, Contractor's fee shall be determined as set forth in Paragraph 12.01.C.

D. Documentation: Whenever the Cost of the Work for any purpose is to be determined pursuant to Paragraphs 11.01.A and 11.01.B, Contractor will establish and maintain records thereof in accordance with generally accepted accounting practices and submit in a form acceptable to Engineer an itemized cost breakdown together with supporting data.

11.02 Allowances

A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.

B. Cash Allowances

1. Contractor agrees that:

a. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and

b. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment on account of any of the foregoing will be valid.

C. Contingency Allowance

1. Contractor agrees that a contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.

D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

11.03 Unit Price Work

A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.

B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by Contractor will be made by Engineer subject to the provisions of Paragraph 9.07.

C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.

D. Owner or Contractor may make a Claim for an adjustment in the Contract Price in accordance with Paragraph 10.05 if:

1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and

2. there is no corresponding adjustment with respect any other item of Work; and

3. Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or Owner believes that Owner is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease.

ARTICLE 12 - CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

12.01 *Change of Contract Price*

A. The Contract Price may only be changed by a Change Order. Any Claim for an adjustment in the Contract Price shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.

B. The value of any Work covered by a Change Order or of any Claim for an adjustment in the Contract Price will be determined as follows:

1. where the Work involved is covered by unit prices contained in the Contract Documents, by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 11.03); or

2. where the Work involved is not covered by unit prices contained in the Contract Documents, by a mutually agreed lump sum (which may include an

allowance for overhead and profit not necessarily in accordance with Paragraph 12.01.C.2); or

3. where the Work involved is not covered by unit prices contained in the Contract Documents and agreement to a lump sum is not reached under Paragraph 12.01.B.2, on the basis of the Cost of the Work (determined as provided in Paragraph 11.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 12.01.C).

C. *Contractor's Fee:* The Contractor's fee for overhead and profit shall be determined as follows:

1. a mutually acceptable fixed fee; or

2. if a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:

a. for costs incurred under Paragraphs 11.01.A.1 and 11.01.A.2, the Contractor's fee shall be 15 percent;

b. for costs incurred under Paragraph 11.01.A.3, the Contractor's fee shall be five percent;

c. where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraph 12.01.C.2.a is that the Subcontractor who actually performs the Work, at whatever tier, will be paid a fee of 15 percent of the costs incurred by such Subcontractor under Paragraphs 11.01.A.1 and 11.01.A.2 and that any higher tier Subcontractor and Contractor will each be paid a fee of five percent of the amount paid to the next lower tier Subcontractor;

d. no fee shall be payable on the basis of costs itemized under Paragraphs 11.01.A.4, 11.01.A.5, and 11.01.B;

e. the amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in cost will be the amount of the actual net decrease in cost plus a deduction in Contractor's fee by an amount equal to five percent of such net decrease; and

f. when both additions and credits are involved in any one change, the adjustment in Contractor's fee shall be computed on the basis of the net change in accordance with Paragraphs 12.01.C.2.a through 12.01.C.2.e, inclusive.

12.02 *Change of Contract Times*

A. The Contract Times may only be changed by a Change Order. Any Claim for an adjustment in the Contract Times shall be based on written notice submitted

by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.

B. Any adjustment of the Contract Times covered by a Change Order or any Claim for an adjustment in the Contract Times will be determined in accordance with the provisions of this Article 12.

12.03 *Delays*

A. Where Contractor is prevented from completing any part of the Work within the Contract Times due to delay beyond the control of Contractor, the Contract Times will be extended in an amount equal to the time lost due to such delay if a Claim is made therefor as provided in Paragraph 12.02.A. Delays beyond the control of Contractor shall include, but not be limited to, acts or neglect by Owner, acts or neglect of utility owners or other contractors performing other work as contemplated by Article 7, fires, floods, epidemics, abnormal weather conditions, or acts of God.

B. If Owner, Engineer, or other contractors or utility owners performing other work for Owner as contemplated by Article 7, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times, or both. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

C. If Contractor is delayed in the performance or progress of the Work by fire, flood, epidemic, abnormal weather conditions, acts of God, acts or failures to act of utility owners not under the control of Owner, or other causes not the fault of and beyond control of Owner and Contractor, then Contractor shall be entitled to an equitable adjustment in Contract Times, if such adjustment is essential to Contractor's ability to complete the Work within the Contract Times. Such an adjustment shall be Contractor's sole and exclusive remedy for the delays described in this Paragraph 12.03.C.

D. Owner, Engineer and the Related Entities of each of them shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of Engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

E. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delays within the control of Contractor. Delays attributable to and within the control of a Subcontractor or Supplier shall be deemed to be delays within the control of Contractor.

ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

13.01 *Notice of Defects*

A. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor. All defective Work may be rejected, corrected, or accepted as provided in this Article 13.

13.02 *Access to Work*

A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and governmental agencies with jurisdictional interests will have access to the Site and the Work at reasonable times for their observation, inspecting, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's Site safety procedures and programs so that they may comply therewith as applicable.

13.03 *Tests and Inspections*

A. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections, tests, or approvals and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.

B. Owner shall employ and pay for the services of an independent testing laboratory to perform all inspections, tests, or approvals required by the Contract Documents except:

1. for inspections, tests, or approvals covered by Paragraphs 13.03.C and 13.03.D below;

2. that costs incurred in connection with tests or inspections conducted pursuant to Paragraph 13.04.B shall be paid as provided in said Paragraph 13.04.C; and

3. as otherwise specifically provided in the Contract Documents.

C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.

D. Contractor shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required for Owner's and Engineer's acceptance of materials or equipment to

be incorporated in the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to Owner and Engineer.

E. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, it must, if requested by Engineer, be uncovered for observation.

F. Uncovering Work as provided in Paragraph 13.03.E shall be at Contractor's expense unless Contractor has given Engineer timely notice of Contractor's intention to cover the same and Engineer has not acted with reasonable promptness in response to such notice.

13.04 *Uncovering Work*

A. If any Work is covered contrary to the written request of Engineer, it must, if requested by Engineer, be uncovered for Engineer's observation and replaced at Contractor's expense.

B. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, furnishing all necessary labor, material, and equipment.

C. If it is found that the uncovered Work is defective, Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05.

D. If, the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.

13.05 *Owner May Stop the Work*

A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

13.06 *Correction or Removal of Defective Work*

A. Promptly after receipt of notice, Contractor shall correct all defective Work, whether or not fabricated, installed, or completed, or, if the Work has been rejected by Engineer, remove it from the Project and replace it with Work that is not defective. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or removal (including but not limited to all costs of repair or replacement of work of others).

B. When correcting defective Work under the terms of this Paragraph 13.06 or Paragraph 13.07, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.

13.07 *Correction Period*

A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents) or by any specific provision of the Contract Documents, any Work is found to be defective, or if the repair of any damages to the land or areas made available for Contractor's use by Owner or permitted by Laws and Regulations as contemplated in Paragraph 6.11.A is found to be defective, Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:

1. repair such defective land or areas; or
2. correct such defective Work; or
3. if the defective Work has been rejected by Owner, remove it from the Project and replace it with Work that is not defective, and
4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others or other land or areas resulting therefrom.

B. If Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others) will be paid by Contractor.

C. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications .

D. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this Paragraph 13.07, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

E. Contractor's obligations under this Paragraph 13.07 are in addition to any other obligation or warranty. The provisions of this Paragraph 13.07 shall not be construed as a substitute for or a waiver of the provisions of any applicable statute of limitation or repose.

13.08 *Acceptance of Defective Work*

A. If, instead of requiring correction or removal and replacement of defective Work, Owner (and, prior to Engineer's recommendation of final payment, Engineer) prefers to accept it, Owner may do so. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness) and the diminished value of the Work to the extent not otherwise paid by Contractor pursuant to this sentence. If any such acceptance occurs prior to Engineer's recommendation of final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work, and Owner shall be entitled to an appropriate decrease in the Contract Price, reflecting the diminished value of Work so accepted. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05. If the acceptance occurs after such recommendation, an appropriate amount will be paid by Contractor to Owner.

13.09 *Owner May Correct Defective Work*

A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work or to remove and replace rejected Work as required by Engineer in accordance with Paragraph 13.06.A, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, Owner may, after seven days written notice to Contractor, correct or remedy any such deficiency.

B. In exercising the rights and remedies under this Paragraph 13.09, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, take possession of Contractor's tools, appliances, construction equipment and machinery at the Site, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this Paragraph.

C. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 13.09 will be charged against Contractor, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount of the adjustment, Owner may make a Claim therefor as provided in Paragraph 10.05. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.

D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 13.09.

ARTICLE 14 - PAYMENTS TO CONTRACTOR AND COMPLETION

14.01 *Schedule of Values*

A. The Schedule of Values established as provided in Paragraph 2.07.A will serve as the basis for progress

payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed.

14.02 *Progress Payments*

A. Applications for Payments

1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of all Liens and evidence that the materials and equipment are covered by appropriate property insurance or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.

2. Beginning with the second Application for Payment, each Application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior Applications for Payment.

3. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

B. Review of Applications

1. Engineer will, within 10 days after receipt of each Application for Payment, either indicate in writing a recommendation of payment and present the Application to Owner or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.

2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations on the Site of the executed Work as an experienced and qualified design professional and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:

a. the Work has progressed to the point indicated;

b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, to the results of any subsequent tests called for in the Contract Documents, to a final determination of quantities and classifications for Unit Price Work under Paragraph 9.07, and to any other qualifications stated in the recommendation); and

c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.

3. By recommending any such payment Engineer will not thereby be deemed to have represented that:

a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract Documents; or

b. that there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.

4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:

a. to supervise, direct, or control the Work, or

b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or

c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work, or

d. to make any examination to ascertain how or for what purposes Contractor has used the moneys paid on account of the Contract Price, or

e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.

5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 14.02.B.2. Engineer may also refuse to recommend any such payment or, because of subsequently discovered evidence or the results of subsequent

inspections or tests, revise or revoke any such payment recommendation previously made, to such extent as may be necessary in Engineer's opinion to protect Owner from loss because:

- a. the Work is defective, or completed Work has been damaged, requiring correction or replacement;
- b. the Contract Price has been reduced by Change Orders;
- c. Owner has been required to correct defective Work or complete Work in accordance with Paragraph 13.09; or
- d. Engineer has actual knowledge of the occurrence of any of the events enumerated in Paragraph 15.02.A.

C. Payment Becomes Due

1. Ten days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended will (subject to the provisions of Paragraph 14.02.D) become due, and when due will be paid by Owner to Contractor.

D. Reduction in Payment

1. Owner may refuse to make payment of the full amount recommended by Engineer because:

- a. claims have been made against Owner on account of Contractor's performance or furnishing of the Work;
- b. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens;
- c. there are other items entitling Owner to a set-off against the amount recommended; or
- d. Owner has actual knowledge of the occurrence of any of the events enumerated in Paragraphs 14.02.B.5.a through 14.02.B.5.c or Paragraph 15.02.A.

2. If Owner refuses to make payment of the full amount recommended by Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, when Contractor corrects to Owner's satisfaction the reasons for such action.

3. If it is subsequently determined that Owner's refusal of payment was not justified, the amount wrongfully withheld shall be treated as an amount due as determined by Paragraph 14.02.C.1.

14.03 Contractor's Warranty of Title

A. Contractor warrants and guarantees that title to all Work, materials, and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to Owner no later than the time of payment free and clear of all Liens.

14.04 Substantial Completion

A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete (except for items specifically listed by Contractor as incomplete) and request that Engineer issue a certificate of Substantial Completion.

B. Promptly after Contractor's notification, , Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.

C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a tentative certificate of Substantial Completion which shall fix the date of Substantial Completion. There shall be attached to the certificate a tentative list of items to be completed or corrected before final payment. Owner shall have seven days after receipt of the tentative certificate during which to make written objection to Engineer as to any provisions of the certificate or attached list. If, after considering such objections, Engineer concludes that the Work is not substantially complete, Engineer will within 14 days after submission of the tentative certificate to Owner notify Contractor in writing, stating the reasons therefor. If, after consideration of Owner's objections, Engineer considers the Work substantially complete, Engineer will within said 14 days execute and deliver to Owner and Contractor a definitive certificate of Substantial Completion (with a revised tentative list of items to be completed or corrected) reflecting such changes from the tentative certificate as Engineer believes justified after consideration of any objections from Owner.

D. At the time of delivery of the tentative certificate of Substantial Completion, Engineer will deliver to Owner and Contractor a written recommendation as to division of responsibilities pending final payment between Owner and Contractor with respect to security, operation, safety, and protection of the Work, maintenance, heat, utilities, insurance, and warranties and guarantees. Unless Owner and Contractor agree otherwise in writing and so inform Engineer in writing prior to Engineer's issuing the definitive certificate of Substantial

Completion, Engineer's aforesaid recommendation will be binding on Owner and Contractor until final payment.

E. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to complete or correct items on the tentative list.

14.05 *Partial Utilization*

A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions.

1. Owner at any time may request Contractor in writing to permit Owner to use or occupy any such part of the Work which Owner believes to be ready for its intended use and substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor will certify to Owner and Engineer that such part of the Work is substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

2. Contractor at any time may notify Owner and Engineer in writing that Contractor considers any such part of the Work ready for its intended use and substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 14.04 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.

4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 5.10 regarding property insurance.

14.06 *Final Inspection*

A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals

that the Work is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

14.07 *Final Payment*

A. Application for Payment

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance certificates of inspection, marked-up record documents (as provided in Paragraph 6.12), and other documents, Contractor may make application for final payment following the procedure for progress payments.

2. The final Application for Payment shall be accompanied (except as previously delivered) by:

a. all documentation called for in the Contract Documents, including but not limited to the evidence of insurance required by Paragraph 5.04.B.7;

b. consent of the surety, if any, to final payment;

c. a list of all Claims against Owner that Contractor believes are unsettled; and

d. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of or Liens filed in connection with the Work.

3. In lieu of the releases or waivers of Liens specified in Paragraph 14.07.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (i) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (ii) all payrolls, material and equipment bills, and other indebtedness connected with the Work for which Owner or Owner's property might in any way be responsible have been paid or otherwise satisfied. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien.

B. *Engineer's Review of Application and Acceptance*

1. If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations

under the Contract Documents have been fulfilled, Engineer will, within ten days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of payment and present the Application for Payment to Owner for payment. At the same time Engineer will also give written notice to Owner and Contractor that the Work is acceptable subject to the provisions of Paragraph 14.09. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.

C. Payment Becomes Due

1. Thirty days after the presentation to Owner of the Application for Payment and accompanying documentation, the amount recommended by Engineer, less any sum Owner is entitled to set off against Engineer's recommendation, including but not limited to liquidated damages, will become due and , will be paid by Owner to Contractor.

14.08 *Final Completion Delayed*

A. If, through no fault of Contractor, final completion of the Work is significantly delayed, and if Engineer so confirms, Owner shall, upon receipt of Contractor's final Application for Payment (for Work fully completed and accepted) and recommendation of Engineer, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by Owner for Work not fully completed or corrected is less than the retainage stipulated in the Agreement, and if bonds have been furnished as required in Paragraph 5.01, the written consent of the surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by Contractor to Engineer with the Application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

14.09 *Waiver of Claims*

A. The making and acceptance of final payment will constitute:

1. a waiver of all Claims by Owner against Contractor, except Claims arising from unsettled Liens, from defective Work appearing after final inspection pursuant to Paragraph 14.06, from failure to comply with the Contract Documents or the terms of any special guarantees specified therein, or from Contractor's continuing obligations under the Contract Documents; and

2. a waiver of all Claims by Contractor against Owner other than those previously made in accordance

with the requirements herein and expressly acknowledged by Owner in writing as still unsettled.

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

15.01 *Owner May Suspend Work*

A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by notice in writing to Contractor and Engineer which will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be granted an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension if Contractor makes a Claim therefor as provided in Paragraph 10.05.

15.02 *Owner May Terminate for Cause*

A. The occurrence of any one or more of the following events will justify termination for cause:

1. Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the Progress Schedule established under Paragraph 2.07 as adjusted from time to time pursuant to Paragraph 6.04);

2. Contractor's disregard of Laws or Regulations of any public body having jurisdiction;

3. Contractor's disregard of the authority of Engineer; or

4. Contractor's violation in any substantial way of any provisions of the Contract Documents.

B. If one or more of the events identified in Paragraph 15.02.A occur, Owner may, after giving Contractor (and surety) seven days written notice of its intent to terminate the services of Contractor:

1. exclude Contractor from the Site, and take possession of the Work and of all Contractor's tools, appliances, construction equipment, and machinery at the Site, and use the same to the full extent they could be used by Contractor (without liability to Contractor for trespass or conversion),

2. incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and

3. complete the Work as Owner may deem expedient.

C. If Owner proceeds as provided in Paragraph 15.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Owner arising out of or relating to completing the Work, such excess will be paid to Contractor. If such claims, costs, losses, and damages exceed such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this Paragraph Owner shall not be required to obtain the lowest price for the Work performed.

D. Notwithstanding Paragraphs 15.02.B and 15.02.C, Contractor's services will not be terminated if Contractor begins within seven days of receipt of notice of intent to terminate to correct its failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt of said notice.

E. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue. Any retention or payment of moneys due Contractor by Owner will not release Contractor from liability.

F. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 5.01.A, the termination procedures of that bond shall supersede the provisions of Paragraphs 15.02.B, and 15.02.C.

15.03 *Owner May Terminate For Convenience*

A. Upon seven days written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):

1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;

2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses;

3. all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others; and

4. reasonable expenses directly attributable to termination.

B. Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

15.04 *Contractor May Stop Work or Terminate*

A. If, through no act or fault of Contractor, (i) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (ii) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (iii) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven days written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the Contract and recover from Owner payment on the same terms as provided in Paragraph 15.03.

B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, seven days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this Paragraph 15.04 are not intended to preclude Contractor from making a Claim under Paragraph 10.05 for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this Paragraph.

ARTICLE 16 - DISPUTE RESOLUTION

16.01 *Methods and Procedures*

A. Either Owner or Contractor may request mediation of any Claim submitted to Engineer for a decision under Paragraph 10.05 before such decision becomes final and binding. The mediation will be

governed by the Construction Industry Mediation Rules of the American Arbitration Association in effect as of the Effective Date of the Agreement. The request for mediation shall be submitted in writing to the American Arbitration Association and the other party to the Contract. Timely submission of the request shall stay the effect of Paragraph 10.05.E.

B. Owner and Contractor shall participate in the mediation process in good faith. The process shall be concluded within 60 days of filing of the request. The date of termination of the mediation shall be determined by application of the mediation rules referenced above.

C. If the Claim is not resolved by mediation, Engineer's action under Paragraph 10.05.C or a denial pursuant to Paragraphs 10.05.C.3 or 10.05.D shall become final and binding 30 days after termination of the mediation unless, within that time period, Owner or Contractor:

1. elects in writing to invoke any dispute resolution process provided for in the Supplementary Conditions, or

2. agrees with the other party to submit the Claim to another dispute resolution process, or

3. gives written notice to the other party of their intent to submit the Claim to a court of competent jurisdiction.

ARTICLE 17 - MISCELLANEOUS

17.01 *Giving Notice*

A. Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if:

1. delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or

2. delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

17.02 *Computation of Times*

A. When any period of time is referred to in the Contract Documents by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

17.03 *Cumulative Remedies*

A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract Documents. The provisions of this Paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

17.04 *Survival of Obligations*

A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion, and acceptance of the Work or termination or completion of the Contract or termination of the services of Contractor.

17.05 *Controlling Law*

A. This Contract is to be governed by the law of the state in which the Project is located.

17.06 *Headings*

A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

SUPPLEMENTARY CONDITIONS

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SUPPLEMENTARY CONDITIONS

1. Definitions

- A. The definition of "Technical Specifications" shall be the same as the definition for Specifications stated in Paragraph 1.01 under item number 43 of the General Conditions.
- B. Delete Paragraph 1.01.A.12 of the General Conditions in its' entirety.
- C. In Paragraph 1.01A.52 delete the following words, "or responding to differing or unseen subsurface or physical conditions under which the work is to be performed or to emergencies."

2. Commencement of Contract Time: Notice to Proceed

The commencement of Contract Time, as stated in Item 2.03 of the General Conditions is changed to read The Contract Time will commence to run within the sixtieth day after the Effective Date of the Agreement, or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed; but in no event shall the Contract Time commence to run later than the sixtieth day after the Effective Date of the Agreement.

Notice to Proceed may be given at any time within sixty days after the Effective Date of the Agreement. Refer to Item 21 of the Instructions to Bidders regarding execution of the Contract.

3. Before Starting Construction

In addition to the requirements of Paragraph 2.05 of the General Conditions, "**CONTRACTOR** shall deliver to the **OWNER**, with his signed Contract, all bonds and insurance which he is required to purchase and maintain in accordance with Article 5 of the General Conditions. A copy shall also be submitted to the **ENGINEER**. The **OWNER** shall deliver to the **CONTRACTOR** a copy of all policies of insurance which the **OWNER** is required to purchase and maintain in accordance with Article 5 of the General Conditions."

4. Preconstruction Conference

The time period for holding the preconstruction conference as stated in Paragraph 2.06 of the General Conditions shall be within 30 days after the Effective date of the Agreement, but before the **CONTRACTOR** starts the Work at the site.

5. Subsurface and Physical Conditions

Paragraphs 4.02 and 4.03 shall be deleted in its' entirety and replaced with the following:

DIFFERING SITE CONDITIONS PROVISION:

Execution of this Contract (Agreement) by the Contractor is a representation that the Contractor has visited the site, that general and local conditions are suitable for the work to be performed and that the Contractor accepts all conditions at the Project site. The Contractor assumes all risks with respect to the requirements of the Contract Documents, including without limitation the characteristics (natural and manmade) of the site, site accessibility, labor rates and availability, weather conditions, and any other matter that could affect the performance and cost of the work.

6. Insurance Requirements

- A. Paragraphs 5.05 and 5.06 shall be deleted in their entirety.
- B. Paragraphs 5.07.B, 5.07.B.1 and 5.07.B.2 shall be deleted in their entirety.
- C. In addition to the requirements of Article 5 of the General Conditions, insurance coverage specified herein constitutes the minimum requirements and said requirements shall in no way lessen or limit the liability of the **CONTRACTOR** under the terms of the Contract. The **CONTRACTOR** shall procure and maintain at his own expense any additional kinds and amounts of insurance that, in his own judgment, may be necessary for his proper protection in the prosecution of the Work.
 - 1. The **CONTRACTOR** shall carry insurance as prescribed herein and all policies shall be with companies satisfactory to the **OWNER**. If a part of this Contract is sublet, the **CONTRACTOR** shall require each Subcontractor to carry insurance of the same kinds and in like amounts as carried by the **CONTRACTOR**, including all additional insureds and waivers of subrogation.
 - 2. Certificates of insurance shall state that 30 days written notice will be given to the **OWNER** before the policy is canceled or changed. No **CONTRACTOR** or Subcontractor will be allowed to start any construction work on this Contract until certificates of all insurance required herein and all coverage requirements specified in contract documents are filed with and approved by the **OWNER**. The certificates shall show the type, amount, class of operations covered, effective dates and the dates of expiration of policies.
 - 3. The **CONTRACTOR** shall secure and maintain in effect for the period of the **CONTRACT** and pay all premiums for the following kinds and amounts of insurance:
 - a. Worker's Compensation and Employer's Liability Insurance: This insurance shall protect the **CONTRACTOR** against all claims under applicable State Worker's Compensation Laws. The **CONTRACTOR** shall also be protected and shall cause each Subcontractor to be protected against claims for injury, disease, or death of employees, which for any reason, may not fall within the provisions of a Worker's Compensation Law. The liability limits shall not be less than the required statutory limits for Worker's Compensation and Employer's Liability limits in the amount of ONE MILLION DOLLARS (\$1,000,000.00). **CONTRACTOR** and subcontractors shall supply **OWNER** endorsements from their carriers evidencing waiver of subrogation in favor of the **OWNER**.

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- b. **CONTRACTOR'S** and Subcontractor's Comprehensive General Liability Insurance, including bodily injury, property damage, contractual and other standard coverage contained in Comprehensive General Liability Insurance, in an amount of not less than ONE MILLION DOLLARS (\$1,000,000) per occurrence and aggregate. **OWNER** shall be provided an endorsement naming the **OWNER** as an insured from the insurer for the work contracted. The Comprehensive General Liability policies carried by both the **CONTRACTOR** and the Subcontractors shall contain an endorsement to include the coverage of the following hazards:
- i. Explosion, collapse, and underground property damage to include any damage or destruction of property below the surface of the ground, such as wires, conduits, pipes, mains, sewers, etc., caused by the **CONTRACTOR'S** operations.
 - ii. The collapse of and structural injury to any building, structure or property on or adjacent to the **OWNER'S** premises or right-of-way caused by the **CONTRACTOR'S** operations in the removal of other buildings, structures, or supports, or by excavation below the surface of the ground.
 - iii. Contractual Liability Coverage for the Hold Harmless segments of the Contract Documents.
- c. **CONTRACTOR'S** Contingent or Protective Liability and Property Damage: In case part of this Contract is sublet, the **CONTRACTOR** shall secure contingent or protective liability and property damage insurance to protect the **CONTRACTOR** from any and all claims arising from the operation of Subcontractors in the execution of Work included in the Contract. In no case shall the amount of such protection be less than the limits of \$500,000/\$1,000,000 for Public Liability Insurance and \$500,000/\$1,000,000 for Property Damage Insurance. The coverage in each case shall be acceptable to the **OWNER**.
- d. Auto Liability: The **CONTRACTOR** shall maintain Auto Liability Insurance in the amount of not less than ONE MILLION DOLLARS (\$1,000,000) Combined Single Limit to protect him from any and all claims arising from the use of the following:
- i. **CONTRACTOR'S** own automobiles and trucks.
 - ii. Hired and non-owned automobiles and trucks.
 - iii. Automobiles and trucks owned by Subcontractors.
- The aforementioned is to cover use of automobiles and trucks on and off the site of the Project. The **OWNER** shall be provided an endorsement from the insurer naming the **OWNER** as an insured for the work contracted.
- e. **OWNER'S** Protective Liability Policy: The **CONTRACTOR** shall maintain **OWNER'S** Protective Liability Insurance with the **OWNER** as the named insured, and the **ENGINEER**, and their servants, agents and employees as additional insureds, in an amount not less than ONE MILLION DOLLARS (\$1,000,000).
- f. Umbrella Liability: The **CONTRACTOR** shall provide **OWNER** a certificate of insurance evidencing Umbrella Liability Insurance in the amount of not less than FIVE MILLION DOLLARS (\$5,000,000).

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- g. Builder's Risk and Boiler and Machinery Insurance: The **CONTRACTOR** shall purchase and maintain Builder's Risk and Boiler and Machinery Insurance in the amount of the total value of the materials necessary for the project. A certificate evidencing such coverage shall be on file with the **OWNER**.
 - h. Property Insurance: No property insurance is required for this project.

7. Contractor's Responsibilities

Delete Paragraph 6.02.B in its entirety.

8. Record Documents

In addition to the requirements of Paragraph 6.12 of the General Conditions, **CONTRACTOR** shall provide accurate 'mark-ups' acceptable to the **ENGINEER** on or before the date of Substantial Completion of the Project for use by the **ENGINEER** in the preparation of 'record' drawings. Final payment will not be made to the **CONTRACTOR** prior to the **ENGINEER** receiving these mark-ups from the **CONTRACTOR**.

9. Limitations on ENGINEER'S Responsibilities

In addition to the requirements of Paragraph 9.09.B, when it comes to his attention, the **ENGINEER** will immediately notify the **OWNER** in the event that the **CONTRACTOR** is not complying with the Contract Documents or is conducting the Work in such a manner that could be considered grounds for termination of the Contract. The **CONTRACTOR** shall retain responsibility for performing all Work in compliance with the Contract Documents.

The following language shall be added to Paragraph 9.09.B:

"Consistent with the express provisions of this Section 00700, Article 6.13, Article 6.17.D.2, Article 9.02.B, Article 9.09, this Article 9.09.B, and Article 14.02.B.4.b, any reference to "safety" elsewhere in this contract, including but not limited to those found in Section 00700, Articles 4.02.B.1, 4.04.A.2.d, 4.04.B.1, 4.06.B.1, 6.02.B, 6.14, 6.15, 6.16, 6.17.C.1.c, and 13.02.A, does not impose upon the Engineer any duty, obligation or other contractual undertaking to administer the "safety" aspects of Contractor's performance, or any other matter relating to the Contractor's means, methods, techniques, sequences or procedures. Contractor's contractual safety obligations and means and methods during construction are the sole responsibility of the Contractor and are not being administered, overseen or reviewed in any way by the Engineer in performing its contractual obligations"

10. Change of the Contract Time

In addition to the requirements of Paragraph 12.03 of the General Conditions, rainstorms which are encountered in the project area on a regular and seasonal basis do not constitute an abnormal weather condition.

11. Payments to **CONTRACTOR**

Paragraph 14.02, Application for Payments, is deleted in its' entirety and the following substituted therefore:

- A. Monthly Estimates and Partial Payments: The **CONTRACTOR'S** partial payment period shall end on the last day of each month. The **CONTRACTOR** shall submit acceptable Application for Payment to the **ENGINEER** by the date indicated on the payment schedule as supplied to **CONTRACTOR** by **ENGINEER** provided that the amount due on completed work is at least \$500.00. The partial payment request shall be filled out and signed by the **CONTRACTOR** covering the work completed as of the date of the request and accompanied by such supporting documentation as is required by the Contract Documents and also as the **ENGINEER** may reasonably require. At the discretion of the **OWNER**, the **ENGINEER** may be authorized to include in any monthly estimate advances covering approximately 95 percent of the value of unused materials delivered and stored on the site of the work. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the site, the Application for Payment shall also be accompanied by such data, satisfactory to **OWNER**, as will establish **OWNER'S** title to the material and equipment and protect **OWNER'S** title to the material and equipment and protect **OWNER'S** interest therein, including applicable insurance. Each subsequent Application for Payment shall include an affidavit of **CONTRACTOR** stating that all previous progress payments received on account of the Work have been applied to discharge in full all of **CONTRACTOR'S** obligations reflected in prior Applications for Payment.
- B. After each monthly estimate has been approved, the **OWNER** shall pay to the **CONTRACTOR** 95 percent of the amount of said estimate. From the total value of each estimate there will be deducted an amount equivalent to 5 percent of the whole as a retainage to be held by the **OWNER**. The monthly estimates will be approximate only and subject to correction in any subsequent estimate rendered following discovery of the error. At the discretion of the **OWNER**, the **ENGINEER** may be authorized to include any monthly advances covering approximately 95 percent of the value of unused materials delivered and stored on the site of the work.
- C. Subsequent to discovery of any defective or questionable work, an amount equal to the estimated value of such work will be deducted from the next current estimate. The sum will not be included in a subsequent estimate until the defects have been remedied to the **ENGINEER'S** satisfaction.
- D. The **OWNER** reserves the right to withhold payment of any monthly estimate that becomes due if, in the opinion of the **OWNER'S** Attorney, such action is warranted because of any breach of the Contract Provisions or malfeasance on the part of the **CONTRACTOR** or because the progress or the quality of the work is unsatisfactory and does not comply with the Plans and Specifications.

Paragraph 14.02.C of the General Conditions is modified to read “60 days after presentation of the Application for Payment to **OWNER** with **ENGINEER’S** recommendation, the amount recommended will (subject to the provisions of Paragraph 14.02.D) become due, and when due will be paid by **OWNER** to **CONTRACTOR**.”

Paragraph 14.07.C of the General Conditions is modified to read, "If the Application and accompanying documentation are appropriate as to form and substance, **OWNER** shall, within 60 days after receipt thereof, pay **CONTRACTOR** the amount recommended by **ENGINEER**."

Delete Paragraph 14.09.A.2 in its entirety.

12. List of Contract Drawings: Not Used.

13. Liquidated and Special Damages

The **CONTRACTOR** will be subject to liquidated damages and actual damages in the amount of the actual costs incurred by the Owner after the time stipulated for Substantial Completion of the work. The **CONTRACTOR** will be subject to liquidated damages in the amount of **\$500** for each consecutive calendar day after the time stipulated for Final Completion of the work. The actual costs include, but are not limited to construction related costs resulting from the Contractor’s failure to complete the work on schedule, and \$377,500 minus Contractor’s Job to date Billings plus job to date retainage.

The liquidated damages provided for herein were not calculated in contemplation or anticipation that the **CONTRACTOR** would default or otherwise abandon the project. In the event the **CONTRACTOR** does default or otherwise abandon the project, the **OWNER** reserves the right to collect from the **CONTRACTOR** or its surety, in addition to the liquidated damages, the actual damages including, but not limited to, additional engineering costs, incurred by the **OWNER** as a result of the default or abandonment.

14. Suspension of Work and Termination

In Paragraph 15.04.A delete the following words: “or Engineer fails to act on any Application for Payment within thirty days, after it is submitted” and add the words “if the”. In Paragraph 15.04.B delete the following words: “if Engineer has failed to act on an Application for Payment within thirty days after it is submitted” and add the words “if the”.

*** * END OF SECTION * ***

SECTION 01010

SUMMARY OF WORK

PART 1 GENERAL

1.01 Location of Work

All of the work of this Contract is located in public right-of-way or on easements and property owned or obtained by the Owner.

1.02 Work to be Done

- A. The CONTRACTOR shall furnish all labor, materials, equipment, tools, services and incidentals to complete all work required by these Specifications and as shown on the Drawings.
- B. The CONTRACTOR shall perform the work complete, in place, and ready for continuous service, and shall include repairs, testing, permits, cleanup, replacements and restoration required as a result of damages caused during this construction.
- C. All materials, equipment, skills, tools and labor which are reasonably and properly inferable and necessary for the proper completion of the work in a substantial manner and in compliance with the requirements stated or implied by these Specifications or Drawings shall be furnished and installed by the CONTRACTOR without additional compensation, whether specifically indicated in the Contract Documents or not.
- D. The CONTRACTOR shall comply with all county, state, federal, and other codes which are applicable to the proposed construction work.

1.03 General Description of Work to be Performed

- A. The Work included in the Contract shall be as described in the Contract Documents.
- B. All work shall be done as described in the Specifications and as shown on the Drawings, complete, tested and ready for operation.

1.04 Work Sequence

- A. All work to be done under the Contract shall be done with minimum inconvenience to the OWNER. The CONTRACTOR shall coordinate his work with private property owners such that existing drainage, water service, sewer service and garbage pickup and other public services are maintained at all times.
- B. Construct Work in stages to accommodate the OWNER'S use of the premises during the construction period; coordinate the construction schedule and operations with the ENGINEER.
- C. Construct the Work in stages to provide for public convenience. Do not close off public

access until completion of one stage of construction will provide alternative usage.

1.05 Construction Areas

- A. CONTRACTOR shall limit his use of the construction areas for Work and for storage, to allow for:
 - 1. Work by other contractors.
 - 2. OWNER use.
 - 3. Public use.
- B. Coordinate use of work site under direction of ENGINEER.
- C. Assume full responsibility for the protection, security and safekeeping of products under this Contract stored on the site.
- D. Move any stored products, under CONTRACTOR'S control which interfere with operations of the OWNER or other contractors.
- E. Obtain and pay for the use of additional storage or work areas needed for operations.

1.06 Owner Occupancy

- A. OWNER will have full access to and use of all existing sewer facilities during the entire period of construction for the conduct of his normal operations. Cooperate with ENGINEER in all construction operations to minimize conflict and to facilitate OWNER usage.
- B. CONTRACTOR shall at all times conduct his operations as to insure the least inconvenience to the general public.

1.07 Partial Owner Occupancy

The CONTRACTOR shall schedule his operations for completion of portions of the Work, as designated, for the OWNER'S occupancy prior to Substantial Completion of the entire Work.

1.08 Plans and Specifications

- A. Specifications: The Technical Specifications consist of three parts: General, Products, and Execution. The General section contains general requirements which govern the work. The Products and Execution sections modify and supplement these by detailed requirements of the work and shall always govern whenever there appears to be a conflict.
- B. Intent:
 - 1. All work called for in the Specifications applicable to the Contract but not shown on the Plans in their present form or vice versa shall be of like effect as if shown or mentioned in both. Work not specified in either the Plans or in the Specifications but involved in carrying out their intent or in the complete and proper execution of the work is required and shall be performed by the CONTRACTOR as though it were specifically delineated or described at the CONTRACTOR'S expense.
 - 2. The apparent silence of the Specifications as to any detail, or the apparent omission

from them of a detailed description concerning any work to be done and materials to be furnished, shall be regarded as meaning that only the best general practice is to prevail and that only material and workmanship of the best quality is to be used, and interpretation of these Specifications shall be made upon that basis.

- C. Conflict between Drawings and Specifications. Where an obvious conflict exists between the Plans and Specifications, the ENGINEER shall decide which governs and the CONTRACTOR shall comply with the decision. Such decision shall not be grounds for additional payment to the CONTRACTOR, i.e., the CONTRACTOR shall include the price of the most expensive alternative in his bid.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 Description

- A. CONTRACTOR shall furnish all labor, materials, tools, equipment, appurtenances and all services necessary to perform all Work required, at the lump sum or unit prices for the items listed in the Prices Bid Table located in the Bid Proposal.
- B. The pay items listed in the Bid Proposal constitute all of the pay items for the completion of the Contract. No direct or separate payment will be made for providing miscellaneous temporary or accessory works, plant, services, CONTRACTOR'S or ENGINEER'S field offices, layout surveys, job signs, sanitary requirements, testing, safety devices, approval and record drawings, water supplies, power, removal of waste, watchmen, bonds, insurance, and all other requirements of the Contract Documents. Compensation for all such services, things and materials shall be included in the prices stipulated for the lump sum and unit pay items listed herein.

1.02 Engineer's Estimate of Quantities

The ENGINEER's estimated quantities for unit bid prices, as listed in the Bid Form, are approximate only and are included solely for the purpose of comparison of Bids. The OWNER does not expressly or by implication agree that the nature of the materials encountered below the surface of the ground or the actual quantities of material encountered or required will correspond therewith and reserves the right to increase or decrease any quantity or to eliminate any quantity as OWNER may deem necessary.

1.03 Related Provisions Specified Elsewhere

- A. Payments to CONTRACTOR: Refer to General Conditions and Supplemental Conditions.
- B. Changes in Contract Price: General Conditions and Contract Forms.
- C. Schedule of Values: Section 01026.

1.04 Measurement of Quantities

- A. The measurement and determination of quantities for each pay item will be made in general as prescribed hereinafter and specifically as set out under Method of Measurement and Basis of Payment for each respective pay item section. Actual authorized quantities of work, complete and accepted under the contract, will be measured by the Engineer according to United States standard measures, and in accordance with well recognized engineering practices.
- B. A station when used as a definition or term of measurement will be 100 linear feet.

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- C. Unless otherwise specified, longitudinal measurements for area computations will be made horizontally, and no deductions will be made for individual fixtures having an area of nine square feet or less. Unless otherwise specified, transverse measurements for area computations will be the neat dimensions shown on the plans or ordered by the Engineer.
 - D. Where the area unit for measurement and payment is specified for erosion control items, the measurements will be taken on the slope of the ground to compute the actual surface area for payment.
 - E. Structures will be measured according to neat lines shown on the plans or as altered to fit field conditions.
 - F. All items which are measured by the linear foot, such as pipe culverts, guardrail, underdrains, etc., will be measured as specified under the Method of Measurement for the item unless otherwise shown on the plans.
 - G. No payment will be made for unauthorized excavation. Excavation or embankment performed beyond the required neat lines or slope stakes will not be measured for payment unless within tolerances specified or otherwise provided.
 - H. In computing volumes of excavation and embankment, the average end area method will be used, unless otherwise specified.
 - I. When size number is used in the measurement of wire, it will mean the size number specified in AASHTO Designation: M 32.
 - J. The term ton will mean the short ton consisting of 2000 pounds avoirdupois. All materials which are specified for measurement by the ton shall be weighed by competent personnel on approved scales set at locations approved by the Engineer or in the case of prepackaged materials, the manufacturer's bag weight may be used. If material is shipped by rail, the car weight may be accepted provided it is the actual weight of material and not minimum car weight used for assessing freight tariff. However, car weights will not be acceptable for material to be used in mixing plants. Trucks used to haul material being paid for by weight shall be weighed empty daily at such time as the Engineer directs, and each truck shall bear a plainly legible identification mark.
 - K. When a complete structure or structural unit, in effect "lump sum" work, is specified as the unit of measurement, the unit will be construed to include all necessary fittings and accessories.
 - L. Volumes of materials computed in cubic yards by the average end area method are designated as "Final Measure" (FM), or "Final Measure - Embankment" (FME). Volumes of materials designated for measurement loose in the vehicle are designated as "Loose Vehicle Measure" (LVM).

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- M. Volumetric measurement of excavation, embankment, granular materials or similar materials in cubic yards will be made by the methods designated on the plans or in the proposal. For justifiable reasons, such as impracticability of measurement of volumes (usually small) by the designated method, the Engineer may order measurement by another method as follows:
1. Volumes designated for payment by FM may be measured LVM and converted to contract measurement by multiplying the loose measure by 80 percent.
 2. Volumes designated for payment by LVM may be measured in its original position by the average end area method and multiply the FM measure by 125 percent.
 3. Volumes designated for payment by FME may be measured in its original position by the average end area method and multiply the FM measure by 90 percent.
 4. Small volumes of surplus, excess excavation or other small volumes of excavation which are impractical to measure by the average end area method but are designated to be measured by FME may be measured LVM and multiply the loose measure by 72 percent.

When the Engineer orders the use of a conversion factor for converting a unit of measure, the ordered method of measurement shall be deemed acceptable to all parties and shall be final.

- N. When requested by the Contractor and with written approval of the Engineer, material specified to be measured by the cubic yard or ton may be converted to the other measure as appropriate. Factors for this conversion will be determined by the Engineer and agreed to by the Contractor before such method of measurement is used.
- O. All materials measured by the cubic yard LVM shall be hauled in approved vehicles and verified at the point of delivery. Vehicles may be of any size or type acceptable to the Engineer provided the body is of such shape that the capacity may be readily and accurately determined to the whole cubic yard. Unless all vehicles on the work are of uniform capacity, each vehicle must be plainly labeled to indicate its measured capacity. All vehicles shall be legibly numbered for identification.
- P. The vehicles shall be loaded to ensure a water level load when they arrive at the point of delivery. Loads hauled in unapproved vehicles and loads of a quantity less than the measured quantity for the hauling vehicle, will be subject to rejection.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01026
SCHEDULE OF VALUES

PART 1 GENERAL

1.01 Requirements Included

The Schedule of Values is an itemized list that establishes the value or cost of each part of the work as defined in Section 01025, Part 1.04. All other work shall be paid according to the Prices Bid Table. It shall be used as the basis for preparing progress payments and may be used as a basis for negotiations concerning additional work or credits which may arise during the construction. Quantities and unit prices may be included in the schedule when approved by or required by the ENGINEER.

1.02 Preparation

- A. Schedule shall show breakdown of labor, materials equipment and other costs used in preparation of the Bid.
- B. Costs shall be in sufficient detail to indicate separate amounts for each Section of the Specifications.
- C. CONTRACTOR may include items for bond, insurance, temporary facilities and job mobilization within the mobilization bid item.
- D. Schedule of Values shall be prepared on 8-1/2 inch by 11 inch white paper.
- E. Use Table of Contents of the Specifications as basis for Schedule format and identify each item with number and title in the Table of Contents. List sub-items of major products or systems as appropriate or when requested by ENGINEER.
- F. When requested by ENGINEER, support values with data that will substantiate their correctness.
- G. The sum of the individual values shown on the Schedule of Values must equal the total Contract Price.
- H. The manner in which overhead and profit are shown shall be supported by the ENGINEER.
- I. Schedule shall show the purchase and delivery costs for materials and equipment that the CONTRACTOR anticipates he shall request payment for prior to their installation.

1.03 Submittal

Submit two copies of Schedule to ENGINEER for approval at least 20 days prior to submitting first application for a progress payment. After review by ENGINEER, revise and resubmit Schedule as required until it is approved.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01027

APPLICATIONS FOR PAYMENT

PART 1 GENERAL

1.01 Requirements Included

Submit Applications for Payment to the ENGINEER in accordance with the General Conditions and in the form required by the OWNER.

1.02 Format and Data Required

- A. Submit applications typed with itemized Schedule of Values data typed on 8-1/2 inch x 11 inch white continuation sheets.
- B. Provide detailed substantiating data on additional sheets, including paid invoices where applicable.

1.03 Preparation of Application for Progress Payments

- A. Application Form:
 - 1. Fill in required information, including that for Change Orders executed prior to date of submittal of application.
 - 2. Fill in summary of dollar values to agree with respective totals indicated on continuation sheets.
 - 3. Execute certification with signature of a responsible officer of the CONTRACTOR.
- B. Continuation Sheets:
 - 1. Fill in total list of all scheduled component items of work, with item number and scheduled dollar value for each item.
 - 2. Fill in dollar value in each column for each scheduled line item when work has been performed or products stored. Round off values to the nearest dollar or as specified for Schedule of Values.
 - 3. List each Change Order executed prior to date of submission by Change Order Number and description.
 - 4. To receive payment for materials stored on site, submit copies of the original paid invoices with the application for payment.

1.04 Substantiating Data for Progress Payments

- A. Provide substantiating data containing suitable information for review of costs requested with the applications for progress reports identifying:
 - 1. The payment item to which the substantiating data applies.
 - 2. Application number and date.
 - 3. Detailed list of enclosures.
 - 4. For stored materials:
 - a. Item number and identification as shown on application.

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- b. Description of specific material and invoice of delivered material.
 - c. Consolidated inventory of stored materials showing:
 - (1) Materials received.
 - (2) Materials used.
 - d. Additional stored materials may not be claimed upon reaching 75% completion of the total project.
 - e. Stored Materials shall be inventoried jointly prior to each pay request.
- B. Submit one copy of data for each copy of application for payment.
- C. The CONTRACTOR is to maintain an updated set of record drawings in accordance with Section 01720. As a prerequisite for monthly progress payments, the CONTRACTOR is to exhibit the updated record drawings for review by the OWNER and the ENGINEER.
- D. Construction photographs as required by Section 01380 will be submitted with each progress payment and shall be considered a part of that payment request.
- E. Updated construction schedule showing work completed and work projected by month to the completion of the project.

1.05 Preparation of Application for Final Payment

- A. Fill in application form as specified for progress payments.
- B. Use continuation sheet for presenting the final statement of accounting.

1.06 Submittal Procedure

- A. Submit applications for payment to the ENGINEER at the times stipulated in the General Conditions.
- B. Initially a pencil draft application shall be informally submitted to the ENGINEER who shall review the draft with the CONTRACTOR and make adjustments as appropriate. The CONTRACTOR shall then prepare a formal typed application using the informally approved amounts and submit three (3) complete sets to the ENGINEER.
- C. When the ENGINEER finds the application properly completed and correct, as informally approved, he will transmit it to the OWNER for payment with a copy to the CONTRACTOR.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01030

SPECIAL PROJECT PROCEDURES

PART 1 GENERAL

1.01 WORKMANSHIP, MATERIAL AND EQUIPMENT

- A. When a particular product is specified or called for, it is intended and shall be understood that the Contractor include those products in his bid. Should the Contractor desire to substitute products which he purports to be equal to those specified, the Contractor shall furnish information as described in Section 00700, General Conditions, The alternative products(s) submitted by the Contractor shall meet the requirements of the specifications and shall, in all respects, be equal to the products specified by name herein.
- B. All apparatus, mechanism, equipment, machinery, and manufactured articles for incorporation into the Work shall be new and unused and the standard products of recognized reputable manufacturers.

1.02 PROVISIONS FOR CONTROL OF EROSION AND POLLUTANTS

Sufficient precautions shall be taken during construction to minimize the runoff of polluting substances such as silt, clay, fuels, oils, bitumens, calcium chloride, or other materials harmful to humans, fish, or other life, into the ground and surface waters of the state. Contractor will give all notices and comply with all laws, notices, ordinances, rules and regulations applicable to the work, without exception.

1.03 ON-SITE STORAGE

The Contractor's attention is invited to special storage requirements and possible charges for noncompliance of on-site storage requirements for materials and equipment as specified in Section 01600.

1.04 INCLEMENT WEATHER

- A. In the event of inclement weather, or whenever Engineer shall direct, Contractor and Subcontractors will protect carefully the work and materials against damage or injury from the weathers, including sudden rises in flows due to storms outside the immediate construction zone. Damaged Work and materials shall be removed and replaced. If, in the opinion of Engineer, any portion of Work or materials shall have been damaged or injured by reason of failure on the part of the Contractor or Subcontractors to so protect the Work, no additional time for removal and replacement will be given by the Owner.

1.05 WARRANTIES

- A. All work supplied under the Contract shall be warranted for a period of one (1) year or such longer period of time as may be prescribed by any special guarantee required by Change Orders or issued by Subcontractor, suppliers, or manufacturers, from the date of acceptance for operations (beneficial use) by the Owner as specified in Section 01740, Warranties and Bonds.
- B. The work shall be warranted to be free from defects in workmanship, design and materials. If any part of the work should fail during warranty period, it shall be replaced or restored to service at no expense to the Owner.

1.06 CONSTRUCTION CONDITIONS

The Contractor shall strictly adhere to the specific requirements of the governmental units(s) or agency(ices) having jurisdiction over the work. Wherever there is a difference in the requirements of a jurisdictional body and these Specifications, the more stringent shall apply.

1.07 PUBLIC NUISANCE

The Contractor shall not create a public nuisance, including, but not limited to, encroachment on adjacent lands, flooding of adjacent lands, or excessive noise.

1.08 SUSPENSION OF WORK DUE TO WEATHER

During inclement weather, all work which might be damaged or rendered inferior by such weather conditions shall be suspended. The orders and decisions of the Engineer as to suspensions shall be final and binding. The authority of the Engineer to issue such an order shall not be interpreted as a requirement to do so. During suspension of the work from any cause, the work shall be suitably covered and protected so as to preserve it from injury by the weather. Notwithstanding this provision, it is understood and agreed that the General Conditions shall control.

1.09 RELOCATIONS

The Contractor shall be responsible for the relocation of structures, including, but not limited to, light poles, signs, sign poles, fences, mailboxes, piping, conduits and drains that interfere with the positioning of the work as set out on the Drawings. The cost of all such relocations shall be included in the bid.

1.10 SALVAGE

Any existing equipment or materials, including, but not limited to, valves, pipes, fittings, couplings, etc., which are removed or replaced as a result of construction under this project may be designated as salvage by the Engineer and, if so, shall be removed and delivered to the Owner at a location directed by the Engineer.

1.11 PERMITS

Upon notice of award, the Contractor shall immediately apply for all applicable permits not previously obtained by the Owner to do the work from the appropriate governmental agency or agencies. No work shall commence until all applicable permits have been obtained and copies delivered to the Engineer. The costs for obtaining all permits shall be borne by the Contractor.

1.12 HAZARDOUS LOCATION

- A. The existing wet wells, manholes, sewers, force mains, pipes, and other related areas are hazardous locations in that explosive concentrations of sewage gas may be present. The Contractor is cautioned that the above areas, especially the wet well, may be deficient in oxygen. Checks shall be made by the Contractor whenever personnel are working in these areas to insure that adequate ventilation has been provided.
- B. In his operations in hazardous locations, the Contractor shall use spark-proof tools and explosion-proof temporary lighting and shall not use electric power tools, open flame devices, electric welding or any device or methods which might conceivably cause ignition or explosion.
- C. If a working is atmosphere is unsafe, the Contractor shall furnish, install, operate, and later remove such temporary auxiliary ventilating facilities as are necessary to provide a safe atmosphere.
- D. The Contractor shall also instruct and caution his employees and the employees of his subcontractors to avoid smoking while in the hazardous areas. Suitable prominent "No Smoking" signs shall be placed at locations where sewage gas could be present.

1.13 NOTIFICATION OF WORK ON EXISTING FACILITIES

Before commencing work on any of the existing structures or equipment, the Contractor shall notify the Engineer, in writing, at least ten (10) calendar days in advance of the date he proposes to commence such work.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01041

PROJECT COORDINATION

PART 1 GENERAL

1.01 Work Progress

The CONTRACTOR shall furnish personnel and equipment which will be efficient, appropriate, and large enough to secure a satisfactory quality of work and a rate of progress which will insure the completion of the work within the time stipulated in the contract. If at any time such personnel appear to the ENGINEER to be inefficient, inappropriate, or insufficient for performing the quality of work required or for producing the rate of progress aforesaid, he may order the CONTRACTOR to increase the efficiency, change the character or increase the personnel and equipment, and the CONTRACTOR shall conform to such order at his own expense. Failure of the ENGINEER to give such order shall in no way relieve the CONTRACTOR of his obligations to perform the work at the specified quality and rate of progress.

1.02 Private Land

The CONTRACTOR shall not enter or occupy private land outside of the OWNER'S land, right-of-ways, or servitudes except by written permission of both the OWNER and the Owner of the private land. Such permission shall be obtained by and at the expense of the CONTRACTOR and at no additional cost to the OWNER.

1.03 Work Locations

Work shall be located substantially as indicated on the Drawings, but the Engineer reserves the right to make such modifications in locations as may be found desirable to avoid interference with existing structures or for other reasons.

1.04 Open Excavations

All open excavations shall be adequately safeguarded by providing temporary barricades, caution signs, lights and other means to prevent accidents to persons and damage to property. The CONTRACTOR shall, at his own expense, provide suitable and safe bridges and other crossings for accommodating travel by the public, OWNER'S and ENGINEER'S personnel, and workmen.

1.05 Test Pits

Test pits for the purpose of locating underground utilities or structures which may interfere with installation of the Work shall be excavated in advance of the Work and backfilled by the CONTRACTOR. Test pits shall be backfilled immediately after their purpose has been satisfied and maintained in a manner satisfactory to the ENGINEER. The costs for such test pits shall be included in the cost of the work for which the test pits benefit.

1.06 Water for Construction Purposes

- A. In locations where public water supply is available, the CONTRACTOR shall purchase water for all construction purposes.
- B. The CONTRACTOR shall make his own arrangements and pay all costs for connections to public water systems and for water used. Existing OWNER supplies or connections shall not be used without prior approval by OWNER.

1.07 Maintenance of Flow

The CONTRACTOR shall maintain the flow of sewers, drains, and water courses interrupted during the progress of the Work, including complete pumped bypass systems where necessary. The CONTRACTOR shall immediately remove all offensive matter. The entire procedure of maintaining existing flow shall be fully discussed with the ENGINEER well in advance of the interruption of any flow. All temporary works installed for flow maintenance shall be removed when the permanent work is finished and the areas cleaned and restored to good condition.

1.08 Protection of Construction and Equipment

- A. All newly constructed work shall be carefully protected from injury in any way. No wheeling or walking or placing of heavy loads on it shall be allowed. All portions of the work injured shall be reconstructed by the CONTRACTOR at his own expense.
- B. All structures shall be protected in a suitable manner. Should any parts of the structures become heaved, cracked or otherwise damaged, all such damaged portions of the work shall be completely repaired and made good by the CONTRACTOR at his own expense and to the satisfaction of the ENGINEER. If, in the final inspection of the work, any defects, faults or omissions are found, the CONTRACTOR shall cause the same to be repaired or removed and replaced by proper materials and workmanship without extra compensation for the materials and labor required. Further, the CONTRACTOR shall be fully responsible for the satisfactory maintenance and repair of the construction and other work undertaken herein for at least the guarantee period described in the contract.
- C. The CONTRACTOR shall take all necessary precautions to prevent damage to any structure due to water pressure (groundwater or surface water) during and after construction and until such structure is accepted and taken over by the OWNER.
- D. The CONTRACTOR is responsible for security of the site. Security of all equipment, material, tools, machinery, supplies, structures, buildings, vehicles and offices is the responsibility of the CONTRACTOR. Measures to affect job site security and limit unauthorized access, including temporary fencing, security guards, and other measures are the responsibility of the CONTRACTOR at his expense.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01041.1

UTILITIES COORDINATION

PART 1 GENERAL

1.01 UTILITIES

Utilities for the purpose of these specifications shall be considered as including, but not limited to: pipelines, conduits, cables, transmission lines and appurtenances of Public Utilities and those of Special Utility Districts, Cities or Towns, businesses or individuals solely for their own use or for use of their tenants; and storm drains, sanitary sewers, street lighting, traffic signal and fire alarm systems.

1.02 UNDERGROUND INSTALLATIONS

Existing underground pipelines and utilities are indicated on the Drawings only to the extent such information was made available to or discovered by Engineer in preparing drawings. There is no guarantee as to the accuracy or completeness of such information, and all responsibility for the accuracy and completeness thereof is expressly disclaimed by the Owner and the Engineer.

1.03 UTILITIES LOCATED IN CITY RIGHT-OF-WAY

Unless otherwise provided or excepted herein, the removal, adjusting, relocation, or replacement of utility structures or facilities within City right-of-way which may be necessary for construction of the work in accordance with these Contract Documents, shall be at the expense of the Contractor.

It shall be the Contractor's responsibility to protect and maintain those utilities which, in the opinion of the Engineer, do not need to be disturbed in order to accomplish the work required by the contract.

1.04 RELOCATIONS OF EXISTING GAS LINES, TELEPHONE LINES, ELECTRIC LINES, CABLE TV LINES AND WATER LINES

The Contractor shall notify the proper authority of the utility involved when relocation of these lines is required. The Contractor shall coordinate all work by the utility so that the progress of construction will not be hampered.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 GENERAL

The Contractor, when the Notice to Proceed is received, shall notify the owners of utilities affected by the work, the approximate date upon which he will begin work, and shall submit a progress schedule of the proposed work. This shall be deemed sufficient notice if the project progresses

according to the progress schedule submitted with the notification. If changes in the schedule of the work occur, the Contractor shall appraise both the owner of the utility affected and the Engineer so that adjustments in the work schedule of utility can be made. The Contractor shall be responsible for damages to the utility facility and construction delays resulting from failure to notify the utility and the Engineer of changes in procedure or location.

3.02 PROTECTION OF EXISTING UTILITIES

- A. The attention of the Contractor is drawn to the fact that during excavation, the possibility exists of the Contractor encountering various water, gas, telephone, electrical, or other utility lines not shown on the Drawings. The Contractor shall exercise extreme care before and during excavation to locate and flag these lines so as to avoid damage to the existing lines. Should damage occur to an existing line, the Contractor shall repair the line at no cost to the Owner.
- B. The Contractor shall assume full responsibility for the protection of all utilities, public and private, including poles, services to buildings, gas pipes, water pipes, hydrants, sewers, drains, and electric and telephone cables, whether or not they are shown on the Drawings. The Contractor shall carefully support and protect all such utilities from injury of any kind. Any damage resulting from the Contractor's operation shall be repaired by him at his expense.

The protection and preservation of utility facilities which are located within the right-of-way, but outside the normal limits of construction, as determined by the Engineer, shall be the responsibility of the Contractor. The Contractor shall be responsible for all damage to utilities which are due to his negligence.

- C. The Contractor shall bear full responsibility for obtaining locations of all underground structures and utilities (including existing water services, drain lines, and sewer). Services to buildings shall be maintained, and all costs or charges resulting from damage thereto shall be paid by the Contractor.
- D. If, in the opinion of the Engineer, permanent relocation of a utility owned by the City is required, he may direct the Contractor, in writing, to perform the work. Work so ordered will be paid for at the Contract unit prices, if applicable, or as extra work under Article 10 of the General Conditions. If relocation of a privately owned utility is required, the Contractor will notify the Utility to perform the work as expeditiously as possible. The Contractor shall fully cooperate with the County and Utility and shall have no claim for delay due to such relocation.
- E. The Contractor shall notify public and private utility companies in writing at least two, but not more than five full days (excluding Saturdays, Sundays, and legal holidays) before excavating near their utilities.

3.03 UTILITIES TO BE ADJUSTED

The owners of utility facilities which require relocation, removal, adjustment or replacement shall, if possible and feasible, perform this work prior to the commencement of the Contractor's work. Where utility work must be done in conjunction with the Contractor's work on the project or in conjunction

with the work of other utilities, arrangements for when, how and where the operation is to proceed shall be worked out among the parties concerned. If disputes arise, the Engineer shall decide the course of action to be taken.

3.04 UTILITIES CONFLICTING WITH OPERATIONS

Those utility facilities which do not conflict with the improvement, but which are obstructions to the operations required for installation or which are obstructions to the operations required for installation of which present unusual difficulty due to their close proximity to the area of the operations, shall be located with certainty by the owners of the utility prior to the arrival of the Contractor's operation which would be hindered by the utility facility. The Contractor is required to preserve the utility facility in place without damage and shall be responsible for damages sustained, if the utility owner has located the facility by exposing it to the view of the Contractor or has otherwise made the Contractor aware, with certainty, of the location of the facility. Any other arrangements that the Contractor may make with a utility owner as a substitute for the requirements of this Section shall require the approval of the Engineer, in writing.

3.05 MISLOCATED UTILITIES

The owner of a utility shall be wholly responsible for the proper location of his facilities which are affected by construction work performed according to these specifications. Improperly located or mislocated facilities which are damaged during construction shall be the responsibility of the utility, providing proper notification has been given.

*** * END OF SECTION * ***

SECTION 01045
CUTTING AND PATCHING

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Contractor shall be responsible for all cutting, fitting and patching, including attendant excavation and backfill, required to complete the Work to include:

- A. Make its several parts fit together properly.
- B. Uncover portions of the Work to provide for installation of ill-timed work.
- C. Remove and replace defective work.
- D. Remove and replace work not conforming to requirements of the Contract Documents
- E. Remove samples of installed work as specified for testing.

1.02 SUBMITTALS

- A. Submit a written request to the Engineer well in advance of executing any cutting or alteration which affects:
 - 1. Work of the Owner or any separate contractor.
 - 2. Structural value or integrity of any element of the Project or work.
 - 3. Integrity or effectiveness of weather-exposed or moisture-resistant elements or systems.
 - 4. Efficiency, operational life, maintenance or safety of operational elements.
 - 5. Visual qualities of sight-exposed elements.
- B. Request shall include:
 - 1. Identification of the work.
 - 2. Description of affected work.
 - 3. The necessity for cutting, alteration or excavation.
 - 4. Effect on work of Owner or any separate Contractor, or on structural or weatherproof integrity of work.

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5. Description of proposed work:
 - a. Scope of cutting, patching, alteration, or excavation.
 - b. Trades who will execute the work.
 - c. Products proposed to be used.
 - d. Extent of refinishing to be done.
 6. Alternatives to cutting and patching.
 7. Cost proposal, when applicable.
- C. Submit written notice to the Engineer designating the date and the time the work will be uncovered.

PART 2 PRODUCTS

2.01 MATERIALS

Comply with specifications and standards for each specific product involved.

PART 3 EXECUTION

3.01 INSPECTION

- A. Inspect existing conditions of Project, including elements subject to damage or to movement during cutting and patching.
- B. After uncovering work, inspect conditions affecting installation of products or performance or work.
- C. Report unsatisfactory or questionable conditions to the Engineer in writing; do not proceed with work until the Engineer has provided further instructions.

3.02 PREPARATION

- A. Provide adequate temporary support as necessary to assure structural value or integrity of affected portion of Work.
- B. Provide devices and methods to protect other portions of Project from damage.
- C. Provide protection from elements for the portion of the Project which may be exposed by cutting and patching work, and maintain excavations free from water.

3.03 PERFORMANCE

- A. Execute cutting and demolition by methods which will prevent damage to other work and will provide proper surfaces to receive installation of repairs.
- B. Execute excavating and backfilling by methods which will prevent settlement or damage to other work.
- C. Employ original installer or fabricator to perform cutting and patching for:
 - 1. Weather-exposed or moisture-resistant elements.
 - 2. Sight-exposed finished surfaces.
- D. Execute fitting and adjustment of products to provide a finished installation to comply with specified products, functions, tolerances and finishes.
- E. Restore work which has been cut or removed; install new products to provide completed work in accord with requirements of Contract Documents.
- F. Refinish entire surfaces as necessary to provide an even finish to match adjacent finishes:
 - 1. For continuous surfaces, refinish to nearest intersection.
 - 2. For an assembly, refinish entire unit.

*** * END OF SECTION * ***

SECTION 01050

FIELD ENGINEERING

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. The Contractor shall provide and pay for field engineering services for:
 - 1. Survey work required in execution of work.
 - 2. Civil, structural, or other professional engineering services specified or required to execute the Contractor's construction method.
- B. The method of field staking for the construction of the work shall be at the option of the Contractor. The Owner shall provide the engineering surveys to establish reference points which in his judgment are necessary to enable the Contractor to proceed with his work.
- C. The accuracy of any method of staking shall be responsibility of the Contractor. All engineering for vertical and horizontal control shall be the responsibility of the Contractor.
- D. The Contractor shall be held responsible for the preservation of all stakes and marks. If any stakes or marks are carelessly or willfully disturbed by the Contractor, the Contractor shall not proceed with any work until he has reestablished such points, marks, lines and elevations as may be necessary for the prosecution of the work.
- E. The Contractor shall retain the services of a competent surveyor, registered in the State of Mississippi, to layout the work and maintain a survey during construction. The Contractor shall be solely responsible for proper location of the work.

1.02 SURVEY REFERENCE POINTS

Locate and protect control points prior to starting site work, and preserve all permanent reference points during construction.

- 1. Make no changes or relocations without prior written notice to the Engineer.
- 2. Report to the Engineer when any reference point is lost or destroyed or requires relocation because of necessary changes in grades or locations.

1.03 PROJECT SURVEY REQUIREMENTS

- A. Establish temporary bench marks as needed, referenced to data established by survey control points. Record locations, with horizontal and vertical data, on Record Drawings.
- B. Establish lines and levels, and locate and lay out, by instrumentation and similar appropriate

means:

1. Site improvements, including utility slopes and invert elevations.
 2. Batter boards for structures.
- C. From time to time, verify layouts by same methods.
- D. Establish all lines and grades prior to construction of site improvements.

1.04 RECORDS

- A. Maintain a complete, accurate log of all control and survey work as it progresses.
- B. At Contract closeout, submit a survey of installation of water mains, fire hydrants, and valves at the same scale as the Engineer's drawings indicating elevations and channel stationing at 100 foot increments.

1.05 SUBMITTALS

- A. On request of the Engineer, submit documentation to verify accuracy of field engineering work.
- B. Submit Drawings showing locations of all pipes and structures constructed. This Drawing shall be included with the Record Drawings.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01060

REGULATORY REQUIREMENTS

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Abbreviations and acronyms used in Contract Documents to identify reference standards are as indicated herein.

1.02 QUALITY ASSURANCE

- A. Applications: When a standard is specified by references, comply with requirements and recommendations stated in the standard, except when requirements are modified by the Contract Documents, or applicable codes establish stricter standards.
- B. Publications Date: The publication in effect on the date of issue of Contract Documents, except when a specific publication date is specified.

1.03 ABBREVIATIONS, NAMES, AND ADDRESSES OF ORGANIZATIONS

The following standards may be referenced in the Contract Documents. The contractor shall obtain copies of reference standards directly from the publication source when needed for proper performance of Work or when required for submittal by Contract Documents.

AAN	American Association for Nurserymen 1250 I Street N.W., Suite 500 Washington, DC 20005 (202) 789-2900
AASHTO	American Association of State Highway and Transportation Officials 444 North Capitol Street, N.W., Suite 225 Washington, DC 20001 (202) 624-5800
ACI	American Concrete Institute Post Office Box 19150 22400 W. Steven Mile Road Detroit, MI 48219 (313) 532-2600
ACPA	American Concrete Pipe Association 8320 Old Courthouse Road, Suite 201 Vienna, VA 22180 (703) 821-1990
AI	Asphalt Institute

	Asphalt Institute Building College Park, MD 20740-1802
AISC	American Institute of Steel Construction 400 North Michigan Avenue Chicago, IL 60611 (312) 670-2400
AISI	American Iron and Steel Institute 1133 15th Street N.W., Suite 300 Washington, DC 20005 (202) 452-7100
ANSI	American National Standard Institute 1430 Broadway New York, NY 10018 (212) 354-3300
ASCE	American Society of Civil Engineers 345 East 47th Street New York, NY 10017 1-800-548-ASCE 345 East 47th Street New York, NY 10017 (212) 705-7722
ASTM	American Society for Testing and Materials 1916 Race Street Philadelphia, PA 19103 (215) 299-5400
AWPA	American Wood Preserver's Association Post Office Box 849 Stevensville, MD 21666 (301) 643-4163
AWS	American Welding Society Post Office Box 351040 550 LeJeune Road, N.W. Miami, FL 33126 1-800-443-9353
AWWA	American Water Works Association 6666 W. Quincy Avenue Denver, CO 80235 (303) 794-7711
CLFMI	Chain Link Fence Manufacturers Institute

	1776 Mass Avenue N.W., Suite 500 Washington, DC 20036 (202) 659-3537
CRSI	Concrete Reinforcing Steel Institute 933 N. Plum Grove Road Schaumburg, IL 60173 (312) 517-1200
DIPRA	Ductile Iron Pipe Research Association 245 Rivercase Parkway E., Suite 100 Birmingham, AL 35244 (205) 988-9870
FS	Federal Specification General Services Administration Specifications and Consumer Information & Distribution Section (WFSIS) 7 and D Street S.W., Room 654 Washington, DC 20407 (202) 472-2140
IEEE	Institute of Electrical and Electronic Engineers Service Center 345 E. 47th Street New York, NY 10017 (212) 705-7900
MDOT	Mississippi Department of Transportation P. O. Box 1850 Jackson, Ms 39215-1850 (601) 359-1213
MIL	Department of the Navy Navel Publications and Forms Center 5801 Torbor Avenue Philadelphia, PA 19120-5099 (215) 697-2667
NEC	National Electric Code National Fire Protection Association Batterymarch Park Quincy, MA 02269 (617) 770-3000
NEMA	National Electrical Manufacturer's Association 2101 L Street, NW, Suite 300 Washington, DC 20037 (202) 457-8400
NSPE	National Society of Professional Engineers

	1420 King Street Alexandria, VA 22314 (703) 684-2835
OSCI	Office of Standards Code and Information National Bureau of Standards Gaithersburg, MD 20899 (301) 975-4029
PCA	Portland Cement Association 5420 Old Orchard Road Skokie, IL 60077 (312) 966-6200
PCI	Prestressed Concrete Institute 175 W. Jackson Blvd., Suite 1859 Chicago, IL 60604 (312) 786-0300
SMACNA	Sheet Metal and Air Conditioning Contractors' National Association Post Office Box 70 Merrifield, VA 22116 (703) 790-9890
SSPC	Steel Structures Painting Council 4400 5th Avenue Pittsburgh, PA 15213 (412) 268-3327
UL	Underwriter's Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062 (312) 272-8800

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01200
PROJECT MEETINGS

PART 1 GENERAL

1.01 Requirements Included

- A. The ENGINEER shall schedule and administer a preconstruction meeting, construction progress meetings, and specially called meetings throughout the progress of the work. The ENGINEER will:
 - 1. Prepare agenda for meetings.
 - 2. Make physical arrangements for meetings.
 - 3. Preside at meetings.
 - 4. Record the minutes; include significant proceedings and decisions.
 - 5. Reproduce and distribute copies of minutes.
- B. The CONTRACTOR and representatives of, where appropriate, subcontractors and suppliers shall attend meetings. The representative shall be qualified and authorized to act on behalf of the entity each represents.
- C. The CONTRACTOR shall attend and identify at the meetings the actual status of the Contract Work and, when the Work is not being performed consistently with the Contract Documents and construction schedules, shall identify at the meetings the steps he is taking to resolve the inconsistency.

1.02 Pre-construction Meeting

- A. The CONTRACTOR shall participate in a preconstruction meeting to be held after the effective date of the Agreement and prior to the date of Notice to Proceed.
- B. The following are expected to be in attendance:
 - 1. OWNER'S Representative and other staff as appropriate.
 - 2. ENGINEER and his professional consultants as appropriate.
 - 3. ENGINEER's Resident Project Representative.
 - 4. CONTRACTOR's Representative and Construction Superintendent.
 - 5. Subcontractors as appropriate.
 - 6. Utility representatives as appropriate.
 - 7. Others as appropriate.
- C. The following matters are expected to be addressed:
 - 1. Distribution and discussion of:
 - a. List of major subcontractors.
 - b. Project construction schedules.
 - 2. Critical work sequencing.
 - 3. Project Coordination.
 - 4. Designation of responsible personnel.

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5. Procedures and processing of:
 - a. Field decisions.
 - b. Proposal requests.
 - c. Submittals.
 - d. Change Orders.
 - e. Applications for Payment.
 6. Distribution of Contract Documents.
 7. Procedures for maintaining Record Documents.
 8. Use of premises:
 - a. Office, work and storage areas.
 - b. OWNER'S requirements.
 9. Construction facilities, controls and construction aids.
 10. Temporary utilities.
 11. Housekeeping procedures.
 12. Insurance certifications.
 13. Liquidated damages for delay.
 14. Weekly job meetings.
 15. Laboratory testing of material requirements.

1.03 Construction Progress Meetings

- A. Construction progress meetings will be held monthly with the first meeting 30 days or less after the date of Notice to Proceed.
- B. Special construction progress meetings will be held as required by progress of the Work.
- C. The following are expected to be in attendance:
 1. OWNER Representative and other staff as appropriate.
 2. The ENGINEER and his professional consultants as appropriate.
 3. CONTRACTOR's Representative and/or construction Superintendent.
 4. Subcontractors as appropriate.
 5. Suppliers as appropriate.
 6. Others as appropriate.
- D. The following matters are expected to be addressed:
 1. Review and approve minutes of previous meeting.
 2. Review of work progress.
 3. Field observations, problems, conflicts.
 4. Problems which impede Construction Schedule.
 5. Review of off-site fabrication, delivery schedules.
 6. Corrective measures and procedures to regain Construction Schedule.
 7. Revisions to Construction Schedule.
 8. Progress and schedule during succeeding work period.
 9. Payment applications and processing.
 10. Submittals.
 11. Maintenance of quality standards.
 12. Changes, substitutions, and Change Orders.

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- 13. Review proposed changes for:
 - a. Effect on Construction Schedule and completion date.
 - b. Effect on other contracts of the Project.
 - 14. Other matters as appropriate.
 - 15. Record drawings.
- E. The CONTRACTOR shall be prepared to discuss the above topics and to make commitments for resolving deficiencies.
- F. The CONTRACTOR shall provide a current submittal log at each progress meeting in accordance with Section 01340.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01310
CONSTRUCTION SCHEDULES

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Contractor shall comply with the General Conditions.
- B. Submit revised progress schedules periodically.

1.02 FORM OF SCHEDULES

- A. Prepare schedules in the form of a horizontal bar chart.
 - 1. Provide separate horizontal bar for each trade or operation.
 - 2. Horizontal time scale; identify the first work day of each week.
 - 3. Scale and spacing: To allow for notations and future revisions.
 - 4. Minimum sheet size: 8-1/2 inches by 11 inches.
- B. Format of listings: The table of contents of the Contract Documents.
- C. Identification of listings: Items of work.

1.03 CONTENT OF SCHEDULE:

- A. Construction Progress Schedule:
 - 1. Show the complete sequence of construction by activity.
 - 2. Show the dates for the beginning, and completion of each major element of construction.
 - 3. Show projected percentage of completion for each item, as of the first day of each month.
 - 4. Show an anticipated monthly payment schedule.
- B. Submittal Schedule for Shop Drawings, Product Data and Samples. Show:
 - 1. The dates for Contractor's submittal.
 - 2. The dates approved submittal will be required from the Engineer.

1.04 PROGRESS REVISIONS

- A. Indicate progress of each activity to date of submission.
- B. Show changes occurring since previous submission of schedule:
 - 1. Major changes in scope.
 - 2. Activities modified since previous submission.
 - 3. Revised projections of progress and completion.
 - 4. Other identifiable changes.
- C. Provide a narrative report as needed to define:
 - 1. Problem areas, anticipated delays, and the impact on the schedule.
 - 2. Corrective action recommended, and its effect.

1.05 SUBMISSIONS

- A. Submit initial schedules in accordance with the General Conditions.
 - 1. Engineer will review schedules and return review copy within ten (10) days after receipt.
 - 2. If required, Contractor shall resubmit within seven (7) days after return of review copy.
- B. Submit revised progress schedules with each Application for Payment.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01340

SHOP DRAWINGS, PROJECT DATA, AND SAMPLES

PART 1 GENERAL

1.01 Requirements Included:

- A. The Contractor shall submit to the Engineer for review and exception, if any, such working drawings, shop drawings, test reports and data on materials and equipment (hereinafter in this article called data), and material samples (hereinafter in this article called samples) as are required for the proper control of work, including but not limited to those working drawings, shop drawings, data and samples for materials and equipment specified elsewhere in the Specifications and in the Contract Drawings.
- B. Within fifteen (15) calendar days after the Effective Date of the Agreement, the Contractor shall submit to the Engineer a complete list of preliminary data on items for which Shop Drawings are to be submitted. Included in this list shall be the names of all proposed manufacturers furnishing specified items. Review of this list by the Engineer shall in no way relieve the Contractor from submitting complete shop drawings, data, and samples in accordance with the Specifications. This procedure is required in order to expedite final review of Shop Drawings.
- C. The Contractor is to maintain an accurate updated submittal log and will bring this log to each scheduled progress meeting. This log should include the following items:
 - 1. Submittal Description and Number assigned.
 - 2. Date to Engineer.
 - 3. Date returned to Contractor (from Engineer).
 - 4. Status of Submittal (No exceptions taken, returned for confirmation or resubmittal, rejected).
 - 5. Date of Resubmittal and Return (as applicable).
 - 6. Date material released (for fabrication).
 - 7. Projected date of fabrication.
 - 8. Projected date of delivery to site.
 - 9. Status of O&M manuals submittal.

1.02 Contractor's Responsibility

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- A. It is the duty of the Contractor to check all drawings, data and samples prepared by or for him before submitting them to the Engineer for review. Each and every copy of the Drawings and data shall bear Contractor's stamp showing that they have been so checked. Shop drawings submitted to the Engineer without the Contractor's stamp or evidence that the Contractor has not performed the required review will be returned to the Contractor for conformance with this requirement. Shop drawings shall indicate any deviations in the submittal from requirements of the Contract Documents.
- B. Determine and verify:
1. Field measurements.
 2. Field construction criteria.
 3. Catalog numbers and similar data.
 4. Conformance with Specifications and indicate all variances from the Specifications.
- C. The Contractor shall furnish the Engineer a schedule of Shop Drawing submittals fixing the respective dates for the submission of shop and working drawings, the beginning of manufacture, testing and installation of materials, supplies and equipment. This schedule shall indicate those that are critical to the progress schedule.
- D. The Contractor shall not begin any of the work covered by a drawing, data, or a sample returned for correction until a revision or correction thereof has been reviewed and returned to him by the Engineer with no exceptions taken.
- E. The Contractor shall submit to the Engineer all drawings and schedules sufficiently in advance of construction requirements to provide no less than twenty-one (21) calendar days for checking and appropriate action from the time the Engineer receives them.
- F. The Contractor shall submit five (5) copies of shop drawings and descriptive or product data submittal to complement shop drawings to the Engineer which will be retained for his use.
- G. The Contractor shall be responsible for and bear all cost of damages which may result from the ordering of any material or from proceeding with any part of work prior to the completion of the review by Engineer of the necessary shop drawings.
- H. The Contractor shall utilize a Sequential Numbering System for submittals (1-999). Resubmittals or confirming material shall be assigned a letter next to the submittal number, i.e. A= second submittal, B= third submittal, etc.
- I. Submittals shall include a certified statement of compliance to the requirements detailed in the specifications in addition to other submittal requirements. This certification shall be prepared by the manufacturer and not the local supplier. Validity of the authority and position of the person signing the certification shall be verified by a Notary Public. The statement of compliance shall address each point of conformance contained in the governing specifications with definite comments of either compliance or non-compliance. Statements of non-compliance with points of conformance shall be accompanied by a statement of

justification as to the reason for non-conformance and why the non-complying feature is considered to be either equal to or better than the specified feature. The Engineer will use the certified statement of compliance in his evaluation of the submittal rendering a judgment as to equality to the specified product and issuing a statement as to whether the product is acceptable for or rejected from incorporation into the work.

- J. When a manufacturer named in the controlling specification is chosen to supply a product and the details of manufacture, size, and installation are shown on this standard catalog cut sheets, the manufacturer may submit the certified statement of compliance as detailed above along with installation details specific to the work such as laying schedules, etc. as required, deleting the standardized catalog data.

1.03 Engineer's Review of Shop Drawings

- A. The Engineer's review of drawings, data and samples submitted by the Contractor will cover only general conformity to the Specifications, external connections, and dimensions which affect the installation.
- B. The review of drawings and schedules will be general, and shall not be construed:
1. as permitting any departure from the Contract requirements;
 2. as relieving the Contractor of responsibility for any errors, including details, dimensions, omissions and materials;
- C. If the drawings or schedules as submitted describe variations per subparagraph (1.04.D), and show a departure from the Contract requirements which Engineer finds to be in the best interest of the Owner and to be so minor as not to involve a change in Contract Price or Time, The Engineer may return the reviewed Drawings without noting any exception.
- D. After the ENGINEER completes his review, the Shop Drawings will be marked with one of the following notations:
1. No Exceptions Taken.
 2. Make Corrections Noted.
 3. Revise and Resubmit.
 4. Rejected.
 5. Submit Specified Item.
- E. If a submittal is acceptable, it will be marked "No Exception Taken" or "Make Corrections Noted". Three copies of the submittal will be returned to the CONTRACTOR.
- F. Upon return of a submittal marked "No Exception Taken" or "Make Corrections Noted", the CONTRACTOR may order, ship or fabricate the materials included on the submittal, provided it is in accordance with the corrections indicated.
- G. If a Shop Drawing action is "Make Corrections Noted" but has extensive corrections or corrections affecting other drawings or Work, the ENGINEER may require that the CONTRACTOR make the corrections indicated thereon and resubmit the Shop Drawings for

record purposes. In this case, the submittal will be marked "Make Corrections Noted-Resubmit".

- H. If a submittal is unacceptable, two copies will be returned to the CONTRACTOR with one of the following notations:
 - 1. "Revise and Resubmit"
 - 2. "Rejected"
- I. Upon return of a submittal marked "Revise and Resubmit", the CONTRACTOR shall make the corrections indicated and repeat the initial approval procedure. The "Rejected" notation is used to indicate material or equipment that is not acceptable. Upon return of a submittal so marked, the CONTRACTOR shall repeat the initial approval procedure utilizing acceptable material or equipment.
- J. Submittals lacking adequate details or information to allow the ENGINEER to determine whether or not the submittal meets the intent of the Contract specifications shall be marked "Submit Specified Item" and returned without further comment.
- K. Shop Drawings or other submittals not bearing the ENGINEER'S "No Exception Taken" or "Make Corrections Noted" notations shall not be issued to Subcontractors nor utilized for construction purposes. No Work shall be performed or equipment installed without a drawing or submittal bearing one of these notations.
- L. In the event the CONTRACTOR obtains the ENGINEER'S approval for the use of equipment other than that which is shown or specified, the CONTRACTOR shall, at his own expense and using methods approved by the ENGINEER, make all changes to the Work, including structures, piping, electrical, equipment and controls, that may be necessary to accommodate this equipment.
- M. Resubmittals will be handled in the same manner as first submittals. The Contractor shall direct specific attention to revisions other than the corrections requested by the Engineer on previous submissions by written details or markings on the resubmitted Shop Drawings. The Contractor shall make any corrections required by the Engineer.
- N. If the Contractor considers any correction indicated on the Drawings to constitute a change to the Contract Drawings or Specifications, the Contractor shall give written notice thereof to the Engineer.
- O. The Engineer will review a submittal/resubmittal a maximum of three times after which cost of review will be borne by the Contractor. The cost of engineering shall be equal to the Engineer's charges to the Owner under the terms of the Engineer's agreement with the Owner.
- P. When the Shop Drawings have been completed to the satisfaction of the Engineer, the Contractor shall carry out the construction in accordance therewith and shall make no further changes therein except upon written instructions or approval from the Engineer.

Q. No partial submittals will be reviewed. Submittals not complete will be returned to the Contractor, and will be considered "NOT APPROVED" until resubmitted.

1.13 SHOP DRAWINGS

- A. Shop drawings shall be complete and detailed.
- B. Drawings and schedules shall be checked and coordinated with the work of all trades involved, before they are submitted for review by the Engineer and shall bear the Contractor's stamp of approval as evidence of such checking and coordination. Drawings or schedules submitted without this stamp of approval shall be returned to the Contractor for resubmission.
- C. Each shop drawing shall have a blank area 3-1/2 inches by 3-1/2 inches, located adjacent to the title block. The title block shall display the following:
 - 1. Number and title of the drawing.
 - 2. Date of drawing or revision.
 - 3. Name of project building or facility.
 - 4. Name of contractor and subcontractor submitting drawing.
 - 5. Clear identification of contents and location of the work.
 - 6. Specification number and title.
- D. If Drawings show variations from Contract requirements because of standard Shop practice or other reasons, the Contractor shall describe such variations in his letter of transmittal. If acceptable, proper adjustment in the Contract shall be implemented where appropriate. If the Contractor fails to describe such variations, he shall not be relieved of the responsibility for executing the work in accordance with the Contract, even though such Drawings have been reviewed.
- E. Data on materials and equipment include, without limitation, materials and equipment lists, catalog data sheets, cuts, performance curves, diagrams, materials of construction and similar descriptive material as required. Materials and equipment lists shall give for each item thereon the name and location of the supplier or manufacturer, trade name, catalog reference, size, finish, and all other pertinent data.
- F. The Contractor shall provide a list including the equipment name, address, and telephone number of the manufacturer's representative and service company so that service and/or spare parts can be readily obtained for all mechanical and electrical equipment furnished.
- G. All manufacturers or equipment suppliers who proposed to furnish equipment or products shall submit an installation list to the Engineer along with the required Shop Drawings. The

installation list shall include at least five installations where identical equipment has been installed and has been in operation for a period of at least one (1) year.

- H. Only the Engineer will utilize the color red in marking Shop Drawing submittals.
- I. Before final payment is made, the Contractor shall furnish to Engineer five (5) sets of record shop drawings all clearly revised, complete and up to date showing the permanent construction as actually made for all reinforcing and structural steel, miscellaneous metals, process and mechanical equipment, yard piping, electrical system and instrumentation system.

1.13 Working Drawings

- A. Working drawings shall be considered to mean the Contractor's plans for temporary structures.
- B. Copies of working drawings as noted in subparagraph 1.02, shall be submitted to the Engineer where required by the Contract Documents or requested by the Engineer, and shall be submitted at least thirty (30) calendar days (unless otherwise specified by the Engineer) in advance of their being required for work.
- C. The Engineer will not review working drawings but shall use them as information to monitor the work performed by the Contractor.

1.14 Samples

- A. The Contractor shall furnish for the review of the Engineer samples required by the Contract Documents or requested by the Engineer. Samples shall be delivered to the Engineer as specified or directed and the Contractor shall prepay all shipping charges. Materials or equipment for which samples are required shall not be used in work until reviewed by the Engineer.
- B. Samples shall be of sufficient size and quantity to clearly illustrate:
 - 1. Functional characteristics of the product, with integrally related parts and attachment devices.
 - 2. Name of Contractor and Subcontractor
 - 3. Material or Equipment represented
 - 4. Place of Origin
 - 5. Name of Producer and Brand (if any).
 - 6. Location in Project

(Samples of finished materials shall have additional marking that will identify them under the finished schedules.)

- C. The Contractor shall prepare a transmittal letter in triplicate for each shipment of samples containing the information required in subparagraph 1.06B above. He shall enclose a copy of this letter with the shipment and send a copy of this letter to the Engineer under separate cover and the remaining copy shall be for the Contractor's records. Review of a sample shall be only for the characteristics or use named and shall not be construed to change or modify any Contract requirements.
- D. Reviewed samples not destroyed in testing shall be sent to the Engineer or stored at the site of the work. Reviewed samples of the hardware in good condition will be marked for identification and may be used in the work. Materials and equipment incorporated in work shall match the reviewed samples. Samples which failed testing or were rejected will be returned to the Contractor at his expense, if so requested at time of submission.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01410

TESTING LABORATORY SERVICES

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Contractor will employ and pay for the services of an Independent Testing Laboratory to perform testing specifically indicated on the Contract Documents or specified in the Specifications and may at any other time elect to have materials and equipment tested for conformity with the Contract Documents.

- A. Employment of the laboratory shall in no way relieve Contractor's obligations to perform the Work of the Contract.

1.02 LIMITATIONS OF AUTHORITY OF TESTING LABORATORY

Laboratory is not authorized to:

- A. Release, revoke, alter or enlarge on requirements of Contract Documents.
- B. Approve or accept any portion of the Work.
- C. Perform any duties of the Contractor.

1.03 CONTRACTOR'S RESPONSIBILITIES

- A. Cooperate with laboratory personnel; provide access to Work, to Manufacturer's operations.
- B. Secure and deliver to the laboratory adequate quantities of representational samples of materials proposed to be used and which require testing.
- C. Provide to the laboratory the preliminary design mix proposed to be used for concrete, and other materials mixes which require control by the testing laboratory.
- D. Materials and equipment used in the performance of work under this Contract are subject to inspection and testing at the point of manufacture or fabrication. Standard specifications for quality and workmanship are indicated in the Contract Documents. The Owner may require the Contractor to provide statements or certificates from the manufacturers and fabricators that the materials and equipment provided by them are manufactured or fabricated in full accordance with the standard specifications for quality and workmanship indicated in the Contract Documents. All costs of this testing and providing statements and certificates shall be a subsidiary obligation of the Contractor, and no extra charge to the Owner shall be allowed on account of such testing and certification.
- E. Furnish incidental labor and facilities:
 - 1. To provide access to Work to be tested.

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2. To obtain and handle samples at the Project site or at the source of the product to be tested.
 3. To facilitate inspections and tests.
 4. For storage and curing of test samples.
- F. Notify laboratory at least 24 hours in advance of operations to allow for laboratory assignment of personnel and scheduling of tests.
- G. Employ and pay for the services of the same or a separate, equally qualified independent testing laboratory to perform additional inspections, sampling and testing required for the Contractor's convenience and as approved by the Owner.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01600

MATERIAL AND EQUIPMENT

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Material and equipment incorporated into the Work shall:

- A. Conform to applicable specifications and standards.
- B. Comply with size, make, type, and quality specified to the greatest extent possible, detailing all aspects and providing explicit reasons for parameters not in compliance and specifically approved in writing by the Engineer.
- C. Manufactured and Fabricated Products:
 - 1. Design, fabricate, and assemble in accord with the best engineering and standard shop practices.
 - 2. Manufacture like parts of duplicate units to standard sizes and gauges, to be interchangeable.
 - 3. Two or more items of the same kind shall be produced, by the same manufacturer.
 - 4. Products shall be suitable for service conditions.
 - 5. Equipment capacities, sizes and dimensions shown or specified shall be adhered to unless variations are specifically approved in writing.
- D. Do not use material or equipment for any purpose other than that for which it is designed or is specified.

1.02 APPROVAL OF MATERIALS

- A. Only new materials and equipment shall be incorporated in the Work. All materials and equipment furnished by the Contractor shall be subject to the inspection and approval of the Engineer. No material shall be delivered to the Work without prior approval of the Engineer.
- B. The Contractor shall submit to the Engineer, data relating to materials and equipment he proposes to furnish for the work. Such data shall be in sufficient detail to enable the Engineer to identify the particular product along with references to the applicable section(s) of the specifications to form an opinion as to its conformity to the specifications. The data shall comply with Paragraph 1.06 of this Section.
- C. Facilities and labor for handling and inspection of all materials and equipment shall be furnished by the Contractor. If the Engineer requires, the Contractor shall submit samples of materials for such special tests as may be necessary to demonstrate that they conform to the

specifications. Such samples shall be furnished, stored, packed, and shipped as directed at the Contractor's expense. Except as otherwise noted, the Contractor will make arrangements for and pay for the tests. Where such tests confirm compliance with the specifications, the Owner will reimburse the actual charges of the testing firm paid by the Contractor.

- D. Contractor shall submit data and samples sufficiently early to permit consideration, approval, manufacture, and delivery of materials before they are necessary for incorporation in the work. Any delay of approval resulting from the Contractor's failure to submit samples or data promptly shall not be used as a basis of claim against the Owner or the Engineer.
- E. The materials and equipment used in the Work shall correspond to the approved samples or other data.

1.03 MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION

- A. When Contract Documents require that installation of the Work shall comply with manufacturer's printed instructions, obtain and distribute copies of such instructions to parties involved in the installation, including five copies to the Engineer. One complete set of the installation instructions shall be available for use on the job site during and through completion of the Work.
- B. Handle, install, connect, clean, condition and adjust products as required by the manufacturer's instructions and in conformity with specified requirements.
 - 1. Should the specified requirements conflict with the manufacturer's instructions, the manufacturer's instructions shall have priority unless changes are authorized in writing by the manufacturer.
 - 2. Should job conditions conflict with the manufacturer's instructions, consult with the manufacturer for clarification.
 - 3. Clarifications of installation instructions shall be issued only by the manufacturer, shall be in writing, and shall be distributed to all parties involved in the installation as stated above and prior to alteration of the installation procedures.
 - 4. Do not proceed with the Work without clear instructions concerning the specific installation procedures.
- C. Do not omit any preparatory step or installation procedure unless specifically modified or exempted by the manufacturer.

1.04 TRANSPORTATION AND HANDLING

- A. Arrange deliveries of Products as required by the currently approved construction schedule coordinating each delivery to avoid conflict with other work and conditions at the site.
 - 1. Deliver Products in a undamaged condition, in the manufacturer's original containers or packaging and with identifying labels intact and legible.
 - 2. Prior to accepting delivery, inspect shipments to assure compliance with approved submittal, and that the Products have been properly protected and are undamaged.
- B. Provide equipment and personnel to handle Products preventing soiling or damage to the Products or their protective packaging.

1.05 STORAGE AND PROTECTION

- A. Store Products in accord with manufacturer's instruction, with seals and labels intact and legible.
 - 1. Store products subject to damage by the elements in weathertight enclosures.
 - 2. Maintain temperature and humidity within the ranges required by manufacturer's instructions.
 - 3. Store fabricated products above the ground, on blocking or skids, prevent spoiling, staining or corrosion. Cover products which are subject to deterioration with impervious sheet coverings and provide adequate ventilation to avoid condensation.
 - 4. Store loose granular materials in a well-drained area on solid surfaces to prevent mixing with foreign matter.
- B. All materials and equipment to be incorporated in the Work shall be handled and stored in a manner to prevent warping, twisting, bending, breaking, chipping, rusting, and other injury, theft or damage.
- C. Cement and lime shall be stored under a roof and off the ground and shall be kept completely dry at all times. All miscellaneous steel, structural steel and reinforcing steel shall be stored off the ground, kept free of accumulations of dirt and grease, and in areas free of standing water to minimize rusting. Precast concrete sections shall be handled and stored in a manner to prevent staining, chipping or cracking. Brick, block and similar masonry products shall be handled and stored in a manner to reduce staining, breaking, chipping, cracking, and spalling.
- D. All materials which, in the opinion of the Engineer, have become so damaged as to be unfit for the use intended, including aesthetics, shall be promptly removed from the site of the work.
- E. Arrange storage in a manner to provide easy access for inspection. Make periodic inspections and exercise or rotate moving parts of stored products as required by the

manufacturer to assure that products are maintained under specified conditions and free from damage or deterioration.

- F. Provide substantial coverings as necessary to protect installed products from damage caused by traffic and subsequent construction operations. Remove the protective covering when no longer needed.
- G. The Contractor shall be responsible for all material, equipment, and supplies sold and delivered to the Owner under this Contract until final inspection of the Work and acceptance thereof by the Owner. In the event any such material, equipment, and supplies are lost, stolen, damaged, or destroyed prior to final inspection and acceptance they shall be replaced by the Contractor.
- H. Should the Contractor fail to take proper action to properly store and handle equipment supplied under this Contract, the Owner retains the right to notify the Contractor in writing of the deficiencies, to correct all deficiencies and deduct the cost associated with these corrections from the contractor's Contract. These costs may be comprised of expenditures for labor, equipment usage, administration, clerical, engineering and any other costs associated with making the necessary corrections.

1.06 SUBSTITUTIONS AND PRODUCT OPTIONS

A. Products List:

Within fifteen (15) days after the Notice to Proceed, submit to the Engineer complete list of major products proposed to be used, with the name of the manufacturer and the installing subcontractor.

B. Contractor's Options:

- 1. For Products specified only by reference standard, select any product meeting that standard.
- 2. For Products specified by naming one or more Products or manufacturers and "or equal", Contractor must submit a request as for substitutions for any Product or manufacturer not specifically named.

C. Substitutions:

- 1. For a period of thirty (30) days after the Effective Date of the Agreement, the Engineer will consider written requests from Contractor for substitution of Products.

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2. Submit a separate request for each Product, supported with complete data, with drawings and samples as appropriate, including:
 - a. Comparison of the qualities of the proposed substitution with that specified.
 - b. Changes required in other elements of the work because of the substitution.
 - c. Effect on the construction schedule.
 - d. Cost data comparing the proposed substitution with the Product specified.
 - e. Any required license fees or royalties.
 - f. Availability of maintenance service, and source of replacement materials.
 3. The Engineer shall be the judge of the acceptability of the proposed substitution.

D. Contractor's Representation:

A request for a substitution constitutes a representation that Contractor:

1. Has investigated the proposed Product and determined that it is equal to or superior in all respects to that specified.
2. Will provide the same warranties or bonds for the substitution as for the Product specified.
3. Will coordinate the installation of an accepted substitution into the Work, and make such other changes as may be required to make the Work complete in all respects.
4. Waives all claims for additional costs, under his responsibility, which may subsequently become apparent.

1.07 SPECIAL TOOLS

Manufacturers of equipment and machinery shall furnish any special tools required for normal adjustment, operations and maintenance, together with instructions for their use. The Contractor shall preserve and deliver to the Owner these tools and instructions in good order no later than upon completion of the Contract.

1.08 WARRANTY

For all major pieces of equipment, submit a warranty from the equipment manufacturer. The manufacturer's warranty period shall be concurrent with the Contractor's as stipulated in the specifications for each piece of equipment.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01630

SUBSTITUTIONS

PART 1 GENERAL

1.01 General

Requests for review of a substitution shall conform to the requirements of Article 6.05 of the General Conditions and shall contain complete data substantiating compliance of proposed substitution with Contract Documents.

1.02 Substitutions

- A. During a period of 60 days after execution of Contract, ENGINEER will consider written requests from CONTRACTOR for substitution of products or construction methods (if specified).
 - 1. After end of specified period, requests will be considered only in case of unavailability of products or other conditions beyond control of CONTRACTOR.
 - 2. If the CONTRACTOR proposes to use products other than named manufacturers in the technical Specification, the ENGINEER reserves the right to require the CONTRACTOR to submit information within the first 30 days after the NOTICE TO PROCEED verifying that the proposed equipment will comply with the Specifications.
- B. Requests for review of a substitution shall conform to the requirements of Article 6.05 of the General Conditions, and shall contain complete data substantiating compliance of proposed substitution with the Contract Documents.
- C. In making request for substitution, CONTRACTOR represents:
 - 1. CONTRACTOR has investigated proposed product or method, and determined that it is equal or superior in all respects to that specified.
 - 2. CONTRACTOR will provide the same or better warranties or bonds for proposed substitution as for product or method specified.
 - 3. CONTRACTOR waives all claims for additional costs or extension of time related to proposed substitution that subsequently may become apparent.
- D. Proposed substitutions will not be accepted if:
 - 1. They are only shown or implied on the Shop Drawings.
 - 2. Acceptance will require substantial revision of Contract Documents.
 - 3. They will change design concepts or Specifications.
 - 4. They will delay completion of the Work, or the work of other contractors.
- E. The ENGINEER will determine whether substitute brands or products are equal to those specified in the Contract Documents. No substitute will be ordered or installed without the ENGINEER'S prior written acceptance.
- F. The OWNER may require CONTRACTOR to furnish at CONTRACTOR'S expense a

special performance guarantee or other surety with respect to any substitute.

- G. If the ENGINEER determines that a proposed substitute is not equal to that specified or described in the Drawings or Specifications, CONTRACTOR shall furnish one of the brands or products specified or described, at no additional cost to the OWNER.
- H. Engineering Costs:
1. The ENGINEER will record all time required in evaluating substitutions proposed by CONTRACTOR and in making any change in the Drawings or Specifications occasioned thereby. Whether or not the ENGINEER accepts a proposed substitute CONTRACTOR will reimburse the OWNER for the actual cost of the ENGINEER for evaluating any proposed substitute which either does not meet the requirements of the Drawings and Specifications, or the acceptance of which would require changes to other portions of the Work.
 2. CONTRACTOR shall reimburse OWNER for all associated engineering costs, including redesign, additional shop drawing reviews, investigations, consultant fees and revision of the Contract Documents required because of the substitution.
- I. The time required by the ENGINEER to evaluate and either accept or reject proposed substitutes is included in the Contract Time and no extension of the Contract Time shall be allowed therefore.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01710

CLEANING

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Cleaning shall include daily "policing" of the work and surrounding areas to clear general debris waste paper, wood scraps, broken concrete, loose riprap, and other objectionable material along with the final cleanup of site(s) required for project acceptance. **DAILY CLEANUP IS REQUIRED.**

1.02 DISPOSAL REQUIREMENTS

Conduct cleaning and disposal operations to comply with codes, ordinances, regulations, and anti-pollution laws.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 DURING CONSTRUCTION

- A. Execute daily cleaning to keep the Work, the site and adjacent properties, free from accumulations of waste materials, rubbish and windblown debris, resulting from construction operations.
- B. Provide onsite containers for the collection of waste materials, debris and rubbish. All waste materials including containers, food debris and other miscellaneous materials must be disposed of daily in onsite containers.
- C. Remove waste materials, debris and rubbish from the site periodically and dispose of at legal disposal areas away from the site.

3.02 FINAL CLEANING

- A. Employ skilled workmen for final cleaning.
- B. Remove grease, mastic, adhesives, dust, dirt, stains, fingerprints, labels, and other foreign materials from sight-exposed interior and exterior surfaces.
- C. Broom clean exterior paved surfaces; rake clean other surfaces of the grounds.
- D. Prior to final completion or Owner occupancy, Contractor shall conduct an inspection of sight-exposed interior and exterior surfaces and all work areas to verify that the entire Work is clean.

*** * END OF SECTION * ***

SECTION 01720
PROJECT RECORD DOCUMENTS

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Maintain at the site for the Owner one record copy of:

- A. Conformed Drawings.
- B. Conformed Specifications.
- C. Change Orders and other Modifications to the Contract.
- D. Engineer's Field Orders or written instructions.
- E. Approved Shop Drawings, Working Drawings and Samples.
- F. Field Test records.
- G. Construction photographs.
- H. Latest, Approved Progress Schedule.

1.02 MAINTENANCE OF DOCUMENTS AND SAMPLES

- A. Store documents and samples in a manner and location to prevent damage.
 - 1. Provide files and racks for storage of documents.
 - 2. Provide secure storage space for storage of samples.
- B. File documents and samples in accordance with CSI section numbers.
- C. Maintain documents in a clean, dry, legible, condition and in good order. Do not use record documents for construction purposes.
- D. Make documents and samples available at all times for inspection by the Owner.
- E. As a prerequisite for monthly progress payments, the Contractor is to exhibit the currently updated "record documents" for review by the Owner.

1.03 MARKING DEVICES

Provide felt tip marking pens for recording information in the color code designated by the Owner.

1.04 RECORDING

- A. Label each document "PROJECT RECORD" with rubber stamp.
- B. Record information concurrently with construction progress and do not conceal any work until required information is recorded.
- C. Legibly mark drawings to record actual construction:
 - 1. The Contractor shall use the following color code in marking Contract Drawings:
 - a. Yellow for no change.
 - b. Red to indicate additions, deletions and changes.
 - 2. Elevations of various structure elements in relation to elevation datum.
 - a. Elevations referenced to control points established by the Owner's agent.
 - b. Specifically, elevations of drainage culvert inverts, ditch grades, top of roadway and driveway curbs, bridges, etc.
 - 3. Location of internal utilities and appurtenances concealed in the construction by referencing to visible and accessible features of the structure.
 - 4. Field changes of dimension and detail.
 - 5. Changes made by Field Order or by Change Order.
 - 6. Details not on original contract drawings.
- D. Specifications and Addenda; Legibly mark each Section to record:
 - 1. Manufacturer, trade name, catalog number, and Supplier of each Product and item of equipment actually installed.
 - 2. Changes made by Field Order or by Change Order.
- E. Shop Drawings (after final review):

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- F. Certified site survey and line elevations and stationing at 100 foot increments and all points of change of direction of channel improvements (Section 01050) by a registered land surveyor.

1.05 SUBMITTAL

- A. At Contract close-out, deliver Record Documents to the Owner.
- B. Accompany submittal with transmittal letter in duplicate, containing:
1. Date.
 2. Project title and number.
 3. Contractor's name and address.
 4. Title and number of each Record Document.
 5. Signature of Contractor or his authorized representative.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION(NOT USED)

*** * END OF SECTION * ***

SECTION 01740

WARRANTIES AND BONDS

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Compile specified warranties and bonds, as in Articles 5 and 13 of the General Conditions.
- B. Co-execute submittals when so specified.
- C. Review submittals to verify compliance with Contract Documents.
- D. Submit to the Owner for review.

1.02 SUBMITTAL REQUIREMENTS

- A. Assemble and include warranties, bonds and service and maintenance contracts, executed by each of the respective manufacturers, couplers, and subcontractors including effective dates.
- B. Number of original signed copies required. Two (2) each.
- C. Table of Contents. Neatly typed in orderly sequence. Provide complete information for each item.
 - 1. Product or work item.
 - 2. Firm, with name of principal, address and telephone number.
 - 3. Scope.
 - 4. Date of beginning warranty, and bond.
 - 5. Duration of warranty.
 - 6. Provide information for Owner's personnel:
 - a. Proper procedure in case of failure.
 - b. Instances which might affect the validity of warranty or bond.
 - 7. Contractor, name of responsible principal, address and telephone number.

1.04 FORM OF SUBMITTALS

- A. Prepare in duplicate packets.
- B. Format:
 - 1. Size 8-1/2-inches x 11-inches, punch sheets for standard 3-post binder.
 - 2. Cover: Identify each packet with typed or printed title "WARRANTIES AND BONDS." List:
 - a. Title of Project.
 - b. Name of Contractor.
- C. Binders: Commercial quality, three-post binder, with durable and cleanable plastic covers and maximum post width of 2-inches, "D" ring.

1.05 WARRANTY SUBMITTAL REQUIREMENTS

- A. For all components of the work, unless stated otherwise in the specifications for each individual item of equipment, submit a written warranty from the manufacturer to replace promptly any component thereof which, in the sole opinion of the Engineer, has defects in design, workmanship, materials, or performance within a one (1) year period following the date of acceptance for operation (Substantial Completion) by the Owner. The manufacturer's warranty period shall be concurrent with the Contractor's for one (1) year, unless otherwise specified, commencing at the time of acceptance for operation (beneficial use) by the Owner and shall be read in conjunction with the Contractor's warranty which shall operate together to provide for replacement of defective components and restoration of proper operation. The Contractor shall be solely responsible for both warranties.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-230-10

CODE: (SP)

DATE: 07/16/2009

SUBJECT: Tree and Shrub Planting

Section 230, Tree and Shrub Planting, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-230.2--Materials. Delete Subsection 230.02.14 on page 165 and substitute the following:

907-230.02.14--Mulch. Tree Bark Mulch shall meet the requirements of Subsection 907-233.02.

907-230.02.15--Bed Edging. Bed edging shall be steel edging, 3/16-inch by 4-inch in size, green in color with steel stakes, manufactured by Ryerson, an Inland Steel Company, St. Louis, Mo., or an approved equal.

907-230.03--Construction Requirements.

907-230.03.7--Planting, Backfilling, and Watering. After the first paragraph of Subsection 230.03.7 on page 166, add the following:

Plant pits are plant bed areas which are bound all around by bed edging and/or paving, or as noted on the drawings. Bed preparation shall be required within plant pits, which shall consist of stripping the proposed bed area of existing grass or plant material, unless designated to remain; removal and disposal of existing soil in order that finished grade of bed, not including surface mulch, is no higher than surrounding grades/pavement edges unless noted otherwise on the drawings; spreading a 4-inch layer of Tree Bark Mulch, Type III throughout the area, and tilling in the Tree Bark Mulch, Type III to a depth of six inches uniformly throughout the area; and excavating plant holes in accordance with this special provision. The entire bed area shall receive Tree Bark Mulch, Type V as a surface mulch.

Within plant pits, additional Tree Bark Mulch, Type III for each tree, shrub and groundcover plant hole is not necessary beyond the uniform layer of application tilled into the soil as noted on the vegetation schedule. Within each tree and shrub plant hole within a plant pit, backfill with a 50/50 mix of existing soil amended with Type III mulch and topsoil. Groundcover plant holes do not require any other backfill material other than the amended existing soil with Type III mulch incorporated.

Backfill for tree and shrub plant holes outside of plant pits shall be a 50/50 mix of existing soil and topsoil, after applying the 4-inch layer of Tree Bark Mulch, Type III.

907-230.04--Method of Measurement. After the sixth paragraph of Subsection 230.04 on page 169, add the following:

Bed edging, complete in place and accepted, will be measured per linear foot. Excavation, backfilling, and miscellaneous fittings will not be measured for separate payment.

Bed preparation within plant pits, complete in place and accepted, will be measured per square foot. Stripping of existing vegetation, excavation of existing soil, providing and incorporating the designated layer of Tree Bark Mulch Type III, Tree Bark Mulch Type V as a surface mulch, and weeding will not be measured for separate payment.

Tree Bark Mulch will be measured for payment in accordance with Subsection 907-233.04.

Delete the last five paragraphs of Subsection 230.04 on pages 169 & 170 regarding the sequence for measurement of payment and substitute the following:

Measurement for payment will be made in the following sequence:

When plants have been planted and are in a healthy condition in accordance with the contract, seventy-five percent (75%) of the bid price for that species of plant material meeting the requirements of the contract will be allowed.

When the inspection of plants at the end of the growing season has been conducted and the replacement of any dead or unsatisfactory plant material has been made, ninety percent (90%) of the bid price for that species of plant material meeting the requirements of the contract will be allowed.

When the final inspection of the project has been conducted and the replacement of any dead or unsatisfactory plant material has been made, and upon final release of maintenance, one-hundred percent (100%) of the bid price will be allowed for plant material meeting the requirements of the contract.

The Plant Establishment Period shall begin upon the date that the Engineer determines plant material installation has been acceptably completed, including staking/guying and mulching, and continues through the dates noted below:

PLANT ESTABLISHMENT PERIOD

Date of Installation Completion, From and Including	Establishment Period Beyond Installation Completion, (Growing Season) To and Including
August 2 nd - November 1 st	240 calendar days
November 2 nd - January 1 st	180 calendar days
January 2 nd - May 1 st	120 calendar days
May 2 nd - August 1 st	90 calendar days

Where feasible in the opinion of the Engineer, the Contractor may install plant material well in advance of project completion, in order that the Plant Establishment Period may run concurrent with the Contract Time. However, no matter what date the Plant Establishment Period conclude, the Contractor will be required to maintain healthy plants until final inspection of the entire project.

No contract time or liquidated damages will be charged during the plant establishment period if, and only if, all items of work on the project have been completed.

907-230.05--Basis of Payment. After the first paragraph of Subsection 230.05 on page 170, add the following:

Accepted quantities for bed edging and bed preparation will be paid for at the contract unit price per linear foot and square foot, respectively. Prices paid shall be full compensation for completing the work.

Add the "907" prefix to the pay items numbers listed on page 170.

After the last pay item listed on page 170, add the following:

907-230-C: Bed Edging - per linear foot

907-230-D: Bed Preparation - per square foot

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-233-1

CODE: (SP)

DATE: 02/01/2005

SUBJECT: Tree Bark Mulch

Section 233, Mulch for Woody Plant Material, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-233.02--Materials. After the first paragraph of Subsection 233.02 on page 176, add the following:

Tree Bark Mulch, Type III used for plant pits (multiple plants in one bed area) and plant holes outside of plant pit areas shall meet the requirements of Subsection 715.07. Tree Bark Mulch, Type V used for the surface mulching plant holes and plant pits shall be shredded cedar, cypress, pine, or hardwood bark strip (pole peelings), commercial type, with no pieces larger than 1½ inches across the surface. Once or twice hammered material is not acceptable for Tree Bark Mulch, Type V. The Contractor shall submit samples of all mulches to the Engineer and receive approval prior to delivery to site.

907-233.04--Method of Measurement. After the first paragraph of Subsection 233.04 on page 176, add the following:

Tree Bark Mulch, Type III, complete in place and accepted, will be measured per cubic yard for tree plant holes and for shrub plant holes outside of plant pit areas.

Tree Bark Mulch, Type V, complete in place and accepted, will be measured per cubic yard for tree and shrub plant holes outside of plant pit areas requiring bed preparation; and in unplanted areas where the mulch is utilized as a surface treatment. Tree Bark Mulch, Type V within plant pit areas will not be measured for payment.

907-233.05--Basis of Payment. After the first paragraph of Subsection 233.04 on page 176, add the following:

Accepted quantities for Tree Bark Mulch, Type V used as a surface mulch for tree and shrub plant holes not within plant pit areas, and in unplanted areas as a surface treatment will be paid for at the contract unit price per cubic yard. Prices paid shall be full compensation for completing the work.

Delete the first pay item listed on page 176, and substitute the following:

907-233-A: Tree Bark Mulch, Type

- per cubic yard

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

| SPECIAL PROVISION NO. 907-237-4

CODE: (SP)

| DATE: 03/13/2012

SUBJECT: Wattles

Section 907-237, Wattles, is hereby added to and made a part of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows.

SECTION 907-237 - WATTLES

907-237.01--Description. This work consists of furnishing, constructing and maintaining wattles for the retention of soil around inlets, swale areas, small ditches, sediment basins and other areas as necessary. Also, the work includes removing and disposing of the wattles and silt accumulations.

Measurement and payment for wattles will be made only when a pay item is included in the bid schedule of the proposal. The quantity is estimated for bidding purposes only and will be dependent upon actual conditions which occur during construction of the project.

| **907-237.02--Materials.** Wattles used around inlets shall have a diameter of twelve inches (12") and a length adequate to meet field conditions. Wattles used at other locations shall have a diameter of twenty inches (20") and a length adequate to meet field conditions. The minimum diameter for the above wattle sizes shall be one inch (1") less than the specified diameter.

The stakes used in securing the wattles in place shall be placed approximately three feet (3') apart throughout the length of the wattle. Stakes shall be wooden and of adequate size to stabilize the wattles to the satisfaction of the Engineer.

In addition to the requirements of this specifications, wattles shall be listed on the Department's "Approved Sources of Materials".

907-237.03--Construction Requirements.

907-237.03.1--General. The wattles shall be constructed at the locations and according to the requirements shown on the erosion control plan.

907-237.03.2--Maintenance and Removal. The Contractor shall maintain the wattles and remove and dispose of silt accumulations.

When the wattles are no longer needed, they shall be removed and the Contractor shall dispose of silt accumulations and treat the disturbed areas in accordance with the contract requirements.

907-237.04--Method of Measurement. Wattles of the size specified will be measured per linear foot.

907-237.05--Basis of Payment. Wattles, measured as prescribed above, will be paid for at the contract unit price per linear foot, which price shall be full compensation for installation, maintaining and removal of the wattles, the removal and disposal of silt accumulations and any required restoration of the disturbed areas.

Payment will be made under:

907-237-A: Wattles, Size

- per linear foot

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-246-3

CODE: (SP)

DATE: 11/08/2010

SUBJECT: Sandbags and Rockbags

Section 907-246, Sandbags and Rockbags, is hereby added to and made a part of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows.

SECTION 907-246 -- SANDBAGS AND ROCKBAGS

907-246.01--Description. This item of work shall consist of the furnishing, installing, and maintaining sandbags and rockbags for the purpose of temporary erosion control by intercepting and slowing the flow of sediment-laden runoff water, or for use as a temporary dam.

907-246.02--Materials. The filler material for sandbags shall consist of a fine aggregate meeting the requirements of Subsection 703.02. The filler material for rockbags shall consist of a size 57 aggregate meeting the requirements of Subsection 703.03.

The bag material shall be woven polypropylene, polyethylene or polyamide fabric with a minimum unit weight of four (4) ounces per square yard. The bags shall be a minimum of 21 inches in length, 12 inches in width, and four (4) in thickness when filled.

907-246.03--Construction Requirements. Sandbags and rockbags shall be used to construct a berm/dam which will intercept sediment-laden storm water runoff from disturbed areas, create a retention pond, detain sediment, and release water in sheet flow. Sand or rock shall be placed in the bag so that at least the top six (6) inches of the bag is unfilled to allow for proper tying of the open end. Any subsequent rows of bags shall be offset one-half the length of the preceding row to provide a layered brick-type arrangement.

The sandbag and rockbag berm/dam installation shall be maintained in good condition by the Contractor. All necessary work and materials to maintain the integrity of the installation shall be provided until earthwork construction is complete and permanent erosion-control features are in place. The maintenance of the bags will not be paid for separately and will be included in the cost for sandbags or rockbags.

907-246.04--Method of Measurement. Sandbags and rockbags will be measured per linear foot or each.

Sandbags and rockbags measured by the linear foot shall be in accordance with the details in the erosion control drawing. The length of the sandbag or rockbag berm/dam will be measured end-to-end along the cross-section of the ditch in accordance with the erosion control drawing.

907-246.05--Basic of Payment. Sandbags and rockbags, measured as prescribed above, will be

paid for per linear foot or each, which prices shall be full compensation for furnishing bags, fine aggregate, size 57 aggregate, placement of bags, maintenance of the installation, removal and disposal of the sediment deposits and removal after construction has been completed, and for all labor, tools, equipment and incidentals necessary to complete the work.

Payment will be made under:

907-246-A: Sandbags - per linear foot or each

907-246-B: Rockbags - per linear foot or each

907-258-PP SPECIAL SPECIFICATIONS FOR PREFABRICATED BRIDGE

907-258.01 GENERAL

1.1 Scope

These specifications are for a fully engineered clear span bridge of steel construction including the foundation and shall be regarded as minimum standards for design and construction. These specifications are based on products designed and manufactured by CONTECH Bridge Solutions a Continental Bridge brand, 8301 State Highway 29 North, Alexandria, MN 56308.
Phone: 1-800-328-2047 or (320) 852-7500 Fax: 320-852-7067
E-mail: continental@contechbridge.com

1.2 Qualified Suppliers

Each bidder is required to identify their intended bridge supplier as part of the bid submittal. Qualified suppliers must have at least 5 years experience fabricating these type structures.

Pre-approved Manufacturers:

CONTECH Bridge Solutions Inc.
8301 State Highway 29 North
Alexandria, Minnesota 56308
1-800-328-2047

Suppliers other than those listed above may be used provided the engineer or owner's agent evaluates the proposed supplier and approves the supplier 5 days prior to bid.

The contractor must provide the following documentation, for any proposed supplier who is not pre-approved, at least 10 days prior to bid:

- * Product Literature
- * All documentation to insure the proposed substitution will be in compliance with these specifications. This shall include:
 - Representative design calculations
 - Representative drawings
 - Splicing and erection procedures
 - Warranty information
 - Inspection and Maintenance procedures
 - AISC Shop Certification
 - Welder Qualifications
- * Proposed suppliers must have at least five (5) years experience designing and fabricating these type structures and a minimum of five (5) successful bridge projects, of similar construction, each of which has been in service at least three (3) years. List the location, bridge size, owner, and a contact for reference for each project.

The engineer will evaluate and verify the accuracy of the submittal prior to bid. If the engineer determines that the qualifying criteria have not been met, the contractor's proposed supplier shall be rejected. The engineer's ruling shall be final.

907-258-PP SPECIAL SPECIFICATIONS FOR PREFABRICATED BRIDGE

907-258-.02 GENERAL FEATURES OF DESIGN

2.1 Span

Bridge span shall be 100'-0" (straight line dimension) and shall be as measured from each end of the bridge structure.

2.2 Width

Bridge width shall be 10'-0" and shall be as measured from the inside face of structural elements at deck level.

2.3 Bridge System Type

Bridge(s) shall be designed as a Continental Connector Truss (P1-SQ) (or equal), that has one (1) diagonal per panel and plumb end vertical members. Interior vertical members may be either plumb or perpendicular to the chord faces.

- 2.3.1 Bridge(s) shall be designed utilizing an underhung floor beam (top of floor beam welded to the bottom of the bottom chord) or be designed utilizing an H-Section configuration where the floor beams are placed up inside the trusses and attached to the truss verticals.
- 2.3.2 The bridge manufacturer shall determine the distance from the top of the deck to the top and bottom truss members based upon structural and/or shipping requirements.
- 2.3.3 The top of the top chord shall not be less than 54 inches above the deck (measured from the high point of the riding surface) on bike path structures.

2.4 Member Components

All members of the vertical trusses (top and bottom chords, verticals, and diagonals) shall be fabricated from square and/or rectangular structural steel tubing. Other structural members and bracing shall be fabricated from structural steel shapes or square and rectangular structural steel tubing.

Unless the floor and fastenings are specifically designed to provide adequate lateral support to the top flange of open shape stringers (w-shapes or channels), a minimum of one stiffener shall be provided in each stringer at every floor beam location.

2.5 Attachments

2.5.1 Safety Rails

Vertical safety rails or pickets shall be placed on the structure to a minimum height of x'-xx" above the deck surface. The pickets shall be spaced so as to prevent a 4" sphere from passing through the truss. Pickets may be placed on the inside or outside of the structure at the bridge fabricators option. The top of the vertical pickets shall have a continuous cap angle or some other means to prevent bridge users from cutting or scraping their hands.

The picket safety system shall be designed for an infill loading of 200 pounds, applied horizontally at right angles, to a one square foot area at any point in the system.

907-258-PP SPECIAL SPECIFICATIONS FOR PREFABRICATED BRIDGE

OR

2.5.1 Safety Rails

Horizontal safety rails shall be placed on the structure up to a minimum height of $x'-xx''$ above the deck surface. Safety rails shall be placed so as to prevent a 4" sphere from passing through the truss. Safety rails shall be placed on the inside or outside of the structure at the bridge fabricator's option. Safety rails placed on the inside of the truss shall have their ends sealed and ground smooth so as to produce no sharp edges.

The safety rail system shall be designed for an infill loading of 200 pounds, applied horizontally at right angles, to a one square foot area at any point in the system.

2.5.3 Toe Plate

The bridge shall be supplied with a steel toe plate mounted to the inside face of both trusses. The toe plate shall be a minimum of 4 inches high. Toe plating will be welded to the truss members at a height adequate to provide a 2" gap between the bottom of the plate and the top of the deck or the top of the bottom chord, whichever is higher. The span of unstiffened flat toe plating (from center to center of supports) shall not exceed 5'-8".

2.5.5 Rubrails

The bridge will be supplied with a 1"x 5-1/2" (actual size) naturally durable hardwood Ipe (Tabebuia Spp Lapacho Group) rubrail. Rubrail shall be partially air dried to a moisture content of 15% to 20%, shall be supplied S4S (surfaced four sides), E4E (eased four edges), with the edges eased to a radius of 1/8". Measured at 30% moisture content, the width and thickness shall not vary from specified dimensions by more than ± 0.04 inches. Ends of each piece shall be sealed with "Anchorseal" Mobil CER-M or an equal aqueous wax log sealer.

Rubrails shall be attached flush to the inside face of the bridge truss verticals and fastened with two carriage bolts at each support location. The span of the rubrail from centerline to centerline of support shall not exceed 6'-6".

The top of the rubrail shall be $x'-xx''$ above the top of the deck (measured at the outside edge of the deck).

2.6 Camber

The bridge shall have a vertical camber dimension at midspan equal to 100% of the full dead load deflection plus 1% of the full length of the bridge.

2.7 Elevation Difference

The bridge abutments shall be constructed at the same elevation on both ends of the bridge.

907-258.03 ENGINEERING

Structural design of the bridge structure and foundation shall be performed by or under the direct supervision of a licensed professional engineer and done in accordance with recognized engineering practices and principles. The engineer shall be licensed to practice in Mississippi.

3.1 Design Loads

907-258-PP SPECIAL SPECIFICATIONS FOR PREFABRICATED BRIDGE

In considering design and fabrication issues, this structure shall be assumed to be statically loaded. No dynamic analysis shall be required nor shall fabrication issues typically considered for dynamically loaded structures be considered for this bridge.

3.1.1 Dead Load

The bridge structure design shall consider its own dead load (superstructure and original decking), as well as the additional loads listed below:

3.1.2 Uniform Live Load

3.1.2.1 Pedestrian Live Load

Main Members: Main supporting members, including girders, trusses and arches shall be designed for a pedestrian live load of 90 pounds per square foot of bridge walkway area. The pedestrian live load shall be applied to those areas of the walkway so as to produce maximum stress in the member being designed.

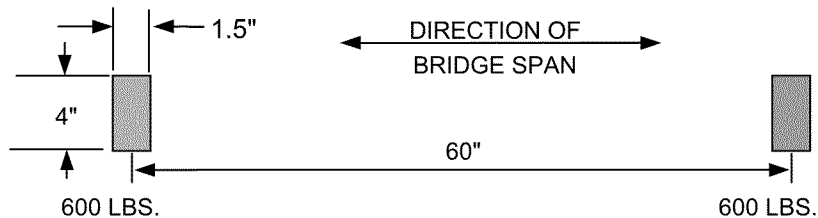
Secondary Members: Bridge decks and supporting floor systems, including secondary stringers, floor beams and their connections to main supporting members shall be designed for a live load of 90 pounds per square foot, with no reduction allowed.

3.1.3 Concentrated Loads

The bridge superstructure, floor system and decking shall be designed for each of the following point load conditions:

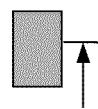
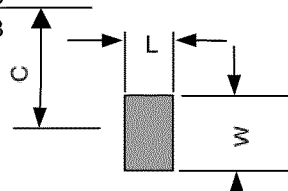
3.1.3.1 A concentrated load of 1000 pounds placed on any area 2.5 ft x 2.5 ft square.

3.1.3.2 A 1200 pound two wheel vehicle with a wheelbase and tire print area as shown in the following diagram:



3.1.3.3 A 8,000 pound four wheeled vehicle with the appropriate wheelbase, tire track and tire print area as shown in the following diagram: (See Table I for the values corresponding to the selected vehicle.)

INSIDE OF TRUSS
MEMBERS OR CURB



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Vehicle	Axle and Wheel Spacings		Front Wheels			Rear Wheels			
Weight	WB	T	P _F	L	W	P _R	L	W	C*
4,000#	48"	32"	1,000#	2.0"	5.0"	1,000#	2.0"	5.0"	9"
6,000#	66"	48"	1,500#	2.5"	6.0"	1,500#	2.5"	6.0"	12"
8,000#	102"	60"	1,600#	3.0"	8.0"	2,400#	3.0"	8.0"	15"
10,000#	120"	72"	2,000#	3.5"	8.5"	3,000#	3.5"	8.5"	18"

(* C is the minimum dimension from center of wheel to the inside face of truss or curb.)

TABLE I

All of the concentrated or wheel loads shall be placed so as to produce the maximum stress in each member being analyzed. Critical stresses need be calculated assuming there is only one vehicle on the bridge at any given time. Assumptions that vehicles only travel down the center of the bridge or that the vehicle load is a uniform line load will not be allowed.

Each four wheeled vehicle load listed in Table I, up to and including the maximum weight vehicle selected, must be used in determining critical deck stresses. The wheel distribution for deck design shall be as specified in Section 4.3.1. Stringers shall be designed for the applied wheel loads assuming no lateral load distribution to adjacent stringers.

A vehicle impact allowance is not required.

3.1.4 Wind Load

3.1.4.1 Horizontal Forces

The bridge(s) shall be designed for a wind load of 35 pounds per square foot on the full vertical projected area of the bridge as if enclosed. The wind load shall be applied horizontally at right angles to the longitudinal axis of the structure.

The wind loading shall be considered both in the design of the lateral load bracing system

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and in the design of the truss vertical members, floor beams and their connections.

3.1.4.2 Overturning Forces

The effect of forces tending to overturn structures shall be calculated assuming that the wind direction is at right angles to the longitudinal axis of the structure. In addition, an upward force shall be applied at the windward quarter point of the transverse superstructure width. This force shall be 20 pounds per square foot of deck.

3.1.7 Top Chord/Railing Loads

The top chord, truss verticals, and floor beams shall be designed for lateral wind loads (per section 3.1.4.1) and for any loads required to provide top chord stability as outlined in Section 3.3.6; however, in no case shall the load be less than 50 pounds per lineal foot or a 200 pound point load, whichever produces greater stresses, applied in any direction at any point along the top chord or at the top of the safety system (42" or 54" above deck level), if higher than the top chord.

3.1.9 Load Combinations

The loads listed herein shall be considered to act in the following combinations, whichever produce the most unfavorable effects on the bridge superstructure or structural member concerned. [DL=Dead Load; LL = Live Load; WL = Wind Load; VEH = Vehicle Load]

DL + LL

DL + VEH

DL+WL

DL+LL+.3WL

DL+VEH+.3WL

NOTE: For service load design, the percentage of the basic unit stress used for each combination shall be in accordance with table 3.22.1A of the AASHTO "Standard Specifications for Highway Bridges".

It shall be the responsibility of the foundation engineer to determine any additional loads (i.e. earth pressure, stream force on abutments, wind loads other than those applied perpendicular to the long axis of the bridge, etc.) and load combinations required for design of the abutments.

3.2 Design Limitations

3.2.1 Deflection

3.2.1.1 Vertical Deflection

The vertical deflection of the main trusses due to service pedestrian live load shall not exceed 1/500 of the span.

The vertical deflection of cantilever spans of the structure due to service pedestrian live load shall not exceed 1/500 of the cantilever arm length.

The deflection of the floor system members (floor beams and stringers) due to service pedestrian live load shall not exceed 1/500 of their respective spans.

The service pedestrian live load shall be 90 PSF.

Deflection limits due to occasional vehicular traffic shall not be considered.

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3.2.1.2 Horizontal Deflection

The horizontal deflection of the structure due to lateral wind loads shall not exceed 1/500 of the span under an 100 MPH (35 PSF) wind load.

3.2.2 Minimum Thickness of Metal

The minimum thickness of all structural steel members shall be 1/4" nominal and be in accordance with the AISC Manual of Steel Constructions' "Standard Mill Practice Guidelines". For ASTM A500 and ASTM A847 tubing, the section properties used for design shall be per the Steel Tube Institute of North America's Hollow Structural Sections "Dimensions and Section Properties".

3.3 Governing Design Codes / References

Structural members shall be designed in accordance with recognized engineering practices and principles as follows:

3.3.1 Structural Steel Allowable Stresses

Design must be in accordance with the LRFD Bridge Design Specification, 3rd Edition and Guide Specifications for the Design of Pedestrian Bridges by the American Association of the State and Highway and Transportation Officials (AASHTO).

3.3.2 Welded Tubular Connections

American National Standards Institute / American Welding Society (ANSI/AWS) and the Canadian Institute of Steel Construction (CISC).

All welded tubular connections shall be checked, when within applicable limits, for the limiting failure modes outlined in the ANSI/AWS D1.1 Structural Welding Code or in accordance with the "Design Guide for Hollow Structural Section Connections" as published by the Canadian Institute of Steel Construction (CISC).

When outside the "validity range" defined in these design guidelines, the following limit states or failure modes must be checked:

- * Chord face plastification
- * Punching shear (through main member face)
- * Material failure
 - Tension failure of the web member
 - Local buckling of a compression web member
- * Weld failure
 - Allowable stress based on "effective lengths"
 - "Ultimate" capacity
- * Local buckling of a main member face
- * Main member failure:
 - Web or sidewall yielding
 - Web or sidewall crippling
 - Web or sidewall buckling
 - Overall shear failure

All tubular joints shall be plain unstiffened joints (made without the use of reinforcing plates)

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except as follows:

- * Floor beams hung beneath the lower chord of the structure may be constructed with or without stiffener (or gusset) plates, as required by design.
- * Floor beams which frame directly into the truss verticals (H-Section bridges) may be designed with or without end stiffening plates as required by design.
- * Where chords, end floor beams and in high profiles the top end struts weld to the end verticals, the end verticals (or connections) may require stiffening to transfer the forces from these members into the end vertical.
- * Truss vertical to chord connections.

NOTE: The effects of fabrication tolerances shall be accounted for in the design of the structure. Special attention shall be given to the actual fit-up gap at welded truss joints.

3.3.4 Wood

American Institute of Timber Construction (AITC), the U.S. Forest Products Laboratory, and the American Forest & Paper Association (AF&PA).

Sawn lumber shall be designed in accordance with the ANSI/AF&PA NDS, "National Design Standard for Wood Construction", as published by the American Forest & Paper Association or the "Timber Construction Manual" as published by the American Institute of Timber Construction (AITC). Design properties for naturally durable hardwoods shall be in accordance with "Tropical Timbers of the World", as published by the U.S. Forest Products Laboratory.

3.3.5 Concrete

American Concrete Institute (ACI)

Reinforced concrete shall be designed in accordance with the "Building Code Requirements for Structural Concrete" (ACI 318).

3.3.6 Top Chord Stability

Structural Stability Research Council (SSRC), formerly Column Research Council.

The top chord shall be considered as a column with elastic lateral supports at the panel points. The critical buckling force of the column, so determined, shall exceed the maximum force from dead load and live load (uniform or vehicular) in any panel of the top chord by not less than 50 percent for parallel chord truss bridges or 100 percent for bowstring bridges. The design approach to prevent top chord buckling shall be as outlined by E.C. Holt's research work in conjunction with the Column Research Council on the stability of the top chord of a half-through truss. See Appendix A for the calculation of the spring constant C and the determination of an appropriate K factor for out-of-plane buckling.

In addition, for the dead load plus vehicle load combination, the spring constant "C" furnished by the transverse "U-Frames" shall not be less than "C" required as defined by:

$$C_{required} = \frac{1.46 P_c}{L}$$

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where P_c is the maximum top chord compression due to dead load plus the vehicle load times the appropriate safety factor (1.5 for parallel chord truss bridges or 2.0 for bowstring bridges) and L is the length in inches of one truss panel or bay.

For uniformly loaded bridges, the vertical truss members, the floor beams and their connections (transverse frames) shall be proportioned to resist a lateral force of not less than $1/100k$ times the top chord compressive load, but not less than .004 times that top chord load, applied at the top chord panel points of each truss. The top chord load is determined by using the larger top chord axial force in the members on either side of the "U-frame" being analyzed. For end frames, the same concept applies except the transverse force is 1% of the axial load in the end post member.

For bridges with vehicle loads, the lateral force applied at the top chord elevation for design of the transverse frames shall not be less than 1% of the top chord compression due to dead load plus any vehicle loading.

The bending forces in the transverse frames, as determined above, act in conjunction with all forces produced by the actual bridge loads as determined by an appropriate analysis which assumes that the floor beams are "fixed" to the trusses at each end.

NOTE: The effects of three dimensional loading (including "U-frame" requirements) shall be considered in the design of the structure. The "U-frame" forces shall be added to the forces derived from a three dimensional analysis of the bridge.

907-258.04 MATERIALS

4.1 Steel

4.1.1 Unpainted Weathering Steel

Bridges which are not to be painted shall be fabricated from high strength, low alloy, atmospheric corrosion resistant ASTM A847 cold-formed welded square and rectangular tubing and/or ASTM A588, or ASTM A242, ASTM A606 plate and structural steel shapes ($F_y = 50,000$ psi). The minimum corrosion index of atmospheric corrosion resistant steel, as determined in accordance with ASTM G101, shall be 6.0.

4.3 Decking

4.3.1 Concrete Deck

The bridge shall be furnished with a stay-in-place galvanized steel form deck suitable for pouring a reinforced concrete slab. The form deck shall be designed to carry the dead load of the wet concrete, weight of the form decking, plus a construction load of 20 PSF uniform load or a 150 pound concentrated load on a 1'-0" wide section of deck. When edge supports are used, deflection is limited to $1/180$ of the span or $3/4"$, whichever is less. Without edge supports, deflection shall be limited to $1/180$ of the span or $3/8"$, whichever is less.

The form deck shall be either smooth or composite. Composite decking shall not be used as reinforcing when designing for vehicular wheel loads. The form deck material shall be supplied in accordance with ASTM A653 and galvanized to a minimum G90 coating weight.

The deck slab shall be constructed using concrete with a minimum 28-day strength (f'_c) of **4000 PSI**. Use the normal weight of concrete (145 PCF).

- ☐ Normal weight concrete (145 PCF)
- ☐ Lightweight concrete (120 PCF)

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Concrete deck design shall be performed by the bridge manufacturer. Concrete decks shall be designed for concentrated loads as specified in Section 3.1.3. The wheel loads used for deck design shall be distributed per the Structural Engineering Handbook, 4th Ed., by Gaylord, Gaylord and Stallmeyer. The load distribution width is equal to the tire width plus 0.6 times the slab span but in no case will it be greater than the smallest of the following values:

1. 1/2 the deck width,
2. 75% of the wheel track spacing, or
3. $4' + 0.06S$, per AASHTO, where S = slab span in feet

907-258.05 WELDING

5.1 Welding

Welding and weld procedure qualification tests shall conform to the provisions of ANSI/AWS D1.1 "Structural Welding Code", 1996 Edition. Filler metal shall be in accordance with the applicable AWS Filler Metal Specification (i.e. AWS A 5.28 for the GMAW Process). For exposed, bare, unpainted applications of corrosion resistant steels (i.e. ASTM A588 and A847), the filler metal shall be in accordance with AWS D1.1, Section 3.7.3.

5.2 Welders

Welders shall be properly accredited operators, each of whom shall submit certification of satisfactorily passing AWS standard qualification tests for all positions with unlimited thickness of base metal, have a minimum of 6 months experience in welding tubular structures and have demonstrated the ability to make uniform sound welds of the type required.

907-258.06 SUBMITTALS

6.1 Submittal Drawings

Schematic drawings and diagrams shall be submitted to the customer for their review after receipt of order. Submittal drawings shall be unique drawings, prepared to illustrate the specific portion of the work to be done. All relative design information such as member sizes, bridge reactions, and general notes shall be clearly specified on the drawings. Drawings shall have cross referenced details and sheet numbers. All drawings shall be signed and sealed by a Professional Engineer who is licensed in accordance with Section 3.0.

6.2 Structural Calculations

Structural calculations for the bridge superstructure shall be submitted by the bridge manufacturer and reviewed by the approving engineer. All calculations shall be signed and sealed by a Professional Engineer who is licensed in accordance with Section 3.0. The calculations shall include all design information necessary to determine the structural adequacy of the bridge. The calculations shall include the following:

- * All AASHTO allowable stress checks for axial, bending and shear forces in the critical member of each truss member type (i.e. top chord, bottom chord, floor beam, vertical, etc.).
- * Checks for the critical connection failure modes for each truss member type (i.e. vertical, diagonal, floor beam, etc.). Special attention shall be given to all welded tube on tube connections (see section 3.3.2 for design check requirements).
- * All bolted splice connections.

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- * Main truss deflection checks.
- * U-Frame stiffness checks (used to determine K factors for out-of-plane buckling of the top chord) for all half through or "pony" truss bridges.
- * Deck design.

NOTE: The analysis and design of triangulated truss bridges shall account for moments induced in members due to joint fixity where applicable. Moments due to both truss deflection and joint eccentricity must be considered.

6.3 Welder certifications in compliance with AWS standard qualification tests.

6.4 Welding procedures in compliance with Section 5.1.

907-258.07 FABRICATION

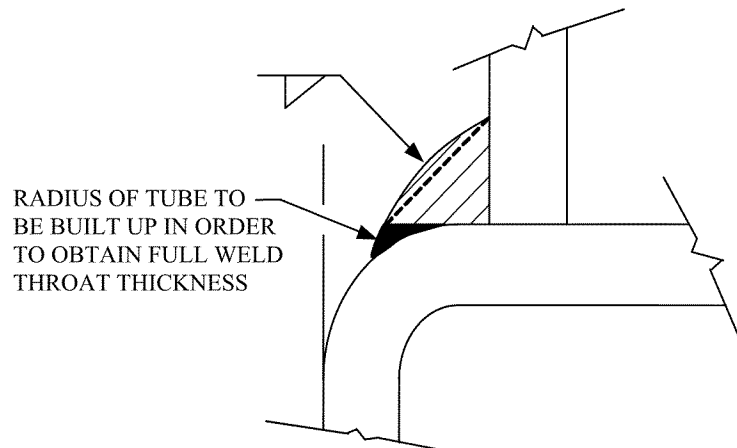
7.1 General Requirements

7.1.1 Drain Holes

When the collection of water inside a structural tube is a possibility, either during construction or during service, the tube shall be provided with a drain hole at its lowest point to let water out.

7.1.2 Welds

Special attention shall be given to developing sufficient weld throats on tubular members. Fillet weld details shall be in accordance with AWS D1.1, Section 3.9 (See AWS Figure 3.2). Unless determined otherwise by testing, the loss factor "Z" for heel welds shall be in accordance with AWS Table 2.8. Fillet welds which run onto the radius of a tube shall be built up to obtain the full throat thickness (See Figure 7.1). The maximum root openings of fillet welds shall not exceed 3/16" in conformance with AWS D1.1, Section 5.22. Weld size or effective throat dimensions shall be increased in accordance with this same section when applicable (i.e. fit-up gaps > 1/16").



**FIGURE 7.1
BUILD UP RADIUS WELD**

The fabricator shall have verified that the throat thickness of partial joint penetration groove welds (primarily matched edge welds or the flare-bevel-groove welds on underhung floor beams) shall be obtainable with their fit-up and weld procedures. Matched edge welds shall be “flushed” out when required to obtain the full throat or branch member wall thickness.

For full penetration butt welds of tubular members, the backing material shall be fabricated prior to installation in the tube so as to be continuous around the full tube perimeter, including corners. Backing may be of four types:

- * A “box” welded up from four (4) plates.
- * Two “channel” sections, bent to fit the inside radius of the tube, welded together with full penetration welds.
- * A smaller tube section which slides inside the spliced tube.
- * A solid plate cut to fit the inside radius of the tube.

Corners of the “box” backing, made from four plates, shall be welded and ground to match the inside corner radii of the chords. The solid plate option shall require a weep hole either in the chord wall above the “high side” of the plate or in the plate itself. In all types of backing, the minimum fit-up tolerances for backing must be maintained at the corners of the tubes as well as across the “flats”.

7.2 Quality Certification

Bridge(s) shall be fabricated by a fabricator who is currently certified by the American Institute of Steel Construction to have the personnel, organization, experience, capability, and commitment to produce fabricated structural steel for the category “Major Steel Bridges” as set forth in the AISC Certification Program with Fracture Critical Endorsement. Quality control shall be in accordance with procedures outlined for AISC certification. For painted structures, the fabricator must hold a “Sophisticated Paint Endorsement” as set forth in the AISC certification program. Furthermore, the bridge(s) shall be fabricated in a facility owned and/or leased by the corporate owner of the

907-258-PP SPECIAL SPECIFICATIONS FOR PREFABRICATED BRIDGE

manufacturer, and fully dedicated to bridge manufacturing.

907-258.08 FINISHING

8.1 Blast Cleaning

8.1.1 Bare applications of enhanced corrosion resistant steels.

All Blast Cleaning shall be done in a dedicated OSHA approved indoor facility owned and operated by the bridge fabricator. Blast operations shall use Best Management Practices and exercise environmentally friendly blast media recovery systems.

To aid in providing a uniformly “weathered” appearance, all exposed surfaces of steel shall be blast cleaned in accordance with Steel Structures Painting Council Surface Preparation Specifications No. 7 Brush-Off Blast Cleaning, SSPC-SP7 latest edition.

Exposed surfaces of steel shall be defined as those surfaces seen from the deck and from outside of the structure. Stringers, floor beams, lower brace diagonals and the inside face of the truss below deck and bottom face of the bottom chord shall not be blasted.

907-258.09 DELIVERY AND ERECTION

Delivery is made to a location nearest the site which is easily accessible to normal over-the-road tractor/trailer equipment. All trucks delivering bridge materials will need to be unloaded at the time of arrival.

The manufacturer will provide detailed, written instruction in the proper lifting procedures and splicing procedures (if required). The method and sequence of erection shall be the responsibility of others.

The bridge manufacturer shall provide written inspection and maintenance procedures to be followed by the bridge owner.

907-258.10 BEARINGS

10.1 Bearing Devices

Bridge bearings shall consist of a steel setting or slide plate placed on the abutment or grout pad. The bridge bearing plate which is welded to the bridge structure shall bear on this setting plate. One end of the bridge will be fixed by fully tightening the nuts on the anchor bolts at that end. The opposite end will have finger tight only nuts to allow movement under thermal expansion or contraction.

The bridge bearings shall sit in a recessed pocket on the concrete abutment. Minimum 28-day strength for the abutment concrete shall be 3,000 PSI. The bearing seat shall be a minimum of 16" wide. The step height (from bottom of bearing to top-of-deck) shall be determined by the bridge manufacturer.

Bridges in excess of 100 feet in length or bridges with dead load reactions of 15,000 pounds or more (at each bearing location) shall have teflon on teflon or stainless steel on teflon slide bearings placed between the bridge bearing plate and the setting plate. The top slide plate shall be large enough to cover the lower teflon slide surface at both temperature extremes.

907-258.11 FOUNDATIONS

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Unless specified otherwise, the bridge manufacturer shall determine the number, diameter, minimum grade and finish of all anchor bolts. The anchor bolts shall be designed to resist all horizontal and uplift forces to be transferred by the superstructure to the supporting foundations. Engineering design of the bridge supporting foundations (abutment, pier, bracket and/or footings), including design of anchor bolt embedments, shall be the responsibility of the bridge manufacturer. The contractor shall provide all materials for (including anchor bolts) and construction of the bridge supporting foundations. The contractor shall install the anchor bolts in accordance with the manufacturer's anchor bolt spacing dimensions.

Information as to bridge support reactions and anchor bolt locations will be furnished by the bridge manufacturer after receipt of order and after the bridge design is complete.

907-258.12 PAYMENT

A partial payment or "deposit" for the prefabricated bridge shall be made upon order and storage as required by the terms of the manufacturer.

907-258.13 WARRANTY

The bridge manufacturer shall warrant that it can convey good title to the goods, that they are free of liens and encumbrances and that their steel structure(s) are free of design, material and workmanship defects for a period of ten years from the date of delivery. Durable hardwood decking and hardwood attachments shall carry a ten-year warranty against rot, termite damage or fungal decay. Other types of wood and decking material such as Southern Yellow Pine, Douglas Fir and composites carry no warranty. There are no warranties, expressed or implied with respect to structures sold hereunder which are used, supplied for use or made available for use in any nuclear application of which bridge manufacturer has not been notified in writing at the time of order of the structure(s).

This warranty shall not cover defects in the bridge caused by abuse, misuse, overloading, accident, improper installation, maintenance, alteration or any other cause not expressly warranted. This warranty does not cover damage resulting from or relating to the use of any kind of de-icing material. This warranty shall be void unless owner's records are supplied which show compliance with the minimum guidelines specified in the "Recommendations for the Inspection and Maintenance of Steadfast Vehicular Steel Bridges and Continental Pedestrian Steel Bridges," attached hereto and incorporated herein by this reference.

Repair, replacement or adjustment, at the sole discretion of the bridge manufacturer, shall be the exclusive remedy for defects under this warranty. Under no circumstances shall the bridge manufacturer be liable for any consequential or incidental damages.

Any claim under this warranty shall be made promptly and directly to CONTECH Bridge Solutions Inc who shall have the option, at its sole discretion, to repair, replace or adjust any covered defect without charge to the original purchaser.

SELLER MAKES NO OTHER WARRANTY WHATSOEVER, EXPRESS OR IMPLIED. ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND ALL IMPLIED WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE ARE DISCLAIMED BY SELLER AND EXCLUDED FROM THIS CONTRACT.

REV: 10/07

SPECIAL SPECIFICATIONS FOR PREFABRICATED BRIDGE

907-258.14 APPROVAL CHECKLIST

The following checklist will be used in the evaluation of all submittals to assure compliance with the Special Specifications for Prefabricated Bridge. This checklist is considered the minimum acceptable requirements for compliance with these specifications. Any deviations from this checklist shall be considered grounds for rejection of the submittal. Any costs associated with delays caused by the rejection of the submittal, due to non-compliance with this checklist, shall be fully borne by the contractor and bridge supplier.

SUBMITTAL DRAWINGS

Data Required to be Shown:

- ☐ Bridge Elevation
 - ☐ Bridge Cross Section
 - ☐ All Member Sizes
 - ☐ All Vertical Truss Members are Square or Rectangular Tubing
 - ☐ Bridge Reactions
 - ☐ General Notes Indicating
 - ☐ AISC Stress Conformance
 - ☐ Material Specifications to be Followed
 - ☐ Design Live Load
 - ☐ Design Vehicle Load (If Applicable)
 - ☐ Design Wind Load
 - ☐ Other Specified Design Loads
 - ☐ Welding Process
 - ☐ Blast Cleaning
 - ☐ Paint System to be Used (If Applicable)
 - ☐ Paint Color Chart (If Applicable)
 - ☐ Detailed Bolted Splices (If Applicable)
 - ☐ Bolted Splice Location (If applicable)
 - ☐ Signature and Seal of Professional Engineer, licensed in Accordance with Section 3.0
- ☐ Weld Failure Checks (Ultimate)
 - ☐ Local Buckling of the Main Member Face Checks
 - ☐ Main Member Yielding Failure Checks
 - ☐ Main Member Crippling Failure Checks
 - ☐ Main Member Buckling Failure Checks
 - ☐ Main Member Shear Failure Checks
 - ☐ All Bolted Splice Checks (if applicable)
 - ☐ Main Truss Deflection Checks
- Decking Material Checks
- ☐ "U-Frame" Stiffness Checks (if applicable)
 - ☐ Interior and End Portal Design Checks (if applicable)
 - ☐ Determination of Top Chord K Factor Based on "U-Frame" Stiffness (if applicable)
 - ☐ Consideration of Individual Member Moments Due to Truss Deflection, Joint Fixity and Joint Eccentricity

FABRICATION SUBMITTALS

Data Required to be Shown:

- ☐ ** Written Installation Instructions
- ☐ ** Written Splicing Instructions
- ☐ ** Written Maintenance & Inspection Instructions
- ☐ ** Welder Certifications
- ☐ ** Welding Procedures
- ☐ Material Certifications (if applicable)
 - ☐ Structural Steel (if applicable)
 - ☐ Decking (if applicable)
 - ☐ Structural Bolts (if applicable)
- ☐ ** Quality Control Section of AISC Certification Manual (if applicable)
- ☐ ** Painter Certifications (if applicable)
- ☐ Weld Testing Reports (if applicable)

**** NOTE:** These items are required to be submitted along with Submittal Drawings and Design Calculations. Those Fabrication Submittal Items not marked are to be submitted prior to shipment of the bridge.

DESIGN CALCULATIONS

Data Required to be Shown:

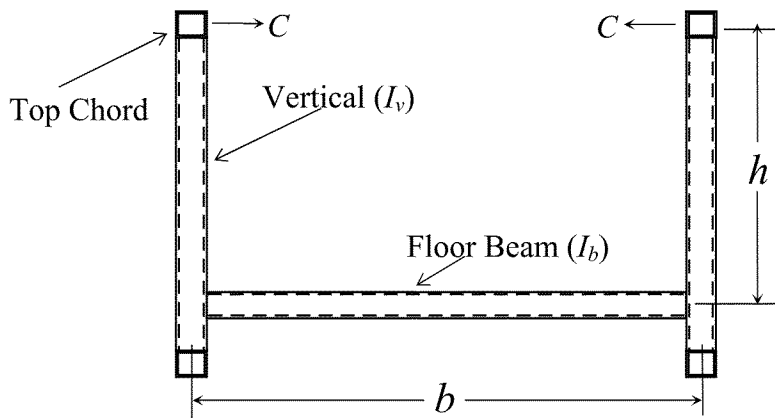
- ☐ Data Input for 3-D Analysis of Bridge
 - ☐ Joint Coordinates & Member Incidences
 - ☐ Joint and Member Loads
 - ☐ Member Properties
 - ☐ Load Combinations
- ☐ AASHTO Member Stress Checks for Each Member Type
- ☐ Critical Connection Failure Mode Checks For Each Member Type
 - ☐ Chord Face Plastification Checks
 - ☐ Punching Shear Checks
 - ☐ Material Failure Checks (Truss Webs)
 - ☐ Weld Failure Checks (Effective Length)

Appendix A

SPECIAL SPECIFICATIONS FOR PREFABRICATED BRIDGE

1/K FOR VARIOUS VALUES OF CL/P_c and n

1/K	n						
	4	6	8	10	12	14	16
1.000	3.686	3.616	3.660	3.714	3.754	3.785	3.809
0.980		3.284	2.944	2.806	2.787	2.771	2.774
0.960		3.000	2.665	2.542	2.456	2.454	2.479
0.950			2.595				
0.940		2.754		2.303	2.252	2.254	2.282
0.920		2.643		2.146	2.094	2.101	2.121
0.900	3.352	2.593	2.263	2.045	1.951	1.968	1.981
0.850		2.460	2.013	1.794	1.709	1.681	1.694
0.800	2.961	2.313	1.889	1.629	1.480	1.456	1.465
0.750		2.147	1.750	1.501	1.344	1.273	1.262
0.700	2.448	1.955	1.595	1.359	1.200	1.111	1.088
0.650		1.739	1.442	1.236	1.087	0.988	0.940
0.600	2.035	1.639	1.338	1.133	0.985	0.878	0.808
0.550		1.517	1.211	1.007	0.860	0.768	0.708
0.500	1.750	1.362	1.047	0.847	0.750	0.668	0.600
0.450		1.158	0.829	0.714	0.624	0.537	0.500
0.400	1.232	0.886	0.627	0.555	0.454	0.428	0.383



“ U - Frame ”

Where: $C = \frac{E}{h^2 [h/3I_v + b/2I_b]}$

L = Length in inches of one truss panel

P_c = Buckling Load (= Top Chord Compression x F.S.)

n = Number of Panels

Reference: Galambos, T.V. (1988) “Guide to Stability Design Criteria for Metal Structures”, 4th Ed., PP 515-529. Copyright © 1988. Reprinted by permission of John Wiley and Sons, Inc.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

| SPECIAL PROVISION NO. 907-304-13

CODE: (SP)

| DATE: 06/06/2012

SUBJECT: Granular Courses

Section 907-304, Granular Courses, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-304.02--Materials. After the first paragraph of Subsection 304.02.1 on page 183, add the following.

| Crushed concrete meeting the requirements of Subsection 907-703.04.3 may be used in lieu of granular courses or crushed stone courses specified in the contract. This applies to base courses, shoulders, or other required construction on a prepared foundation.

907-304.03--Construction Requirements.

907-304.03.5--Shaping, Compacting and Finishing. Delete the sixth paragraph of Subsection 304.03.5 on page 185.

Delete the first table in Subsection 304.03.5 on page 186 and substitute the following.

Granular Material	Lot	Individual
<u>Class</u>	<u>Average</u>	<u>Test</u>
7,8,9 or 10	97.0	93.0
5 or 6	99.0	95.0
3 or 4	100.0	96.0
1 or 2	102.0	98.0
Crushed Courses*	99.0	95.0

* When placed on filter fabric on untreated subgrade, the individual tests and the average of the five (5) tests shall equal or exceed the following values.

<u>Lot Average</u>	<u>Individual Test</u>
96.0	92.0

| **907-304.05--Basis of Payment.** Add the “907” prefix to the pay items listed on page 187.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO SPECIAL PROVISION NO. 907-401-2

DATE: 07/19/2011

SUBJECT: Hot Mix Asphalt (HMA)

Add the following before 907-401.02.6.2 on page 1.

907-401.02.4--Substitution of Mixture. Delete the table in Subsection 401.02.4 on page 242, and substitute the following:

Mixture	Single Lift Laying Thickness Inches	
	Minimum	Maximum
25 mm	3	4
19 mm	2 ¼	3 ½
12.5 mm	1 ½	2 ½
9.5 mm	1	1 ½
4.75 mm	½	¾

After Subsection 907-401-02.6.2 on page 2, add the following:

907-401.02.6.4.1--Roadway Density. Delete subparagraphs 1., 2., & 3. on page 251 and substitute the following:

1. For all leveling lifts, when full lane width and with a thickness as specified in the table in Subsection 401.02.4, the required lot density shall be 92.0 percent of maximum density.
2. For all single lift overlays, with or without leveling and/or milling, the required lot density shall be 92.0 percent of maximum density.
3. For all multiple lift overlays of two (2) or more lifts excluding leveling lifts, the required lot density of the bottom lift shall be 92.0 percent of maximum density. The required lot density for all subsequent lifts shall be 93.0 percent of maximum density.
4. For all pavements on new construction, the required lot density for all lifts shall be 93.0 percent of maximum density.

907-401.02.6.5--Acceptance Procedure for Pavement Smoothness. Delete the third sentence of the sixth paragraph of Subsection 401.02.6.5 on page 254, and substitute the following.

The wheel paths shall be designated as being located three feet (3') and nine feet (9') from centerline or longitudinal joint, respectively.

907-401.03.1.2--Tack Coat. Delete the three sentences of Subsection 401.03.1.2 on page 259, and substitute the following:

Tack coat shall be applied to previously placed HMA and between lifts, unless otherwise directed by the Engineer. Tack coat shall be applied with a distributor spray bar. A hand wand will only be allowed for applying tack coat on ramp pads, irregular shoulder areas, median crossovers, turnouts, or other irregular areas. Bituminous materials and application rates for tack coat shall be as specified in Table 410-A on page 293. Construction requirements shall be in accordance with Subsection 407.03 of the Standard Specifications.

907-401.03.1.4--Density. Delete the first sentence of the first paragraph of Subsection 401.03.1.4 on page 259 and substitute the following:

The lot density for all dense graded pavement lifts, except as provided below for preleveling, wedging [less than fifty percent (50%) of width greater than minimum lift thickness], ramp pads, irregular shoulder areas, median crossovers, turnouts, or other areas where the established rolling pattern cannot be performed, shall not be less than the specified percent (92.0% or 93.0%) of the maximum density based on AASHTO Designation: T 209 for the day's production. For all leveling lifts, when full lane width and with a thickness as specified in the table in Subsection 401.02.4, the required lot density shall be 92.0 percent of maximum density.

907-401.03.9--Material Transfer Equipment. Delete the paragraph in Subsection 401.03.9 on page 264 and substitute the following:

Excluding the areas mentioned below, the material transferred from the hauling unit when placing the top lift, or the top two (2) lifts of a multi-lift HMA pavement with density requirements, shall be remixed prior to being placed in the paver hopper or insert by using an approved Materials Transfer Device. Information on approved devices can be obtained from the State Construction Engineer. Areas excluded from this requirement include: leveling courses, temporary work of short duration, detours, bridge replacement projects having less than 1,000 feet of pavement on each side of the structure, acceleration and deceleration lanes less than 1,000 feet in length, tapered sections, transition sections for width, shoulders less than 10 feet in width, crossovers, ramps, side street returns and other areas designated by the Engineer.

After Subsection 401.03.13 on page 266, add the following:

907-401.03.14--Shoulder Wedge. The Contractor shall attach a device to the screed of the paver that confines the material at the end gate and extrudes the asphalt material in such a way that results in a compacted wedge shape pavement edge of approximately 30 degrees, but not steeper than 35 degrees. The device shall maintain contact between itself and the road shoulder surface and allow for automatic transition to cross roads, driveways, and obstructions. The device shall be used to constrain the asphalt head reducing the area by 10% to 15% increasing the density of the extruded profile. Conventional single plate strike off shall not be used.

The device shall be TransTech Shoulder Wedge Maker, the Advant-Edge, or a similar approved equal device that produces the same wedge consolidation results. Contact information for these wedge shape compaction devices is the following:

1. TransTech Systems, Inc.
1594 State Street
Schenectady, NY 12304
800-724-6306
www.transtechsys.com
2. Advant-Edge Paving Equipment, LLC
P.O. Box 9163
Niskayuna, NY 12309-0163
518-280-6090
Contact; Gary D. Antonelli
Cell: 518-368-5699
email: garya@nycap.rr.com
Website: www.advantedgepaving.com

Before using a similar device, the Contractor shall provide proof that the device has been used on previous projects with acceptable results, or construct a test section prior to the beginning of work and demonstrate wedge compaction to the satisfaction of the Engineer. Short sections of handwork will be allowed when necessary for transitions and turnouts, or otherwise authorized by the Engineer.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-403-4

CODE: (IS)

DATE: 11/04/2005

SUBJECT: Hot Mix Asphalt (HMA)

Section 403, Hot Bituminous Pavement, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-403.05.2--Pay Items. Add the "907" prefix to the pay items listed on page 275 & 276.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-601-1

CODE: (IS)

DATE: 08/29/2007

SUBJECT: Structural Concrete

Division 600, Incidental Construction, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

After the heading **DIVISION 600 - INCIDENTAL CONSTRUCTION**, add the following:

Unless otherwise specified, all testing of Portland cement concrete in Division 600 shall be in accordance with the requirements of Subsection 907-601.02.1.

907-601.02--Materials.

907-601.02.1--General. Delete the second and third sentence of the first paragraph of Subsection 601.02.1 on page 348, and substitute the following:

Sampling and testing will be in accordance with TMD-20-04-00-000 or TMD-20-05-00-000, as applicable.

907-601.03.6.3--Removal of Falsework, Forms, and Housing. Delete the first paragraph, the table and second paragraph of Subsection 601.03.6.3 on pages 349 and 350, and substitute the following:

The removal of falsework, forms, and the discontinuance of heating, shall be in accordance with the provisions and requirements of Subsection 907-804.03.15, except that the concrete shall conform to the following compressive strength requirements:

Wingwall and Wall Forms not Under Stress	1000 psi
Wall Forms under Stress	2200 psi
Backfill and Cover clear	2400 psi

In lieu of using concrete strength cylinders to determine when falsework, forms, and housings can be removed, an approved maturity meter may be used to determine concrete strengths by inserting probes into concrete placed in a structure. The minimum number of maturity meter probes required for each structural component shall be in accordance with Subsection 907-804.03.15. Procedures for using the maturity meter and developing the strength/maturity relationship shall follow the requirements of Subsection 907-804.03.15. Technicians using the maturity meter or calculating strength/maturity graphs shall meet the requirements of Subsection 907-804.03.15.

907-601.05--Basis of Payment. Add the “907” prefix to the pay items listed on page 352.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-626-15

CODE: (IS)

DATE: 03/17/2008

SUBJECT: Thermoplastic Traffic Markings

Section 626, Thermoplastic Traffic Markings, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows:

907-626.05--Basis of Payment. Add the “907” prefix to the pay items listed on page 446.

ADVERTISEMENT FOR BIDS

GORDON'S CREEK – DOWNTOWN DISTRICT

CITY OF HATTIESBURG, MISSISSIPPI

Sealed bids will be received by the City of Hattiesburg, at the City Clerk's office, Mississippi, hereafter referred to as Owner, located at 200 Forrest Street, Hattiesburg, Mississippi, 39401, until 10:00 A.M., Local Time, Thursday, **March 13, 2014** for supplying all labor, equipment, and materials (as specified) necessary for the construction of the above referenced project. Work consists of constructing a multi-use path along Gordon's Creek from Ronie Street to Main Street, constructing a small boardwalk along Gordon's Creek near the intersection of Walnut Street and Buschman Street, decorative steel fencing, landscape improvements, and installing a pre-fabricated pedestrian bridge across Gordon's Creek.

The above general outline of features of the work does not in any way limit the responsibility of the Contractor to perform all work and furnish all labor, equipment and materials required by the specifications and the drawings referred to therein.

Contract time shall be **from April 14, 2014 to June 30, 2014** and confirmed in the Notice to Proceed. Liquidated damages will be assessed in the amount of five hundred dollars (\$500) per day for each consecutive calendar day beyond the specified contract time. Additionally, liquidated damages in the amount of \$377,500 minus the Contractor's Job to date Billings plus the contractor's job to date retainage will be assessed as a lump sum payment for time beyond the specified contract time.

Bidder must be qualified under Mississippi Law and show current Certificate of Responsibility issued by the Mississippi State Board of Public Contractors establishing his classification as to the value and type of construction on which he is authorized to bid.

Each Bidder shall write his Certificate of Responsibility Number on the outside of the sealed envelope containing his proposal.

Proposals shall be submitted in duplicate, sealed and deposited with the Owner prior to the hour and date hereinbefore designated. No bidder may withdraw his bid within 90 days after the actual date of the opening thereof.

Each Bidder must submit with his proposal a separate attachment stating his qualifications to perform the work. The Statement of Qualifications shall list past projects of similar size and nature, a list of references with name and telephone number, a list of key personnel who will perform the work, and other information supporting the bidder's qualifications.

Awarding public contracts to non-resident Bidders will be on the same basis as the non-resident bidder's state awards contracts to Mississippi Contractors bidding under similar circumstances. In order to ensure that Mississippi's so-called Golden Rule is followed state law requires a non-resident bidder is to attach to his bid a copy of his resident state's current laws pertaining to such state's treatment of non-resident contractors.

Each Bidder must deposit with his proposal, a Bid Bond or Certified Check in an amount equal to five percent of his bid, payable to the Owner, as bid security. Bidders shall also submit a current financial statement, if

requested, by the Owner. The successful bidder will be required to furnish a Payment Bond and Performance Bond each in the amount of 100 percent of the contract amount.

Copies of the Instructions to Bidders, Bid Forms, Contract Drawings and Contract Specifications (with the exception of the Mississippi Standard Specifications for Road and Bridge Construction) may be procured at the office of the Engineer, Neel-Schaffer located at 704 Hardy Street, Hattiesburg, Mississippi 39401 between the hours of 8:00 A.M. and 5:00 P.M., Local Time, Monday through Friday, upon payment of \$150.00 for each set, which will not be refunded. Checks are to be made payable to the Engineer.

"Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition" as referred to herein, may be purchased from the Mississippi Department of Transportation.

The Owner hereby notifies all Bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged and women's business enterprises will be afforded the full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

A Pre-Bid Meeting will be held on Thursday, March 6, 2014 at 10:00 a.m. at the City Clerk's office located at 200 Forrest Street, Hattiesburg, Mississippi. Prospective bidders are encouraged to attend the meeting.

The Engineer is Neel-Schaffer, Inc., 704 Hardy Street, Hattiesburg, Mississippi 39401; Phone No. (601) 545-1565, Fax No. (601)-545-2267. Geoffrey P. Crosby, P.E. - Project Engineer

The Owner reserves the right to reject any and all bids and to waive any informalities or irregularities therein.

BY: _____
City Clerk
City of Hattiesburg, Mississippi

DATES OF PUBLICATION:

February 7, 2014

February 14, 2014

GORDON'S CREEK - DOWNTOWN DISTRICT
CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI
FORREST COUNTY

MAYOR

JOHNNY L. DUPREE, PH.D

PARKS & RECREATION DIRECTOR

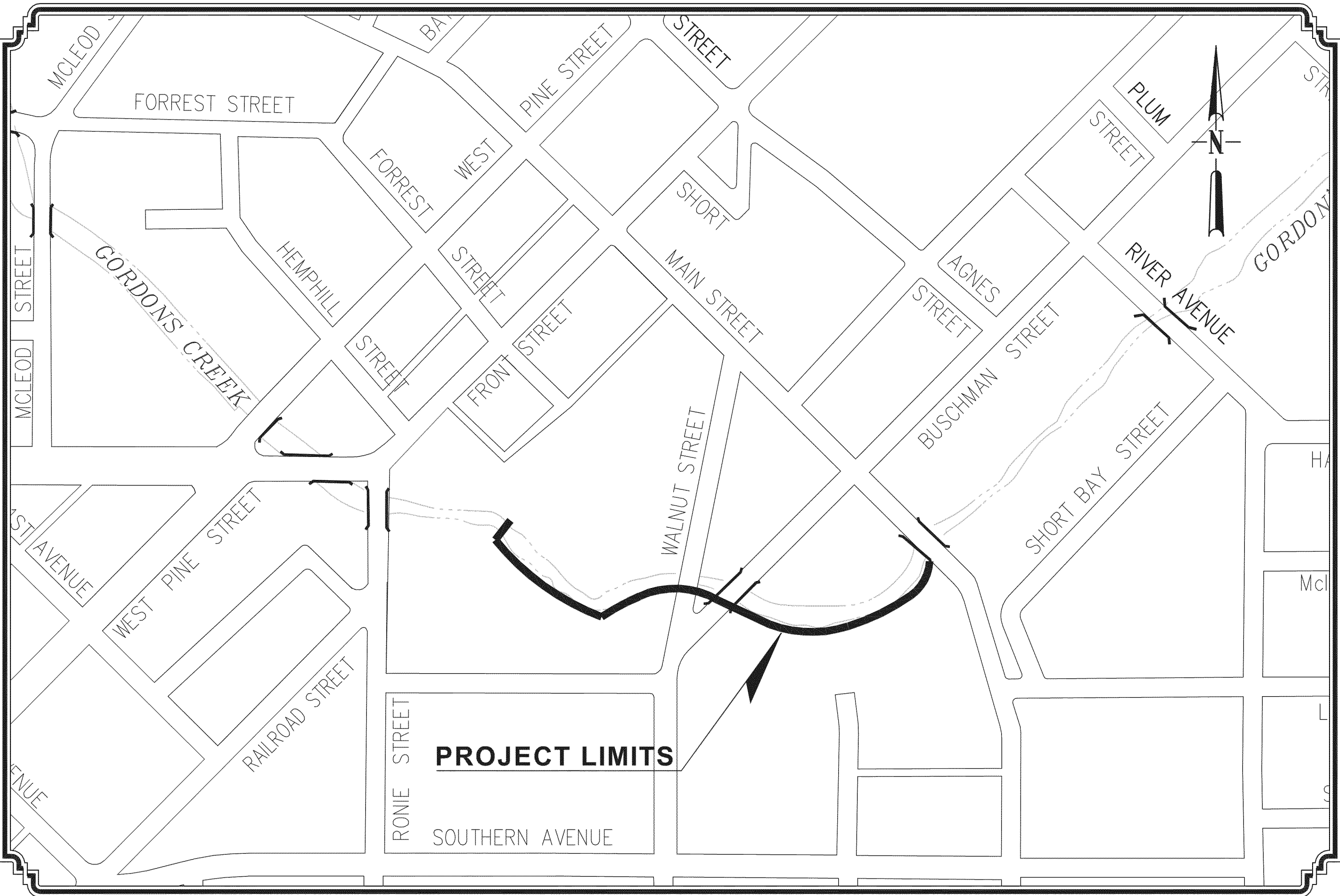
DR. CLEMON TERRELL

COUNCIL MEMBERS

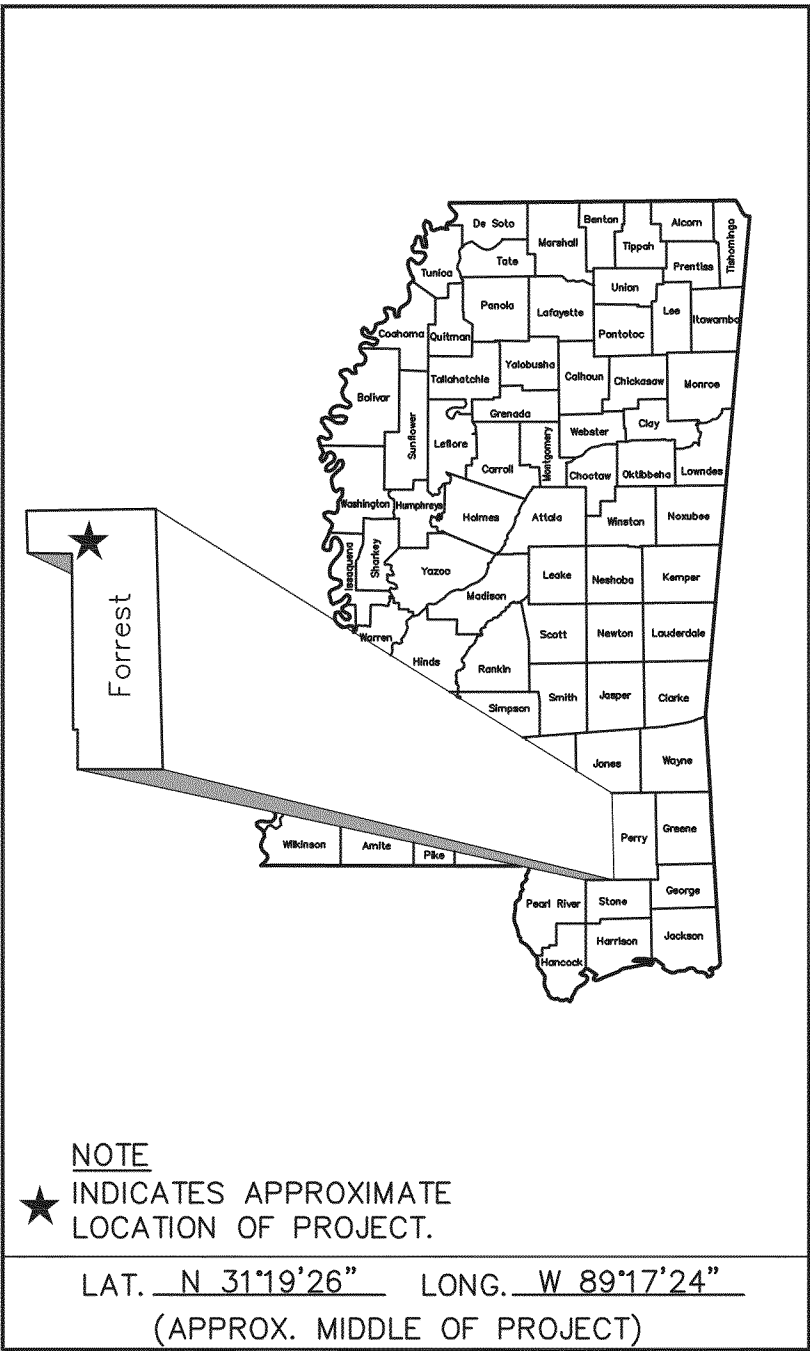
KIM BRADLEY	WARD 1
DEBORAH D. DELGADO	WARD 2
CARTER CARROLL	WARD 3
MARY DRYDEN	WARD 4
HENRY E. NAYLOR	WARD 5

UTILITIES

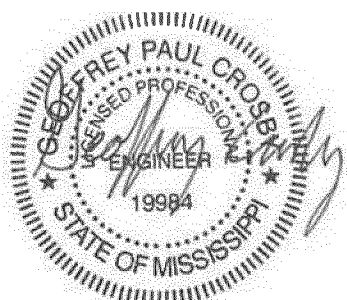
CITY OF HATTIESBURG
MISSISSIPPI POWER
AT&T
WILLMUT GAS
COMCAST CABLE



VICINITY MAP
PROJECT LOCATION



PREPARED BY :



DATE : 1/27/2014

GEOFFREY P. CROSBY, P.E.
MISSISSIPPI LICENSE NO. 19984

GENERAL NOTES

1. THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, AS AMENDED, SHALL BE THE STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF THIS PROJECT UNLESS OTHERWISE INDICATED OR AMENDED IN THE SPECIAL PROVISIONS, PROPOSAL AND CONTRACT DOCUMENTS.

2. EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.

3. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING GRADES AND MAKING ADJUSTMENTS AS NECESSARY WITH THE APPROVAL OF THE PROJECT ENGINEER.

4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT EXISTING STRUCTURES SUCH AS PIPES, INLETS, APRONS, BRIDGES, ETC. FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. EXTREME CARE SHOULD BE EXERCISED IN UNDERCUT AREAS AND THE UNDERCUT DEPTH MAY BE ADJUSTED AT CROSS DRAINS, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.

5. WORK ON STRUCTURES FOR THIS PROJECT REQUIRES EXCAVATION IN THE IMMEDIATE VICINITY OF TRAFFIC AND ADJACENT PROPERTIES. THEREFORE, THE RISK OF A FAILURE OCCURRING DURING THE EXCAVATION REQUIRES THAT EXTREME CAUTION BE EXERCISED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE WHAT BRACING, SHORING, OR GROUND SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE AND PROTECT THE PERSONS WORKING NEAR THE EXCAVATION, THE PUBLIC THAT MAY BE ABOVE THE EXCAVATION, OR ANY STRUCTURE ADJACENT TO THE EXCAVATION. ALL COSTS FOR ANY PROTECTIVE MEASURES INCLUDING THE MATERIALS AND LABOR FOR DESIGNING, DRAWING AND CONSTRUCTING THE FACILITY SHALL BE INCLUDED IN THE PRICE BID FOR CONTRACT ITEMS.

6. VOIDS CREATED BY THE REMOVAL OF POSTS, CONCRETE ANCHORS, FOOTINGS, ETC., SHALL BE BACKFILLED AND TAMPED IN ACCORDANCE WITH SECTION 203 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (COST ABSORBED).

7. PRIOR TO EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL TOPSOIL SHALL BE STRIPPED AND STOCKPILED. AFTER COMPLETION OF EXCAVATION AND EMBANKMENT CONSTRUCTION, ALL SLOPES SHALL BE UNIFORMLY PLATED WITH THE STOCKPILED TOPSOIL. THE COST OF STRIPPING, STOCKPILING, PLACING AND SPREADING OF TOPSOIL IS TO BE INCLUDED IN OTHER ITEMS OF WORK.

8. ALL STORM DRAINAGE STRUCTURES SHALL BE CAST-IN-PLACE.

9. FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED IN PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.

10. THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS AND MAILBOXES WHICH CONFLICT WITH CONSTRUCTION (NOT A SEPARATE PAY ITEM).

11. THE LOCATION AND SPACING OF SIGNS SHOWN ON THE TRAFFIC CONTROL PLAN ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.

12. ALL POST LENGTHS FOR SIGNS SHALL BE VERIFIED IN THE FIELD PRIOR TO FABRICATION.

13. SOME WORK MAY BE REQUIRED OUTSIDE THE PROJECT LIMITS BEYOND THE B.O.P. AND E.O.P. NO ADDITIONAL COMPENSATION WILL BE MADE FOR SUCH WORK EXCEPT AS PROVIDED BY SPECIFIC PAY ITEMS SHOWN ON THE PLANS.

14. ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

15. ALL RAISED OBJECTS SHALL BE PLACED A MINIMUM OF 2 FEET BEHIND THE FACE OF CURB.

16. CONTRACTOR SHALL MAKE THE APPLICATION FOR POWER SERVICE, COORDINATING WITH UTILITY COMPANY, IN ADVANCE OF REQUIRING THE ELECTRICAL SERVICE.

17. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THROUGH AND LOCAL TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.

18. THE CONTRACTOR SHALL PROVIDE ACCESS (INGRESS AND EGRESS) TO LOCAL BUSINESSES AND HOMEOWNERS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO NOTIFY BUSINESSES AND HOMEOWNERS 48 HOURS IN ADVANCE OF ACCESS RESTRICTIONS.

19. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER CONTRACTOR'S TO FACILITATE TIE-INS TO OTHER CONTRACTOR'S WORK, WHERE FEASIBLE AND PRACTICABLE.

20. THE CONTRACTOR SHALL PAY ALL COSTS ASSOCIATED WITH WORK WITHIN THE RAILROAD RIGHT OF WAY. THIS SHALL INCLUDE, BUT NOT LIMITED TO, RAILROAD FLAGMEN, PROTECTION OF SIGNAL CABLES, OUTSIDE SERVICE PROVIDER FOR CONSTRUCTION ENGINEERING AND INSPECTIONS, ADDITIONAL PERMITS, TRACK WORK, AND TRAINING (COST ABSORBED).

21. CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES FOR RELOCATION OF EXISTING POWER, GAS, TELEPHONE, AND CABLE TV UTILITIES. CONTRACTOR SHALL PROVIDE ACCESS TO THE UTILITY COMPANIES FOR RELOCATION ACTIVITIES AS REQUIRED.

22. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE VERIFICATION, PROTECTION, AND RELOCATION OF BENCHMARKS DURING CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE FOR RELOCATION OF BENCHMARKS.

23. CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING ANY SIGNS THAT ARE IN DIRECT CONFLICT WITH CONSTRUCTION IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION (COST ABSORBED).

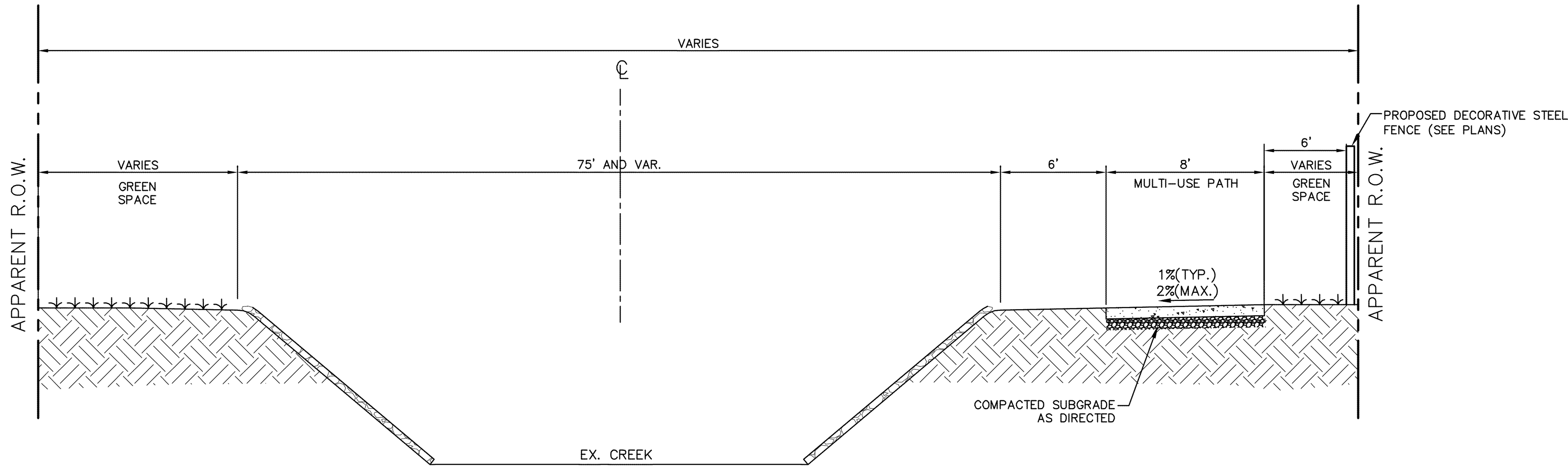
24. REMOVAL OF EXISTING AND TEMPORARY TRAFFIC STRIPING, TRAFFIC CONTROL SIGNS AND BARRICADES SHALL BE ABSORBED UNDER PAY ITEM 618-A, MAINTENANCE OF TRAFFIC.

25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE UTILITY COMPANIES IF ANY UTILITY POLES NEED TO BE SUPPORTED DURING CONSTRUCTION (COST ABSORBED).

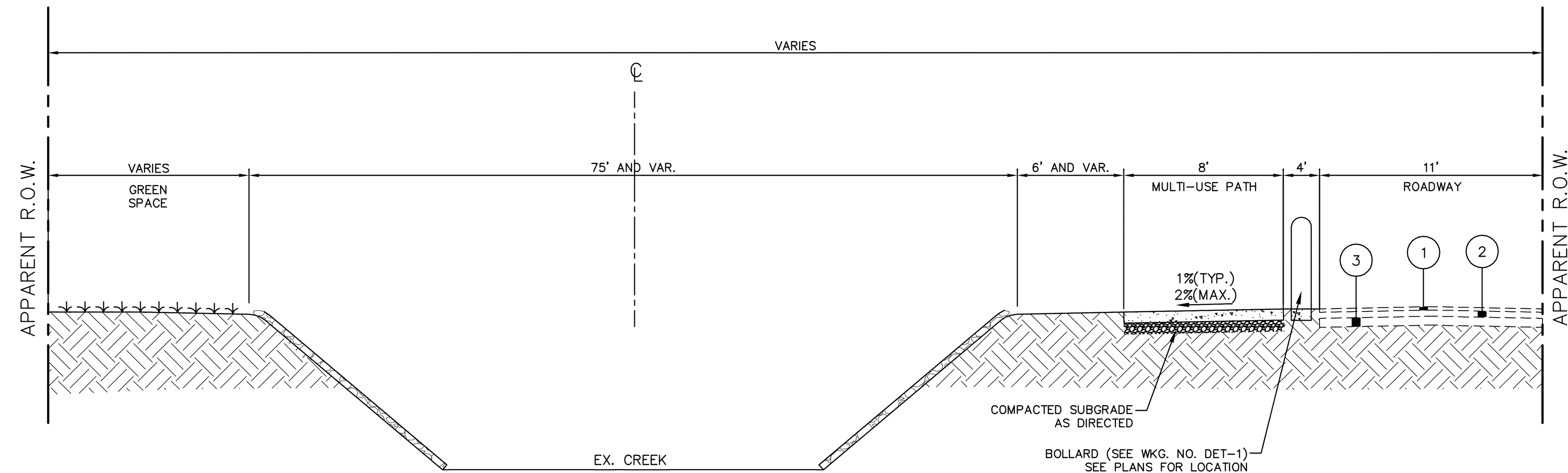
26. THE CONTRACTOR SHALL REPAIR FENCES, RETAINING WALLS, GATES, SODDING, LANDSCAPING, ETC. DAMAGED DURING OVERALL CONSTRUCTION (COST ABSORBED).

27. THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM RESPONSIBILITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SILT DOES NOT LEAVE THE RIGHT OF WAY OR CONTAMINATE WATERS OF THE U.S. DURING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN PRIOR TO COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION.

28. WHERE THE RIP RAP IS REQUIRED TO BE REMOVED, THE CONTRACTOR SHALL EXTEND THE DRAINAGE PIPE AND BACKFILL THE AREA FOR SIDEWALK TO BE INSTALLED. BACKFILL SHALL BE PROPERLY COMPACTED AFTER THE EXTENSION OF THE DRAINAGE PIPE.
- | DESCRIPTION OF SHEET | | WKG. NO. | SHT. NO. |
|--|--|----------|----------|
| TITLE SHEET (1) | | | 1 |
| DETAILED INDEX & GENERAL NOTES (1) | | | |
| INDEX & GENERAL NOTES | | GN-1 | 2 |
| TYPICAL SECTION SHEETS (1) | | | |
| TYPICAL SECTIONS | | TS-1 | 3 |
| QUANTITY SHEETS (1) | | | |
| SUMMARY OF QUANTITIES | | SQ-1 | 4 |
| DEMOLITION SHEETS (3) | | | |
| DEMOLITION PLAN - GORDON'S CREEK STA. 10+00 TO STA. 14+00 | | DEMO-1 | 5 |
| DEMOLITION PLAN - GORDON'S CREEK STA. 14+00 TO STA. 20+00 | | DEMO-2 | 6 |
| DEMOLITION PLAN - GORDON'S CREEK STA. 20+00 TO STA. 25+72 | | DEMO-3 | 7 |
| PLAN SHEETS (4) | | | |
| DRAWING KEY | | DK-1 | 8 |
| GORDON'S CREEK - STA. 10+00 TO STA. 14+00 | | PP-1 | 9 |
| GORDON'S CREEK - STA. 14+00 TO STA. 20+00 | | PP-2 | 10 |
| GORDON'S CREEK - STA. 20+00 TO STA. 25+72 | | PP-3 | 11 |
| SPECIAL DESIGN SHEETS (15) | | | |
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| MISCELLANEOUS DETAILS | | DET-2 | 14 |
| MISCELLANEOUS DETAILS | | DET-3 | 15 |
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| PEDESTRIAN BRIDGE DETAILS | | DET-5 | 17 |
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| LANDSCAPING PLAN | | LS-1 | 19 |
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| LANDSCAPING PLAN | | LS-3 | 21 |
| LANDSCAPING DETAILS | | LS-4 | 22 |
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| DETAILS OF SEDIMENT BARRIER APPLICATIONS | | ECD-2 | |
| DETAILS OF SILT FENCE INSTALLATION | | ECD-3 | |
| DETAILS OF EROSION CONTROL WATTLE DITCH CHECK | | ECD-6 | |
- TOTAL NUMBER OF SHEETS (35)
- | NOTICE TO DRAWING HOLDER
NEEL-SCHAFER, INC., HEREINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM. | REVISIONS | | | | DRAWING INFORMATION | | GORDON'S CREEK - DOWNTOWN DISTRICT | |  | INDEX & GENERAL NOTES | | | | |
|---|-----------|------|----|-------------|-----------------------------------|---------------|---------------------------------------|--|---|-------------------------|----------------------|--|--|--|
| | NO. | DATE | BY | DESCRIPTION | N-S PROJECT NO: 11846.001 | | | | | | | | | |
| | | | | | FILENAME: 11846_GENERAL NOTES.DWG | | | | | | | | | |
| | | | | | SCALE: NOT TO SCALE | | | | | | | | | |
| | | | | | SURVEYED BY: | | | | | | | | | |
| | | | | | DSON: GPC | DATE: 01/2014 | | | | | | | | |
| | | | | | DRWN: AAM | DATE: 01/2014 | | | | | | | | |
| | | | | | CHKD: | DATE: | | | | | | | | |
| | | | | | QA/QC: | DATE: | CITY OF HATTIESBURG
FORREST COUNTY | | | WORKING NUMBER:
GN-1 | DRAWING NUMBER:
2 | | | |

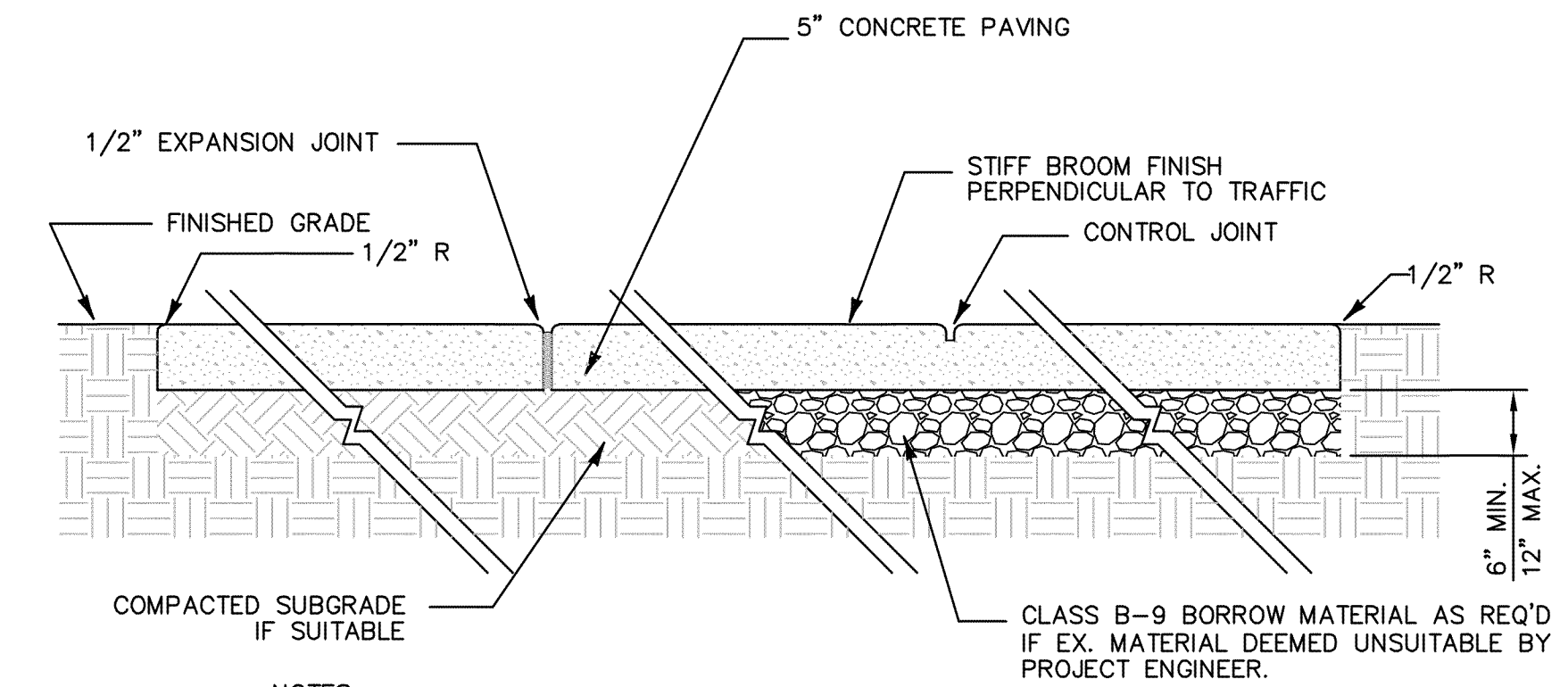


PROPOSED TYPICAL SECTION
NOT TO SCALE
STA. 14+00 TO STA. 22+75



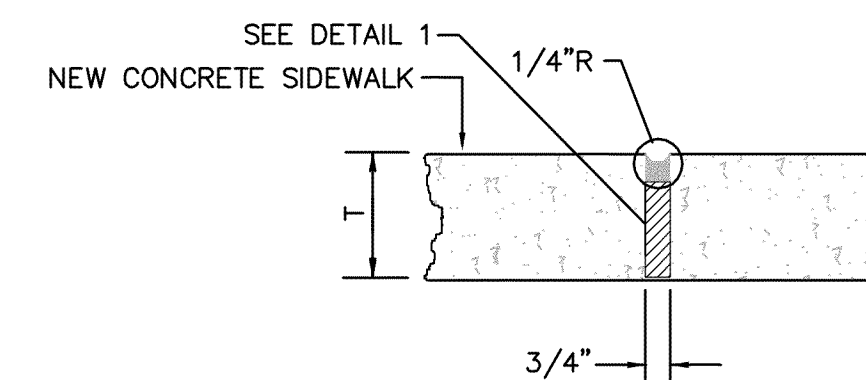
PROPOSED TYPICAL SECTION
NOT TO SCALE
STA. 22+75 TO STA. 25+72

- ① 1.5" DEPTH – HMA, ST (9.5mm MIXTURE)
- ② 3" DEPTH – HMA, ST (12.5mm MIXTURE)(2-1.5" LIFTS)
- ③ 6" SIZE 825B CRUSHED STONE

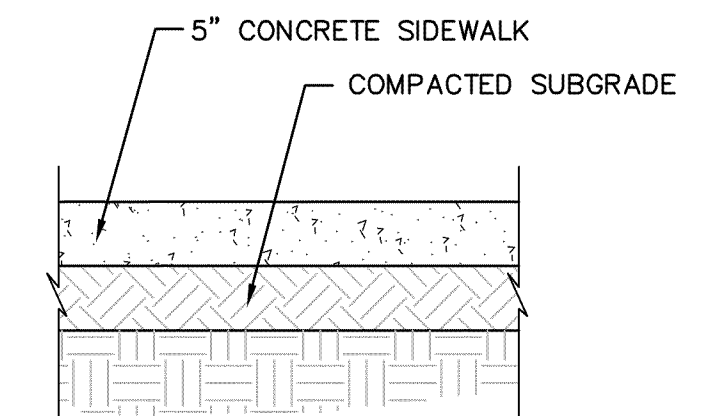


- NOTES:
- 1/2" EXPANSION JOINT CONFORMING TO ASTM D1751. TOP OF JOINT SHALL BE SEALED w/ 1/2" TAR MODIFIED URETHANE SEALANT. PLACE EXPANSION JOINT AS SHOWN IN TABLE BELOW.
 - HAND TOOLED CONTROL JOINTS W/ 1/2" RADIUS EVERY 8'
 - ALL SUBGRADE SOILS FOR SIDEWALK SHALL BE COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.

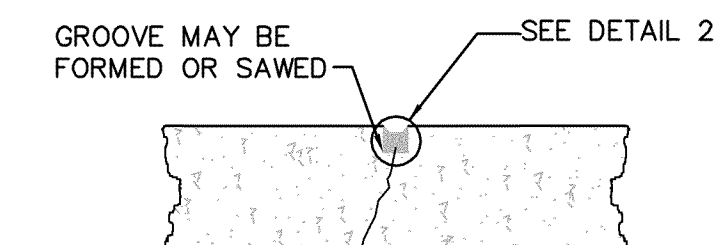
TYPICAL SIDEWALK DETAIL
NOT TO SCALE



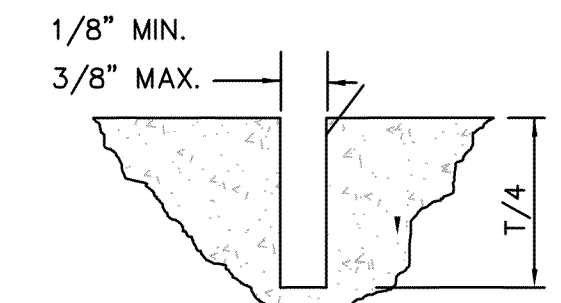
TYPE "B" - EXPANSION JOINT
NOT TO SCALE



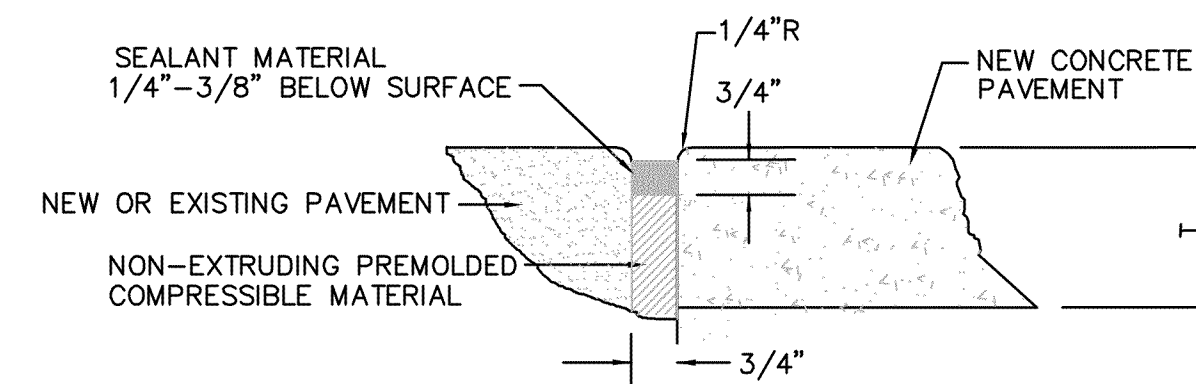
TYPICAL CONCRETE SIDEWALK DETAIL
NOT TO SCALE



TYPE "A" - CONTROL JOINT
NOT TO SCALE



DETAIL 2 - CONTROL JOINT
NOT TO SCALE



DETAIL 1 - EXPANSION JOINTS
NOT TO SCALE

JOINT SPACING		
SIDEWALK WIDTH	CONTROL JOINT	EXPANSION JOINT
8	8	40

NOTICE TO DRAWING HOLDER NEEL-SCHAFFER, INC., HEREINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.	REVISIONS			DRAWING INFORMATION	
	NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 11846.001
					FILENAME: 11846_TYP_SECT.DWG
					SCALE: NOT TO SCALE
					SURVEYED BY:
					DSGN: GPC DATE: 01/2014
					DRWN: AAM DATE: 01/2014
					CHKD: DATE:
				QA/QC: DATE:	
GORDON'S CREEK - DOWNTOWN DISTRICT					
CITY OF HATTIESBURG FORREST COUNTY					
NEEL-SCHAFFER Solutions you can build upon					
TYPICAL SECTIONS					
WORKING NUMBER:		DRAWING NUMBER:			
TS-1		3			

SUMMARY OF QUANTITIES									
PAY ITEM NO.		PAY ITEM DESCRIPTION			UNIT	PRELIMINARY	FINAL		
		***** EARTHWORK ITEMS *****							
⑥	201-A	RANDOM CLEARING AND GRUBBING			ACRE	1			
④	202-A	REMOVAL OF OBSTRUCTIONS			LUMP SUM	1			
	202-B	REMOVAL OF RETAINING WALL, ALL TYPES			SQ. FT.	175			
①	202-B	REMOVAL OF CONCRETE SIDEWALK			SQ. YD.	12			
①	202-B	REMOVAL OF PAVEMENT, ALL TYPES AND DEPTHS			SQ. YD.	575			
①	202-B	REMOVAL OF CURB & GUTTER, ALL TYPES			LIN. FT.	50			
	202-B	REMOVAL OF RIPRAP/GROUTED RIPRAP, ALL SIZES			SQ. YD.	300			
	203-A	UNCLASSIFIED EXCAVATION, FM, AH			CU. YD.	100			
	203-E	BORROW EXCAVATION, AH, FME, CLASS B9			CU. YD.	500			
	203-G	EXCESS EXCAVATION, FM, AH			CU. YD.	100			
		***** ROADSIDE DEVELOPMENT ITEMS *****							
	211-B	TOPSOIL FOR SLOPE TREATMENT, CONTRACTOR FURNISHED			CU. YD.	115			
	211-B	TOPSOIL FOR PLANT PITS, CONTRACTOR FURNISHED			CU. YD.	5			
	212-B	STANDARD GROUND PREPARATION			SQ. YD.	1634			
	907-213-A	AGRICULTURAL LIMESTONE			TON	1			
	213-B	COMBINATION FERTILIZER, 13-13-13			TON	1			
	216-B	SOLID SODDING, BERMUDA			SQ. YD.	1634			
	219-A	WATERING			KGAL	250			
	220-A	INSECT PEST CONTROL			ACRE	1			
	907-230-A	SHRUB PLANTING, DWARF YAUPON HOLLY			EACH	16			
	907-230-A	SHRUB PLANTING, KNOCKOUT ROSE			EACH	34			
	907-230-A	SHRUB PLANTING, AZALEA			EACH	6			
	907-230-A	SHRUB PLANTING, LIRIOPE "BIG BLUE"			EACH	685			
	907-230-B	TREE PLANTING, LIVE OAK			EACH	2			
	907-230-B	TREE PLANTING, CHINESE ELM "DRAKE"			EACH	5			
	907-230-B	TREE PLANTING, RIVER BIRCH			EACH	9			
	907-230-D	BED PREPARATION			SQ. FT.	1821			
	232-A	FERTILIZER FOR WOODY PLANTS, TABLET, 10 GRAM			K	1			
	907-233-A	TREE BARK MULCH, TYPE III			CU. YD.	14			
	907-233-A	TREE BARK MULCH, TYPE V			CU. YD.	20			
② ③	907-240-PP	EROSION CONTROL			LUMP SUM	1			
		***** SUB-BASE AND BASE ITEMS *****							
	907-304-G	SIZE 825B CRUSHED STONE BASE, AEA			CU. YD.	60			
		***** ASPHALT ITEMS *****							
	907-403-A	HOT MIX ASPHALT, ST, 12.5-MM MIXTURE			TON	80			
	907-403-A	HOT MIX ASPHALT, ST, 9.5-MM MIXTURE			TON	40			
		***** STORM DRAINAGE ITEMS *****							
②	907-601-B	CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES			CU. YD.	10			
②	602-A	REINFORCING STEEL			LBS	3000			
② ⑧	603-CA	24" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS			LIN. FT.	32			
② ⑧	603-CA	18" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS			LIN. FT.	16			
② ⑧	603-CA	15" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS			LIN. FT.	40			
② ⑧	603-CA	12" REINFORCED CONCRETE PIPE, CLASS III, RUBBER TYPE GASKETS			LIN. FT.	8			
②	604-A	CASTINGS			LBS	79			
		***** INCIDENTAL CONSTRUCTION ITEMS *****							
⑦ ⑨	907-607-PP	4'H X 8'W DECORATIVE FENCE PANEL, PER PLANS			EACH	43			
⑦ ⑨	907-607-PP	DECORATIVE STEEL FENCE POST, PER PLANS			EACH	44			
	608-A	CONCRETE SIDEWALK, WITHOUT REINFORCEMENT			SQ. YD.	1030			
⑦ ⑪	613-A	ADJUSTMENT OF CASTINGS, GRATINGS & UTILITY APPURTENANCES			LUMP SUM	1			
⑤	618-A	MAINTENANCE OF TRAFFIC			LUMP SUM	1			
	618-B	ADDITIONAL CONSTRUCTION SIGNS			SQ. FT.	10			
	620-A	MOBILIZATION			LUMP SUM	1			
	630-A	STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS			SQ. FT.	24.75			
⑦	630-C	STEEL U-SECTION POSTS, 3.0 TO 3.5 LB/FT			LIN. FT.	42			
	699-A	ROADWAY CONSTRUCTION STAKES			LUMP SUM	1			
	809-A	MODULAR RETAINING WALL SYSTEM			SQ. FT.	20			
	815-B	GROUTED RIPRAP, SIZE 100			SQ. YD.	300			
	815-E	GEOTEXTILE UNDER GROUTED RIPRAP, TYPE V, NON-WOVEN			SQ. YD.	300			
	907-242-PP	METAL BENCH, PER PLANS			EACH	1			
	907-242-PP	TRASH RECEPTACLE, PER PLANS			EACH	1			
	907-242-PP	BIKE RACK, PER PLANS			EACH	1			
	907-242-PP	KIOSK, PER PLANS			EACH	1			
	907-258-PP	BOLLARD, PER PLANS			EACH	23			
⑩	907-258-PP	PEDESTRIAN BOARDWALK, PER PLANS			LIN. FT.	40			
⑩	907-258-PP	PEDESTRIAN BRIDGE, PER PLANS			LUMP SUM	1			
		***** PAVEMENT MARKING ITEMS *****							
	907-626-H	THERMOPLASTIC LEGEND, WHITE, 4" EQUIVALENT			LIN. FT.	768			

NOTICE TO DRAWING HOLDER

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				FILENAME: SQ.DWG	
				SCALE: NOT TO SCALE	
				SURVEYED BY:	
				DSGN: GPC	DATE: 01/2014
				DRWN: AAM	DATE: 01/2014
				CHKD:	DATE:
				QA/QC:	DATE:

GORDON'S CREEK - DOWNTOWN DISTRICT

CITY OF HATTIESBURG
FORREST COUNTY, MS

NEEL-SCHAFFER

Solutions you can build upon

SUMMARY OF QUANTITIES	
WORKING NUMBER:	DRAWING NUMBER:
SQ-1	4

- REMOVAL OF ASPHALT PAVEMENT

REMOVAL OF RIPRAP

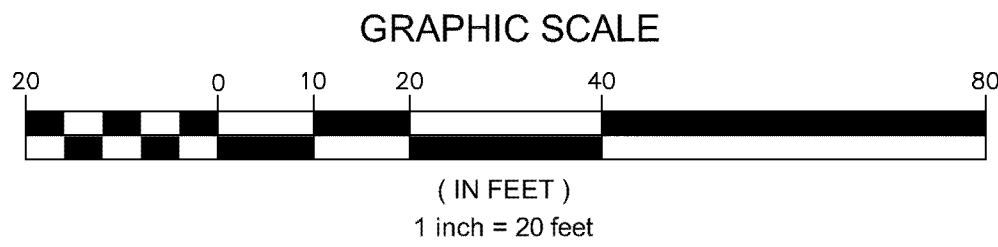
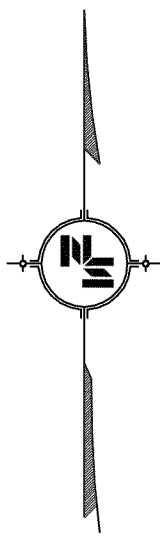
REMOVAL OF CONCRETE SIDEWALK

REMOVAL OF CONCRETE CURB
- REVETMENT

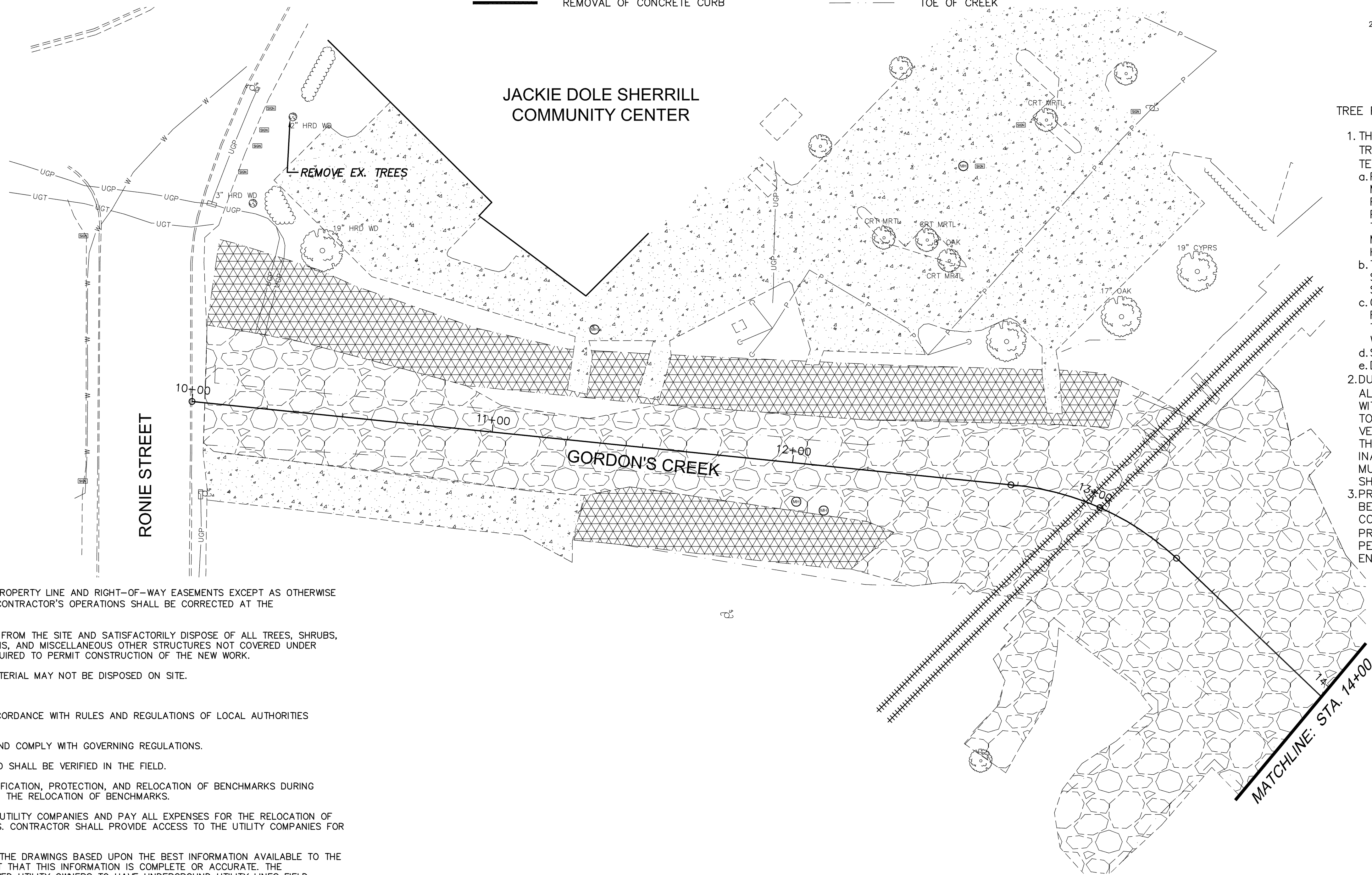
RIPRAP

TOP OF BANK

TOE OF CREEK



JACKIE DOLE SHERRILL
COMMUNITY CENTER



- TREE PROTECTION GENERAL NOTES
- THE FOLLOWING ACTIVITIES ARE PROHIBITED WITHIN THE TREE PROTECTION ZONE (AREA BETWEEN THE TRUNK AND TEMPORARY FENCE) INCLUDE:
 - PARKING VEHICLES OR EQUIPMENT, STORAGE OF BUILDING MATERIALS, REFUSE, OR EXCAVATED SOILS, OR DUMPING POISONOUS MATERIAL ON OR AROUND TREES AND ROOTS. POISONOUS MATERIALS INCLUDE, BUT ARE NOT LIMITED TO PAINT, PETROLEUM PRODUCTS, CONCRETE, STUCCO MIX, DIRTY WATER OR ANY MATERIAL THAT MAY BE HARMFUL TO TREE HEALTH
 - THE USE OF TREE TRUNKS AS A BACKSTOP, WINCH SUPPORT, ANCHORAGE, AS A TEMPORARY POWER POLE, SIGNPOST OR OTHER SIMILAR FUNCTION
 - CUTTING OF TREE ROOTS BY UTILITY TRENCHING, FOUNDATION DIGGING, PLACEMENT OF CURBS AND TRENCHES, OR OTHER MISCELLANEOUS EXCAVATIONS WITHOUT PRIOR APPROVAL OF THE ENGINEER.
 - SOIL DISTURBANCE OR GRADE CHANGE
 - DRAINAGE CHANGES
 - DURING CONSTRUCTION, WOOD MULCH (OAK MULCH NOT ALLOWED DUE TO RISK OF OAK WILT) SHALL BE SPREAD WITHIN THE TREE PROTECTION ZONE IN AREAS TO BE USED TO LOCATE, PARK, MOVE OR OPERATE MACHINERY OR ANY VEHICLE TO A DEPTH OF FOUR TO SIX INCHES, LEAVING THE TRUNK CLEAR OF MULCH. THIS WILL AID IN INADVERTENT SOIL COMPACTION AND MOISTURE LOSS. MULCH SHALL BE 2-INCH UNPAINTED, UNTREATED SHREDDED WOOD OR OTHER APPROVED MATERIAL.
 - PRIOR TO CONSTRUCTION, VARIOUS TREES MAY NEED TO BE PRUNED AWAY FROM STRUCTURES OR PROPOSED CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL PROVIDE A QUALIFIED TREE PRUNING PERSON(S) TO PERFORM THE WORK, AND SHALL BE APPROVED BY THE ENGINEER.

- NOTES:
- LIMITS OF CLEARING SHALL BE ALL AREAS WITHIN THE PROPERTY LINE AND RIGHT-OF-WAY EASEMENTS EXCEPT AS OTHERWISE SHOWN. DAMAGE OUTSIDE THESE LIMITS CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
 - EXCEPT AS NOTED BELOW, CONTRACTOR SHALL REMOVE FROM THE SITE AND SATISFACTORILY DISPOSE OF ALL TREES, SHRUBS, STUMPS, ROOTS, BRUSH, MASONRY, RUBBISH, SCRAP, DEBRIS, AND MISCELLANEOUS OTHER STRUCTURES NOT COVERED UNDER OTHER SECTIONS AS SHOWN, SPECIFIED OR OTHERWISE REQUIRED TO PERMIT CONSTRUCTION OF THE NEW WORK.
 - TREES, STUMPS AND OTHER CLEARED AND GRUBBED MATERIAL MAY NOT BE DISPOSED ON SITE.
 - BURNING WILL NOT BE ALLOWED ON SITE.
 - ALL BURNING OFF THE SITE SHALL BE IN COMPLETE ACCORDANCE WITH RULES AND REGULATIONS OF LOCAL AUTHORITIES HAVING JURISDICTION.
 - CONTROL AIR POLLUTION CAUSED BY DUST AND DIRT, AND COMPLY WITH GOVERNING REGULATIONS.
 - LIMITS OF CLEARING AND MILLING ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION, PROTECTION, AND RELOCATION OF BENCHMARKS DURING CONSTRUCTION. NO SEPARATE PAYMENT WILL BE MADE FOR THE RELOCATION OF BENCHMARKS.
 - CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES AND PAY ALL EXPENSES FOR THE RELOCATION OF EXISTING POWER, GAS, TELEPHONE, AND CABLE TV UTILITIES. CONTRACTOR SHALL PROVIDE ACCESS TO THE UTILITY COMPANIES FOR RELOCATION ACTIVITIES AS REQUIRED.
 - EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ANY AND ALL MARKINGS AS NEEDED TO PROTECT EXISTING UTILITIES. ANY DAMAGE OR INTERRUPTION OF SERVICE CAUSED BY THE CONTRACTOR'S NEGLIGENCE SHALL BE REPORTED IMMEDIATELY TO THE APPROPRIATE UTILITY COMPANY AND SHALL BE REPAIRED AND SERVICE RESTORED IN FULL COOPERATION WITH THE UTILITY COMPANY AT THE CONTRACTOR'S EXPENSE.
 - ALL TREES ARE TO REMAIN UNLESS OTHERWISE NOTED.
 - ORANGE SAFETY FENCE USED FOR TREE PROTECTION SHALL BE COST ABSORBED.
 - FOR TREES TO BE REMOVED, CONTRACTOR SHALL GRIND STUMP, REMOVE MATERIAL TO A DEPTH OF 36" AND BACKFILL WITH APPROVED TOPSOIL.

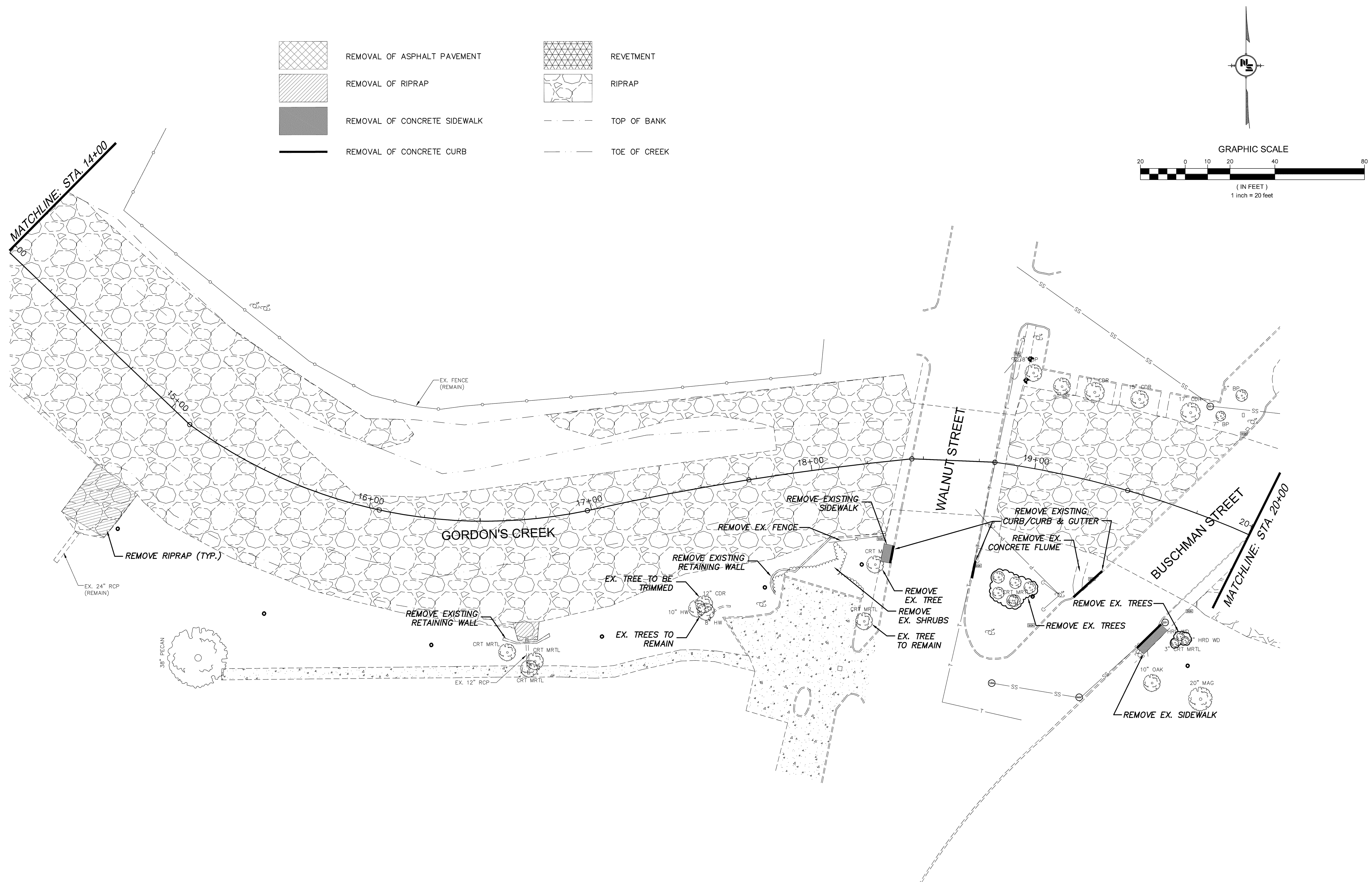
GORDON'S CREEK - DOWNTOWN DISTRICT

CITY OF HATTIESBURG
FORREST COUNTY, MS



DEMOLITION PLAN
STA. 10+00 TO STA. 14+00

WORKING NUMBER:	DRAWING NUMBER:
DEMO-1	5



NOTICE TO DRAWING HOLDER

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NO.	DATE	BY	DESCRIPTION	
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				SURVEYED BY:
				DSGN: GPC DATE: 01/2014
				DRWN: AAM DATE: 01/2014
				CHKD: DATE:
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GORDON'S CREEK - DOWNTOWN DISTRICT

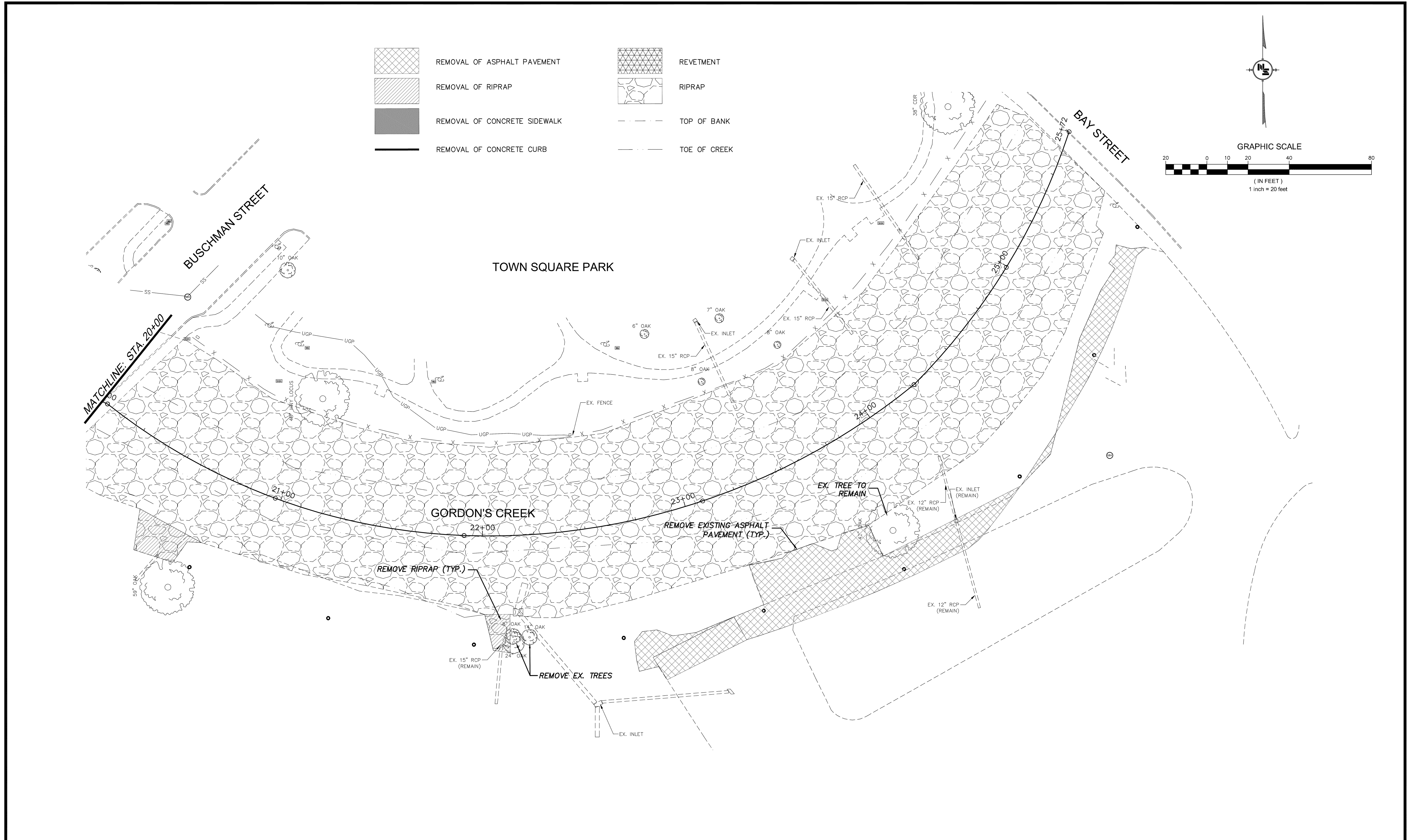
CITY OF HATTIESBURG
FORREST COUNTY, MS



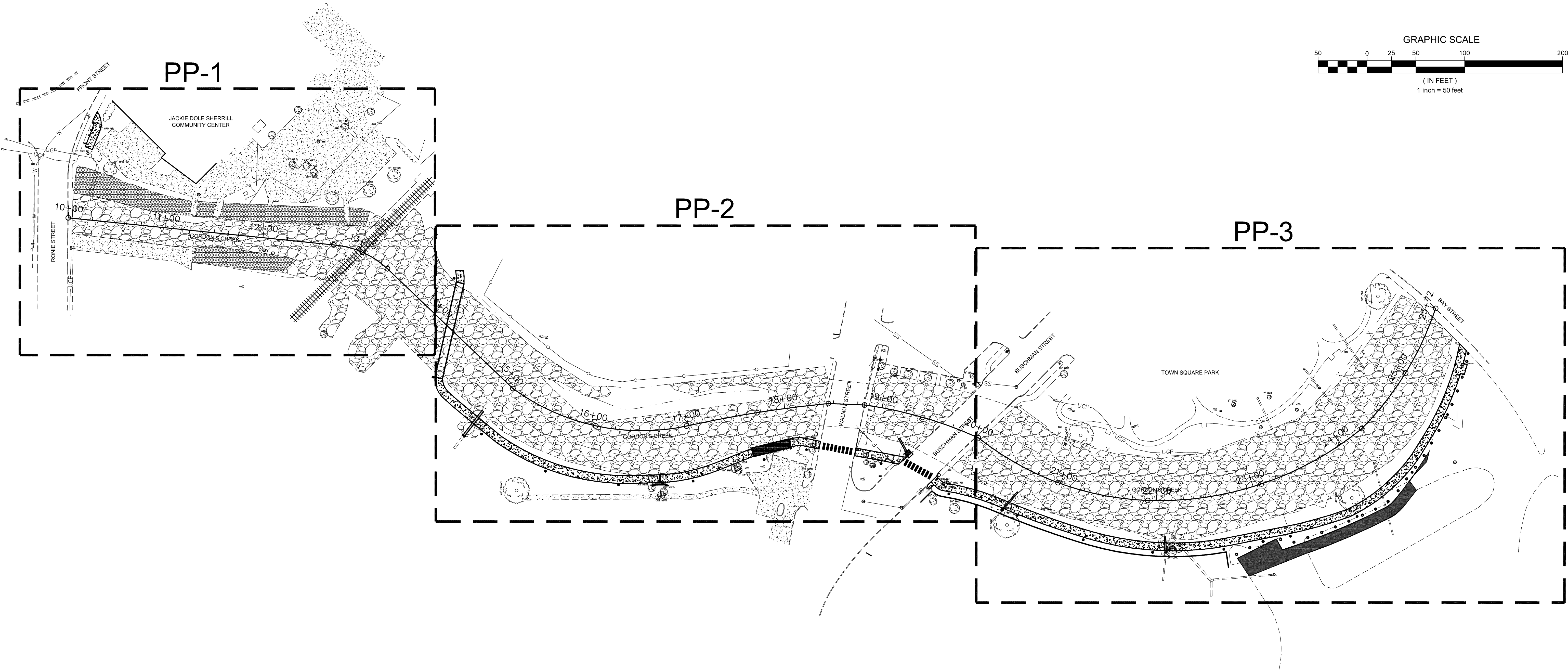
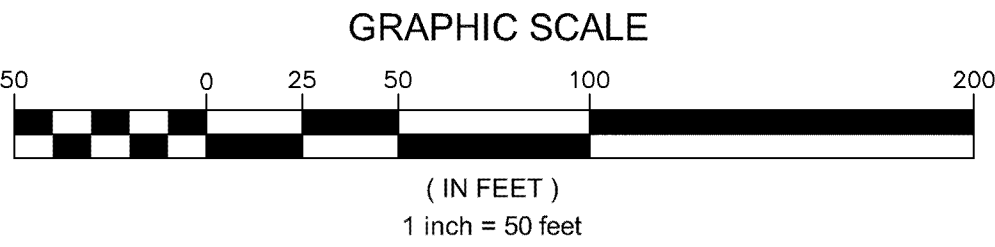
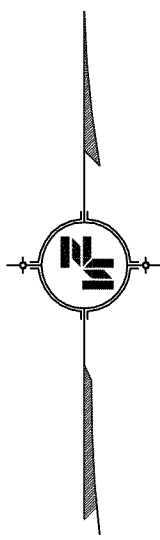
DEMOLITION PLAN
STA. 14+00 TO STA. 20+00

WORKING NUMBER:
DEMO-2

DRAWING NUMBER:
6



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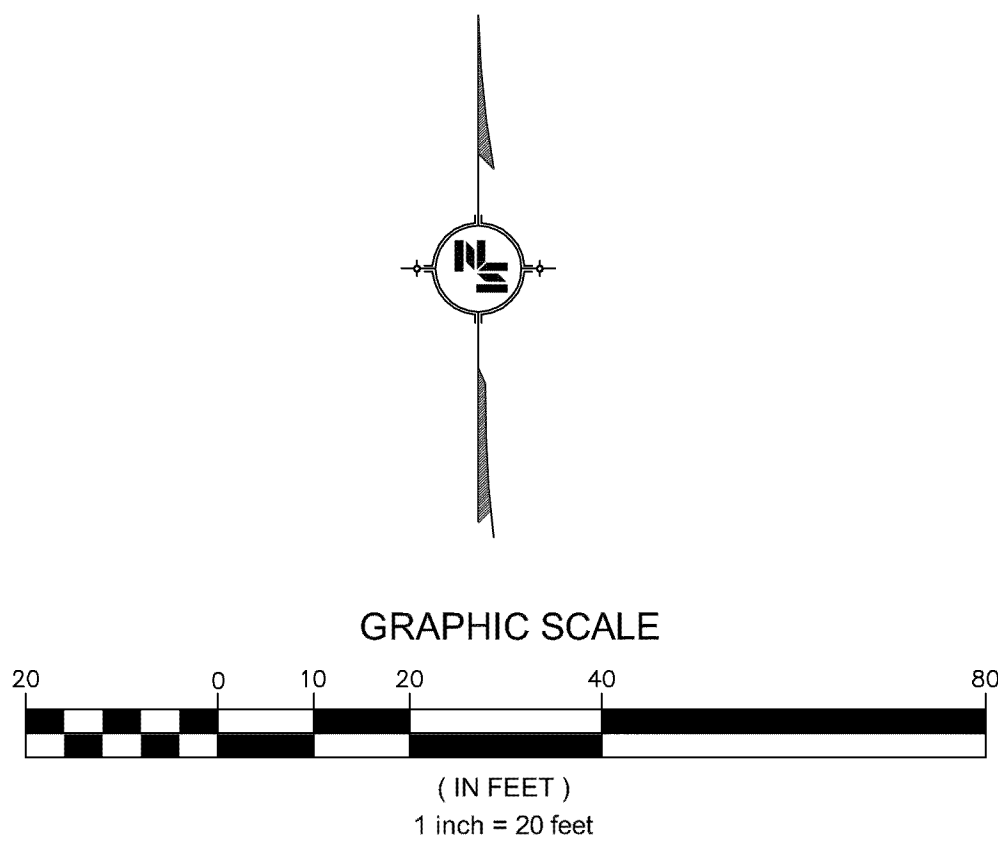
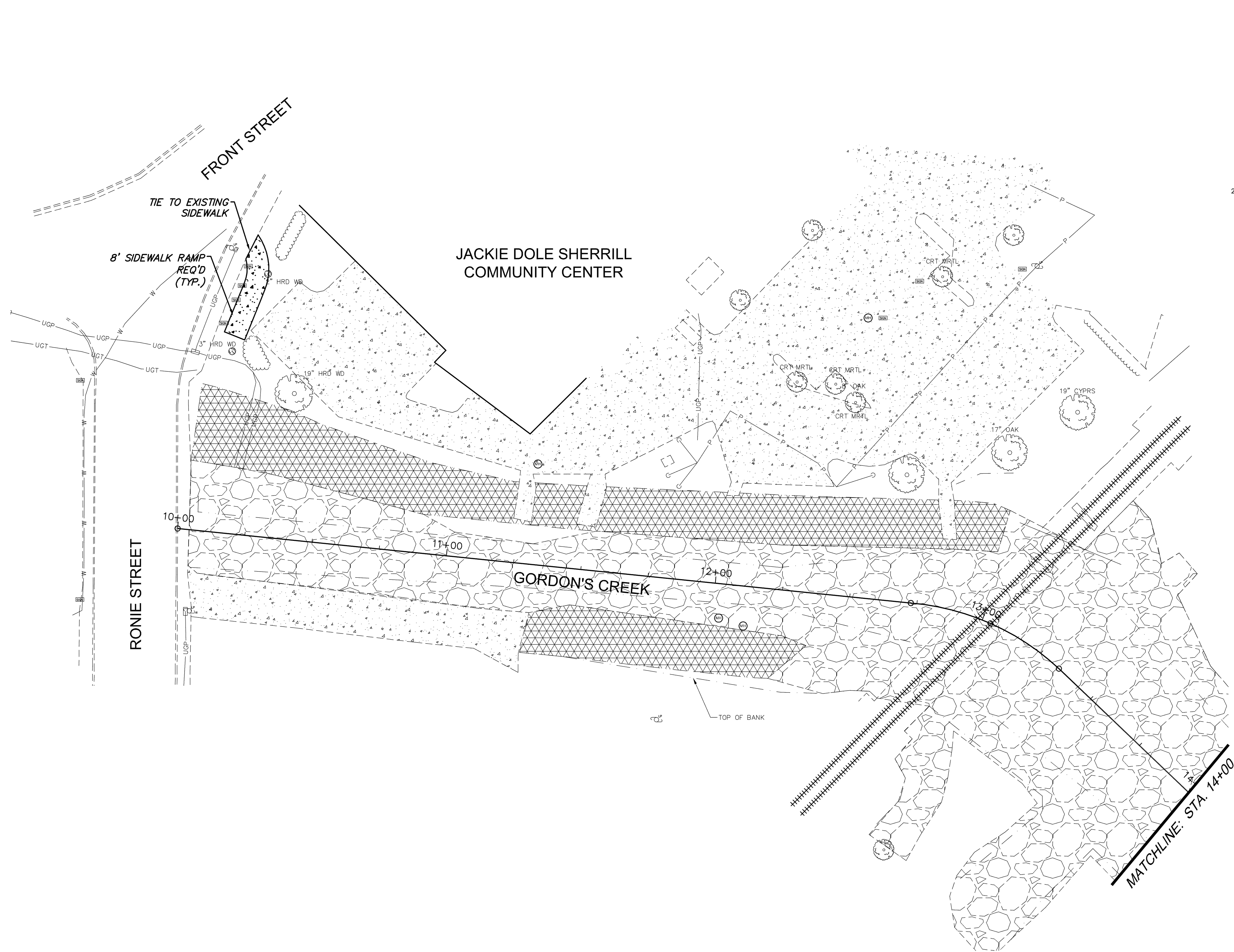
GORDON'S CREEK - DOWNTOWN

CITY OF HATTIESBURG
FORREST COUNTY, MS



GORDON'S CREEK
OVERALL PLAN

WORKING NUMBER:	DRAWING NUMBER:
DK-1	8



NOTICE TO DRAWING HOLDER

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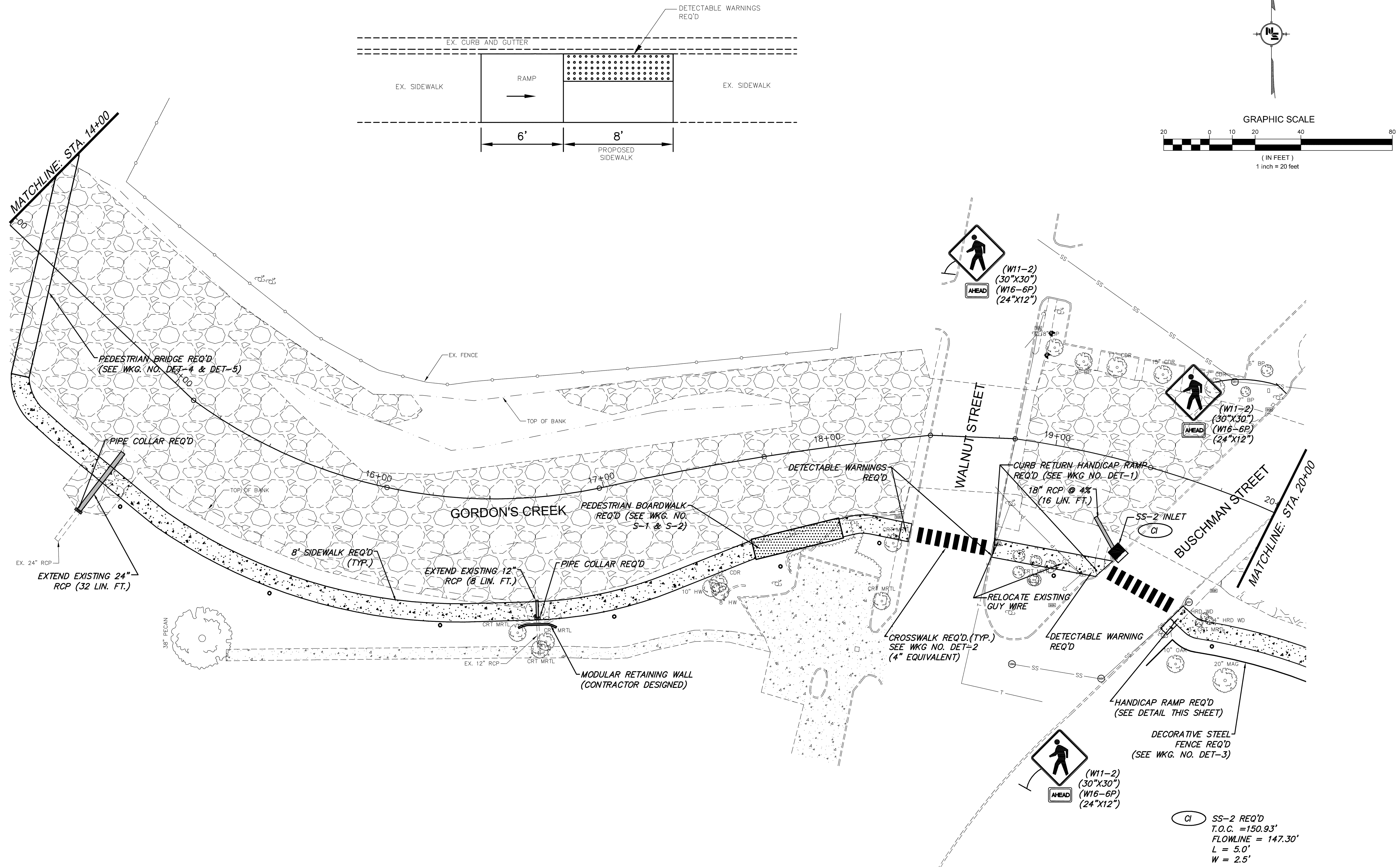
GORDON'S CREEK - DOWNTOWN DISTRICT

CITY OF HATTIESBURG
FORREST COUNTY, MS



GORDON'S CREEK
STA. 10+00 TO STA. 14+00

WORKING NUMBER:	DRAWING NUMBER:
PP-1	9



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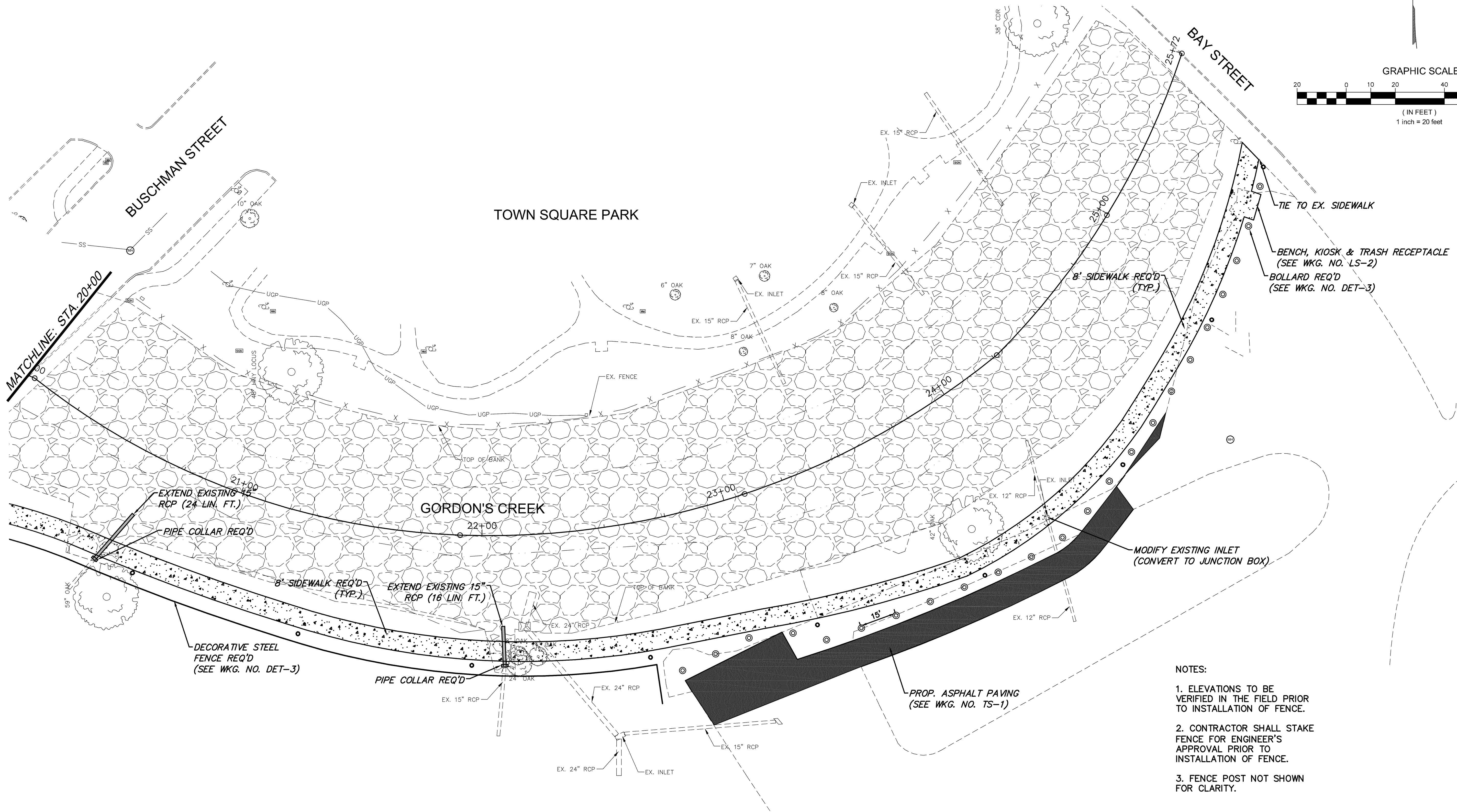
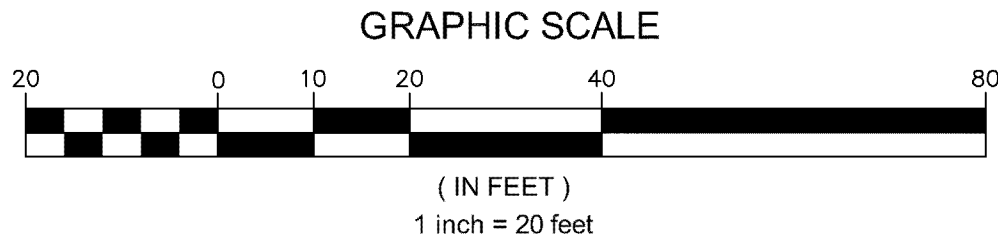
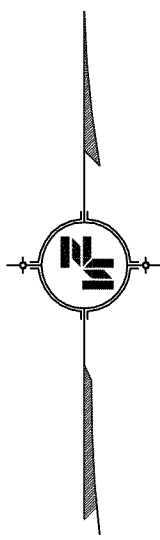
GORDON'S CREEK - DOWNTOWN DISTRICT

CITY OF HATTIESBURG
FORREST COUNTY, MS



GORDON'S CREEK
STA. 14+00 TO STA. 20+00

WORKING NUMBER:	DRAWING NUMBER:
PP-2	10



- NOTES:
1. ELEVATIONS TO BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF FENCE.
 2. CONTRACTOR SHALL STAKE FENCE FOR ENGINEER'S APPROVAL PRIOR TO INSTALLATION OF FENCE.
 3. FENCE POST NOT SHOWN FOR CLARITY.

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GORDON'S CREEK - DOWNTOWN DISTRICT

CITY OF HATTIESBURG
FORREST COUNTY, MS



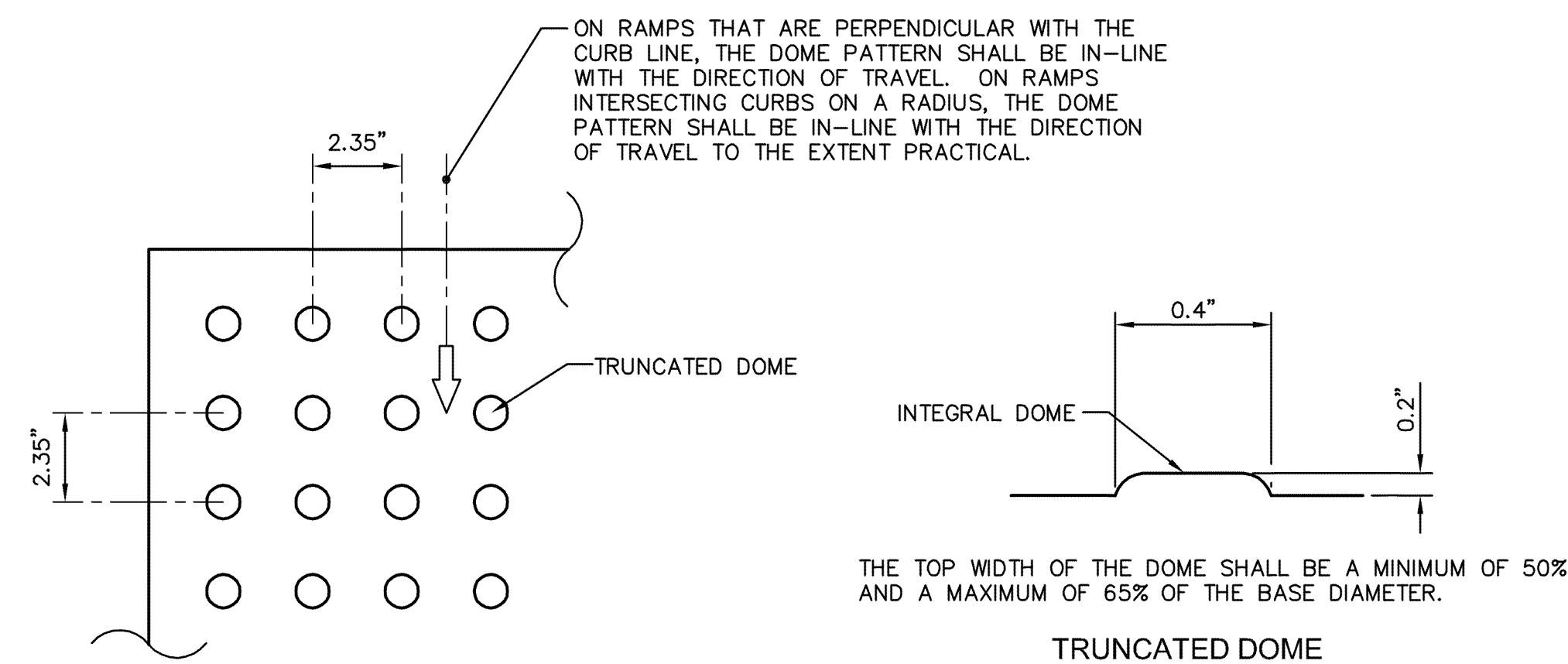
GORDON'S CREEK
STA. 20+00 TO STA. 25+72

WORKING NUMBER:	DRAWING NUMBER:
PP-3	11

VEGETATION SCHEDULE						
EROSION CONTROL ITEMS		SEASONAL APPLICATIONS—DATES & RATES				REQUIREMENTS
		SPRING & SUMMER		FALL & WINTER		
PAY ITEM NO.	ITEMS	RATES	DATES	RATES	DATES	
212—B001	STANDARD GROUND PREPARATION (SOD AREA)	PER SQ.YD.	MARCH 1 TO SEPTEMBER 1	PER SQ.YD.	SEPTEMBER 1 TO MARCH 1	GROUND PREPARATION REQUIRED ON AREAS TO RECEIVE SOLID SODDING OR PLANTINGS, AS APPLICABLE.
907—213—A001	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.
213—B003	COMBINATION FERTILIZER (8—24—24)	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.
216—B001	SOLID SODDING, CENTIPEDE	SQ.YD.	MARCH 1 TO DECEMBER 1	SQ.YD.	SEPTEMBER 1 TO MARCH 1	APPLY TO ALL DISTURBED AREAS
219—A001	WATERING	20 GALS/S.Y. (EST.)	MARCH 1 TO SEPTEMBER 1	20 GALS/S.Y. (EST.)	SEPTEMBER 1 TO MARCH 1	TO BE USED AS DIRECTED
220—A001	INSECT PEST CONTROL	PER ACRE	_____	PER ACRE	_____	SEE SECTION 220.

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 TESTS OR AS DIRECTED DURING THE GROWING SEASONS THE CONTRACT IS IN FORCE. GROUND PREPARATION WILL NOT BE REQUIRED FOR THE ADDITIONAL APPLICATIONS. NO EXTRA PAYMENT WILL BE MADE FOR ALL FERTILIZERS ACCEPTABLY APPLIED AS AN ADDITIONAL APPLICATION(S).

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	NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 11846.001					
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							VS-1	12		

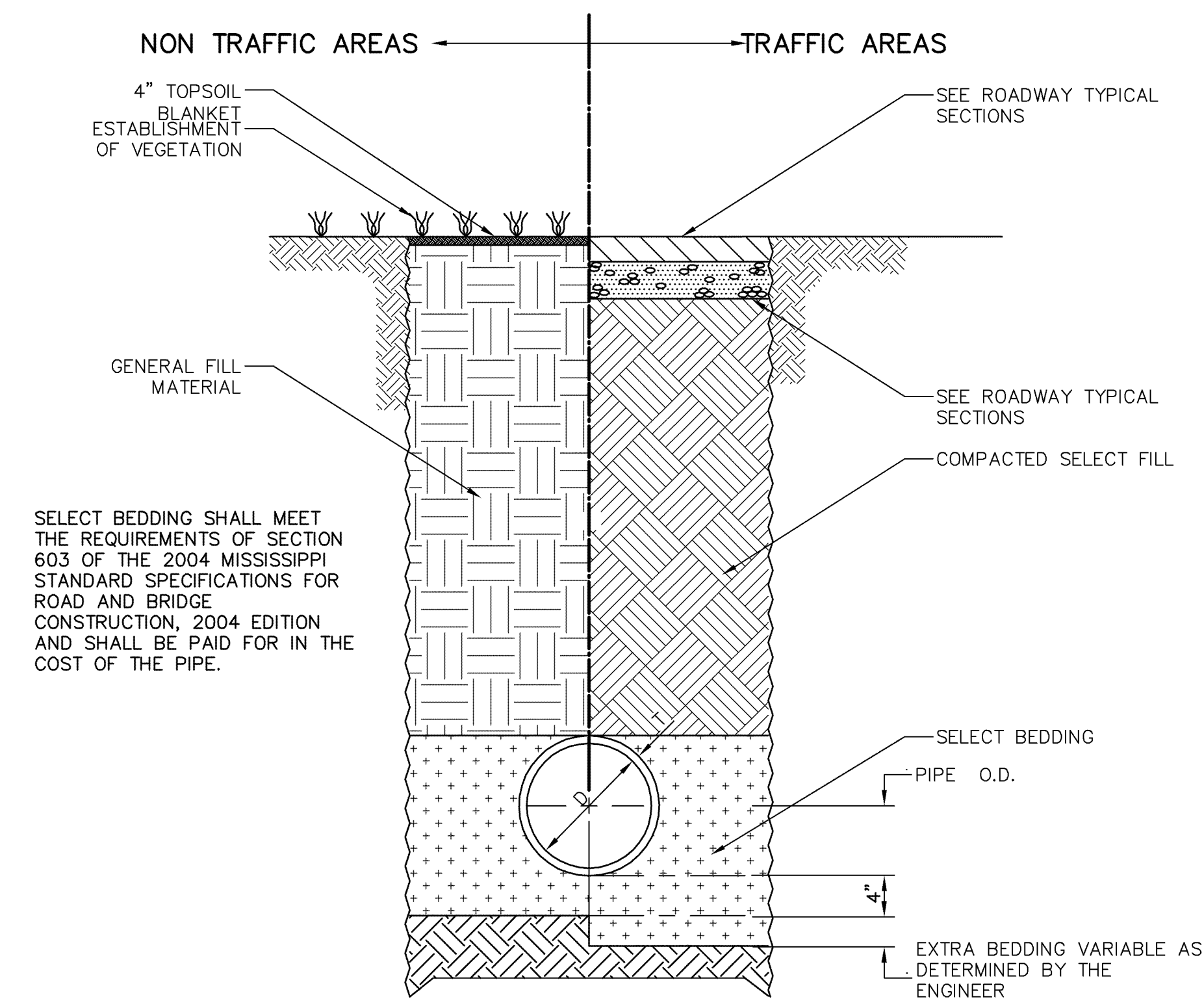


PLAN VIEW

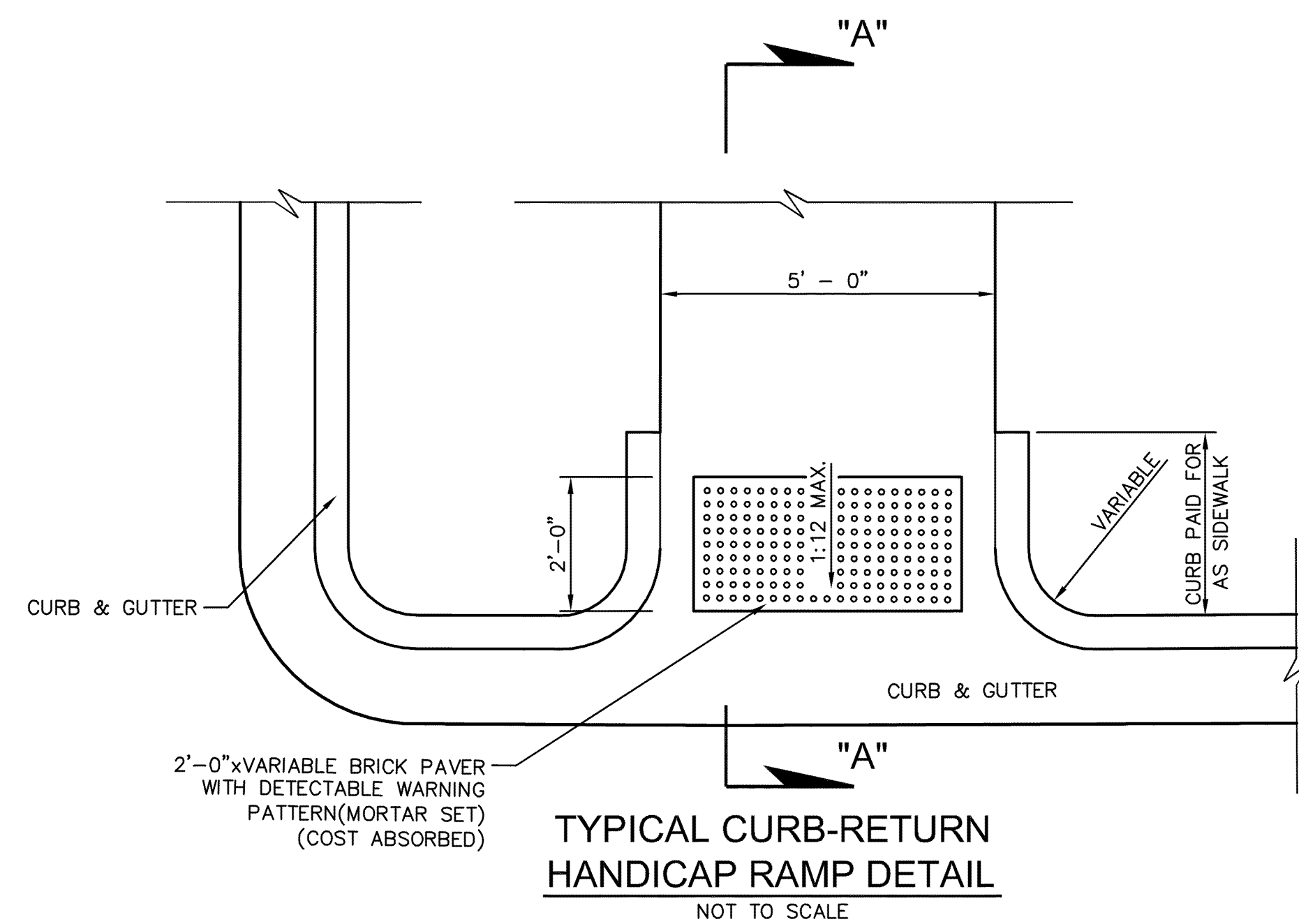
ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 2 FEET (24 INCHES).

CURB RAMP DETECTABLE WARNING DETAIL
N.T.S.

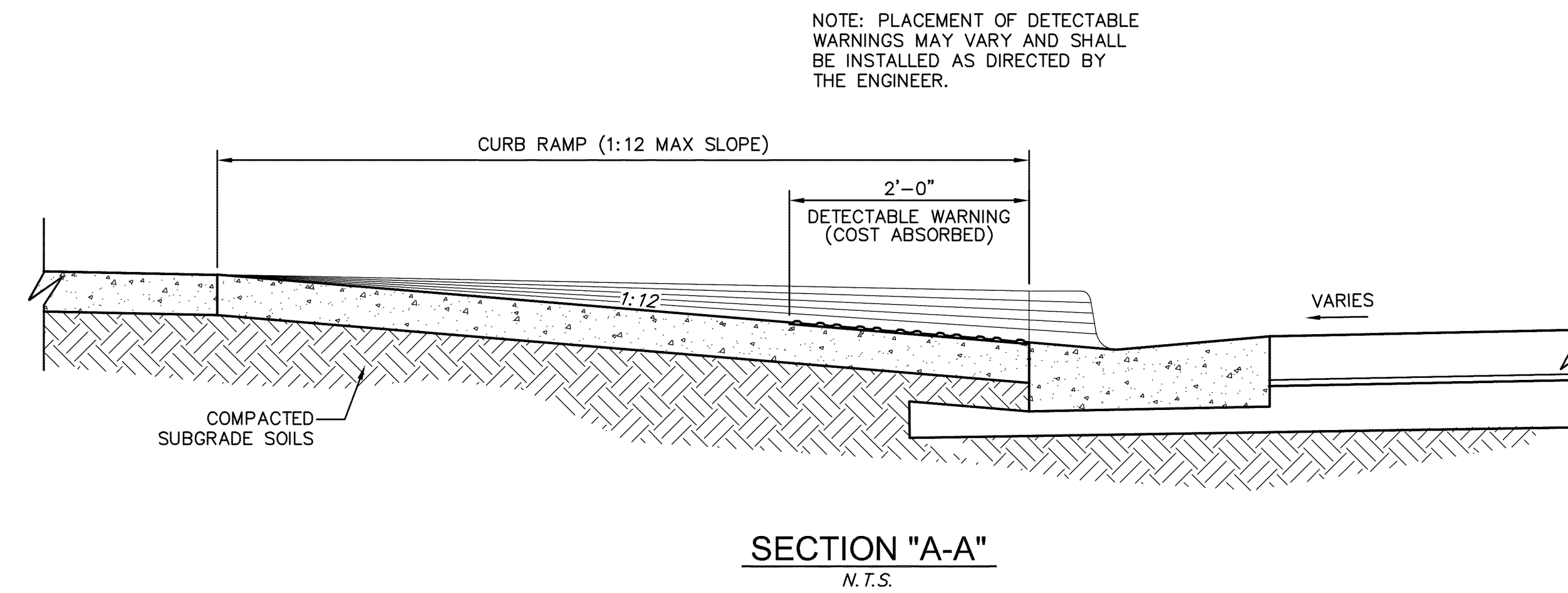
- NOTES:
1. LOCATION AND TYPE OF CURB RAMP SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED.
 2. THE CURB RAMP SHALL BE PAID AS SIDEWALK.
 3. ALL RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1
 4. DETECTABLE WARNINGS ARE REQ'D AT ALL STREET CROSSINGS.
 5. TRUNCATED DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINATE DIRECTION OF TRAVEL ON THE RAMP TO ALLOW WHEELS TO ROLL BETWEEN DOMES.



TYPICAL TRENCH DETAILS FOR PIPE
NOT TO SCALE

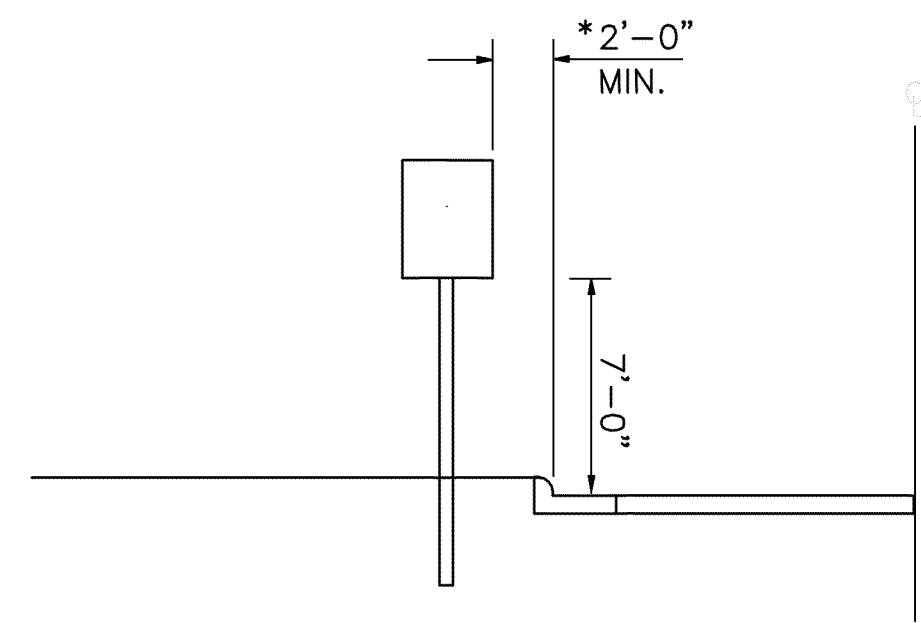


TYPICAL CURB-RETURN HANDICAP RAMP DETAIL
NOT TO SCALE

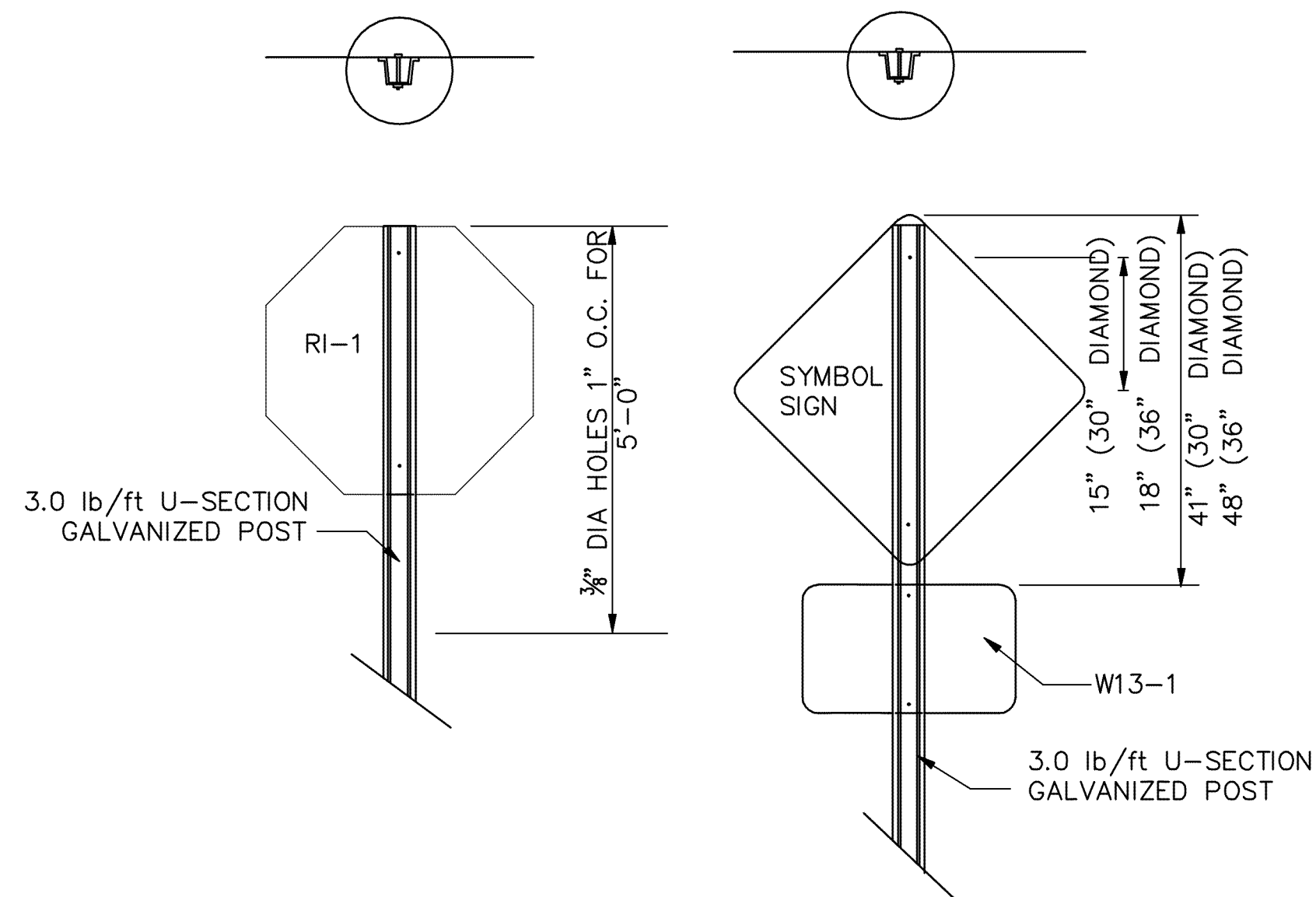


SECTION "A-A"
N.T.S.

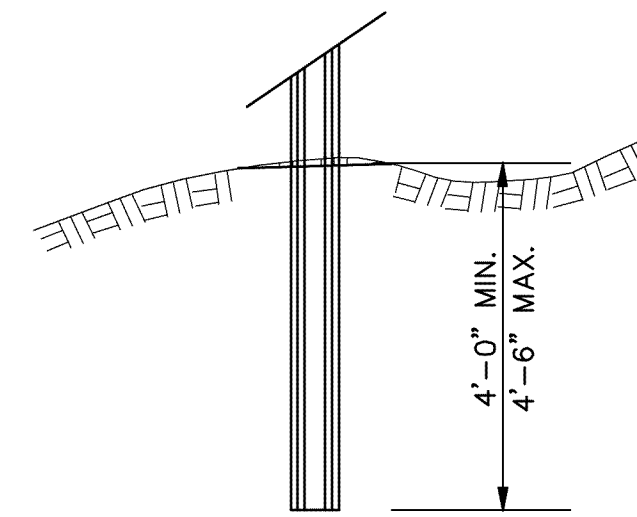
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					CHKD: DATE:			WORKING NUMBER:	DRAWING NUMBER:
					QA/QC: DATE:			DET-1	13



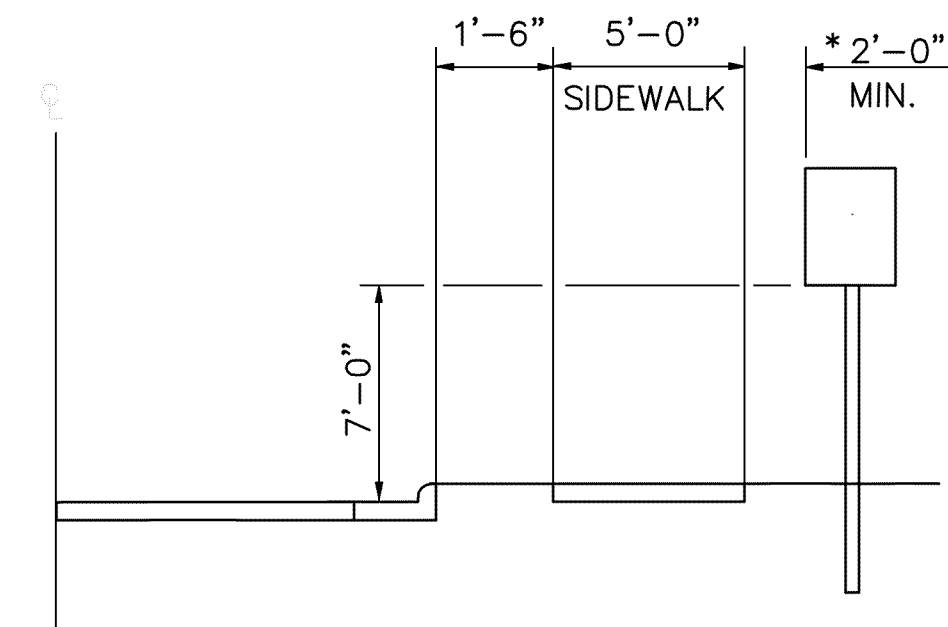
**TYPICAL INSTALLATION ALONG
ROADWAY WITH NO SIDEWALK**
NOT TO SCALE



**TYPICAL ASSEMBLY OF
"FLAT TOPPED" REGULATORY
OR WARNING SIGN MOUNTED ON
A SINGLE U-SECTION POST**

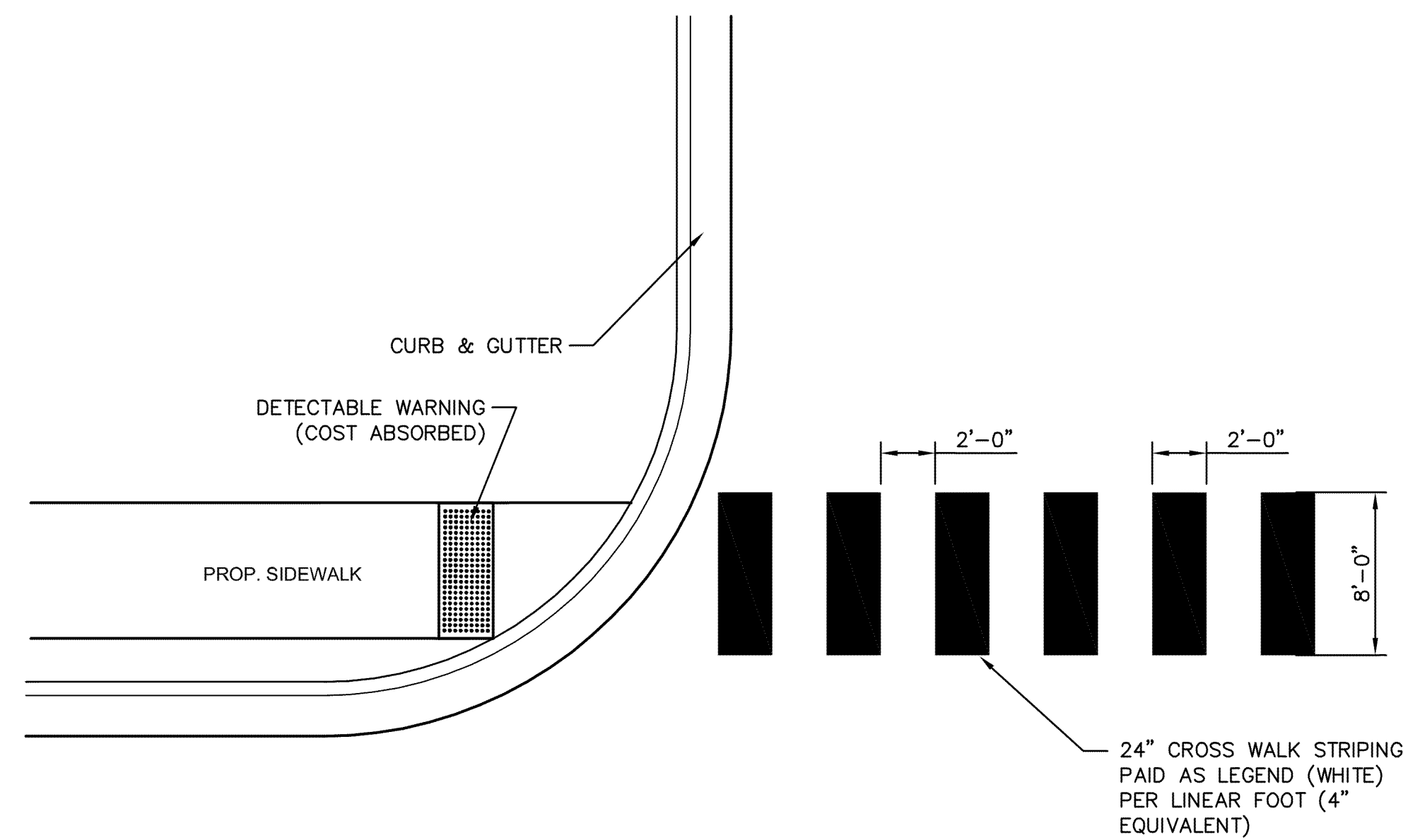


**FOOTING DETAIL FOR
U-SECTION POSTS**
NOT TO SCALE

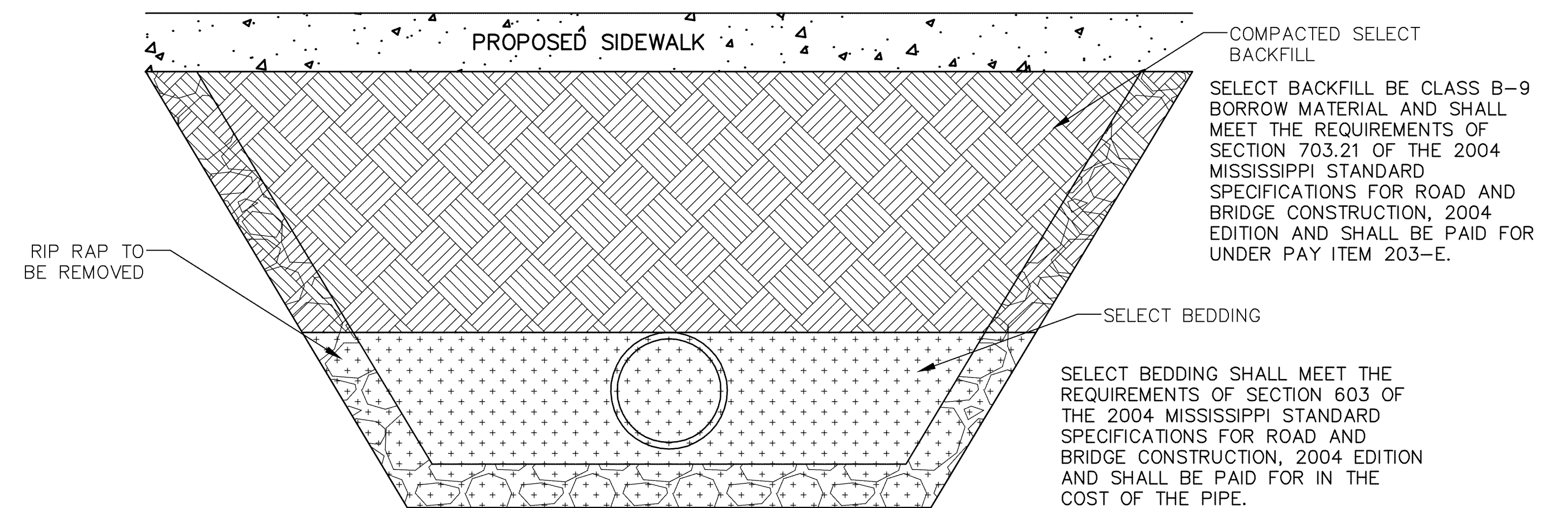


**TYPICAL INSTALLATION ALONG
ROADWAY WITH SIDEWALK**
NOT TO SCALE

NOTE: *THE 2'-0" MINIMUM OFFSET APPLIES ONLY TO STANDARD SIGNS MOUNTED ON U-SECTION POSTS. ALL STANDARD SIGNS MOUNTED ON PIPE WILL BE OFFSET A MINIMUM OF 4'-0".



TYPICAL CROSSWALK STRIPING
NOT TO SCALE



**TYPICAL TRENCH DETAILS FOR PIPE
EXTENSIONS IN RIPRAP CHANNELS**
NOT TO SCALE

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GORDON'S CREEK - DOWNTOWN DISTRICT

CITY OF HATTIESBURG
FORREST COUNTY, MS



MISCELLANEOUS DETAILS

WORKING NUMBER:

DET-2

DRAWING NUMBER:

14

DECORATIVE STEEL FENCE PANEL NOTES:

A. All items shall conform to the requirements of the following: ASTM A653/A653M, ASTM B117, ASTM D523, ASTM D714, ASTM D822, ASTM D1654, ASTM D2244, ASTM D2794, ASTM D3359, ASTM F2408

B. Pickets, rails and posts shall be pre-cut to specified lengths. Rails shall be pre-punched to accept pickets.

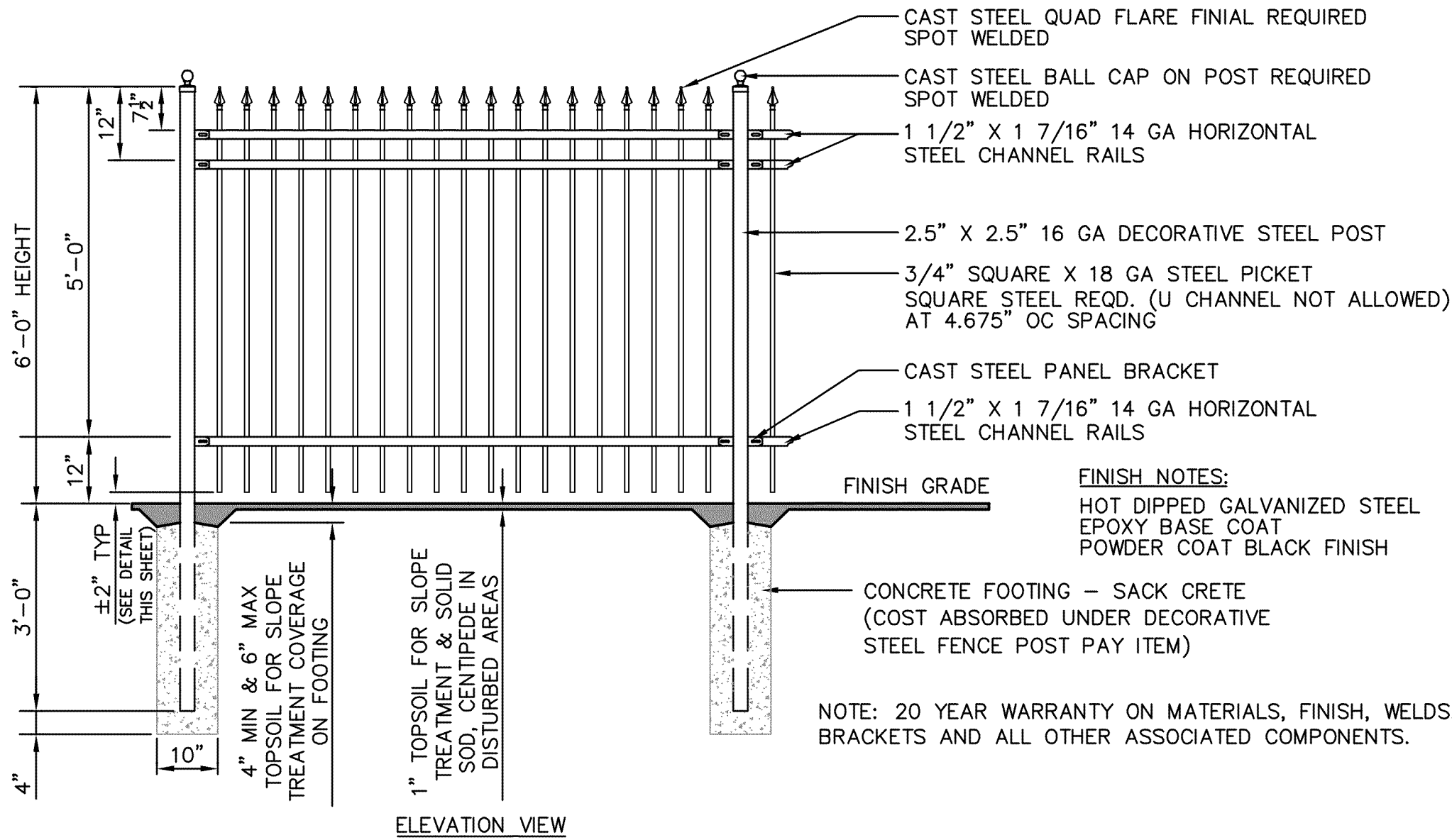
C. Pickets shall be inserted into the pre-punched holes in the rails and shall be aligned to standard spacing using a specially calibrated alignment fixture. The aligned pickets and rails shall be joined at each picket-to-rail intersection by a welding process that produces a virtually seamless, spatter-free good-neighbor appearance, equally attractive from either side of the panel.

D. THE MANUFACTURED PANELS AND POSTS SHALL BE SUBJECTED TO AN INLINE ELECTRODE POSITION COATING PROCESS CONSISTING OF A MULTI-STAGE PRETREATMENT/WASH (WITH ZINC PHOSPHATE), FOLLOWED BY A DUPLEX APPLICATION OF AN EPOXY PRIMER AND AN ACRYLIC TOPCOAT. THE MINIMUM CUMULATIVE COATING THICKNESS OF EPOXY AND ACRYLIC SHALL BE 2 MILS (0.058 MM). THE COLOR SHALL BE BLACK.

E. THE MANUFACTURED FENCE SYSTEM SHALL BE CAPABLE OF MEETING THE VERTICAL LOAD, HORIZONTAL LOAD, AND INFILL PERFORMANCE REQUIREMENTS FOR INDUSTRIAL WEIGHT FENCES UNDER ASTM F2408.

F. FENCE PANELS SHALL BE ATTACHED TO POSTS WITH BRACKETS SUPPLIED BY THE MANUFACTURER. POSTS SHALL BE SET IN CONCRETE FOOTERS HAVING A MINIMUM DEPTH OF 36" (NOTE: IN SOME CASES, LOCAL RESTRICTIONS RELATED TO UNDERGROUND UTILITIES MAY REQUIRE A MORE SHALLOW DEPTH). POSTS SETTING BY OTHER METHODS SUCH AS PLATED POSTS OR GROUTED CORE-DRILLED FOOTERS ARE PERMISSIBLE ONLY IF SHOWN BY ENGINEERING ANALYSIS TO BE SUFFICIENT IN STRENGTH FOR THE INTENDED APPLICATION.

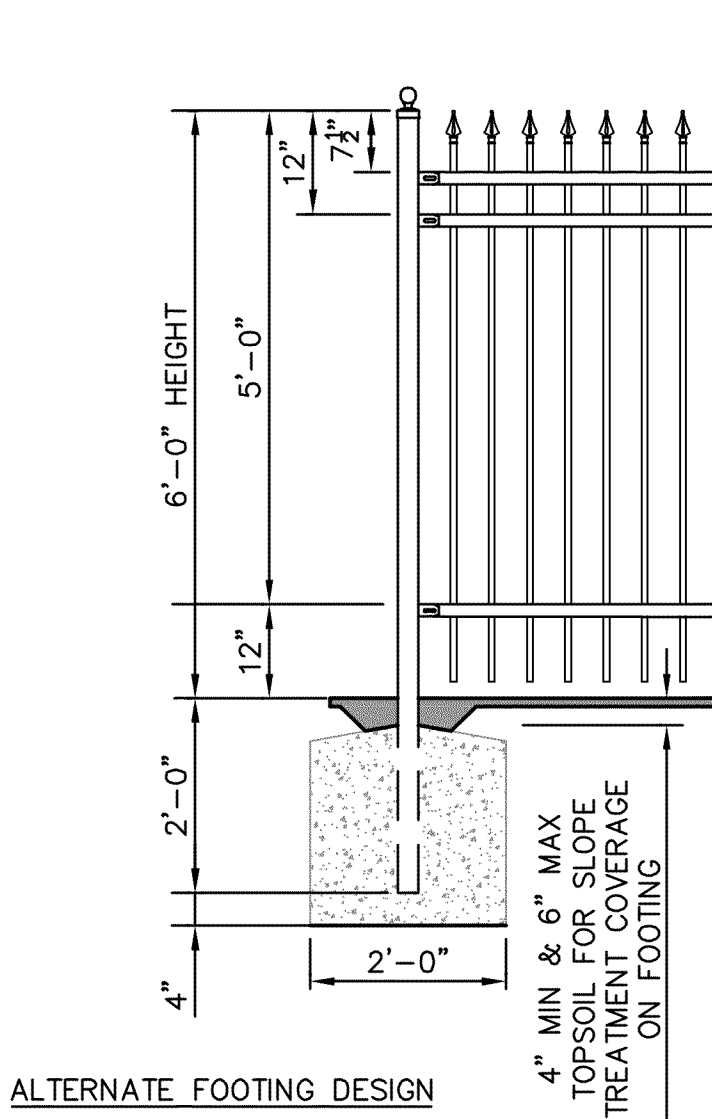
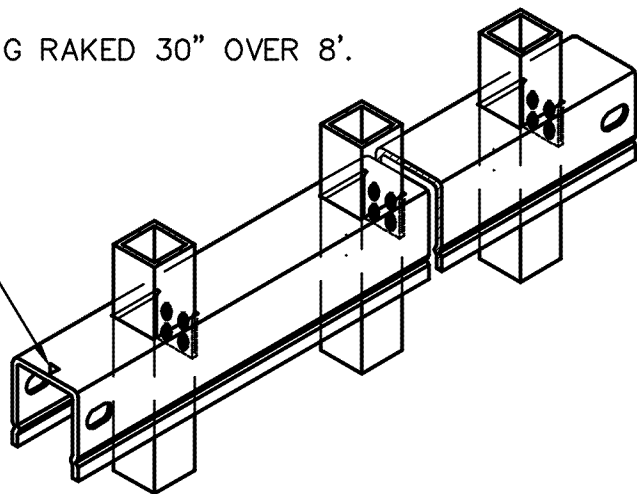
G. WHEN CUTTING/DRILLING RAILS OR POSTS ADHERE TO THE FOLLOWING STEPS TO SEAL THE EXPOSED STEEL SURFACES; 1) REMOVE ALL METAL SHAVINGS FROM CUT AREA. 2) APPLY ZINC-RICH PRIMER TO THOROUGHLY COVER CUT EDGE AND/OR DRILLED HOLE; LET DRY. 3) APPLY 2 COATS OF CUSTOM FINISH PAINT MATCHING FENCE COLOR. FAILURE TO SEAL EXPOSED SURFACES PER STEPS 1-3 ABOVE WILL NEGATE WARRANTY. SPRAY CANS OR PAINT PENS SHALL BE SUPPLIED BY THE MANUFACTURER AND SHALL BE USED TO PRIME AND FINISH EXPOSED SURFACES; IT IS RECOMMENDED THAT PAINT PENS BE USED TO PREVENT OVERSPRAY.



DECORATIVE STEEL FENCE PANEL DETAIL
NOT TO SCALE

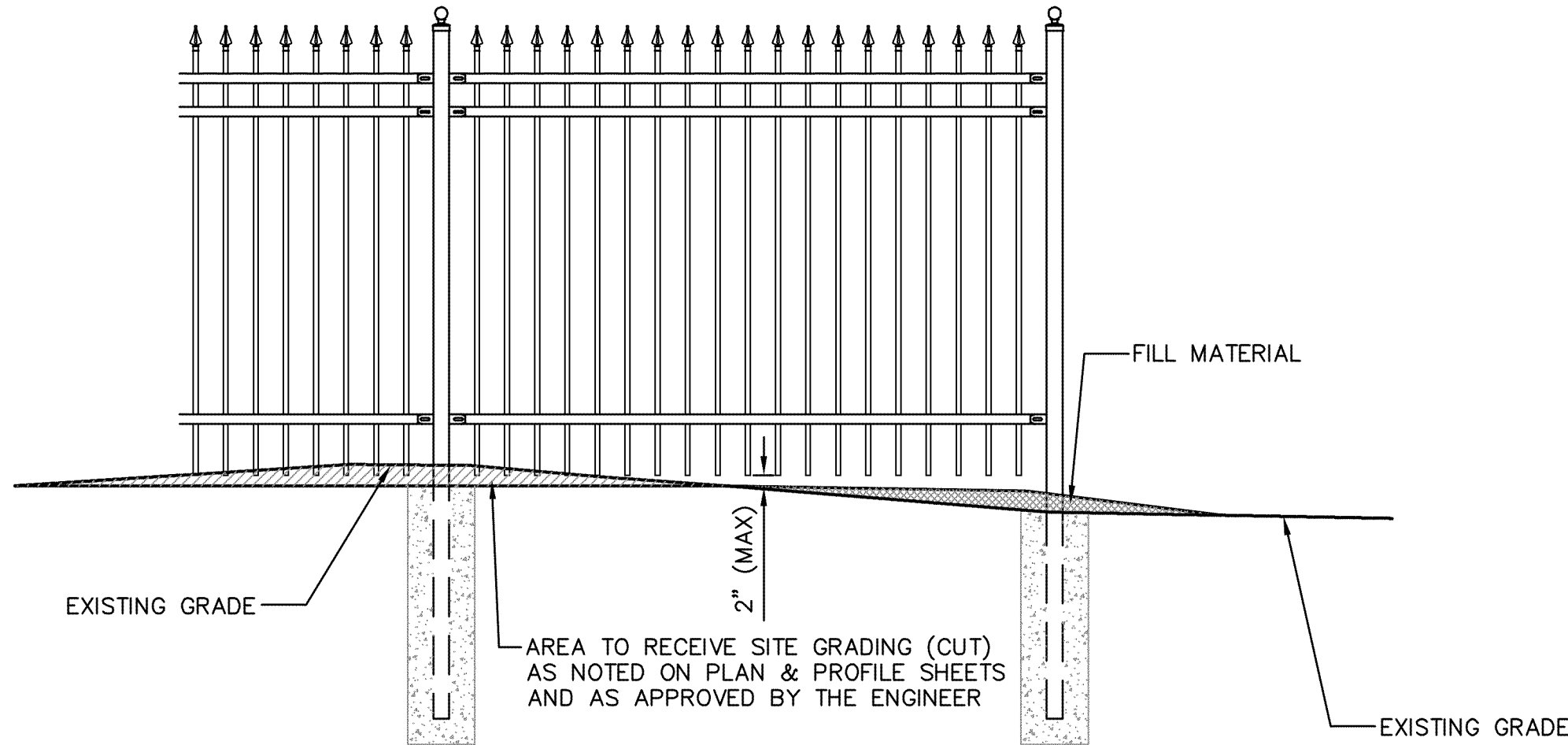
NOTE:
FENCE SHALL BE CAPABLE OF BEING RAKED 30" OVER 8'.

RAKING DIRECTIONAL ARROW



ALTERNATE FOOTING DESIGN

NOTE:
THE ALTERNATE FOOTING DESIGN IS REQUIRED WHEN EXISTING UNDERGROUND UTILITIES ARE IN CONFLICT WITH THE TYPICAL FOOTING DESIGN.



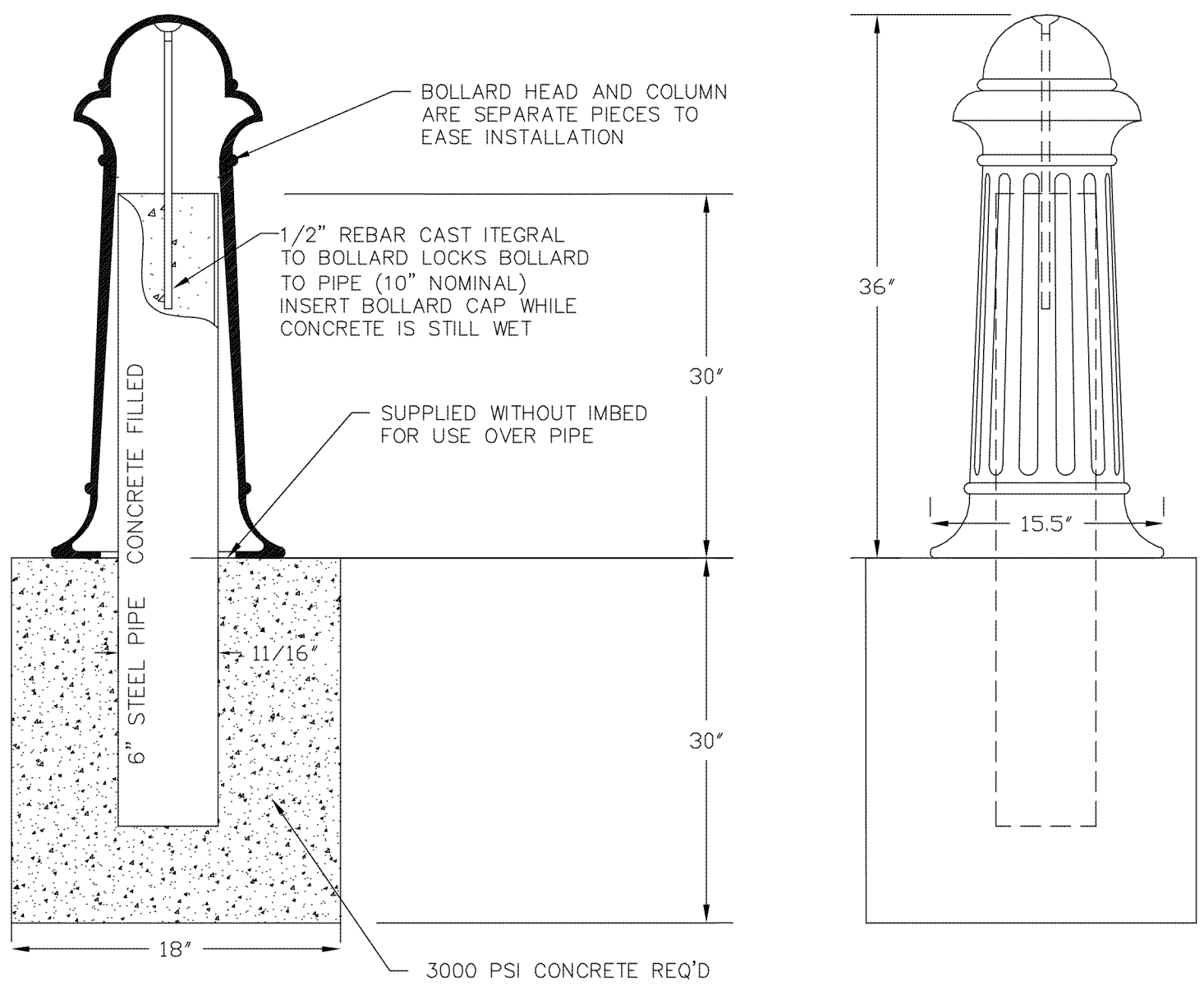
FENCE AND FINISH GRADE NOTES:

1. FENCE PANELS SHALL BE CONTINUOUS RUN OF THE TWO TOP RAILS.

2. SITE GRADING (CUT AND FILL) AND TOPSOIL, CONTRACTOR FURNISHED SHALL BE USED UNDER THE DIRECTION OF THE ENGINEER TO ACHIEVE A FINISHED GRADE THAT CREATES A SUITABLE VOID BETWEEN THE BOTTOM OF THE FENCE PICKETS AND TOP OF SOLID SOD THAT DOES NOT EXCEED 2". PICKETS SHALL NOT BE ALLOWED TO BE BURIED BELOW FINISHED GRADE MORE THAN 2".

ELEVATION VIEW

AS NOTED ON PLAN & PROFILE SHEETS
AND AS APPROVED BY THE ENGINEER



M9023-2C BOLLARD SECTION VIEW
*INCLUDES PROVISION FOR CHAIN

BOLLARD DETAILS

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				DRWN: AAM	DATE: 01/2014
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GORDON'S CREEK - DOWNTOWN DISTRICT

CITY OF HATTIESBURG
HATTIESBURG , MISSISSIPPI



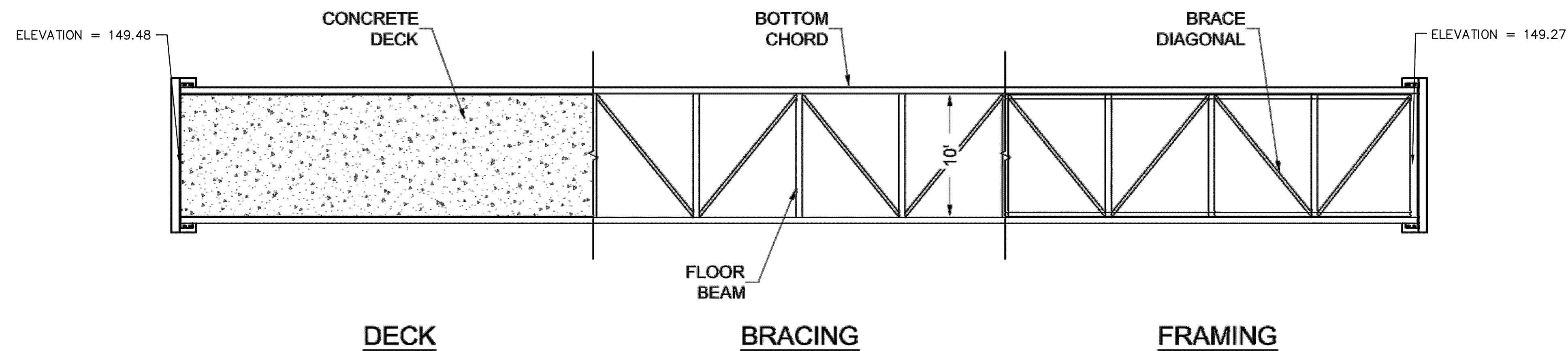
MISCELLANEOUS DETAILS

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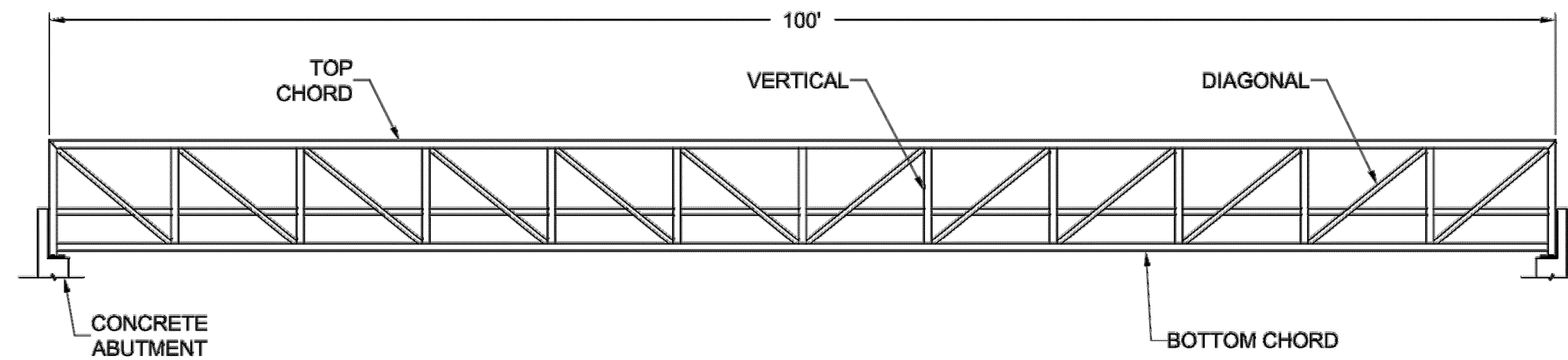
DET-3

DRAWING NUMBER:

15



BRIDGE PLAN



BRIDGE ELEVATION

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GORDON'S CREEK - DOWNTOWN DISTRICT

CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI



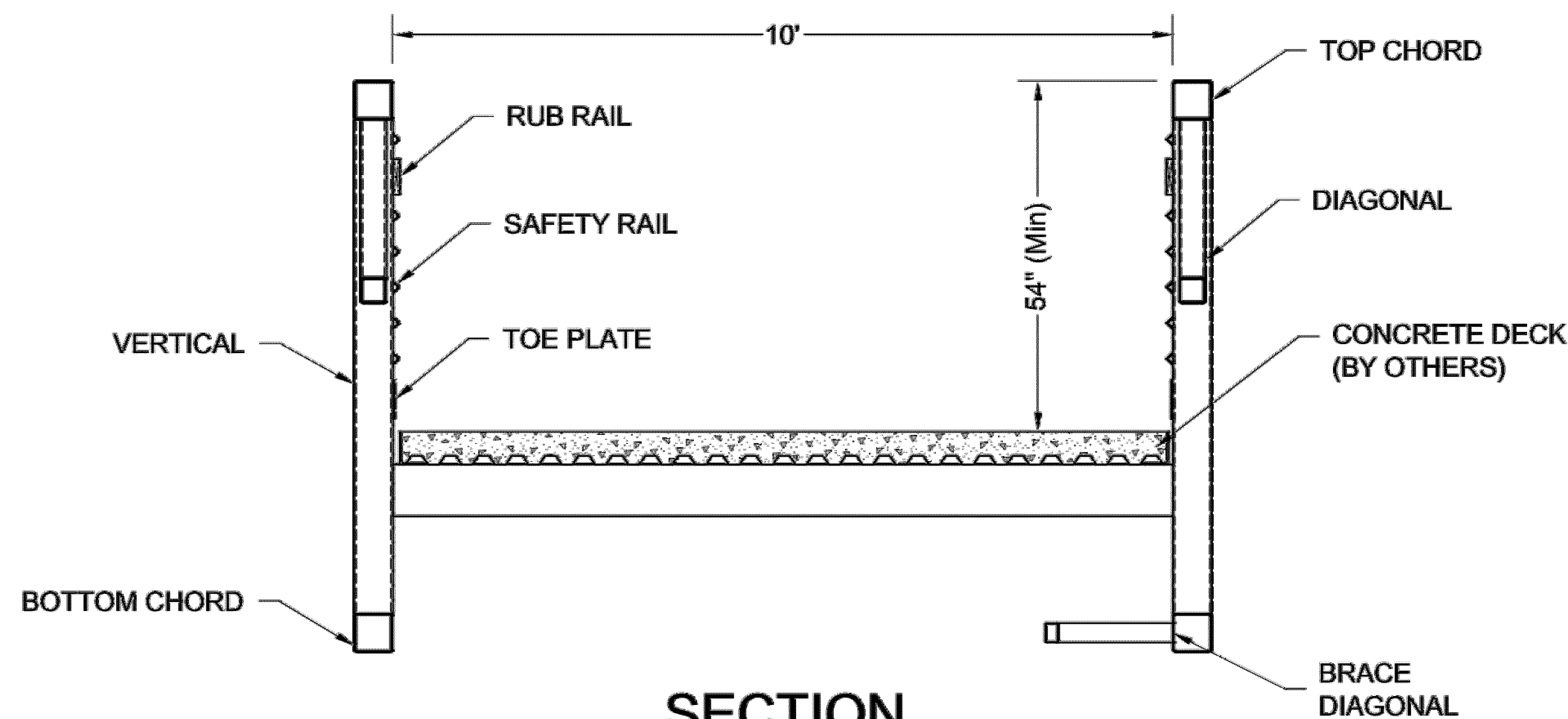
PEDESTRIAN BRIDGE DETAILS

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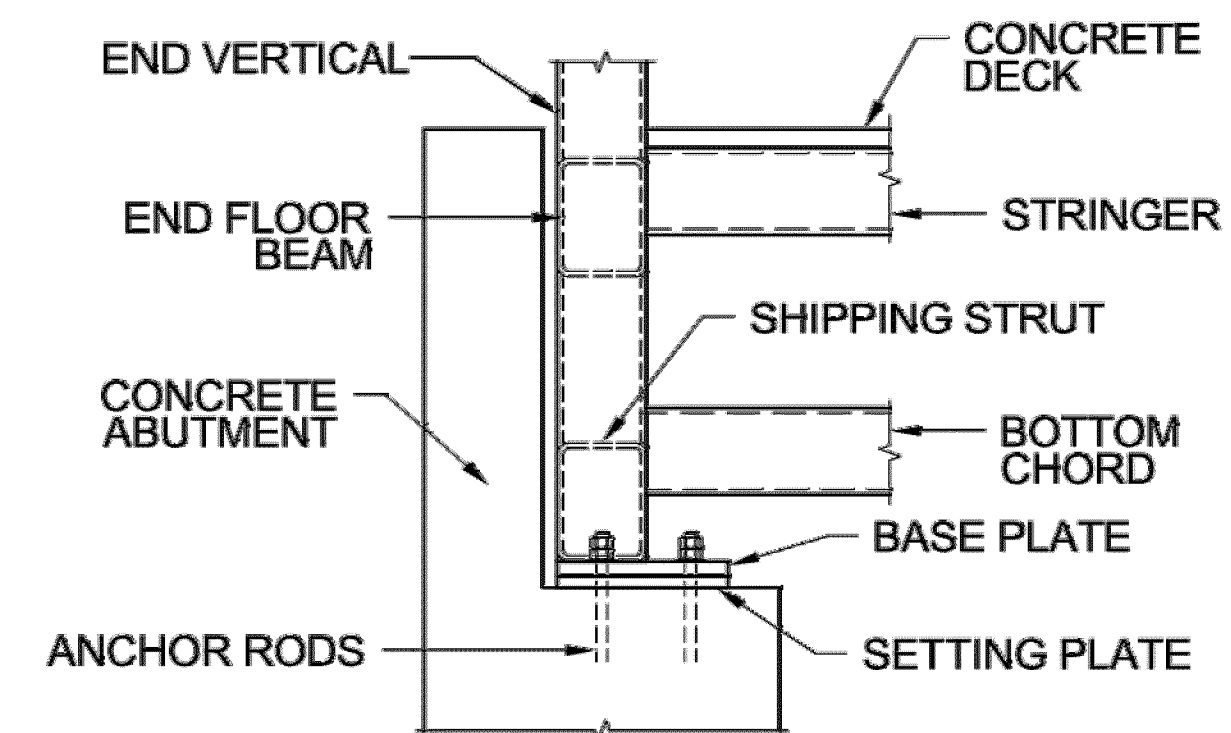
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DRAWING NUMBER:

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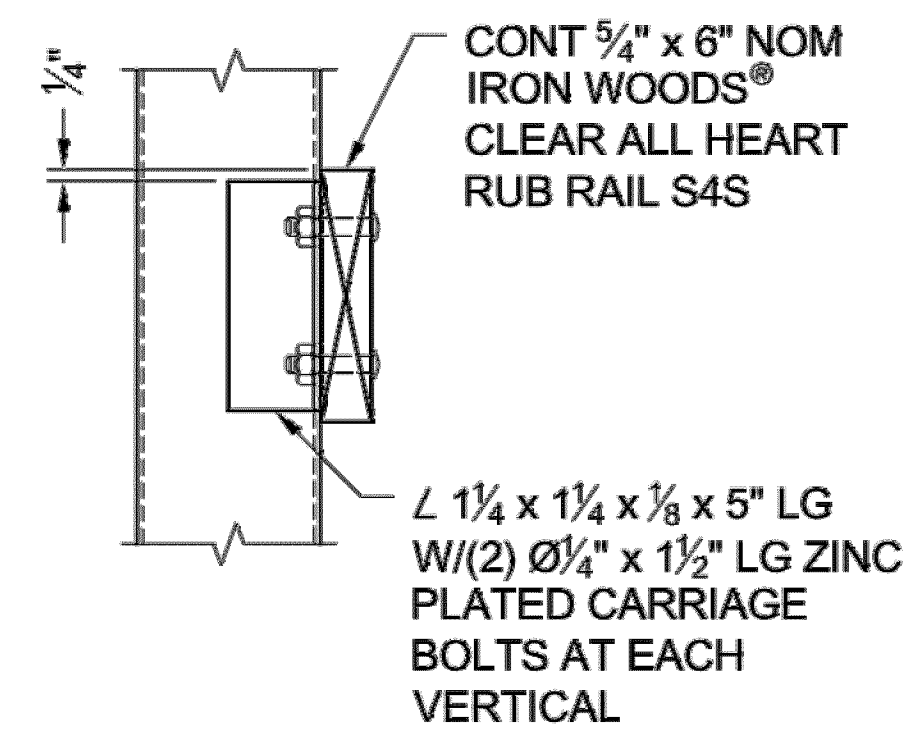


SECTION

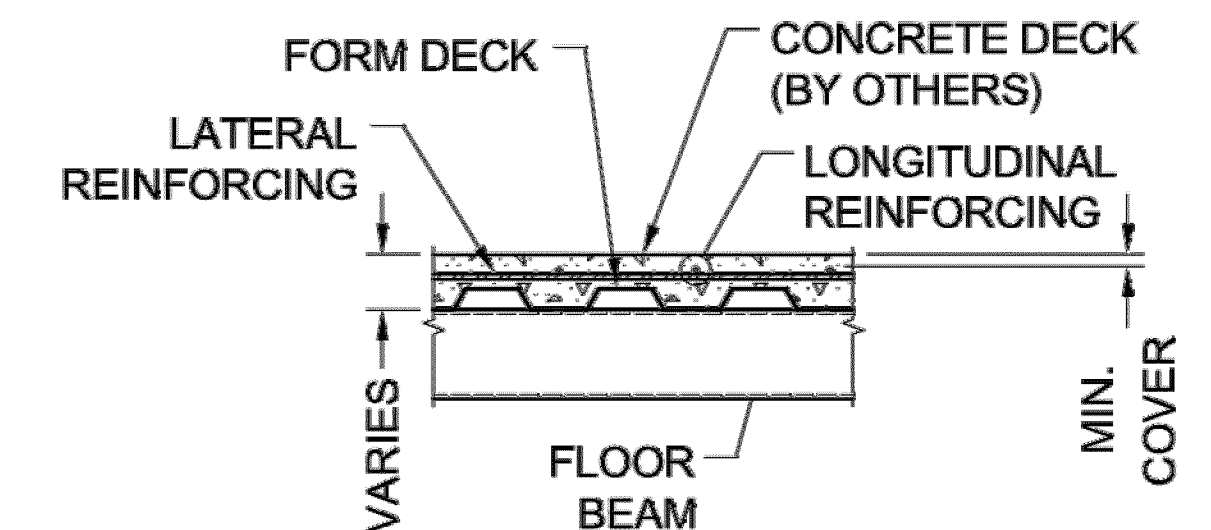


BEARING SIDE VIEW

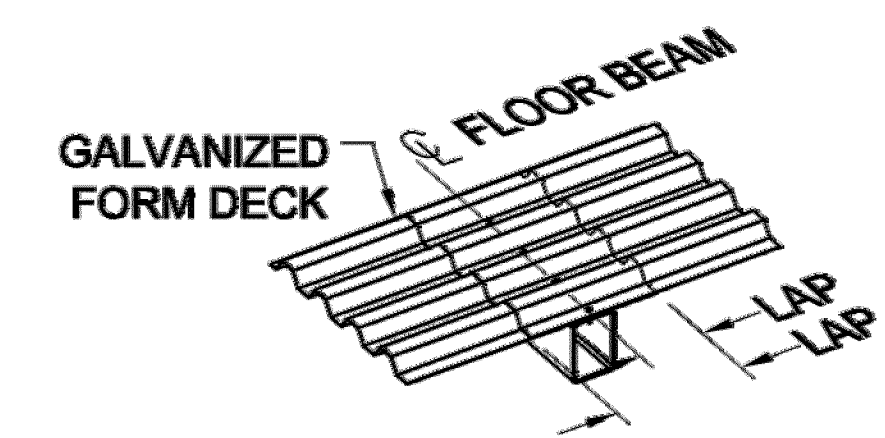
INFORMATION PROVIDED FOR REPRESENTATION ONLY.
ACTUAL BEARING DIAGRAMS TO BE BASED ON FINAL DESIGN.



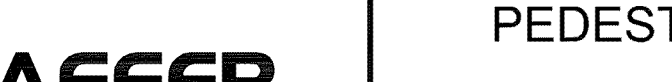
RUB RAIL DETAIL

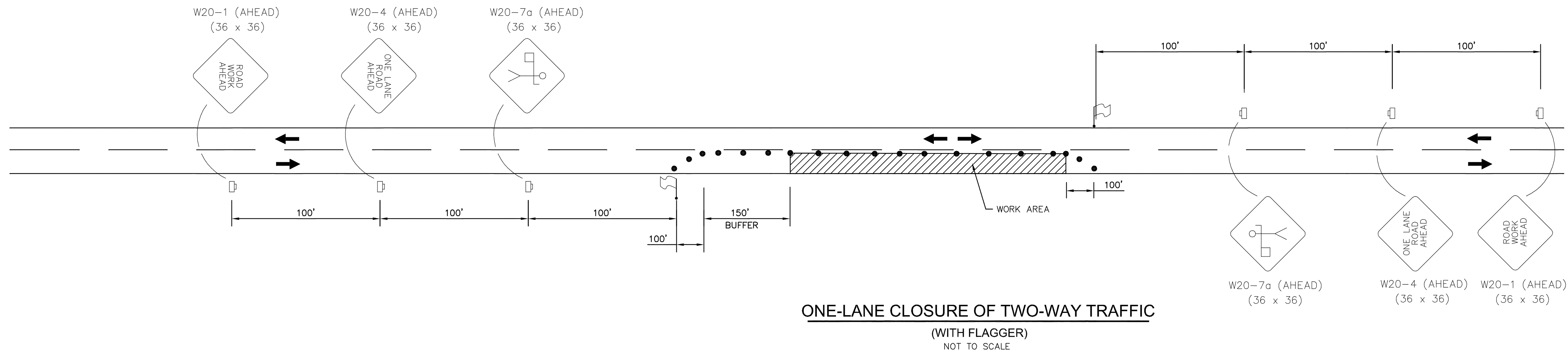


CONCRETE DECK REINFORCING

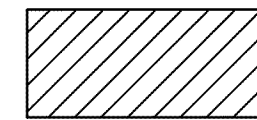


FORM DECK DETAIL

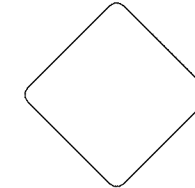
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					DSGN: GPC			DATE: 01/2014		
					DRWN: AAM			DATE: 01/2014		
					CHKD:			DATE:		
					QA/QC:			DATE:		



SYMBOLS



WORK AREA



TRAFFIC CONTROL SIGN



WORK ZONE SIGN



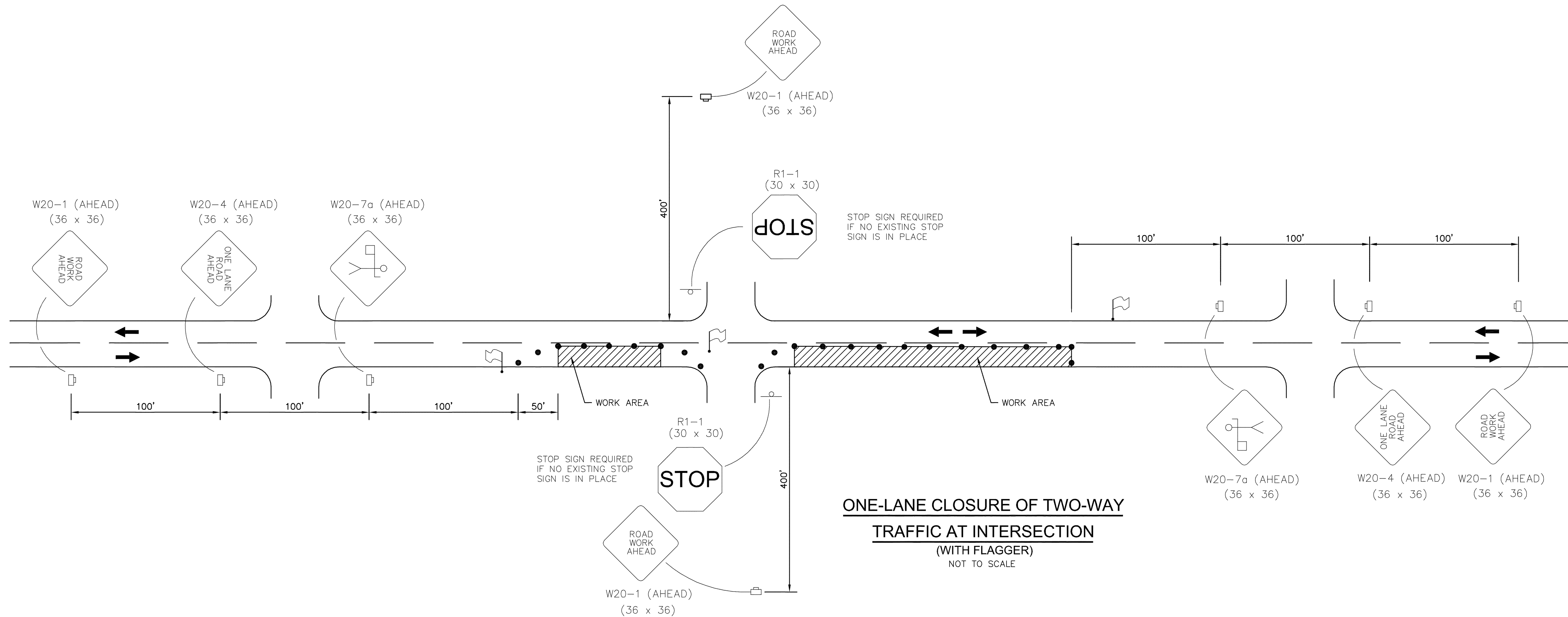
STOP SIGN



TRAFFIC CONE OR REFLECTIVE PLASTIC DRUM



LOCATION OF FLAGGER



GENERAL NOTES:

1. CONTRACTOR SHALL SET UP ALL TRAFFIC CONTROL DEVICES AND SIGNS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORK.
2. WORK OPERATIONS SHALL BE CONFINED TO ONE TRAVEL LANE, LEAVING THE OPPOSING TRAVEL LANE OPEN TO TRAFFIC.
3. ALL VEHICLES, EQUIPMENT, WORKERS (EXCEPT FLAGGERS) AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE ROADWAY.
4. FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
5. THE CONTRACTOR SHALL PROVIDE ACCESS (INGRESS AND EGRESS) TO LOCAL BUSINESSES AND HOMEOWNERS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO NOTIFY BUSINESSES AND HOMEOWNERS 48 HOURS IN ADVANCE OF ACCESS RESTRICTIONS.
6. CHANNELIZING DEVICES SHALL BE A MINIMUM HEIGHT OF 24".
7. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 36" X 36".
8. SPACING OF CHANNELIZING DEVICES ALONG LANE LINE AND WORK ZONE TO BE EQUAL TO THE POSTED SPEED (M.P.H.) X 1 IN FEET. (EXAMPLE 35 M.P.H. X 1 = 35')
9. 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.
10. WHEN THE WORK ZONE IS STATIONARY, THE W20-7a SIGN SHOULD BE PLACED 200 FEET IN ADVANCE OF THE FLAGGER AND SHOULD INDICATE 200' AS THE DISTANCE.
11. ARROWS DENOTE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS.
12. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT.
13. DISTANCES BETWEEN SIGNS ARE APPROXIMATE. SIGN SPACING SHOULD BE ADJUSTED FOR CURVES, HILLS, INTERSECTIONS, DRIVEWAYS, ETC., TO IMPROVE VISIBILITY.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THROUGH AND LOCAL TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).

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GORDON'S CREEK - DOWNTOWN DISTRICT

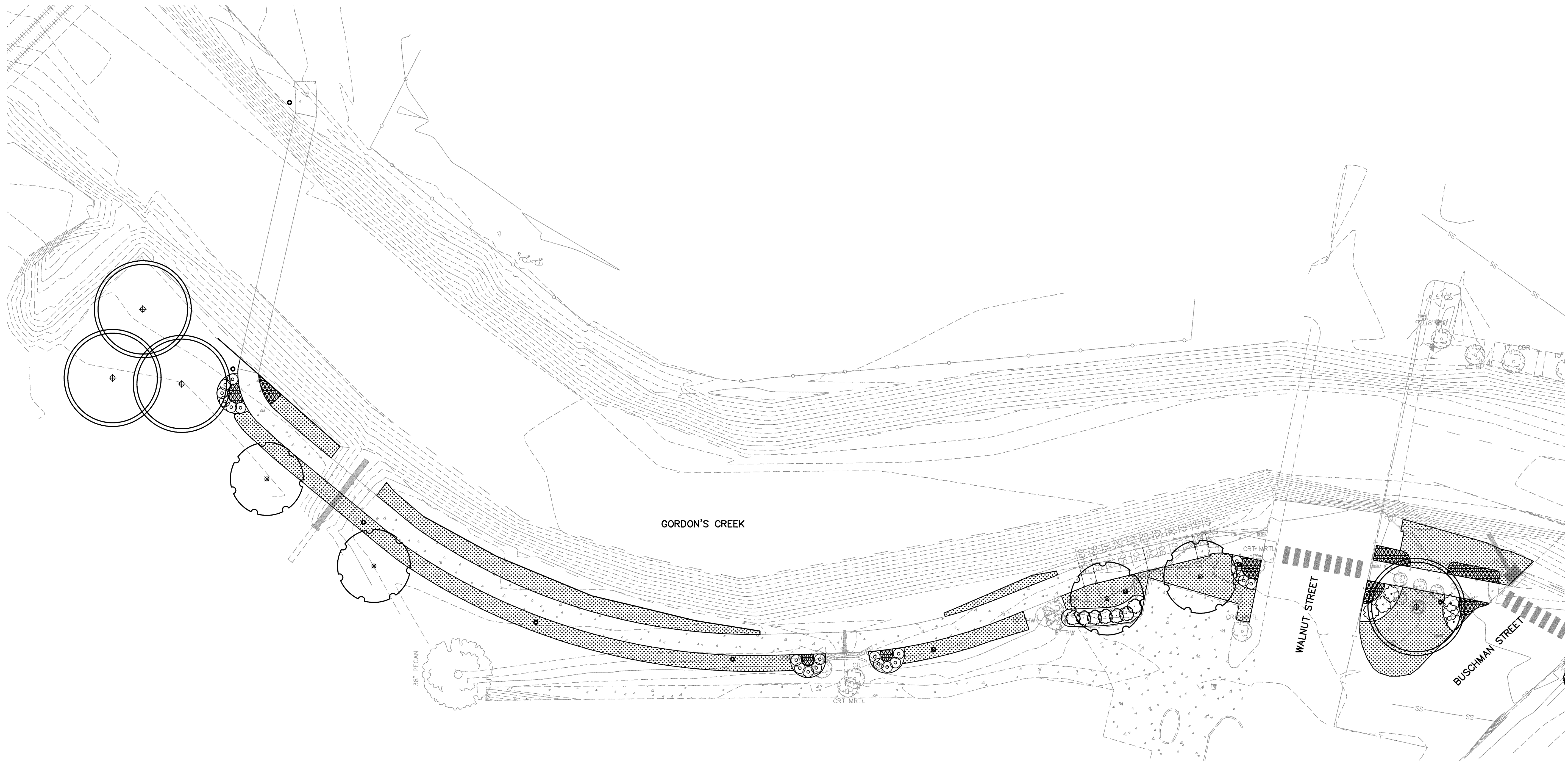
CITY OF HATTIESBURG
FORREST COUNTY, MS



TRAFFIC CONTROL PLAN
ONE LANE CLOSURE

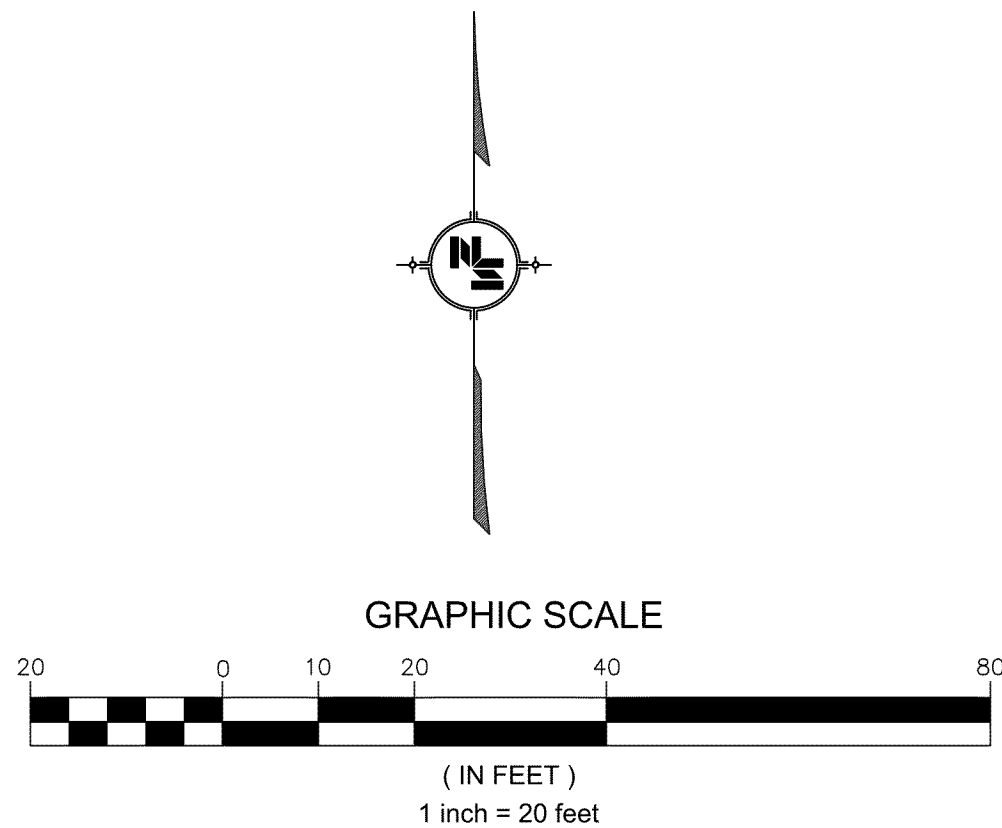
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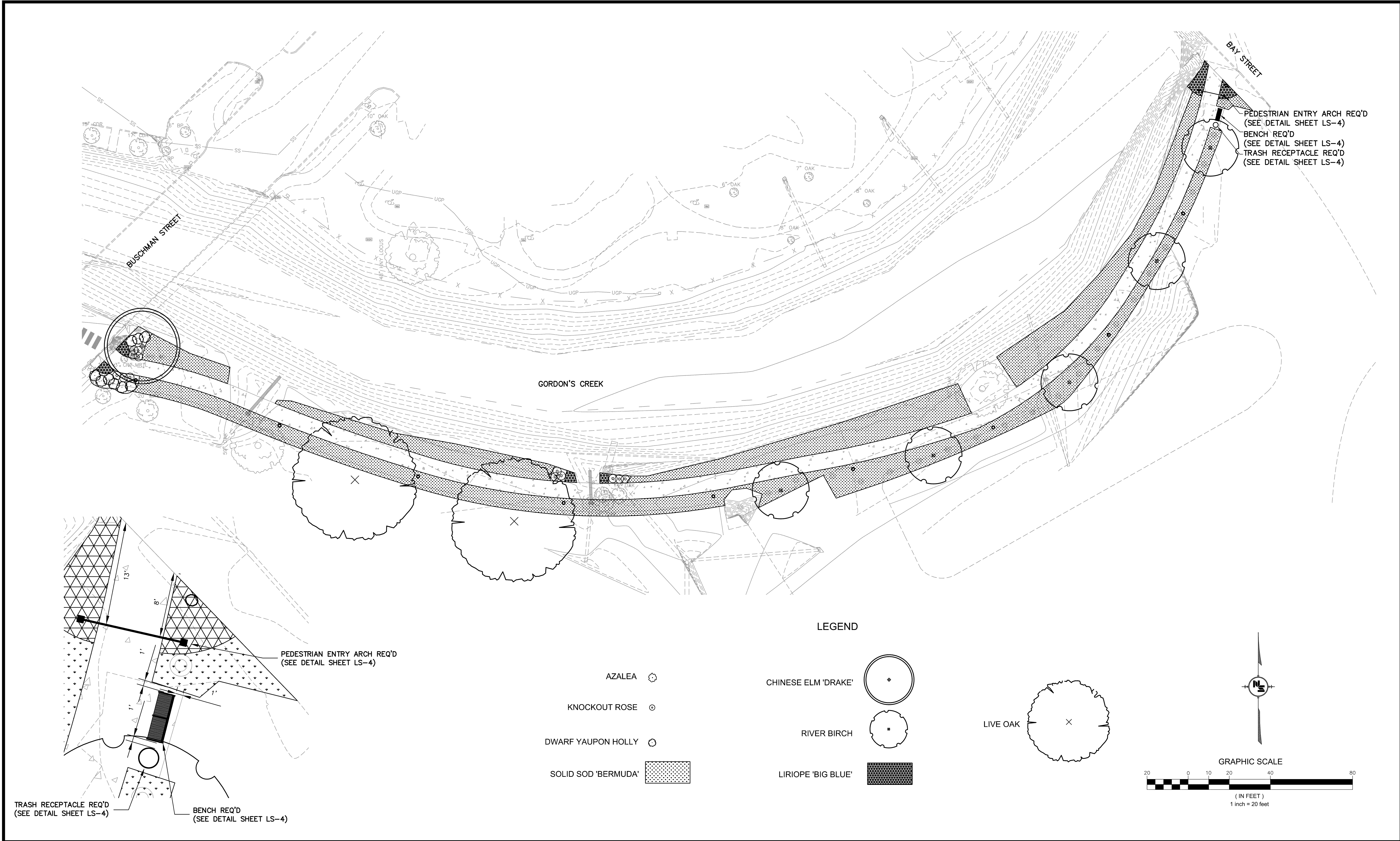


LEGEND

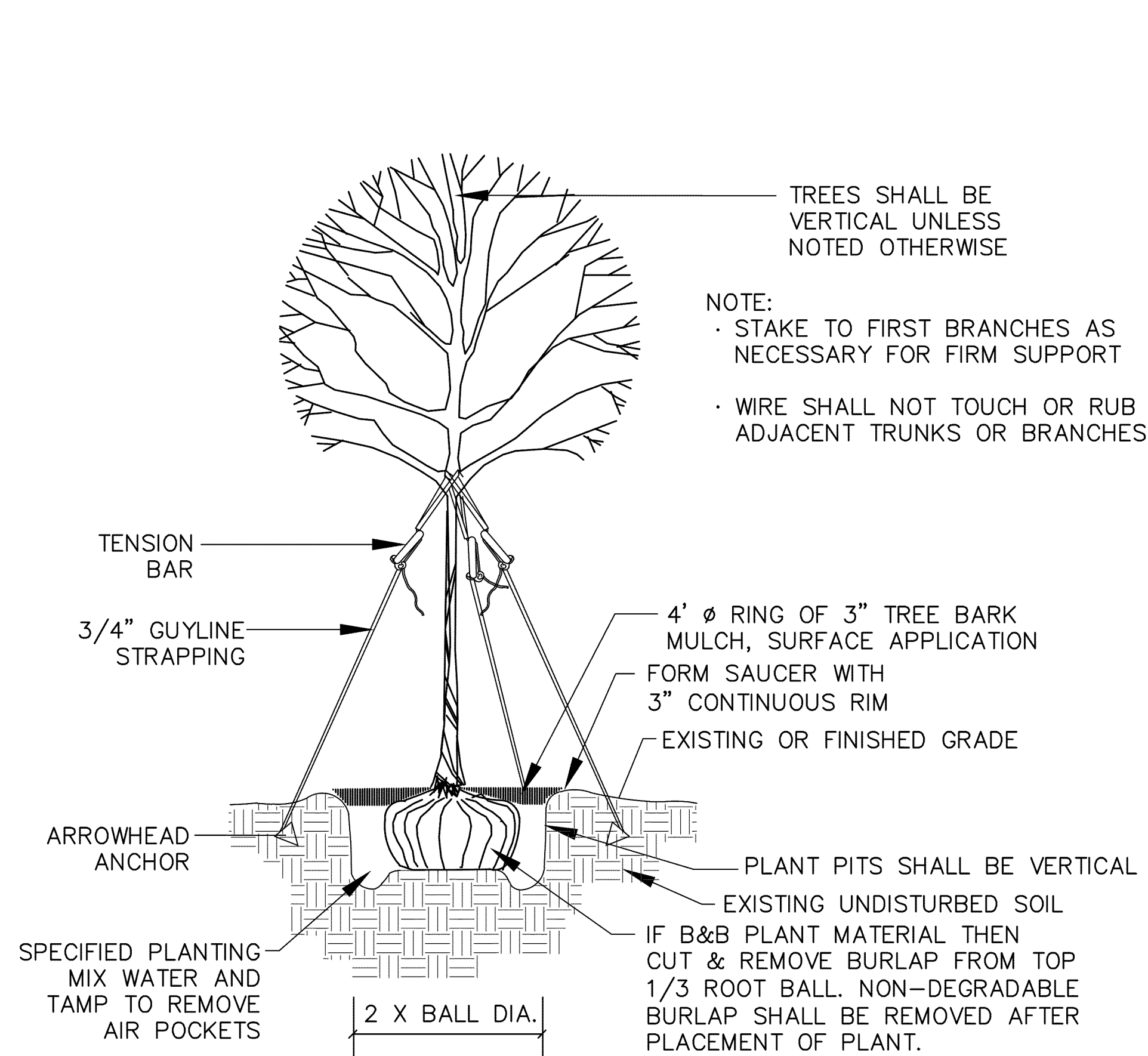
AZALEA		CHINESE ELM 'DRAKE'		
KNOCKOUT ROSE		RIVER BIRCH		
DWARF YAUPON HOLLY		LIRIOPE 'BIG BLUE'		
SOLID SOD 'BERMUDA'				



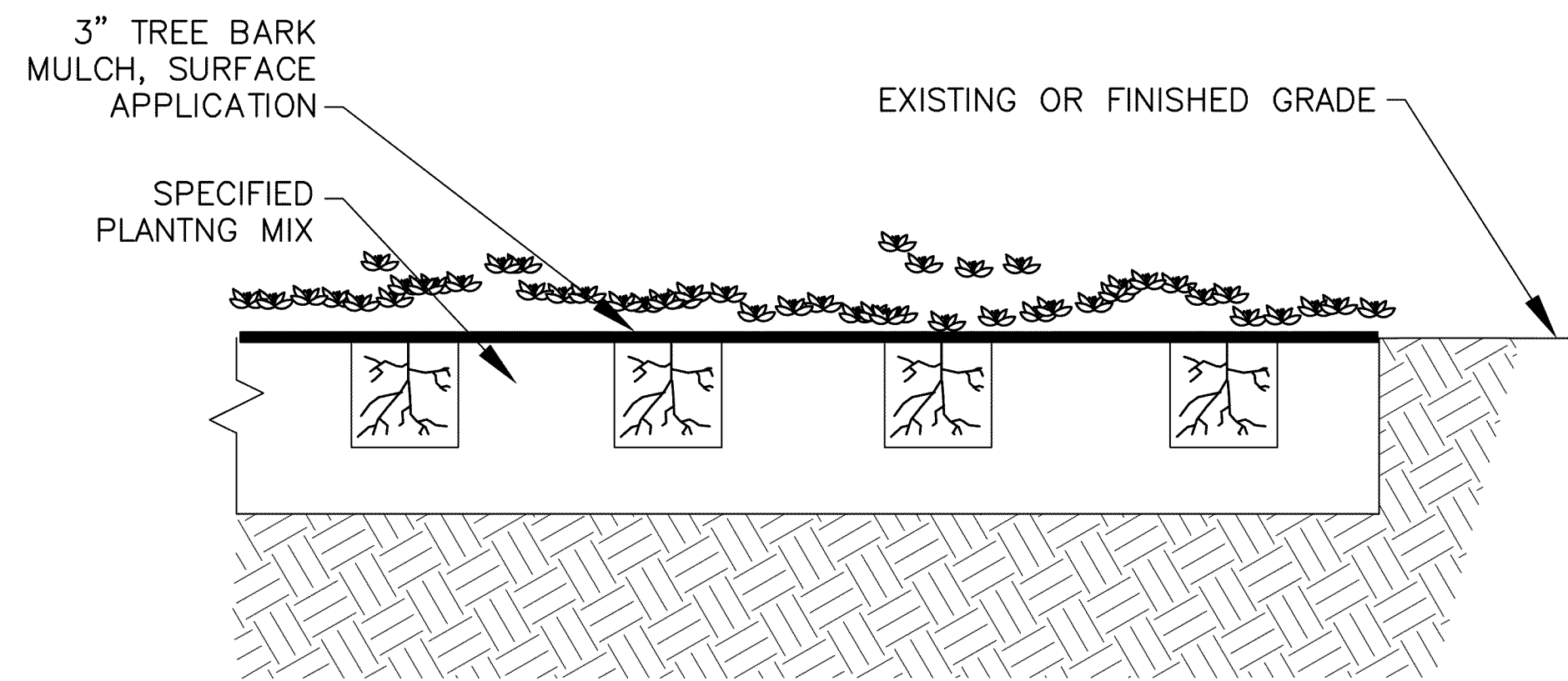
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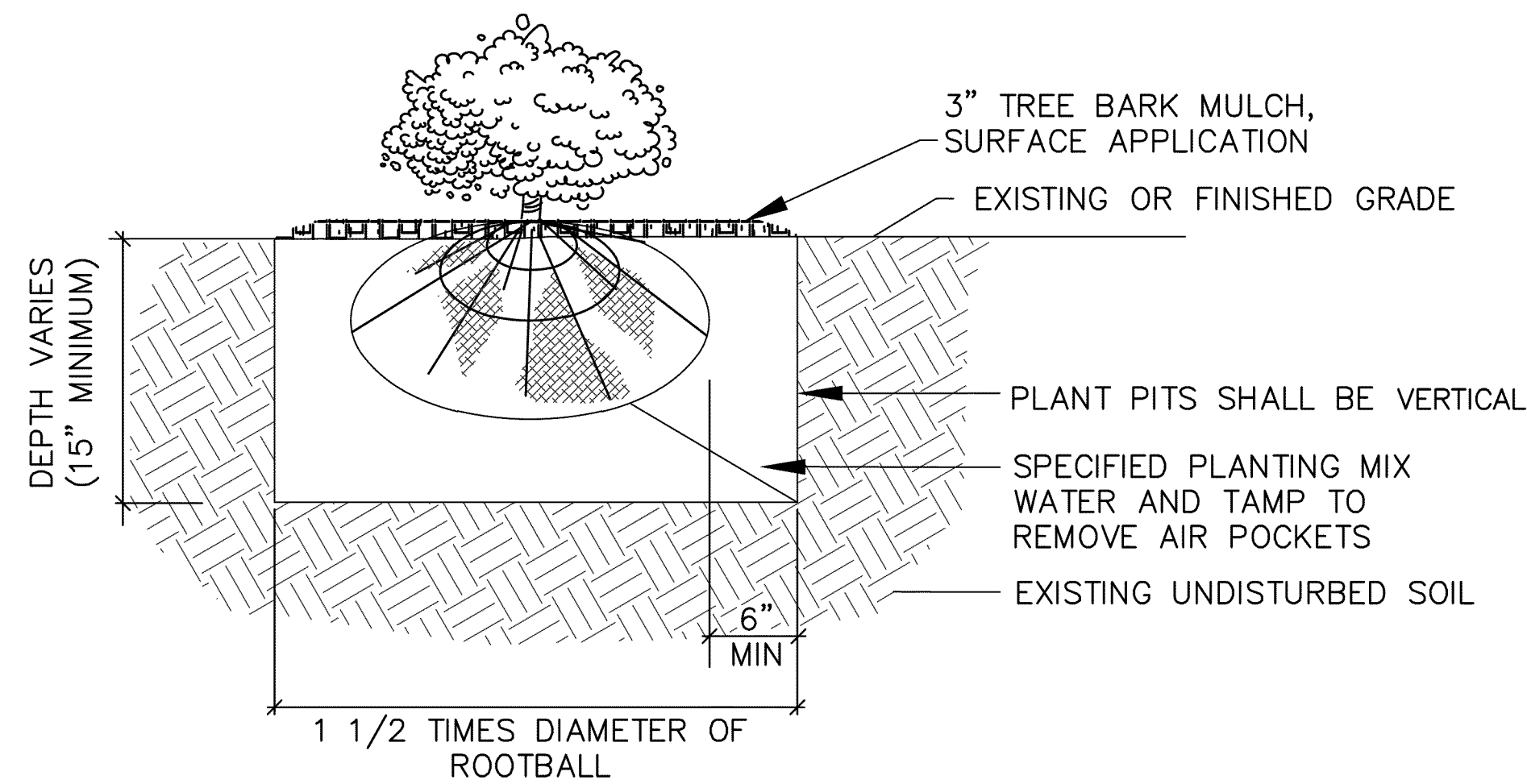
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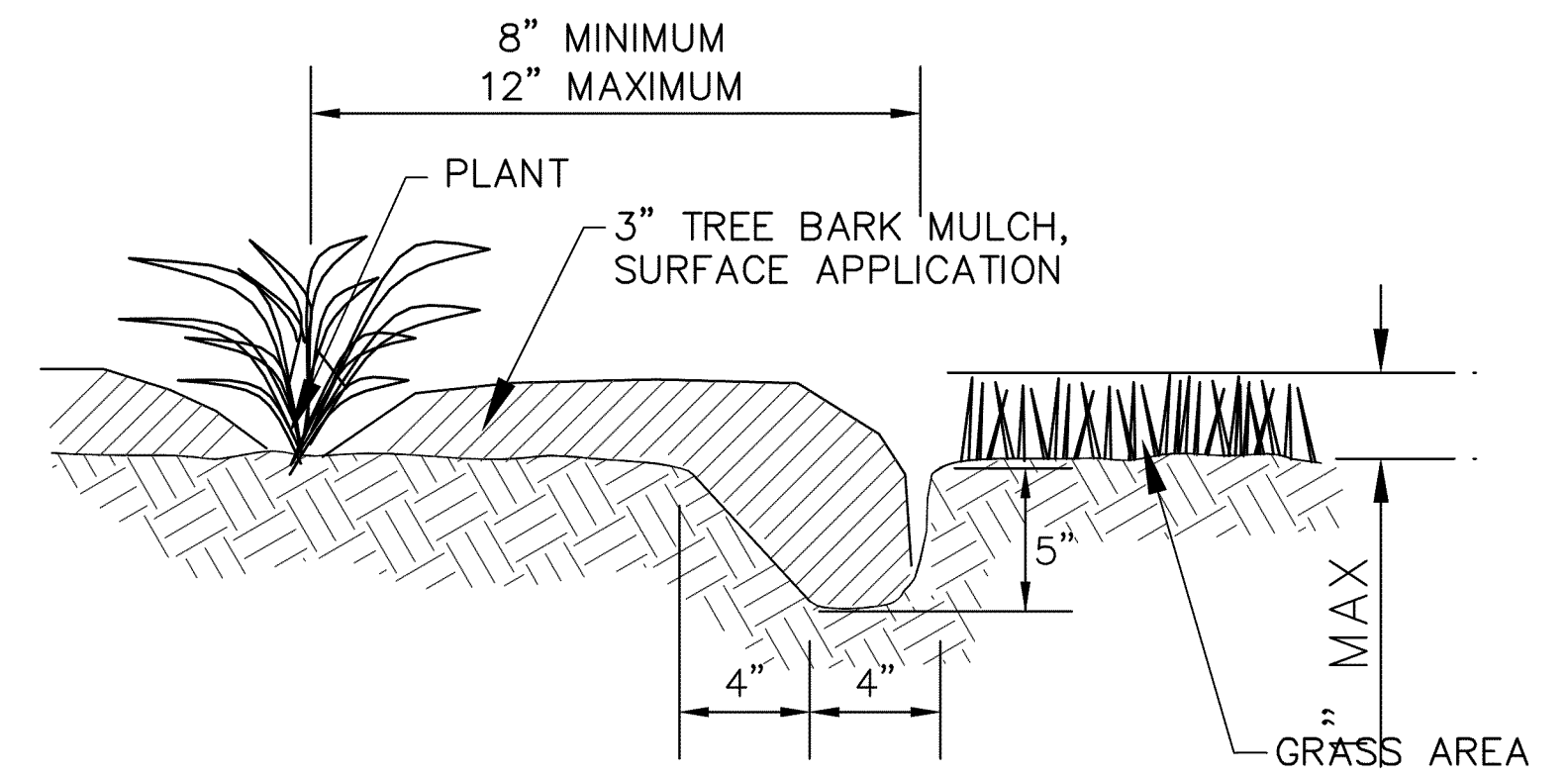
TYPICAL SINGLE-TRUNK TREE PLANTING DETAIL
NOT TO SCALE



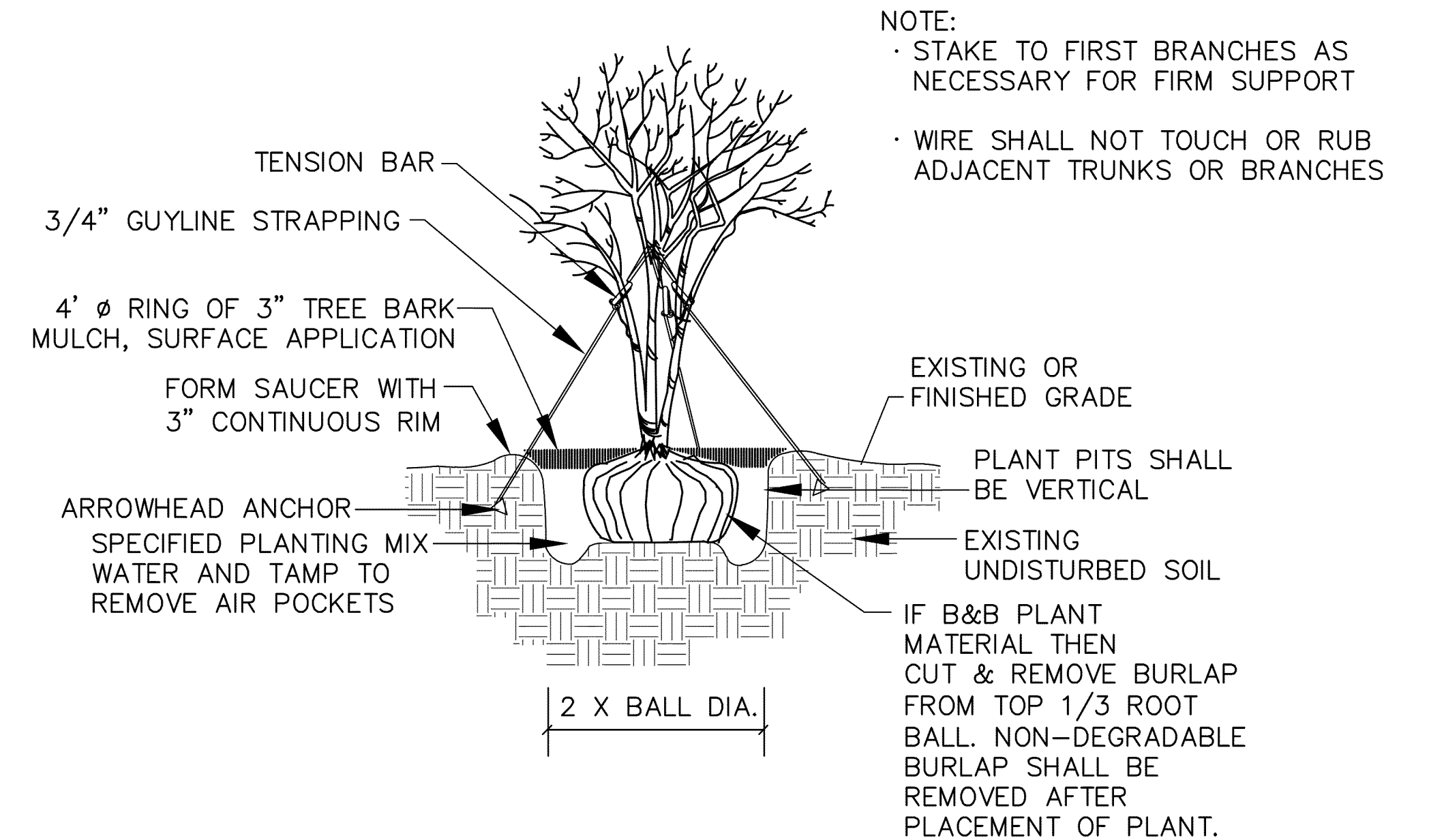
TYPICAL GROUNDCOVER PLANTING DETAIL
NOT TO SCALE



TYPICAL SHRUB PLANTING DETAIL
NOT TO SCALE



BED EDGING DETAIL
NOT TO SCALE



TYPICAL MULTI-TRUNK TREE PLANTING DETAIL
NOT TO SCALE

LANDSCAPE QUANTITIES & VEGETATION SCHEDULE

LANDSCAPE ITEMS	QTY	SIZE/UNIT	SEASONAL APPLICATIONS-DATES & RATES				REQUIREMENTS
			SPRING & SUMMER		FALL & WINTER		
ITEMS			RATES	DATES	RATES	DATES	
TREE PLANTING, LIVE OAK	2	45 GALLON	EACH	UPON REQUEST ONLY	EACH	OCTOBER 1 – APRIL 1	FULL & HEALTHY PLANT; SINGLE STRAIGHT TRUNK; FULL CANOPY
TREE PLANTING, CHINESE ELM "DRAKE"	5	15 GALLON	EACH	UPON REQUEST ONLY	EACH	OCTOBER 1 – APRIL 1	FULL & HEALTHY PLANT; SINGLE STRAIGHT TRUNK; FULL CANOPY
TREE PLANTING, RIVER BIRCH	9	15 GALLON	EACH	UPON REQUEST ONLY	EACH	OCTOBER 1 – APRIL 1	FULL & HEALTHY PLANT; SINGLE STRAIGHT TRUNK; FULL CANOPY
SHRUB PLANTING, KNOCKOUT ROSE	34	3 GALLON	EACH	UPON REQUEST ONLY	EACH	OCTOBER 1 – APRIL 1	FULL & HEALTHY PLANT
SHRUB PLANTING, DWARF YAUPON HOLLY	16	3 GALLON	EACH	UPON REQUEST ONLY	EACH	OCTOBER 1 – APRIL 1	FULL & HEALTHY PLANT
SHRUB PLANTING, AZALEA	6	3 GALLON	EACH	UPON REQUEST ONLY	EACH	OCTOBER 1 – APRIL 1	FULL & HEALTHY PLANT
GROUNDCOVER PLANTING, LIRIOPE 'BIG BLUE'	685	4" CONTAINER	EACH	UPON REQUEST ONLY	EACH	OCTOBER 1 – APRIL 1	FULL & HEALTHY PLANT; 12" OC SPACING
SOLID SOD, COMMON BERMUDA	1,684	SQUARE YARD	EACH	UPON REQUEST ONLY	EACH	OCTOBER 1 – APRIL 1	CERTIFICATE REQUIRED
TREE BARK MULCH, TYPE III	14	CUBIC YARD	NA	NOT APPLICABLE	NA	NOT APPLICABLE	2" ROTO-TILLED INTO AREAS TO RECEIVE BED PREP; 0.1 CUBIC YARD AROUND EACH TREE
TREE BARK MULCH, TYPE V	20	CUBIC YARD	NA	NOT APPLICABLE	NA	NOT APPLICABLE	3" SURFACE APP. IN AREAS TO RECEIVE BED PREP; 0.15 CUBIC YARD AROUND EACH TREE
TOPSOIL FOR PLANT PITS, CONTRACTOR FURNISHED	5	CUBIC YARD	NA	NOT APPLICABLE	NA	NOT APPLICABLE	0.1 CUBIC YARDS AROUND EACH TREE
TOPSOIL, CONTRACTOR FURNISHED	115	CUBIC YARD	NA	NOT APPLICABLE	NA	NOT APPLICABLE	4" ROTO-TILLED INTO AREAS TO RECIEVE BED PREP; 2" IN AREAS TO RECIEVE SOD
BED PREPARATION	1,821	SQUARE FEET	NA	NOT APPLICABLE	NA	NOT APPLICABLE	REQUIRED IN AREAS TO RECEIVE SHRUBS AND GROUNDCOVER
STANDARD GROUND PREPARATION	1,684	SQUARE YARD	NA	NOT APPLICABLE	NA	NOT APPLICABLE	REQUIRED IN AREAS TO RECEIVE SOD
COMBINATION FERTILIZER, 13-13-13 (ABSORBED IN SOD)	340	LBS	1,000 PER ACRE	NOT APPLICABLE	NA	NOT APPLICABLE	REQUIRED IN AREAS TO RECEIVE SOD
FERTILIZER FOR WOODY PLANT MATERIAL, 10 GRAM	1	K	PER K	NOT APPLICABLE	NA	NOT APPLICABLE	3 PER 30/45 GAL; 2 PER 15 GAL; 1 PER 3 GAL; 0.5 PER 1 GAL/4" CONTAINER
WATERING	250	KGAL	NA	NOT APPLICABLE	NA	NOT APPLICABLE	AS REQUIRED DURING THE MAINTENANCE PERIOD

NOTICE TO DRAWING HOLDER

NEEL-SCHAFFER, INC., HERINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.

REVISIONS

NO.	DATE	BY	DESCRIPTION

DRAWING INFORMATION

N-S PROJECT NO.: 11846.001
FILENAME: LANDSCAPE.DWG
SCALE: N.T.S.
SURVEYED BY:
DSGN: GPC DATE: 01/2014
DRWN: DAL DATE: 01/2014
CHKD: DATE:
QA/QC: DATE:

GORDON'S CREEK - DOWNTOWN DISTRICT

CITY OF HATTIESBURG
FORREST COUNTY, MS



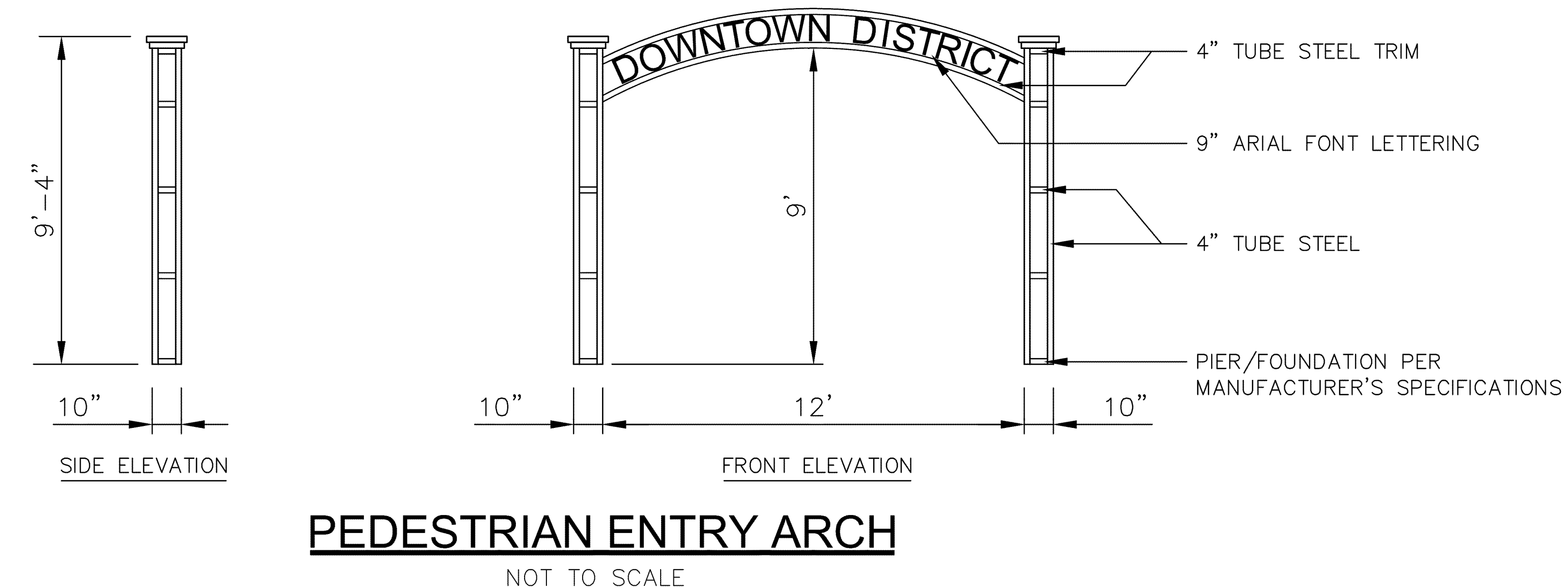
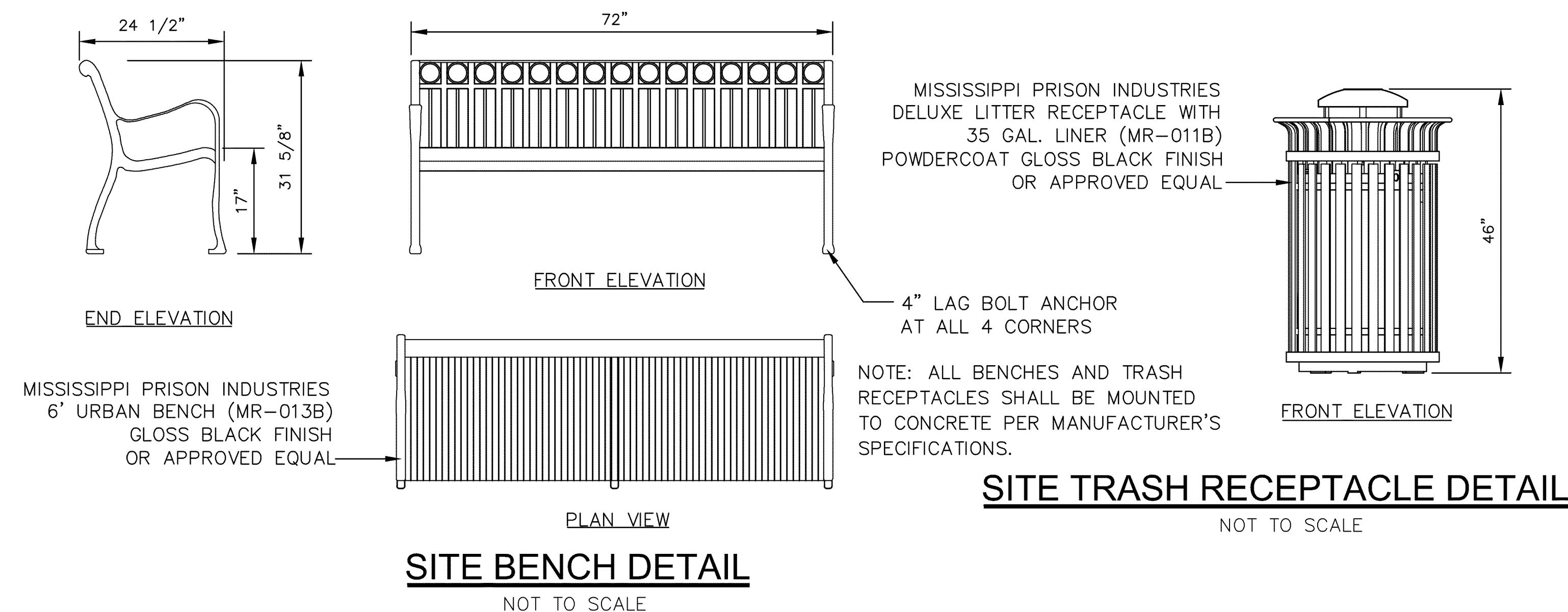
GORDON'S CREEK

WORKING NUMBER:

LS-3

DRAWING NUMBER:

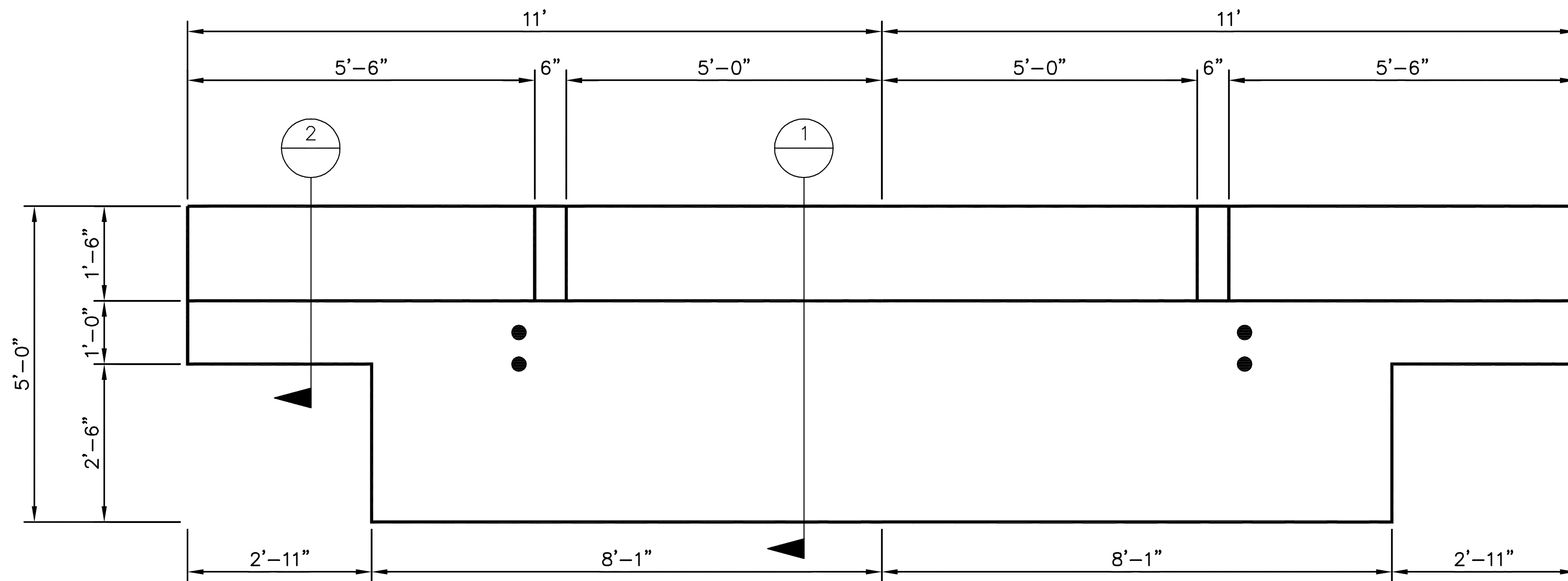
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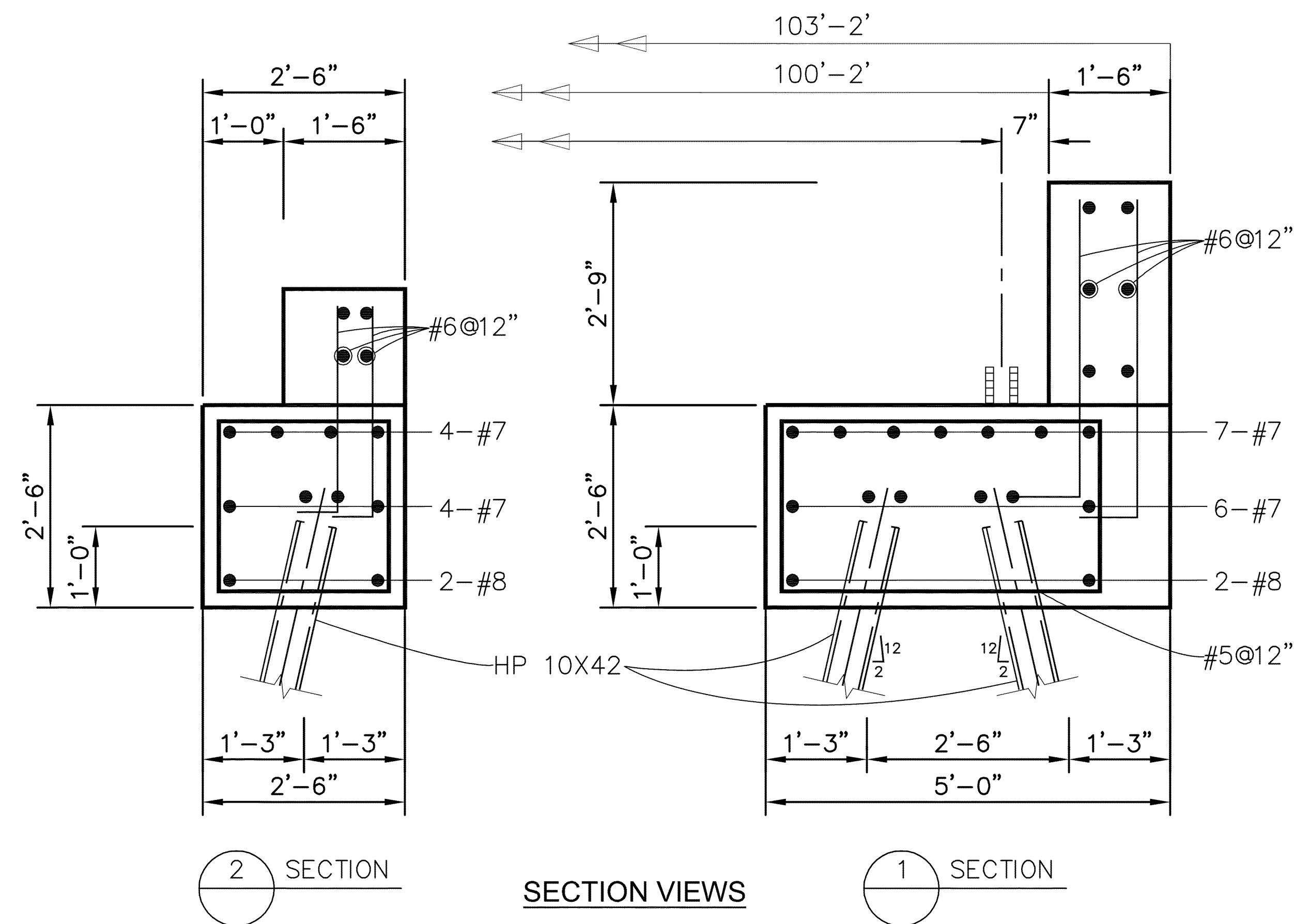
GENERAL NOTES FOR PEDESTRIAN ENTRY ARCH:

1. STRUCTURE SHALL BE STRUCTURAL STEEL TUBE MINIMUM ASTM A500 GRADE B OR COLD FORMED BOX SECTIONS MINIMUM ASTM A570 GRADE 55. 'I' BEAMS, TAPERED COLUMNS, OPEN CHANNEL OR WOOD PRODUCTS SHALL NOT BE ACCEPTED.
2. FASTENERS SHALL BE ASTM A325 HIGH STRENGTH BOLTS AND A563 HIGH STRENGTH NUTS, ASTM A36 ANCHOR BOLTS, SELF DRILLING SCREWS AND RIVETS.
3. STRUCTURE SHALL MEET THE FOLLOWING QUALIFICATIONS: BUILDING CODE IBC, 2006 EDITION; 30 PSF SNOW LOAD OR LIVE LOAD; 125 MPH WIND SPEED; SEISMIC ZONE 4.
4. ALL MEMBERS SHALL BE FACTORY WELDED ASSEMBLIES WITH PROVISIONS FOR BOLTED CONNECTIONS. THERE WILL BE NO FIELD WELDING REQUIRED.
5. FACTORY FINISH SHALL BE POWDER COAT PREPARED THROUGH THE FOLLOWING PROCESS: SHOT BLASTED TO NEAR WHITE CONDITION REMOVING OIL RESIDUE, MIL SCALE, WELD SPATTER AND SLAG. THEN A 3 STAGE MECHANICAL WASH AND IRON PHOSPHATE COATING AND A 2-5 MIL COATING OF SUPER DURABLE POLYESTER TGIC POWDER COAT CURED TO ACCOMPLISH HEAT FUSION. ALL MATERIAL SHALL BE INSPECTED TO INSURE 100% COATING, INTERCOAT ADHESION, PROPER CURE, FILM THICKNESS AND IMPACT RESISTANCE. COLOR TO BE SELECTED FROM MANUFACTUREER'S STANDARD COLOR CHART.

NOTICE TO DRAWING HOLDER NEEL-SCHAFER, INC., HERINAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.	REVISIONS			DRAWING INFORMATION		GORDON'S CREEK - DOWNTOWN DISTRICT			GORDON'S CREEK	
	NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 11846.001				WORKING NUMBER:	
					FILENAME: LANDSCAPE.DWG				DRAWING NUMBER:	
					SCALE: N.T.S				LS-4	
					SURVEYED BY:				22	
					DSGN: GPC	DATE: 01/2014	CITY OF HATTIESBURG FORREST COUNTY, MS			
					DRWN: DAL	DATE: 01/2014				
					CHKD:	DATE:				
					QA/QC:	DATE:				



ABUTMENT PLAN



SECTION VIEWS

NOTICE TO DRAWING HOLDER

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REVISIONS				DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 11846.0001	
				FILENAME: ABUTMENT_DETAILS.DWG	
				SCALE: NOT TO SCALE	
				SURVEYED BY:	
				DSGN: GPC	DATE: 01/2014
				DRWN: AAM	DATE: 01/2014
				CHKD:	DATE:
				QA/QC:	DATE:

GORDON'S CREEK - DOWNTOWN DISTRICT

CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI



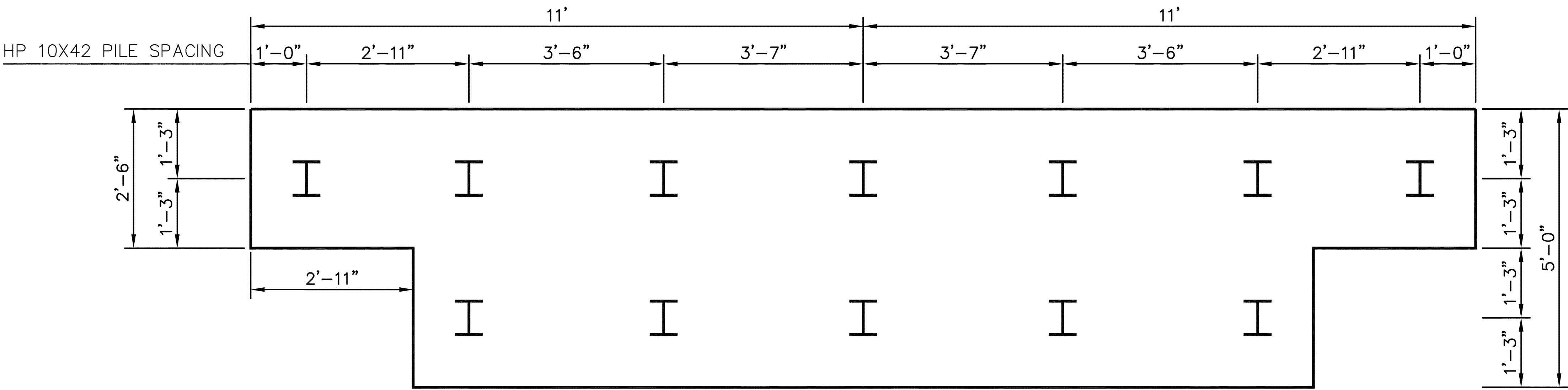
ABUTMENT PLAN AND SECTIONS

WORKING NUMBER:

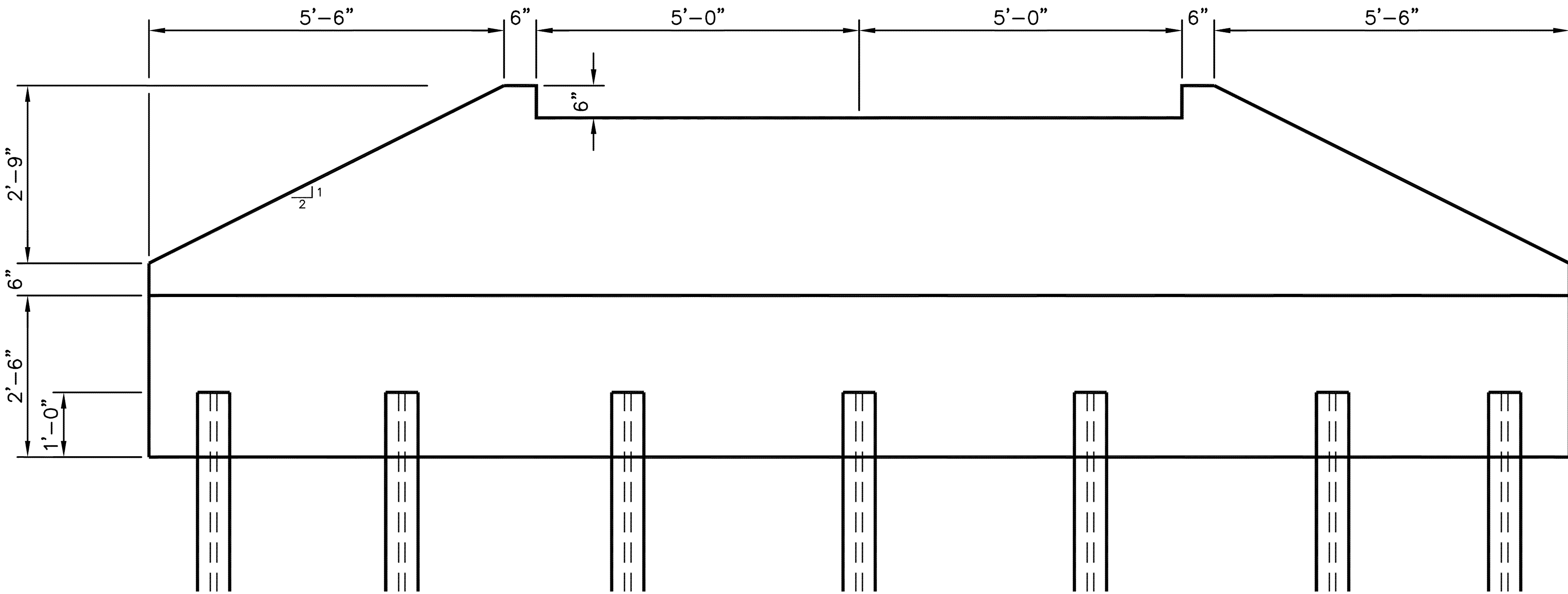
S-3

DRAWING NUMBER:

25



ABUTMENT FOUNDATION PLAN



ABUTMENT ELEVATION

NOTICE TO DRAWING HOLDER NEEL-SCHAFFER, INC., HEREAFTER REFERRED TO AS THE ENGINEER HAS PREPARED AND FURNISHED THIS DRAWING TO THE OWNER FOR USE ON THIS PROJECT ONLY. THIS DRAWING SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THIS DRAWING, WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY THE ENGINEER, SHALL BE AT THE REUSER'S SOLE RISK AND THE REUSER SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES ARISING OUT OF OR RESULTING THEREFROM.	REVISIONS				DRAWING INFORMATION	
	NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 11846.0001	
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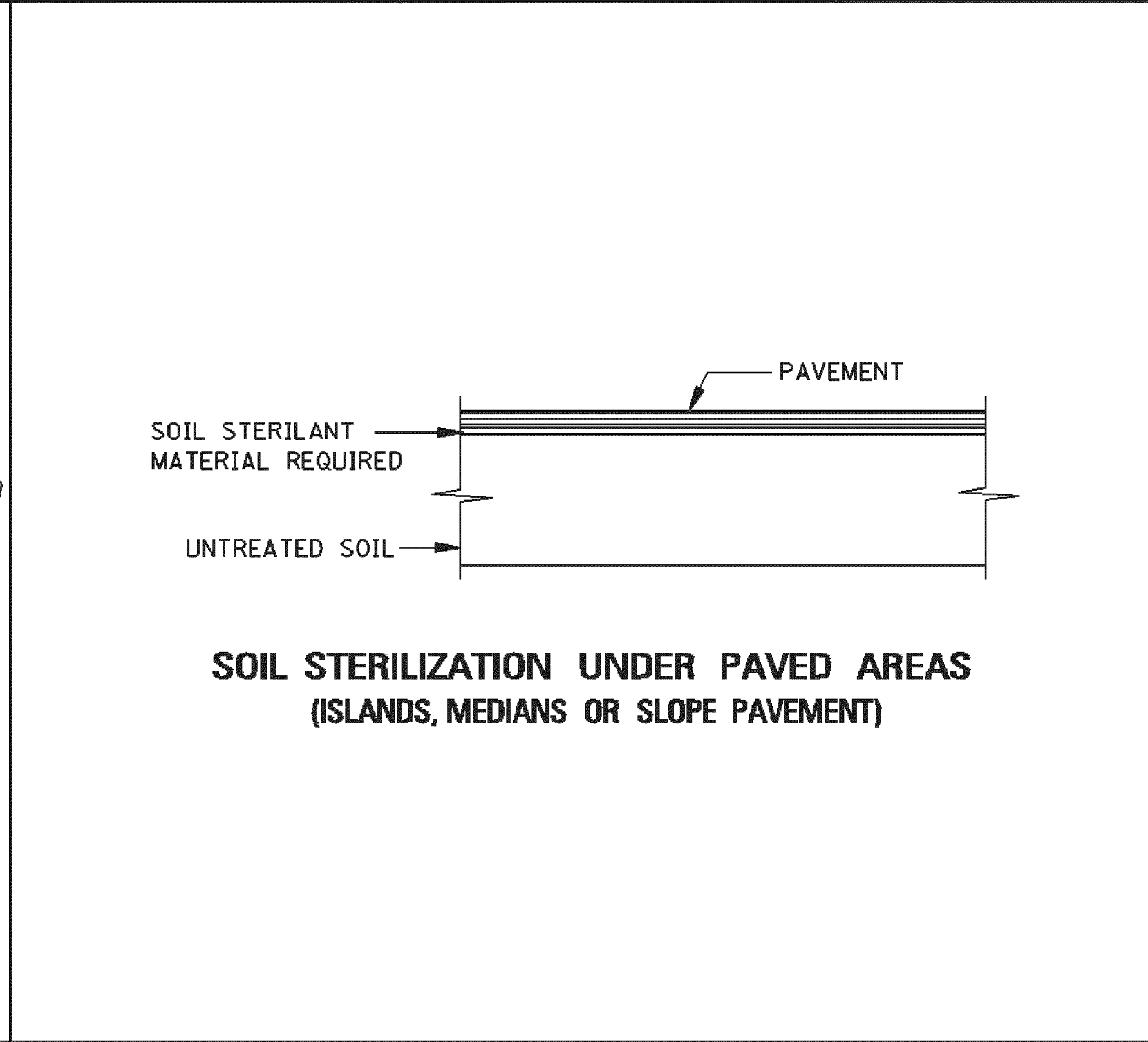
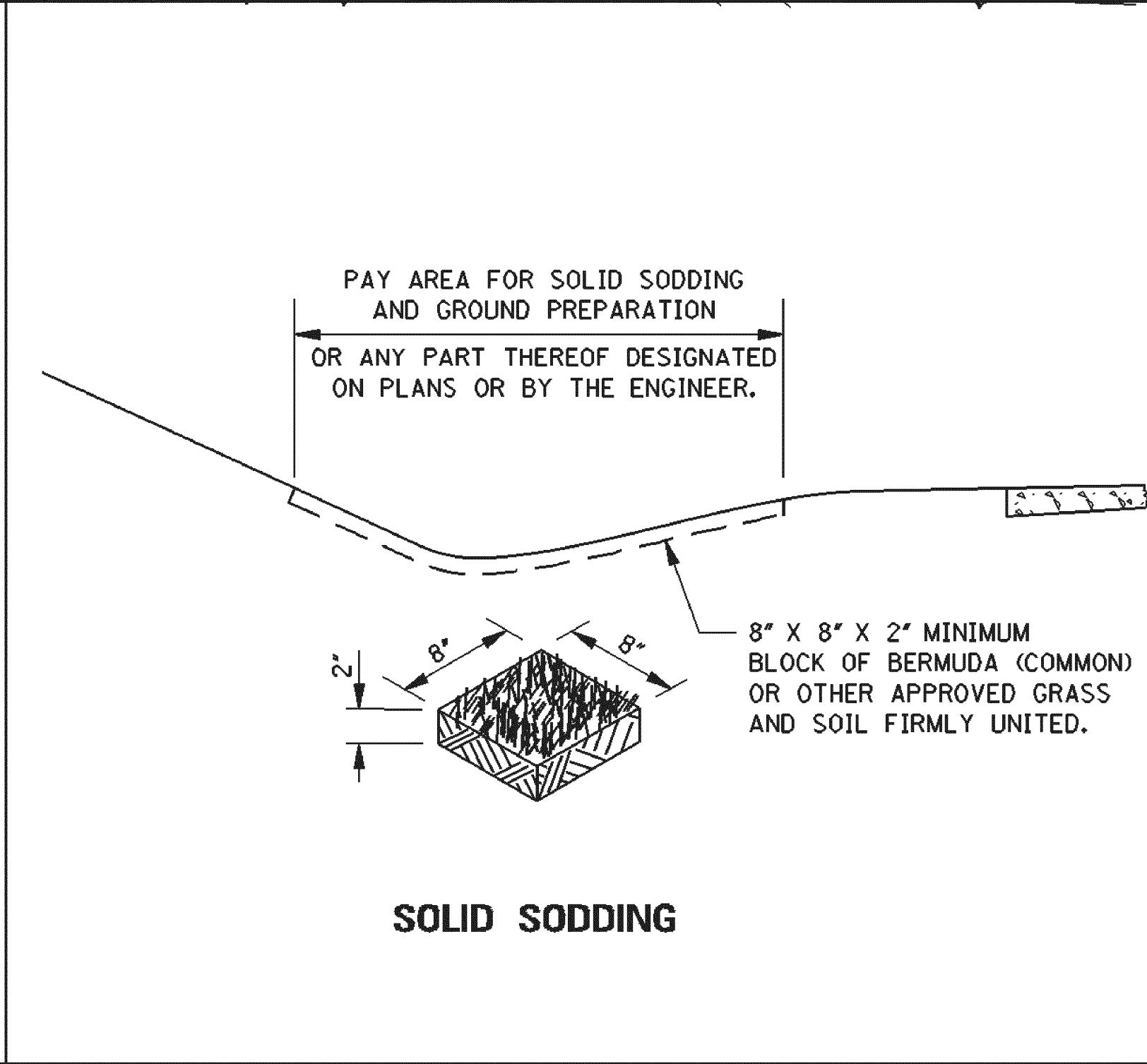
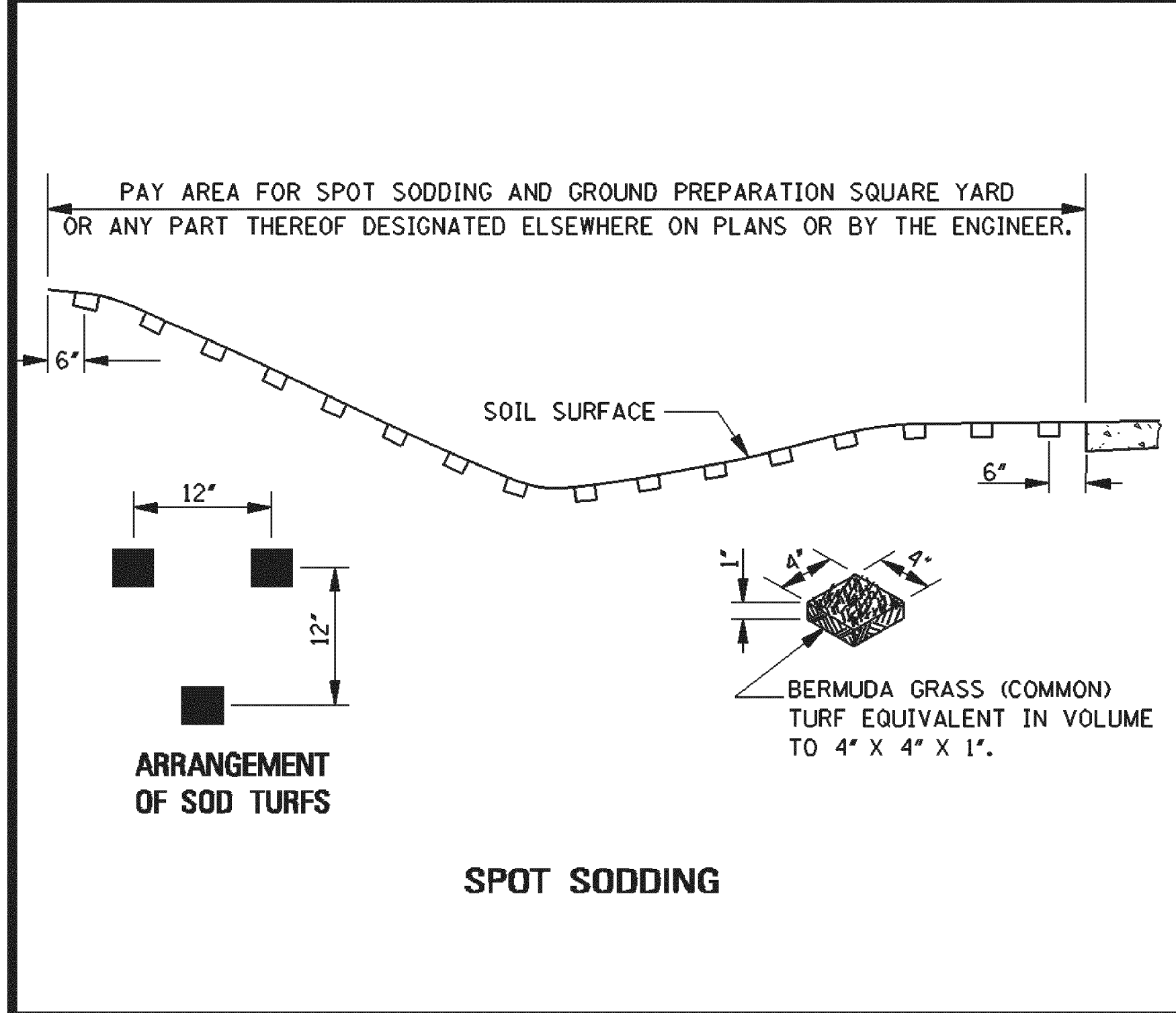
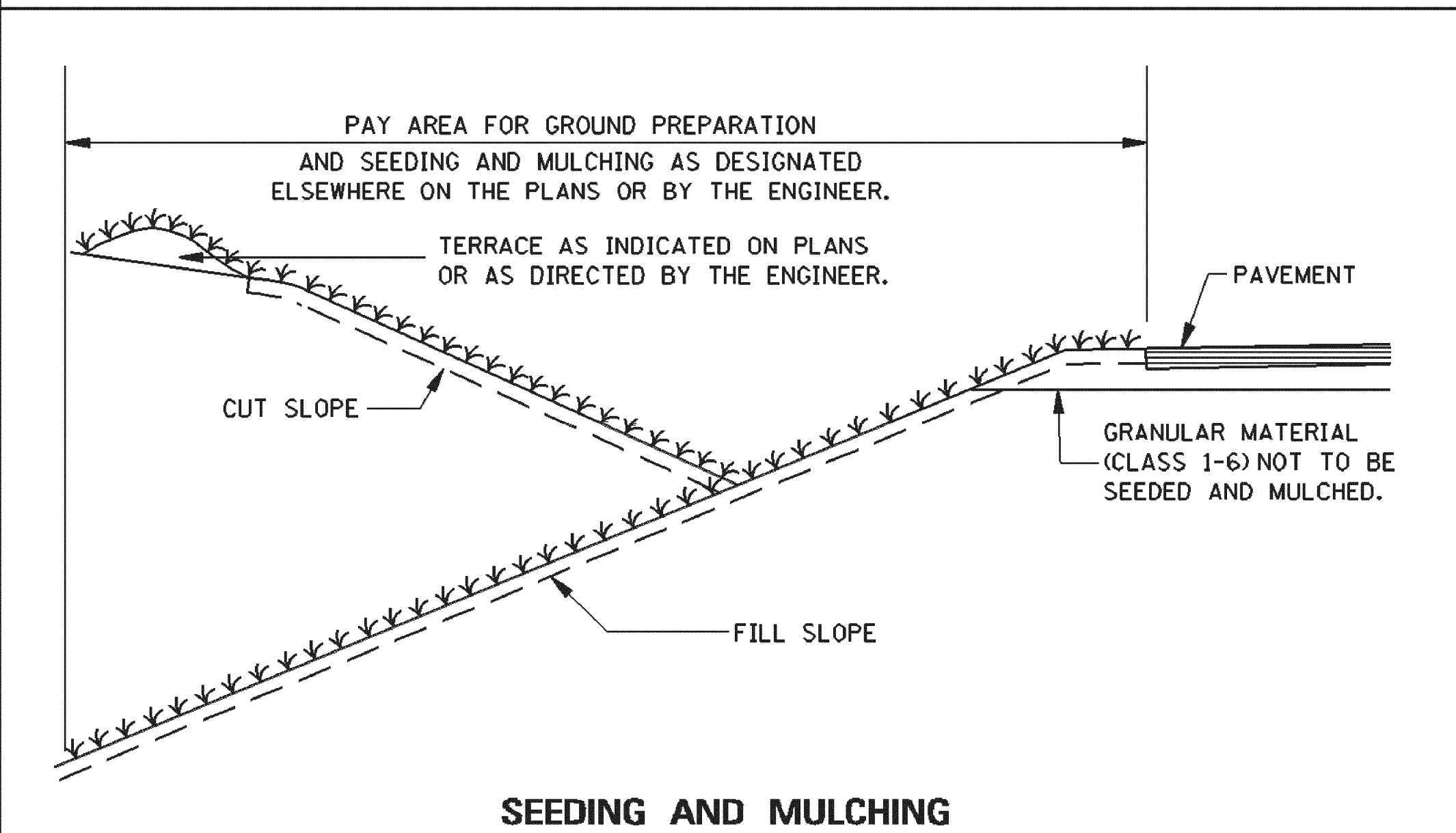
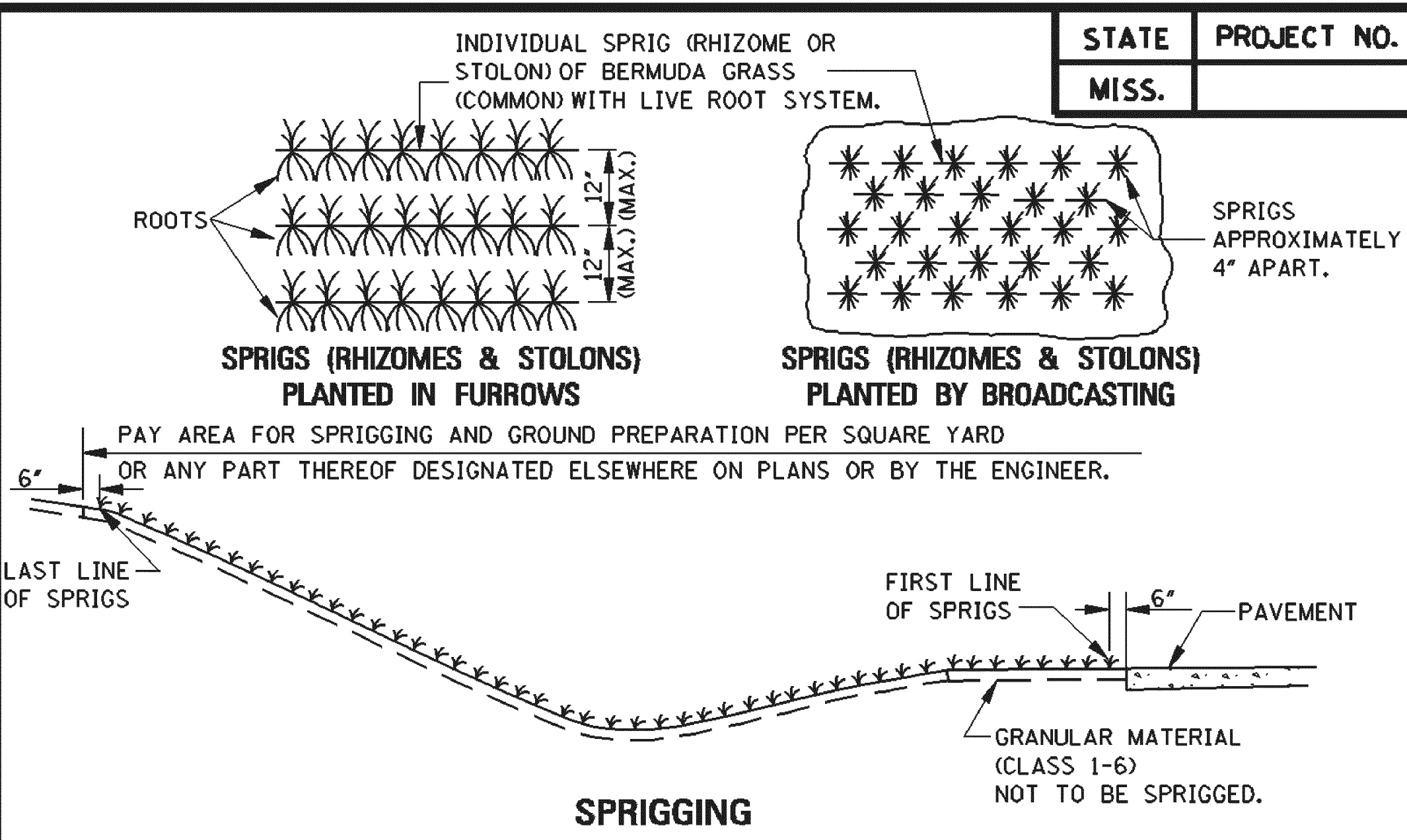
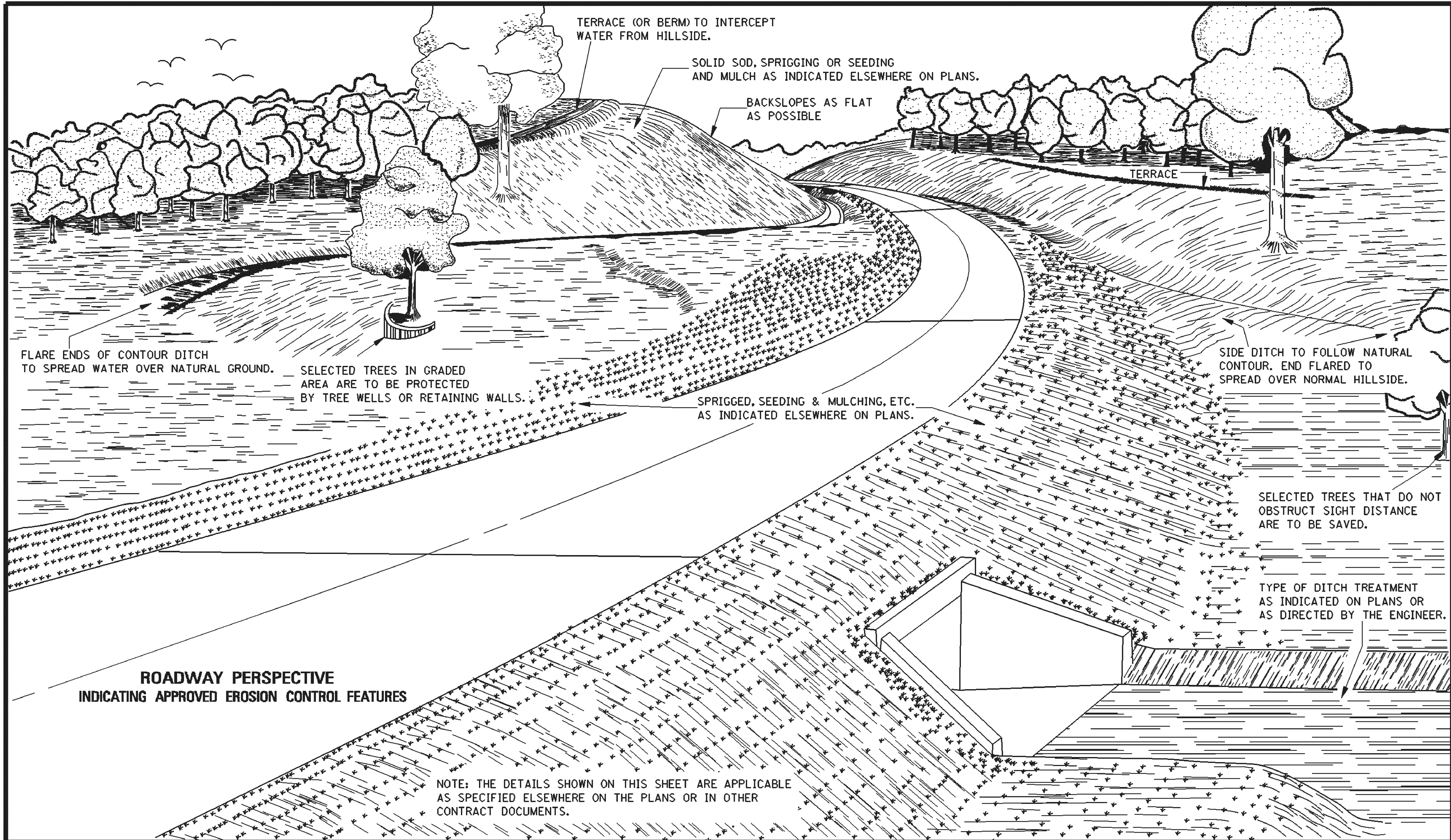
GORDON'S CREEK - DOWNTOWN DISTRICT

CITY OF HATTIESBURG
HATTIESBURG , MISSISSIPPI



NEEL-SCHAFFER
Solutions you can build upon

ABUTMENT FOUNDATION PLAN AND ELEVATION	
WORKING NUMBER: S-4	DRAWING NUMBER: 26



GENERAL NOTE:

1. LONGITUDINAL AND TRANSVERSE MEASUREMENTS FOR THE PAY AREA SHALL BE TAKEN ALONG THE SLOPES.

REVISION	DATE	BY

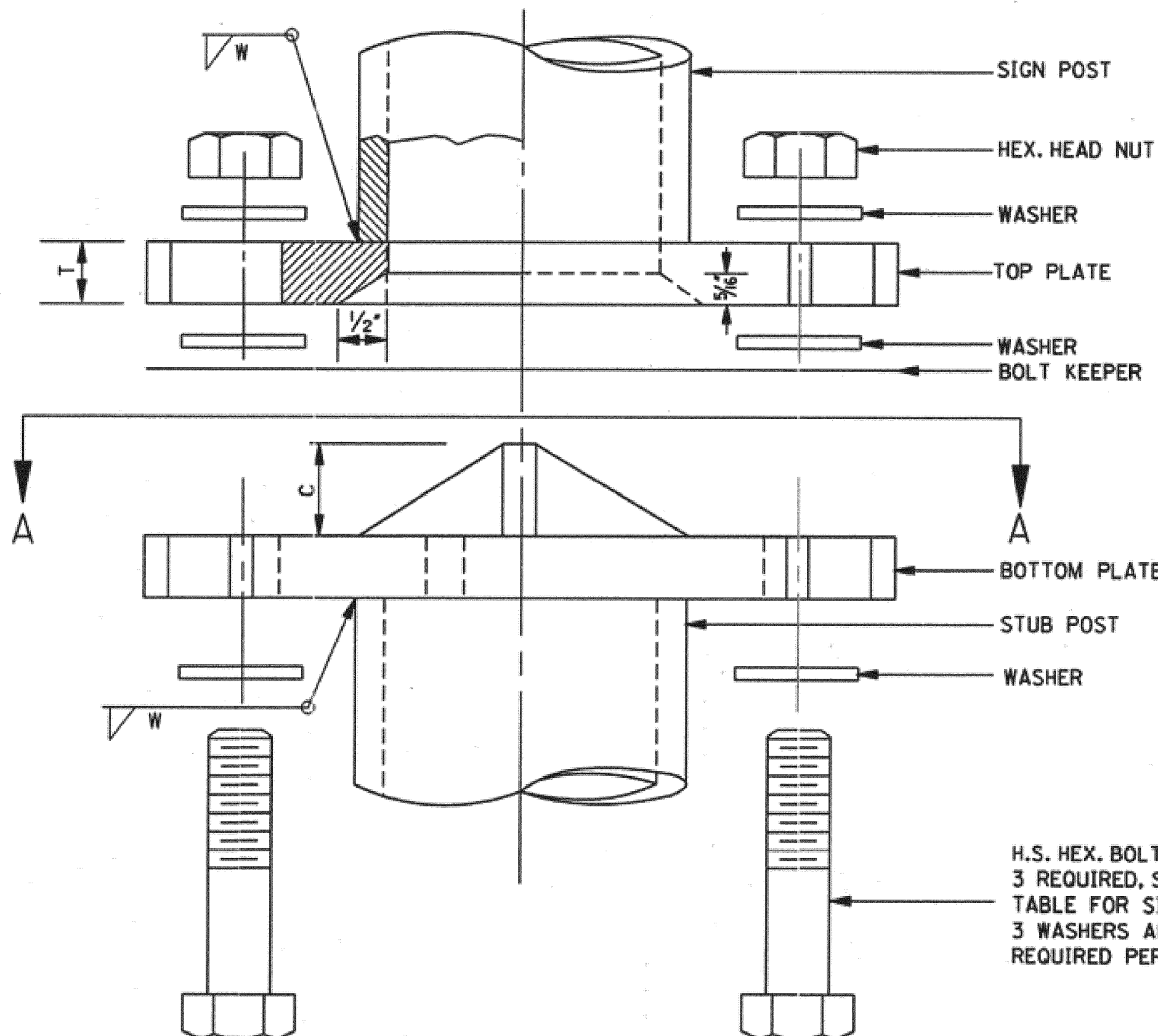
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

EROSION CONTROL

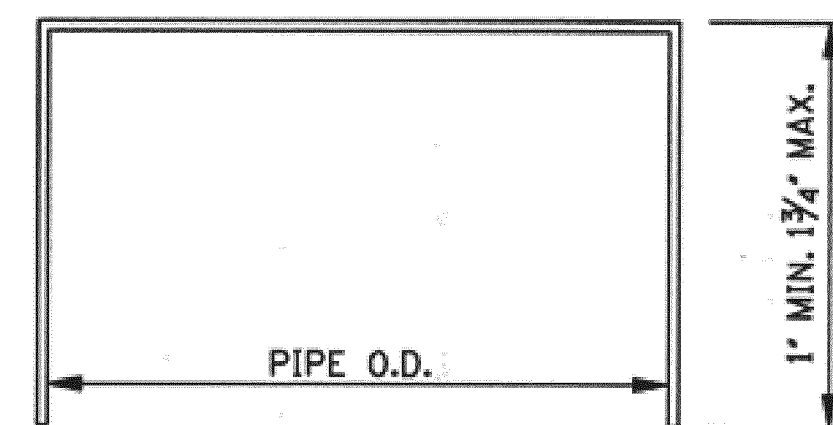
WORKING NUMBER
EC-1

SHEET NUMBER
140

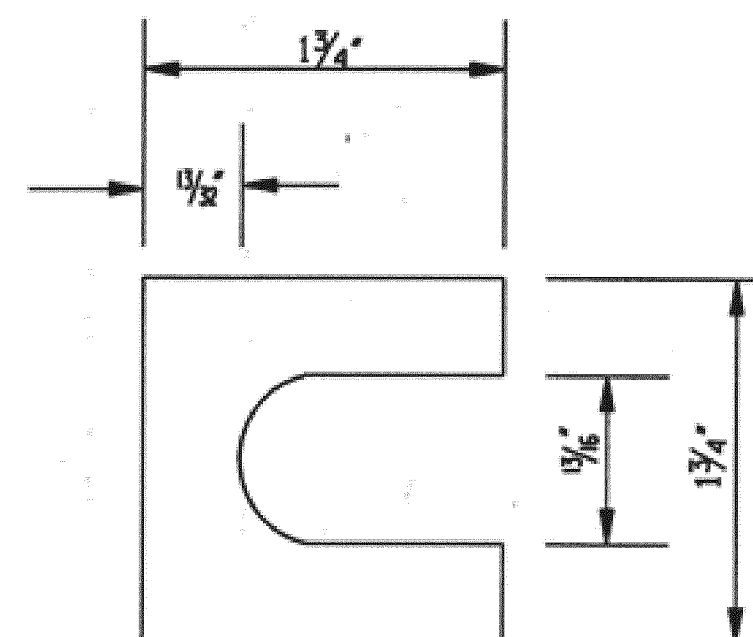
ISSUE DATE: OCTOBER 1, 1998



MULTI-DIRECTIONAL SIGN POST & STUB POST

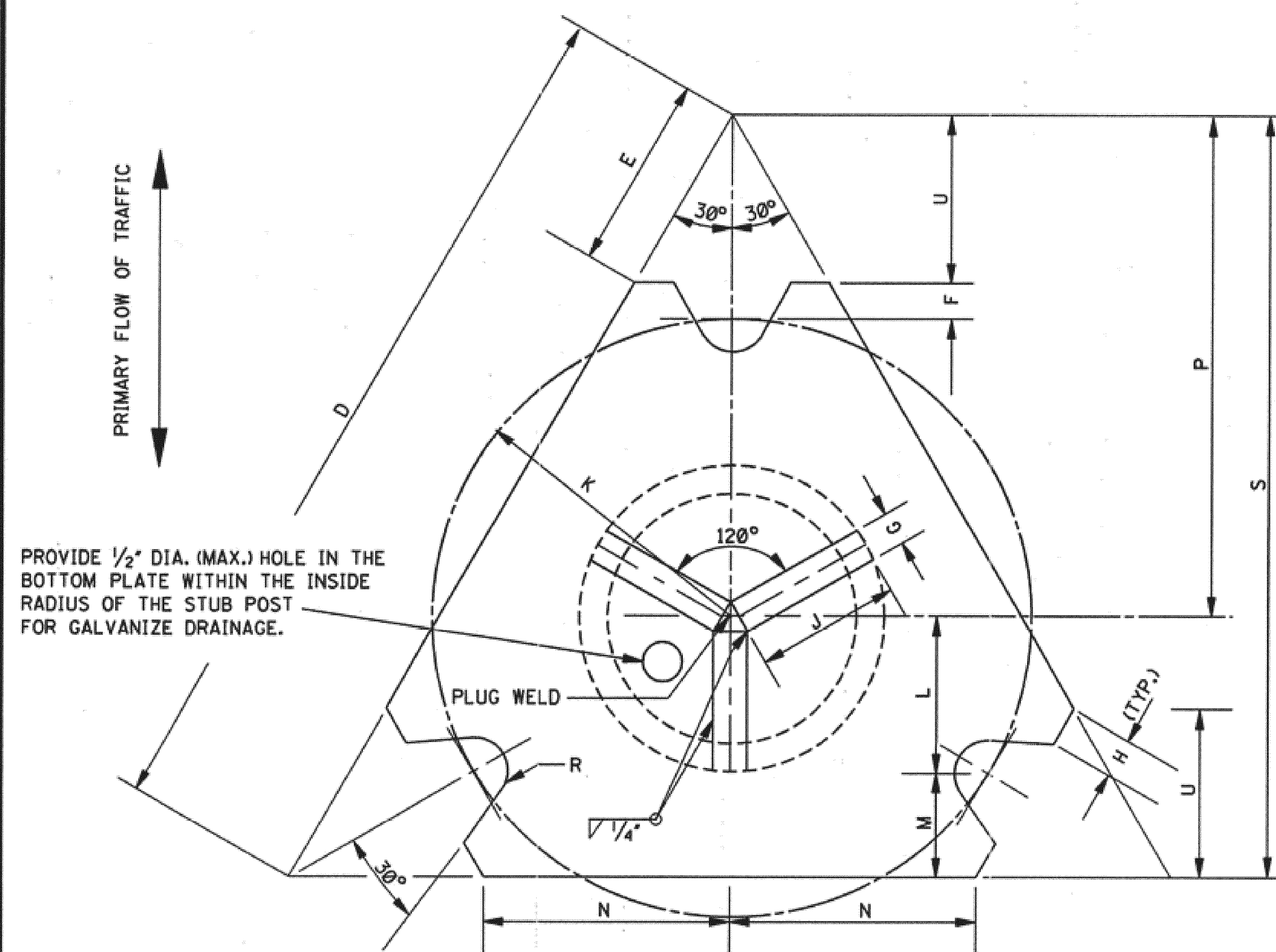


FRICION CAP DETAIL
NOTE: SEE NOTE 3



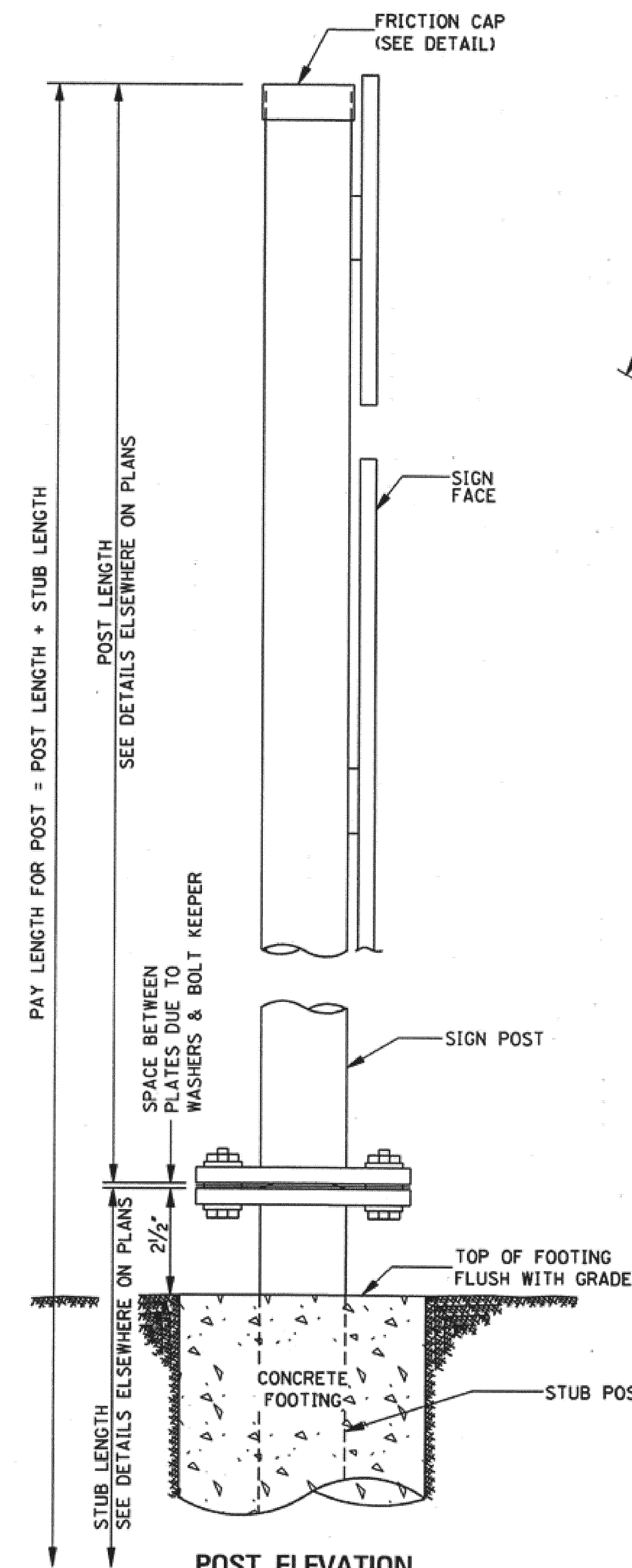
SHIM DETAIL

NOTE: FURNISH 2-0.012" ± THICK AND 2-0.032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO ASTM B 36.

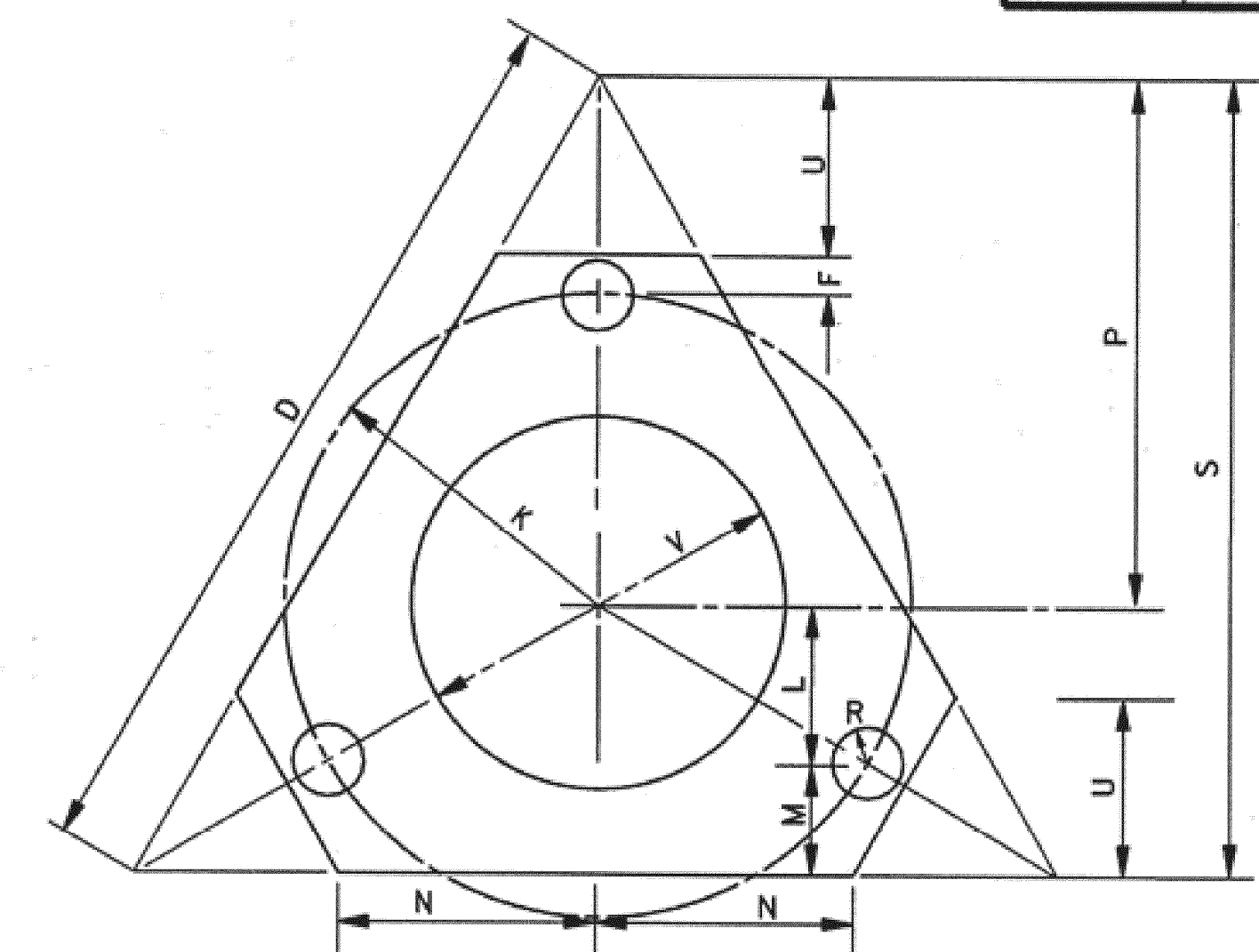


SECTION A-A

NOTE: SEE DATA TABLE FOR DIMENSIONS



POST ELEVATION



BOLT KEEPER PLATE DETAIL

NOTE: TO BE FABRICATED FROM 28 GAGE THICK GALVANIZED STEEL. TO BE INSTALLED AS SHOWN IN DETAIL AT UPPER LEFT.

GENERAL NOTES: (SEE SN-6 FOR ADDITIONAL GENERAL NOTES)

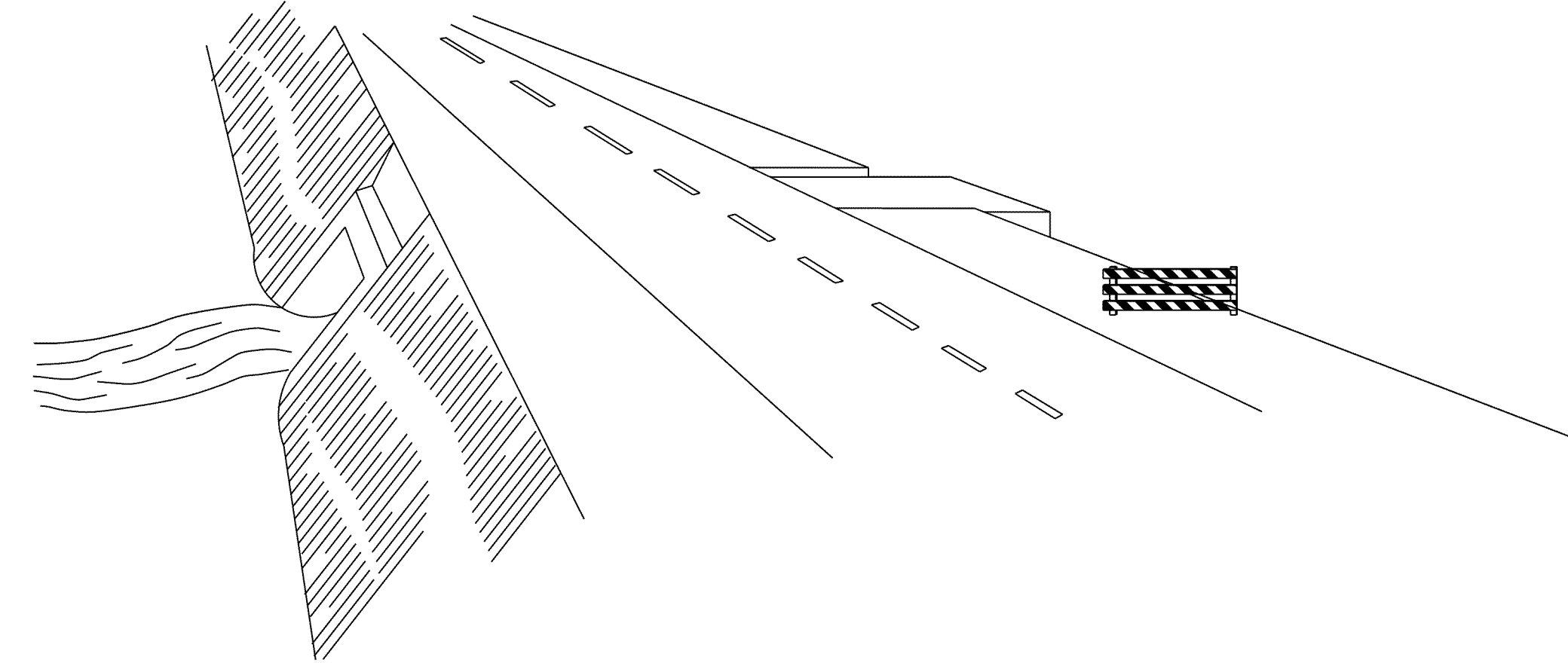
- THE TOP PLATE OF THE TRIANGULAR SLIP BASE SHALL HAVE THE SAME EXTERIOR DIMENSIONS AS THE BOTTOM PLATE. THE LIFTING CONE SHALL BE WELDED TO THE BOTTOM PLATE ONLY. A HOLE EQUAL TO THE INSIDE DIAMETER OF THE SIGN POST SHALL BE CUT THROUGH THE CENTER OF THE TOP PLATE WITH THE HOLE EDGE BEVELED AS DETAILED. TOP & BOTTOM PLATES SHALL BE SYMMETRICAL FOR THE PURPOSE OF ASSEMBLY IN ANY POSITION.
- BASE CONNECTION ASSEMBLY AS FOLLOWS:
 - ASSEMBLE POST TO STUB WITH 3 BOLTS AND WITH 3 FLAT WASHERS PER BOLT.
 - SHIM AS REQUIRED TO PLUMB POST.
 - TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH A 12" TO 15" WRENCH TO BED WASHERS, KEEPER PLATE, SHIMS AND TO CLEAN THREADS.
 - LOOSEN EACH BOLT IN TURN & RETIGHTEN IN A SYSTEMATIC ORDER TO PRESCRIBED TORQUE. (SEE BASE CONNECTION DATA TABLE).
 - BURR THREADS AT JUNCTION WITH NUT WITH A CENTER PUNCH TO PREVENT NUT FROM LOOSENING.
- FRICION CAPS TO BE MANUFACTURED FROM HOT ROLLED OR COLD ROLLED STEEL SHEETS. FOR ALL PIPE SIZES, MINIMUM THICKNESS SHALL BE 20 GAGE SHEET METAL. RIM EDGES SHALL BE REASONABLY STRAIGHT AND SMOOTH. CAPS SHALL BE SIZED AND FORMED IN SUCH A MANNER AS TO PROVIDE A DRIVE-ON FRICION FIT AND HAVE NO TENDENCY TO ROCK WHEN SEATED ON PIPE. THE DEPTH SHALL BE SUFFICIENT TO GIVE POSITIVE PROTECTION AGAINST ENTRANCE OF RAINWATER. THEY SHALL BE FREE OF SHARP CREASES OR INDENTATIONS AND SHOW NO SIGNS OF METAL FRACTURE. ALL CAPS TO BE SAME IN SHAPE AND GENERAL APPEARANCE AS APPROVED BY THE ENGINEER.
- STUB PROJECTION SHOULD BE MEASURED OVER A 5'-0" CHORD AS PER AASHTO SPECIFICATIONS, LATEST EDITIONS. SEE SHEET SN-6A FOR DIAGRAM.

BASE CONNECTION DATA TABLE

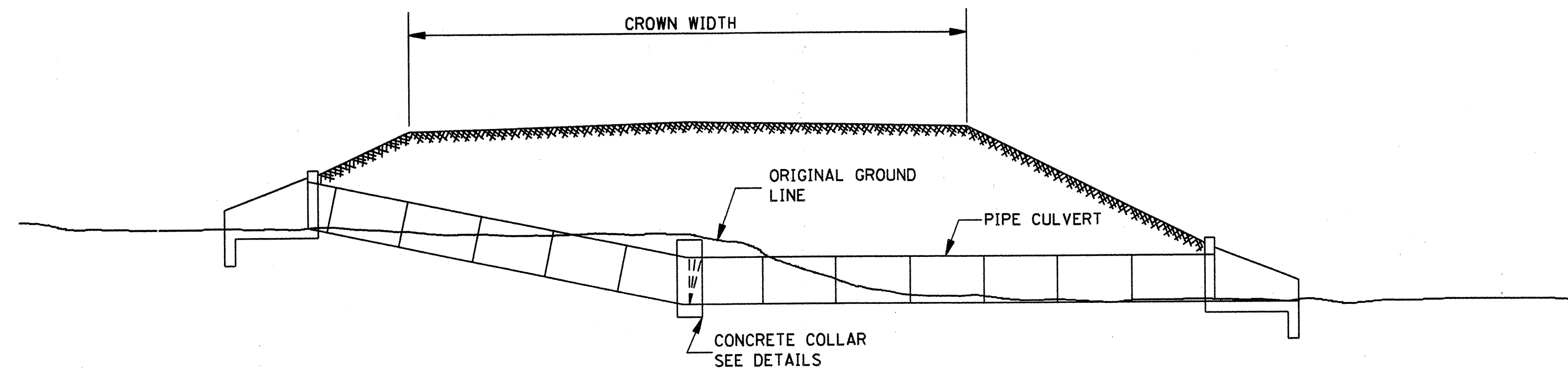
DIMENSIONS NOMINAL PIPE SIZES	BOLT SIZE & TORQUE	T	W	C	*D	*E	F	G	*H	J	K	L	M	*N	P	S	U	V	R
3"	5/8" X 2 1/2"	5/8"	3/8"	1"	10 3/8"	2 3/8"	1 1/2"	3/8"	1/2"	1 3/4"	3 1/2"	1 3/4"	1 1/4"	2 3/8"	6"	9"	2"	4 1/4"	1 1/2"
3 1/2"	300 in. lbs																		
4"	3/4" X 3"	7/8"	7/16"	1 1/8"	13"	2 7/8"	1 1/2"	3/8"	5/8"	2 1/2"	4 1/2"	2 1/4"	1 1/2"	3 3/8"	7 1/2"	11 1/4"	2 1/2"	5 3/4"	1 3/4"
5"	500 in. lbs																		

*NOTE: APPROXIMATE DIMENSIONS

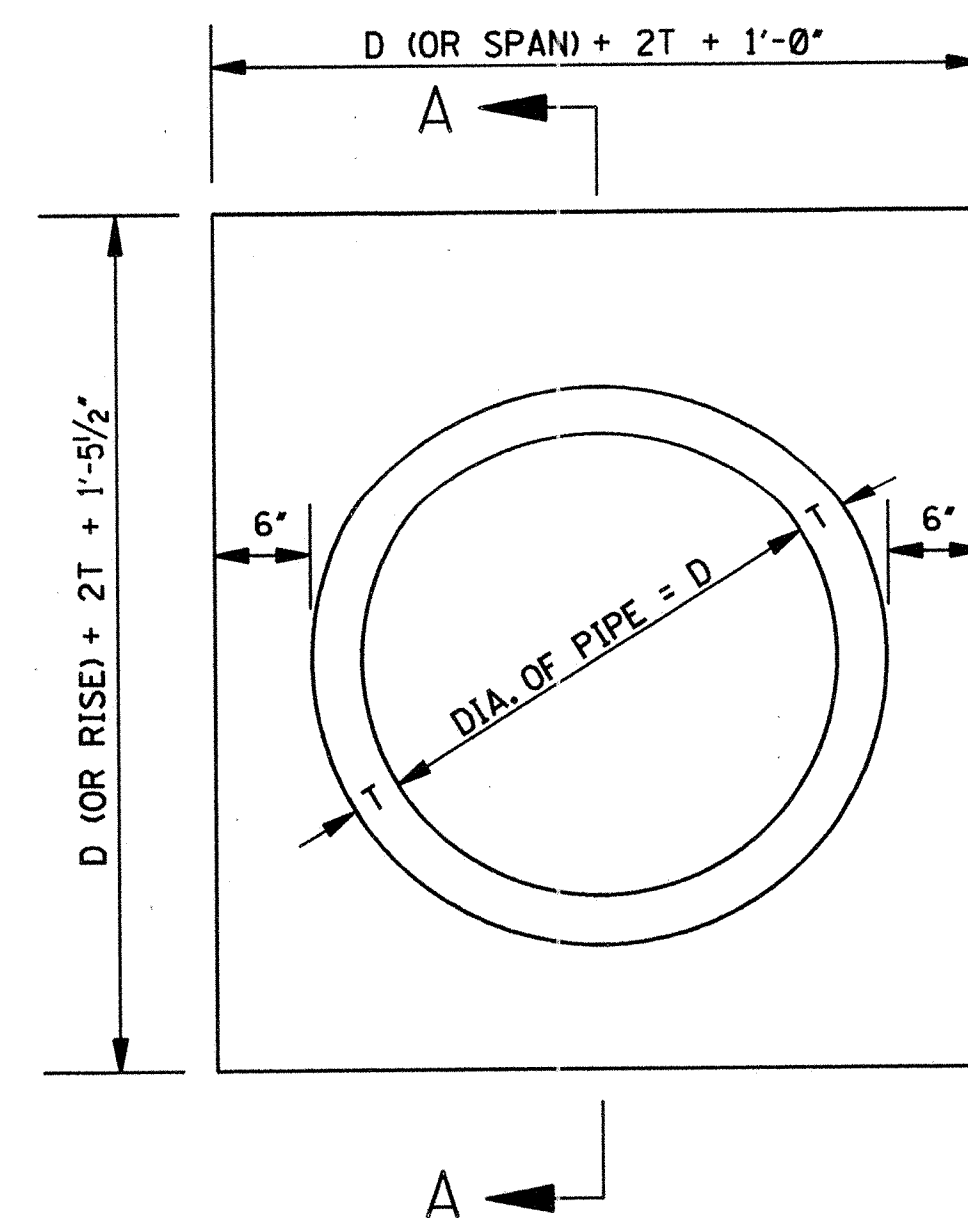
BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
REVISION		ROADWAY DESIGN DIVISION	
DATE		STANDARD PLAN	
		BREAKAWAY SIGN SUPPORTS	
		WORKING NUMBER SN-6B	
		SHEET NUMBER 231	
ISSUE DATE:		OCTOBER 1, 1998	



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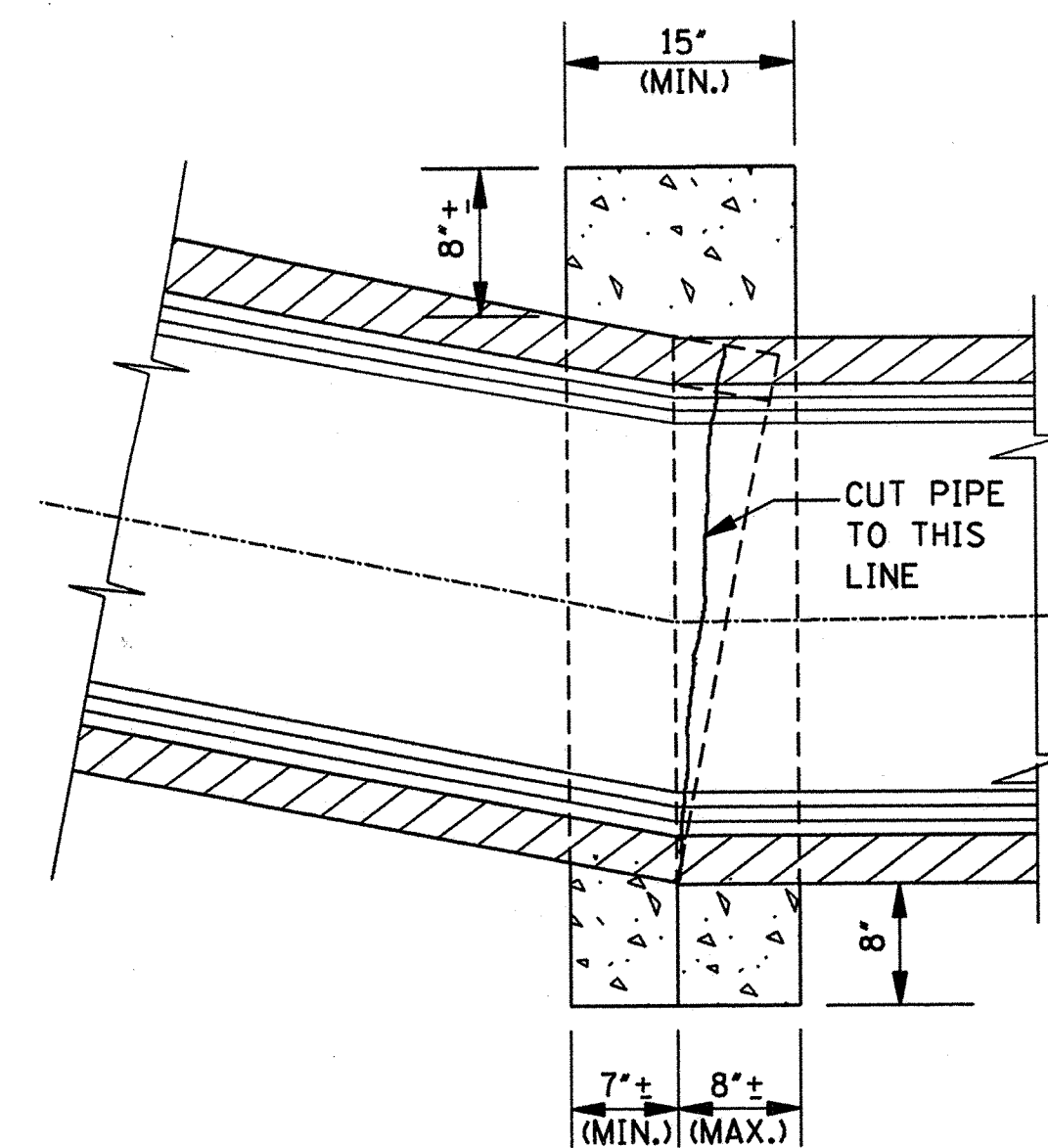


TYPICAL INSTALLATION FOR PIPE CULVERT WITH BROKEN FLOW LINE



ELEVATION OF CONCRETE COLLAR

NOTE: CIRCULAR PIPE IS SHOWN, ARCH PIPE IS SIMILAR.



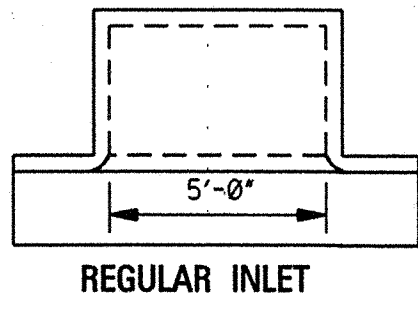
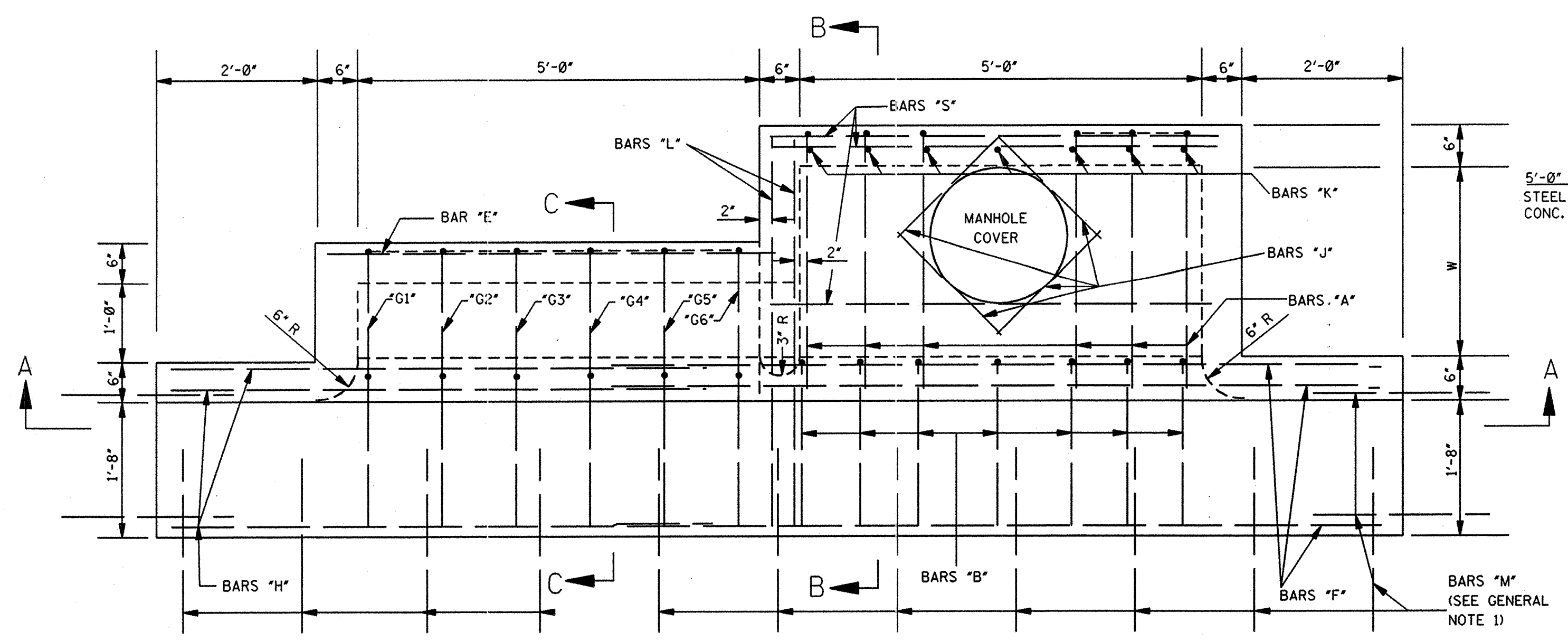
SECTION A-A

GENERAL NOTE:

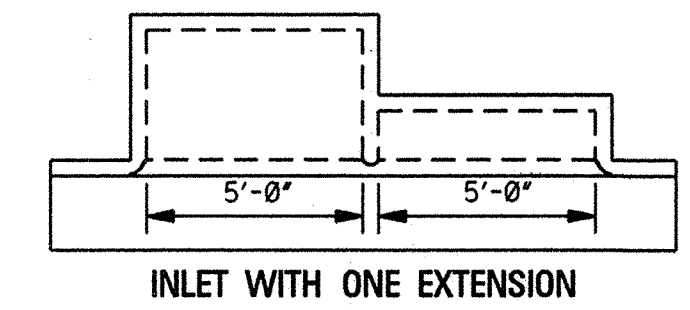
- THE FOLLOWING QUANTITIES SHALL BE THE BASIS FOR PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE:

QUANTITIES FOR CONCRETE COLLAR FOR PIPE CULVERTS			
CIRCULAR PIPE		ARCH PIPE	
DIA. OF PIPE	CLASS "B" CONCRETE (yd ³)	SIZE OF PIPE	CLASS "B" CONCRETE (yd ³)
12"	0.240		
15"	0.260	18 x 11	0.280
18"	0.320	22 x 13	0.310
24"	0.410	29 x 18	0.410
30"	0.510	36 x 23	0.490
36"	0.620	44 x 27	0.600
42"	0.730	51 x 31	0.690
48"	0.850	58 x 36	0.820
54"	0.980	65 x 40	0.920
60"	1.110	73 x 45	1.070
66"	1.248	88 x 54	1.366
72"	1.393		

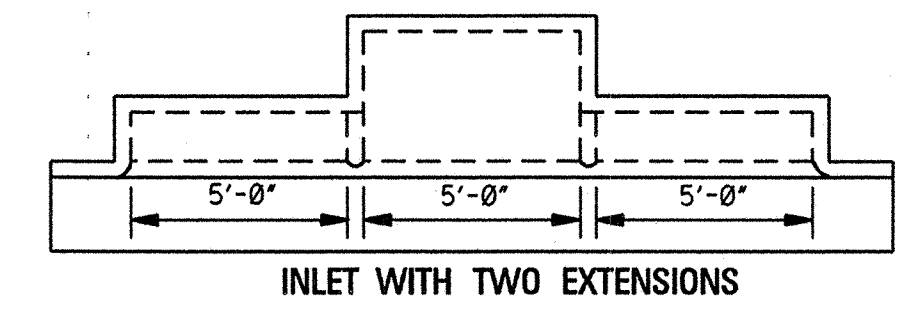
		BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
		REVISION		CONCRETE PIPE COLLAR	
		DATE			
		ISSUE DATE:		OCTOBER 1, 1998	
				 WORKING NUMBER PC-1 SHEET NUMBER 301	



5'-0" INLET
STEEL = 8.68W + 9.35Y + 3.79W' + 7.57H' + 121
CONC. = (WY + 5.5W + 6Y + 14.611)/27



10'-0" INLET
STEEL = 8.68W + 9.35Y + 3.79W' + 7.57H' + 231
CONC. = (WY + 5.5W + 6Y + 38.641)/27



15'-0" INLET
STEEL = 8.68W + 9.35Y + 3.79W' + 7.57H' + 341
CONC. = (WY + 5.5W + 6Y + 62.671)/27

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	yd ³ /ft	H	yd ³ /ft
2'-6"	0.315	3'-6"	0.315
3'-0"	0.333	4'-0"	0.333
3'-6"	0.352	4'-6"	0.352
4'-0"	0.371	5'-0"	0.370
4'-6"	0.389	5'-6"	0.389
5'-0"	0.408	6'-0"	0.408
5'-6"	0.426	6'-6"	0.426
6'-0"	0.445	7'-0"	0.445
6'-6"	0.463	7'-6"	0.463
7'-0"	0.481	8'-0"	0.482
7'-6"	0.499	8'-6"	0.500

QUANTITIES FOR ONE EXTENSION					
BAR	SIZE	LENGTH	SPACING	NUMBER	WEIGHT
"E"	#4	5'-8"	AS SHOWN	3	11
"G"	#4	SEE SCHEDULE	0'-11"	6	34
"H"	#6	6'-9"	AS SHOWN	5	51
"L"	#6	4'-9"	AS SHOWN	2	14
TOTAL STEEL FOR ONE EXTENSION = 110 lbs					
TOTAL CONCRETE FOR ONE EXTENSION = 0.89 yd ³					

NOTE: WHERE EXTENSION IS USED WITH CONCRETE PAVEMENT, ADD 27 LBS OF STEEL FOR BARS "M".

BAR "G" SCHEDULE	
BAR "G"	LENGTH
"G1"	7'-10"
"G2"	8'-0"
"G3"	8'-2"
"G4"	8'-5"
"G5"	8'-8"
"G6"	8'-10"

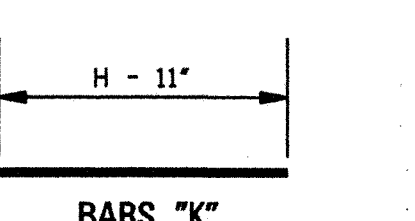
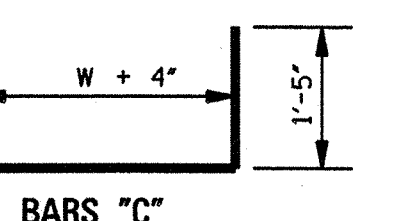
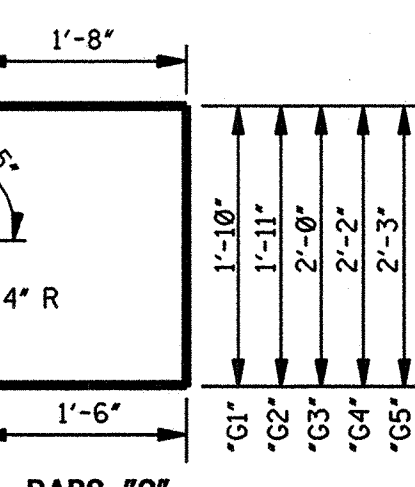
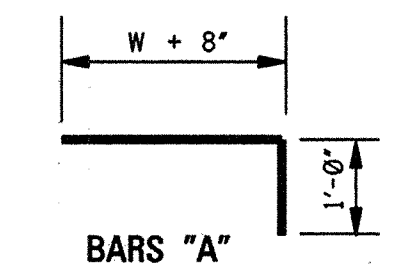
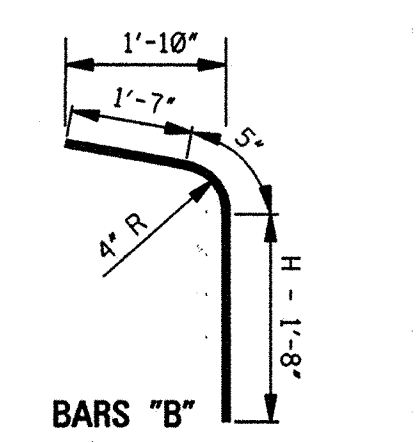
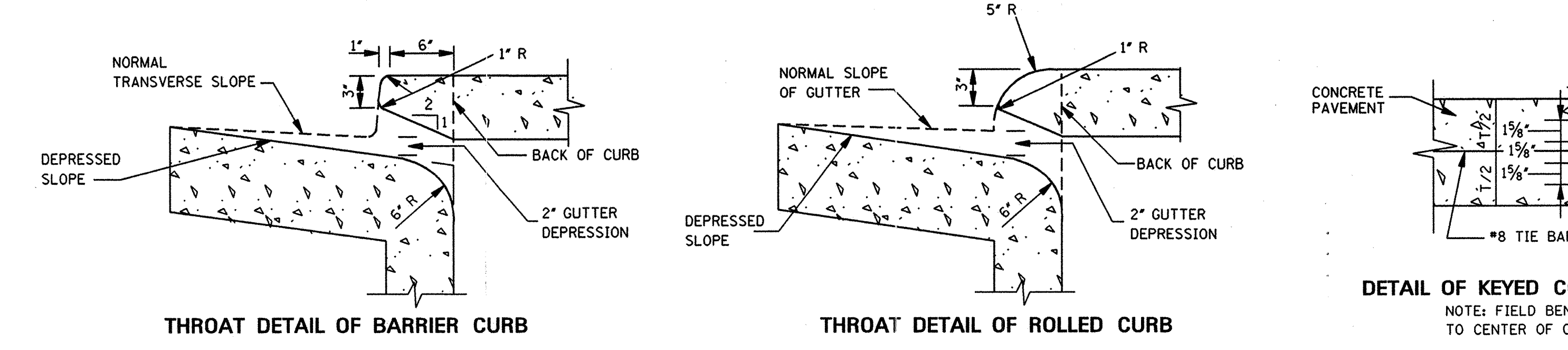
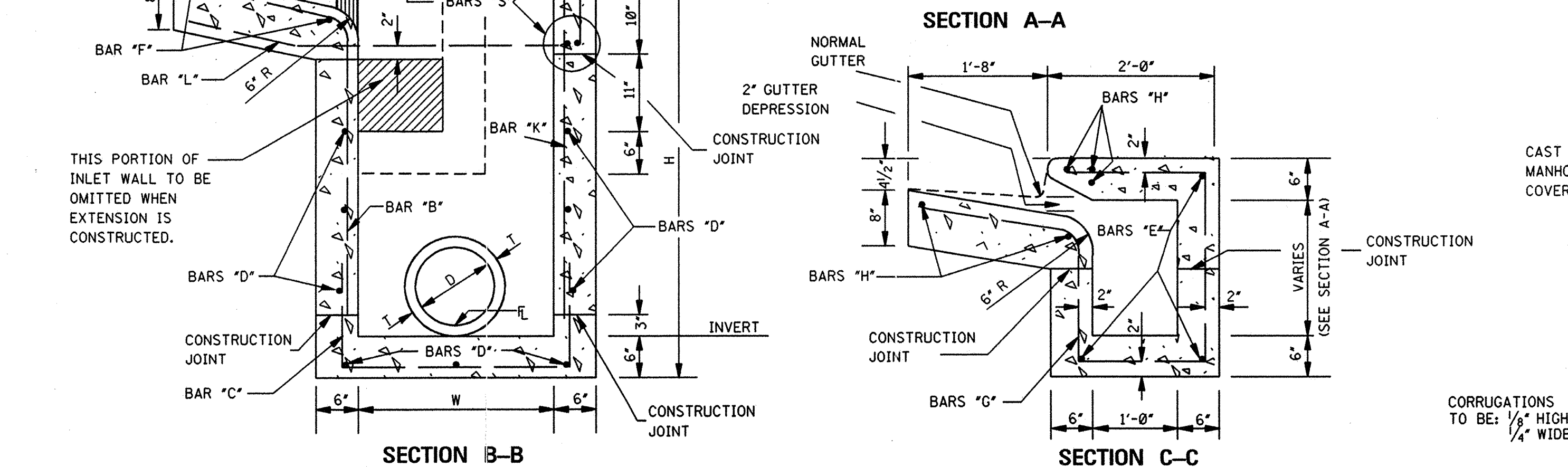
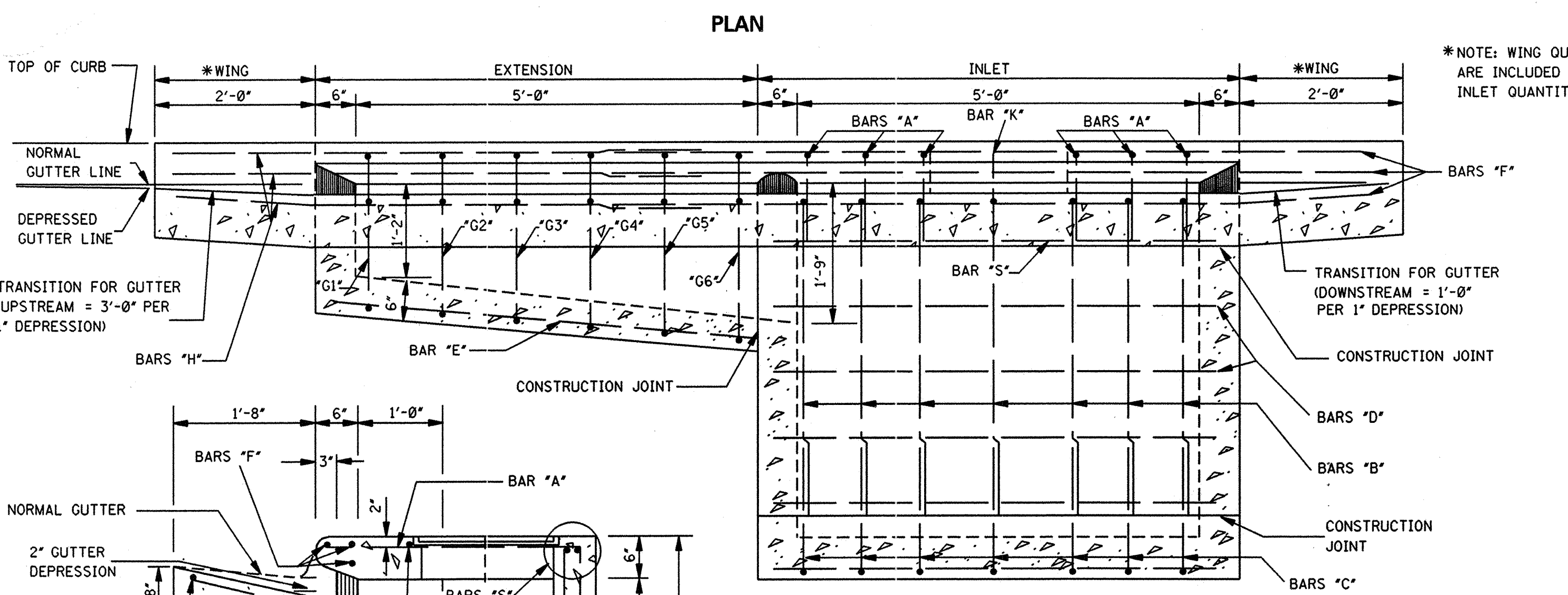
BILL OF REINFORCING STEEL FOR 1'-5'-0" INLET													
W=2'-6"		BAR "A"	BAR "C"	BAR "S"	BAR "D"	BAR "F"	BAR "J"	BAR "B"	BAR "K"	* TOTAL	TOTAL		
H	L	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	STEEL	CONC.	lbs	yd ³
3'-6"	6	17	7	27	5	19	5	19	5	19	5	19	1.99
4'-0"	6	17	7	27	5	19	7	26	5	19	7	26	2.15
4'-6"	6	17	7	27	5	19	7	26	5	19	7	26	2.31
5'-0"	6	17	7	27	5	19	9	34	5	19	9	34	2.47
5'-6"	6	17	7	27	5	19	9	34	5	19	9	34	2.62
6'-0"	6	17	7	27	5	19	11	42	5	19	11	42	2.78
6'-6"	6	17	7	27	5	19	11	42	5	19	11	42	2.94
7'-0"	6	17	7	27	5	19	13	49	5	19	13	49	3.10
7'-6"	6	17	7	27	5	19	13	49	5	19	13	49	3.25

BILL OF REINFORCING STEEL FOR 1'-5'-0" INLET													
W=3'-0"		BAR "A"	BAR "C"	BAR "S"	BAR "D"	BAR "F"	BAR "J"	BAR "B"	BAR "K"	* TOTAL	TOTAL		
H	L	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	STEEL	CONC.	lbs	yd ³
3'-6"	6	19	7	29	5	19	5	19	5	19	5	19	2.15
4'-0"	6	19	7	29	5	19	7	26	5	19	7	26	2.32
4'-6"	6	19	7	29	5	19	7	26	5	19	7	26	2.49
5'-0"	6	19	7	29	5	19	9	34	5	19	9	34	2.65
5'-6"	6	19	7	29	5	19	9	34	5	19	9	34	2.82
6'-0"	6	19	7	29	5	19	11	42	5	19	11	42	2.99
6'-6"	6	19	7	29	5	19	11	42	5	19	11	42	3.15
7'-0"	6	19	7	29	5	19	13	49	5	19	13	49	3.32
7'-6"	6	19	7	29	5	19	13	49	5	19	13	49	3.49

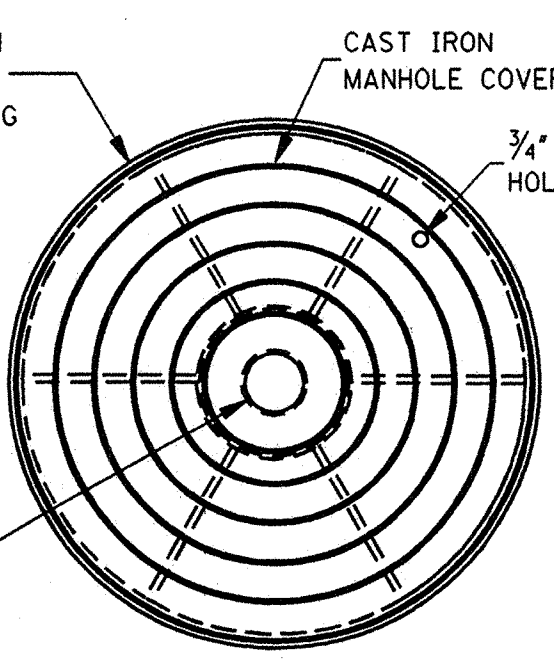
BILL OF REINFORCING STEEL FOR 1'-5'-0" INLET													
W=3'-6"		BAR "A"	BAR "C"	BAR "S"	BAR "D"	BAR "F"	BAR "J"	BAR "B"	BAR "K"	* TOTAL	TOTAL		
H	L	NO.	lbs	NO.	lbs	NO.	lbs	NO.	lbs	STEEL	CONC.	lbs	yd ³
3'-6"	6	21	7	31	5	19	6	23	5	19	6	23	2.31
4'-0"	6	21	7	31	5	19	8	30	5	19	8	30	2.49
4'-6"	6	21	7	31	5	19	8	30	5	19	8	30	2.66
5'-0"	6	21	7	31	5	19	10	38	5	19	10	38	2.84
5'-6"	6	21	7	31	5	19	10	38	5	19	10	38	3.01
6'-0"	6	21	7	31	5	19	12	45	5	19	12	45	3.19
6'-6"	6	21	7	31	5	19	12	45	5	19	12	45	3.37
7'-0"	6	21	7	31	5	19	14	53	5	19	14	53	3.54
7'-6"	6	21	7	31	5	19	14	53	5	19	14	53	3.72

* NOTE: WHERE INLET IS USED WITH CONCRETE PAVEMENT, ADD 73 LBS OF STEEL FOR BARS "M".

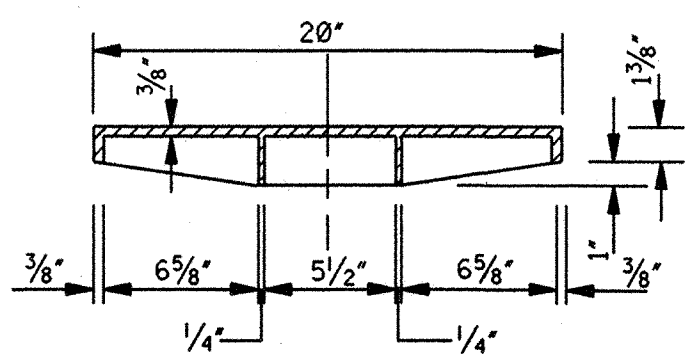
- GENERAL NOTES:
- WHERE INLET OR INLET WITH EXTENSION(S) IS USED WITH CONCRETE PAVEMENT WITH INTERGRAL CURB, THE PAVEMENT IS TO BE BLOCKED OUT TO THE DIMENSIONS AS SHOWN FOR THE GUTTER PORTION OF THE INLET OR INLET WITH EXTENSION(S). THE PORTION BLOCKED OUT SHALL BE PLACED INTEGRAL WITH THE TOP OF THE INLET OR INLET WITH EXTENSION(S). #8 DEFORMED BARS 30" LONG SHALL BE PLACED ON 18" CENTERS AT THE CENTER OF THE PAVEMENT. THESE BARS SHALL EXTEND INTO THE GUTTER PORTION OF THE INLET OR INLET WITH EXTENSION(S) 15". THE CONSTRUCTION JOINT BETWEEN THE CONCRETE PAVEMENT AND THE INLET OR INLET WITH EXTENSION(S) SHALL BE A KEYED JOINT AS SHOWN. A SMOOTH CONSTRUCTION JOINT WILL NOT BE PERMITTED. QUANTITIES FOR BLOCKED OUT AREA OF PAVEMENT SHALL BE INCLUDED IN QUANTITIES FOR INLET OR INLET WITH EXTENSION(S).
 - THE STANDARD SPECIFICATIONS ADOPTED BY THE MISSISSIPPI DEPARTMENT OF TRANSPORTATION SHALL APPLY TO ALL ITEMS ON THIS SHEET.
 - THE QUANTITIES SHOWN, MINUS VOLUMETRIC DISPLACEMENT OF CONCRETE BY PIPE CULVERTS THROUGH INLET WALLS, WILL BE USED AS THE BASIS OF FINAL PAYMENT UNLESS THIS PLAN IS MODIFIED.
 - FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLE ARE INCREMENTS OF 6". BUT ANY DEPTHS OTHER THAN THOSE SHOWN MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS, FALLING WITHIN THE LIMITS OF THE TABLE, MAY BE FOUND BY INTERPOLATION.
 - FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMMODATE STORM SEWER. NO DEDUCTIONS ARE TO BE MADE IN STEEL QUANTITIES.



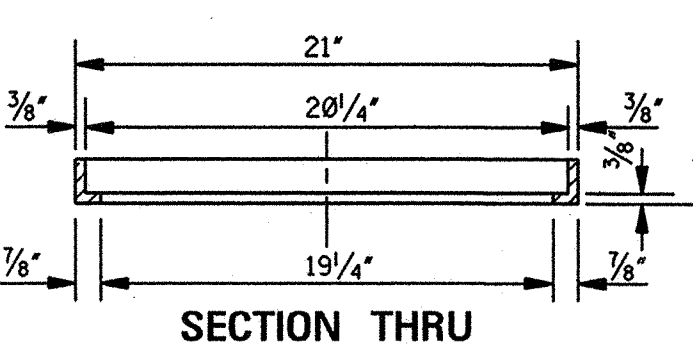
BAR DETAILS



PLAN



SECTION THRU MANHOLE COVER

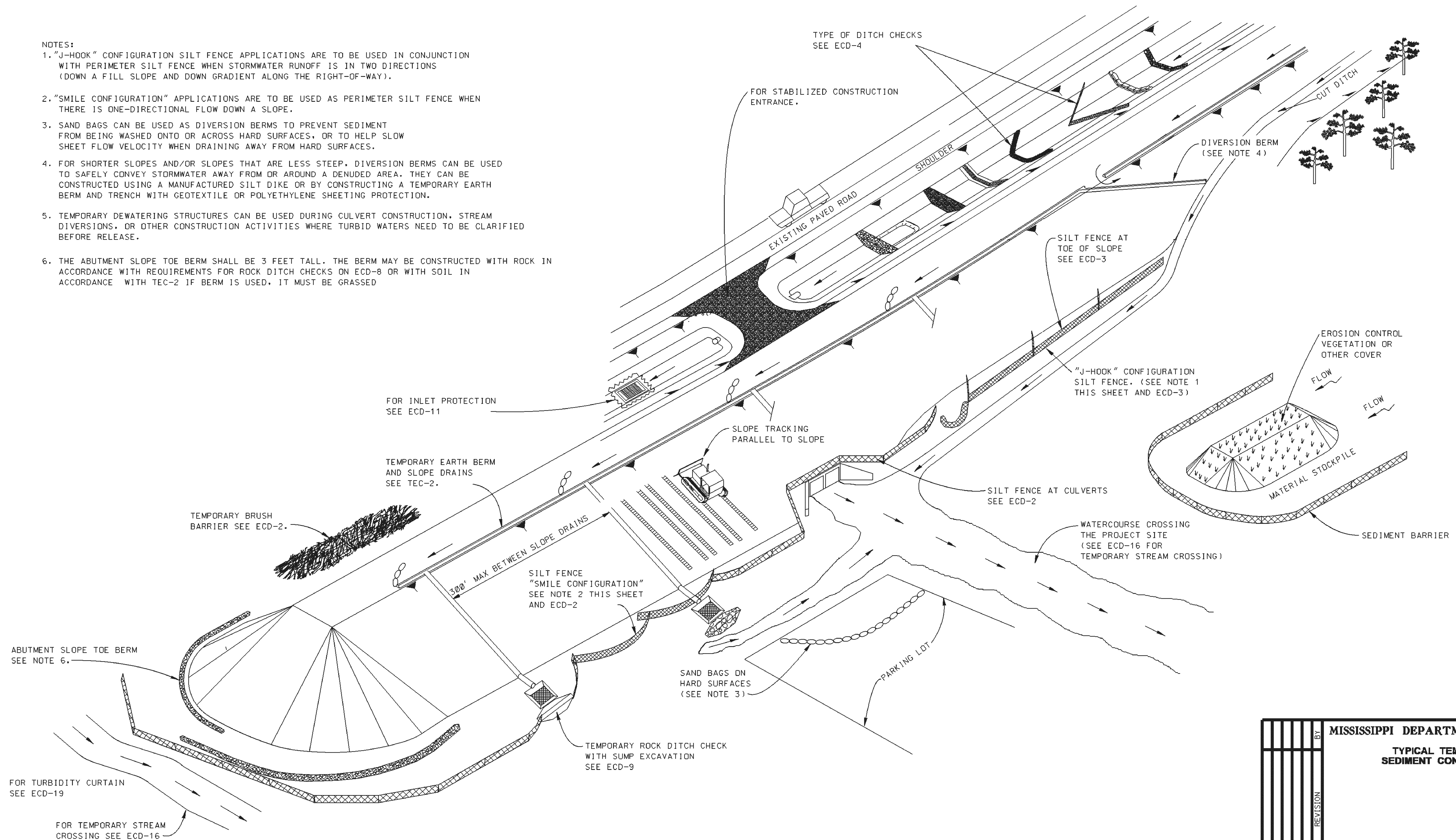


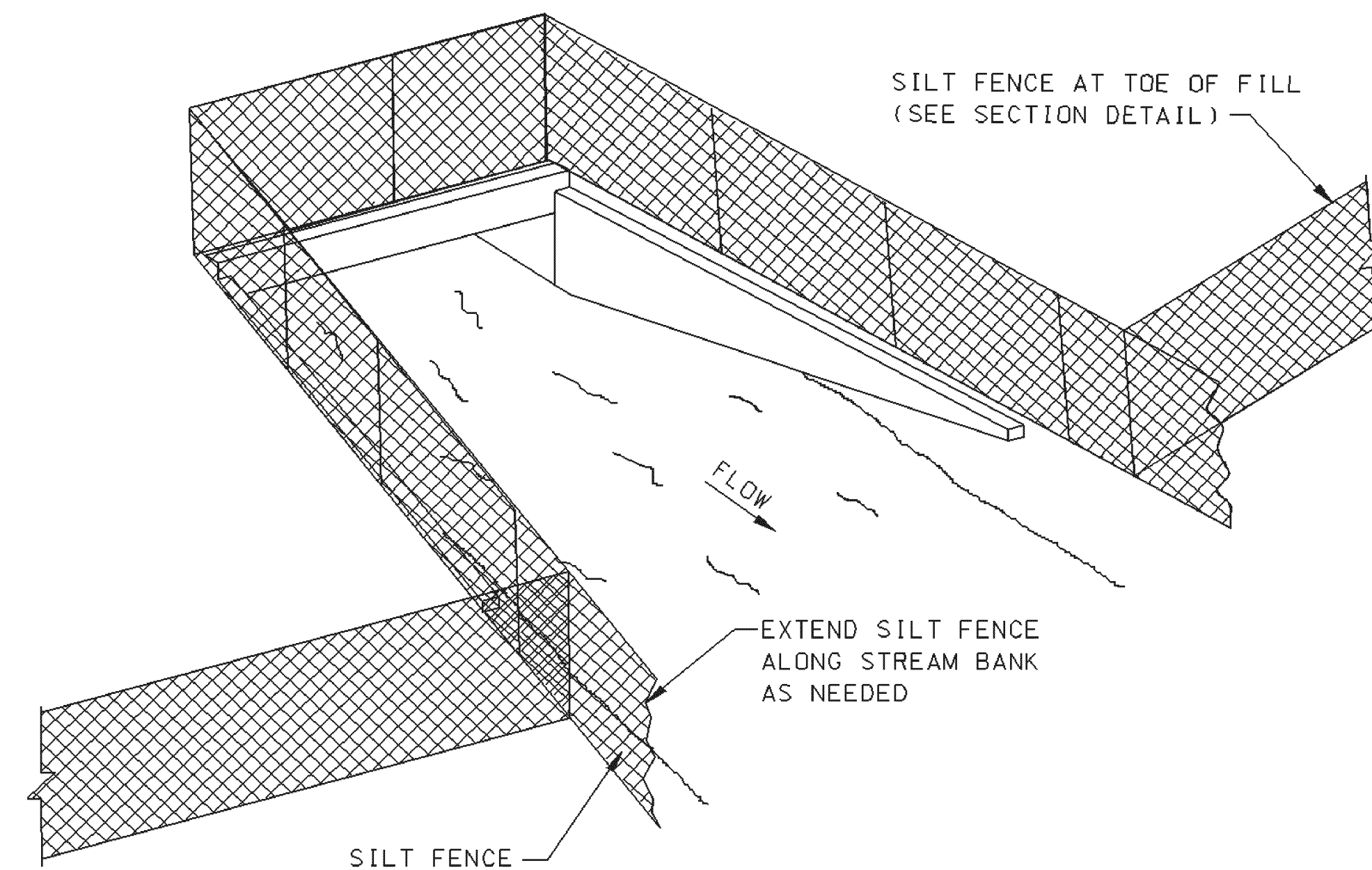
SECTION THRU MANHOLE COVER RING

DETAIL OF KEYED CONSTRUCTION JOINTS
NOTE: FIELD BEND BARS "L" TO CENTER OF GUTTER SECTION

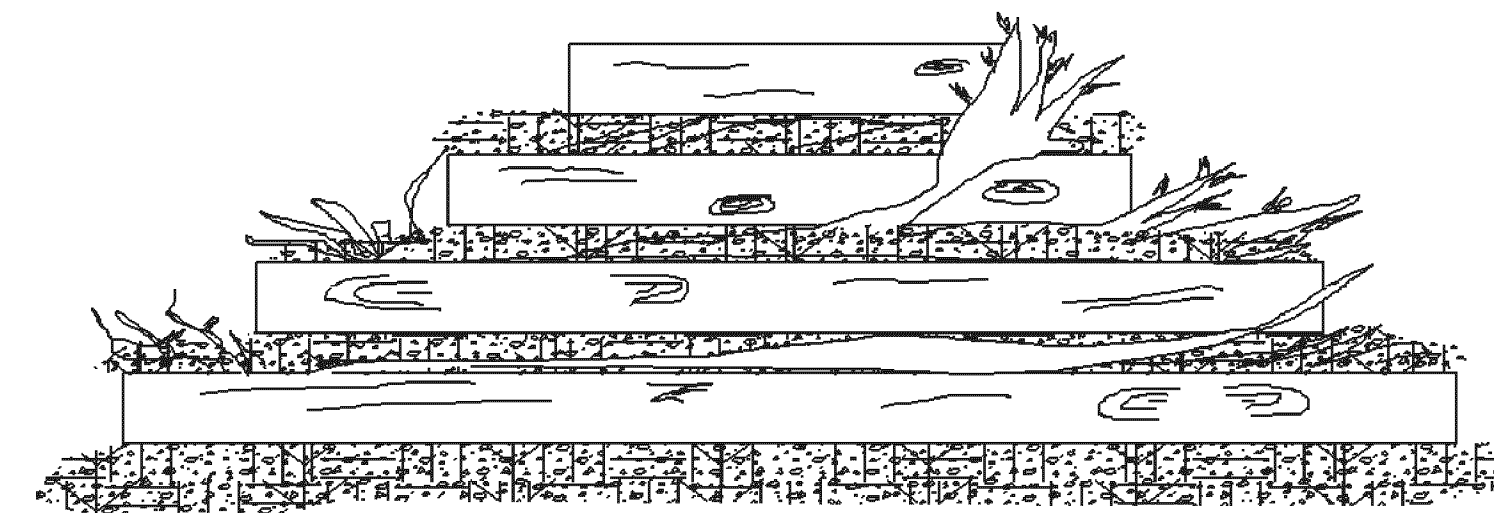
BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
REVISION	ROADWAY DESIGN DIVISION
DATE	STANDARD PLAN
	STORM SEWER STRUCTURE
	TYPE SS-2
	WORKING NUMBER
	SS-2
	SHEET NUMBER
	322
	ISSUE DATE: OCTOBER 1, 1998

- 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 DENUEED AREA. THEY CAN BE CONSTRUCTED USING A MANUFACTURED SILT DIKE OR BY CONSTRUCTING A TEMPORARY EARTH BERM AND TRENCH WITH GEOTEXTILE OR POLYETHYLENE SHEETING PROTECTION.
 5. TEMPORARY DEWATERING STRUCTURES CAN BE USED DURING CULVERT CONSTRUCTION. STREAM DIVERSIONS, OR OTHER CONSTRUCTION ACTIVITIES WHERE TURBID WATERS NEED TO BE CLARIFIED BEFORE RELEASE.
 6. THE ABUTMENT SLOPE TOE BERM SHALL BE 3 FEET TALL. THE BERM MAY BE CONSTRUCTED WITH ROCK IN ACCORDANCE WITH REQUIREMENTS FOR ROCK DITCH CHECKS ON ECD-8 OR WITH SOIL IN ACCORDANCE WITH TEC-2 IF BERM IS USED, IT MUST BE GRASSED

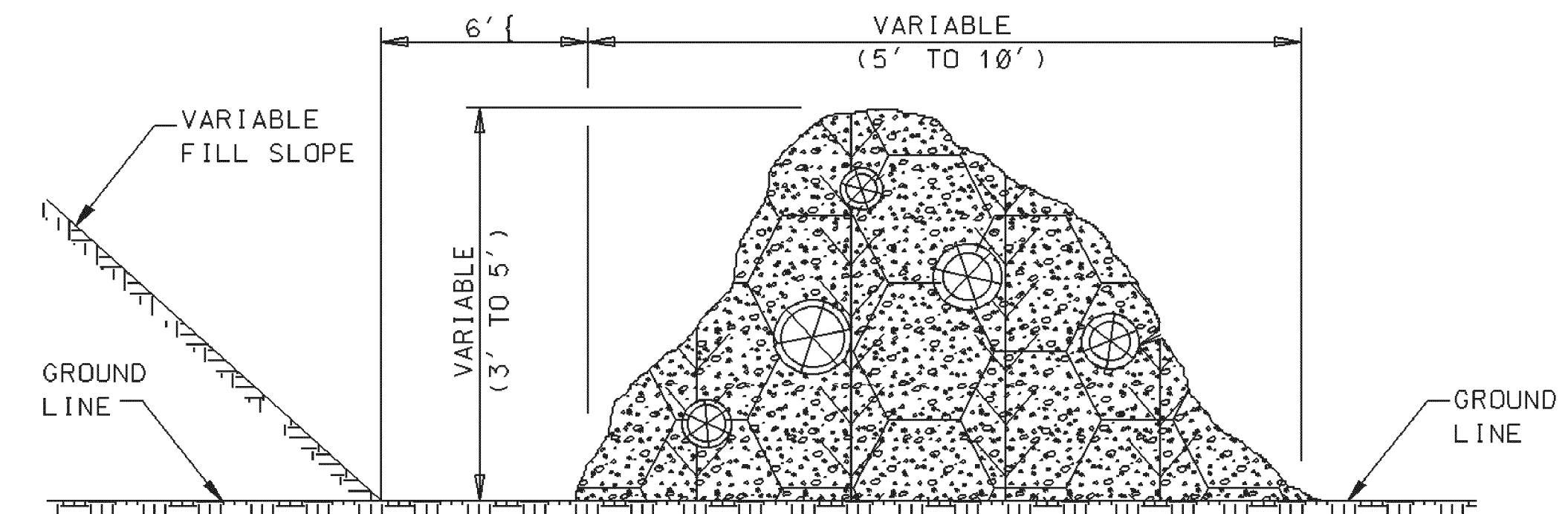
[illegible]



SEDIMENT BARRIER AT CROSS DRAIN



FRONT ELEVATION



SIDE ELEVATION

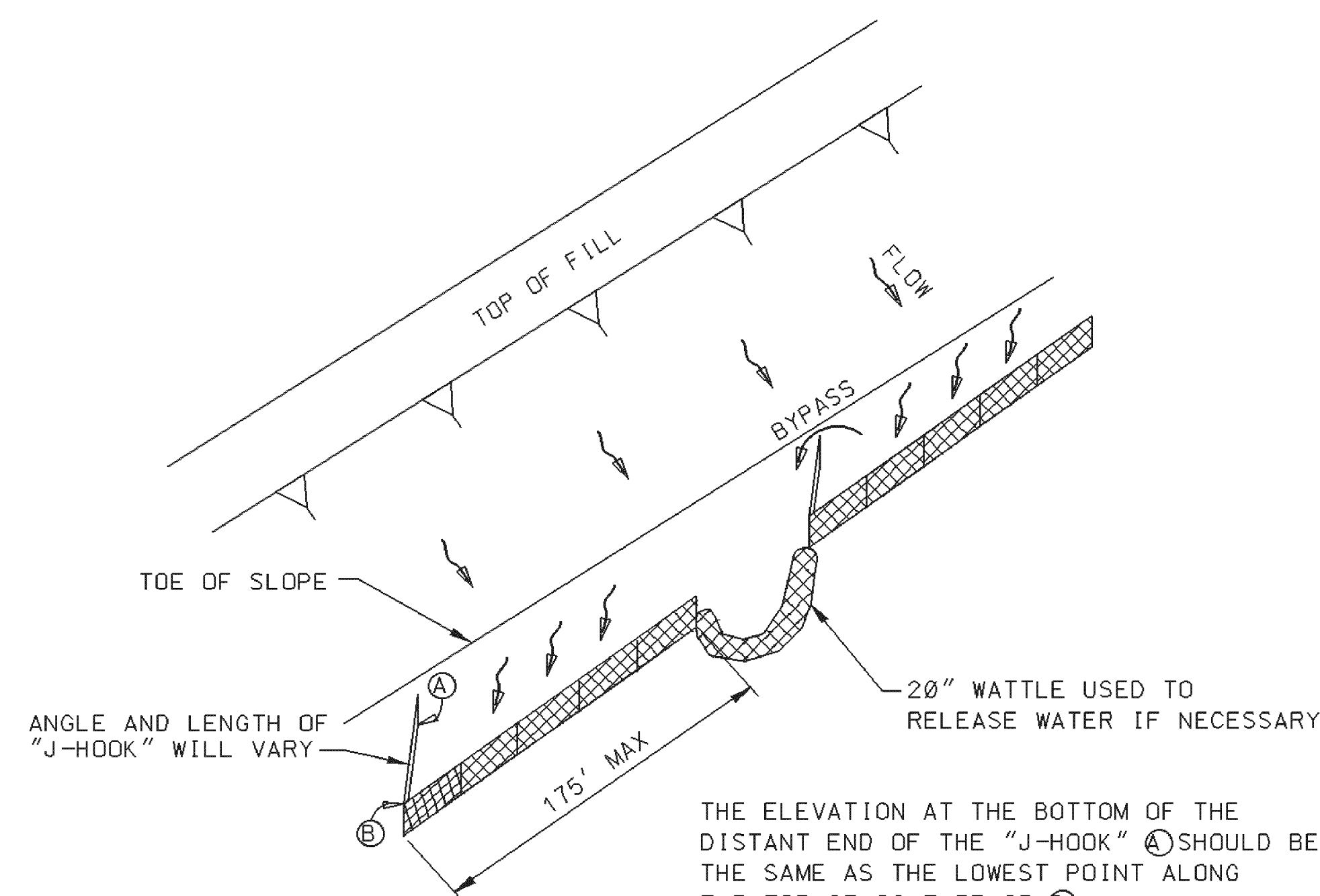
TEMPORARY BRUSH BARRIER

NOTES:

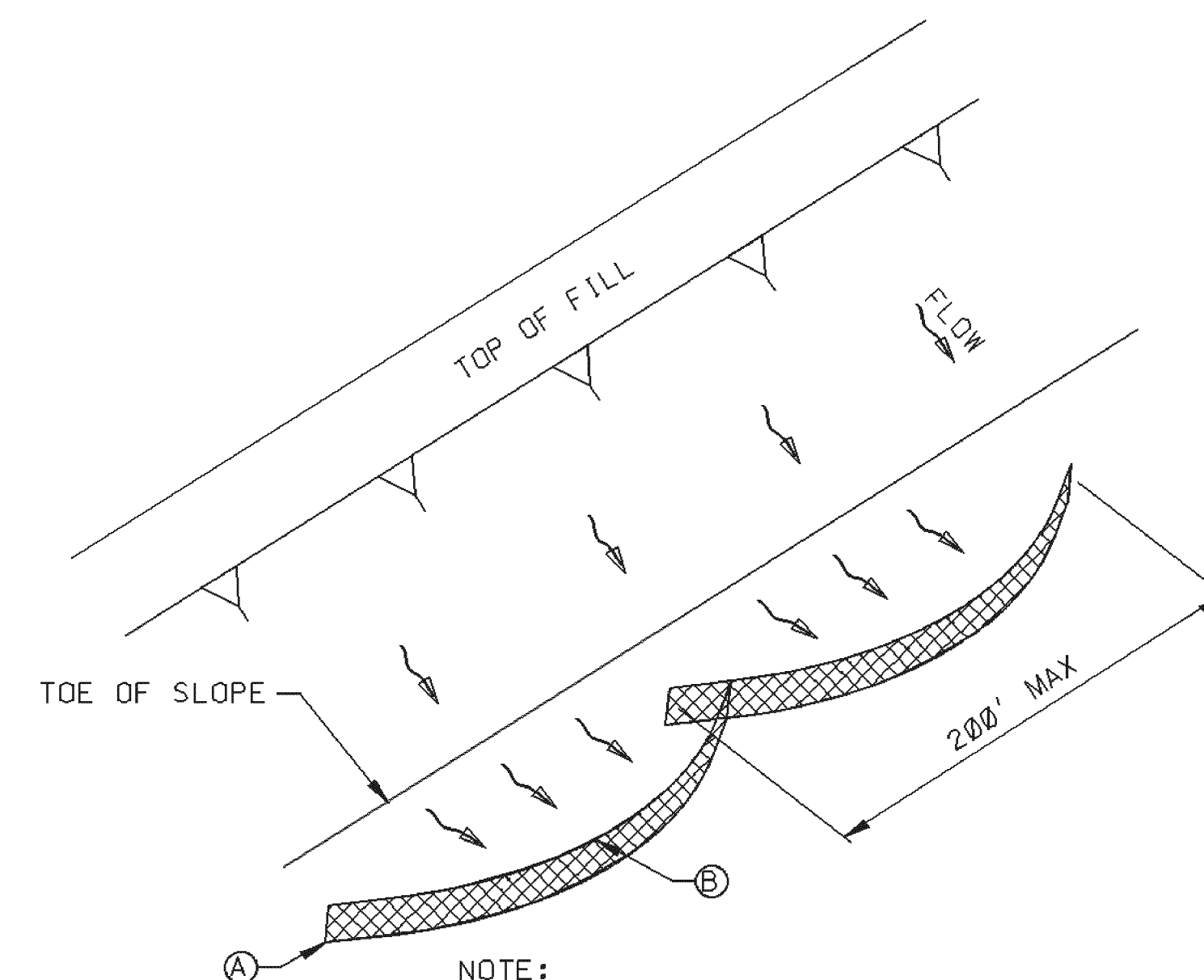
1. BRUSH BARRIER MAY BE USED WHERE NATURAL GROUND IS LEVEL OR SLOPING AWAY FROM PROJECT.
2. PLACE BRUSH, LOG AND TREE LAPS APPROXIMATELY PARALLEL TO TOE OF FILL SLOPE WITH SOME OF THE HEAVIER MATERIALS BEING PLACED ON TOP TO PROPERLY SECURE THE BARRIER AS DETAILED AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED OR PERMITTED BY THE ENGINEER.
3. TO ALLOW WATER TO SEEP THROUGH BRUSH BARRIER, INTERMINGLE THE BRUSH, LOG AND TREE LAPS SO AS NOT TO FORM A SOLID DAM.
4. THE BRUSH BARRIER MAY BE CHOKED WITH FILTER FABRIC.
5. TEMPORARY BRUSH BARRIER WILL NOT BE MEASURED FOR SEPERATE PAYMENT

NOTE:

1. ANCHOR AND INSTALL SILT FENCE PER DETAILS SHOWN ON ECD-3



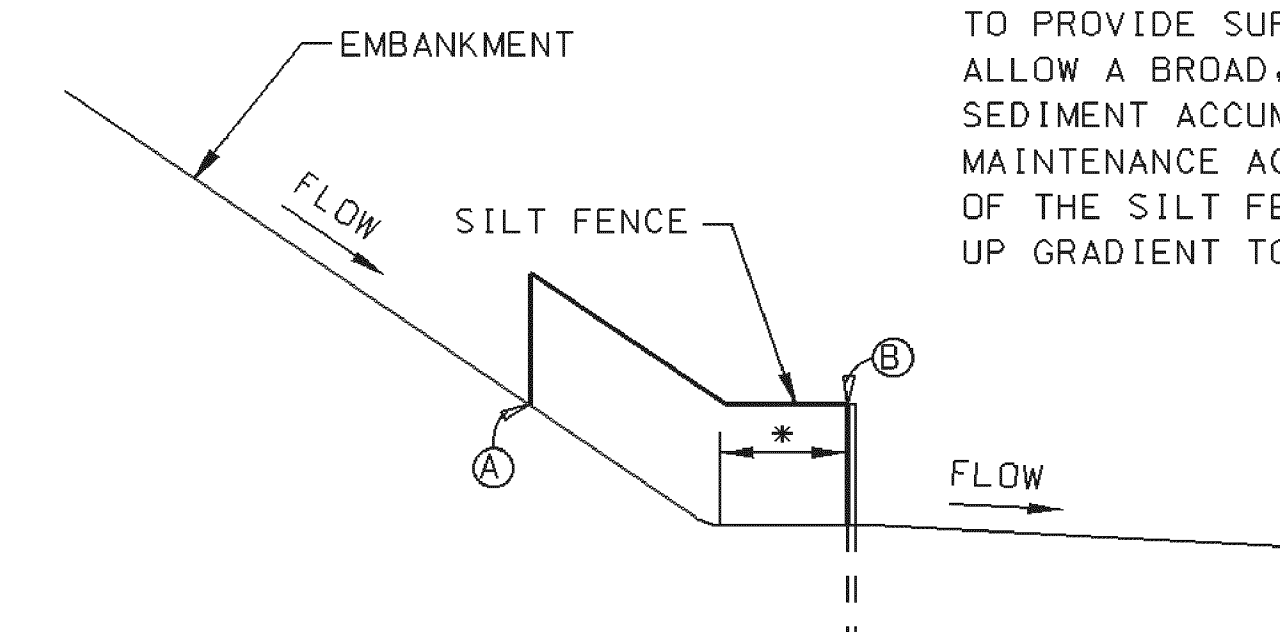
"J-HOOK" SILT FENCE APPLICATION



"SMILE-CONFIGURATION" SILT FENCE APPLICATION

NOTE:

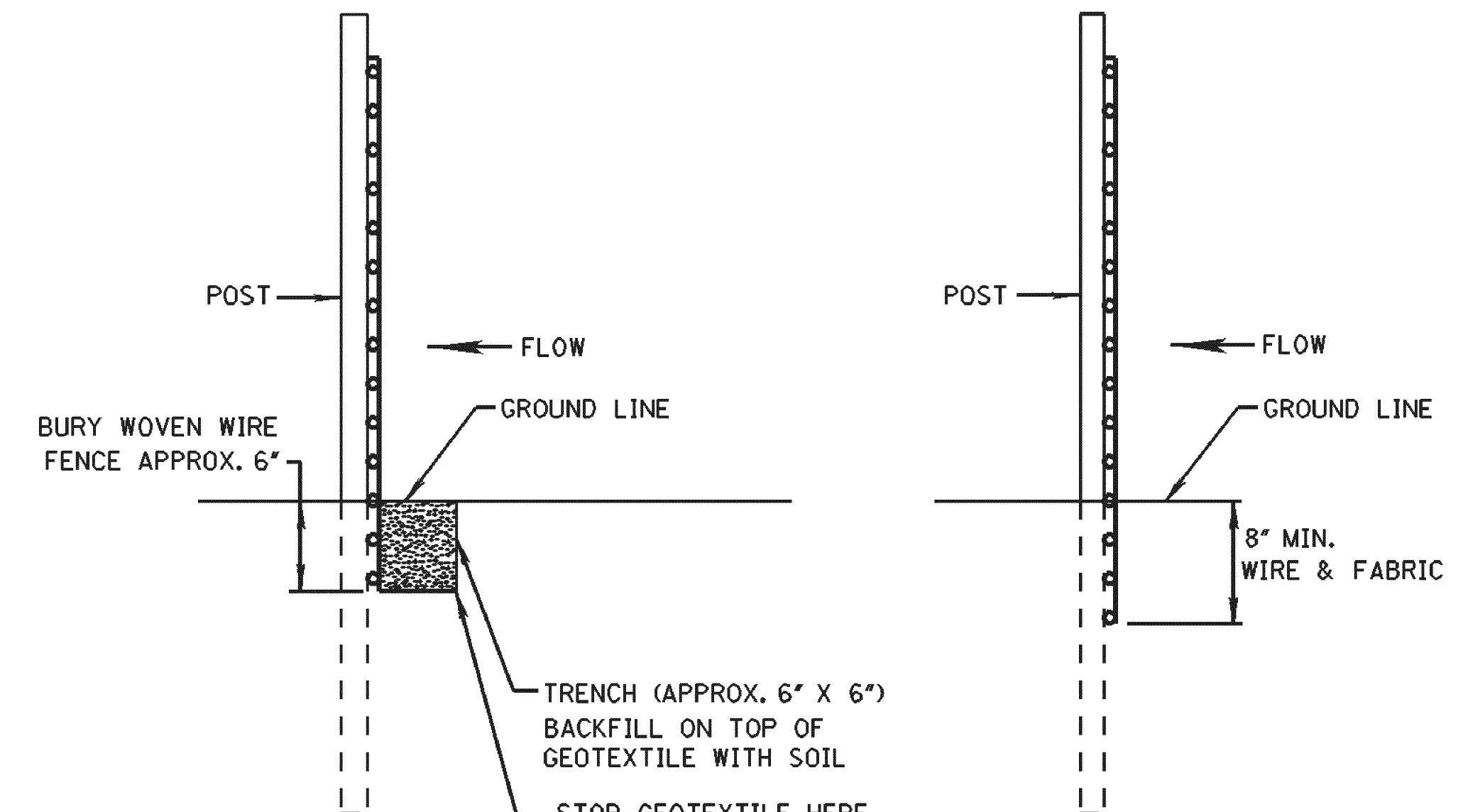
1. EL. (A) = EL. (B) TO MAXIMIZE STORAGE.



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	
REVISION		DETAILS OF SEDIMENT BARRIER APPLICATIONS	
DATE		WORKING NUMBER ECD-2	
DESIGN TEAM		SHEET NUMBER	
CHECKED		FILENAME: EROSION CONTROL\ECD-2.DGN	
DATE			



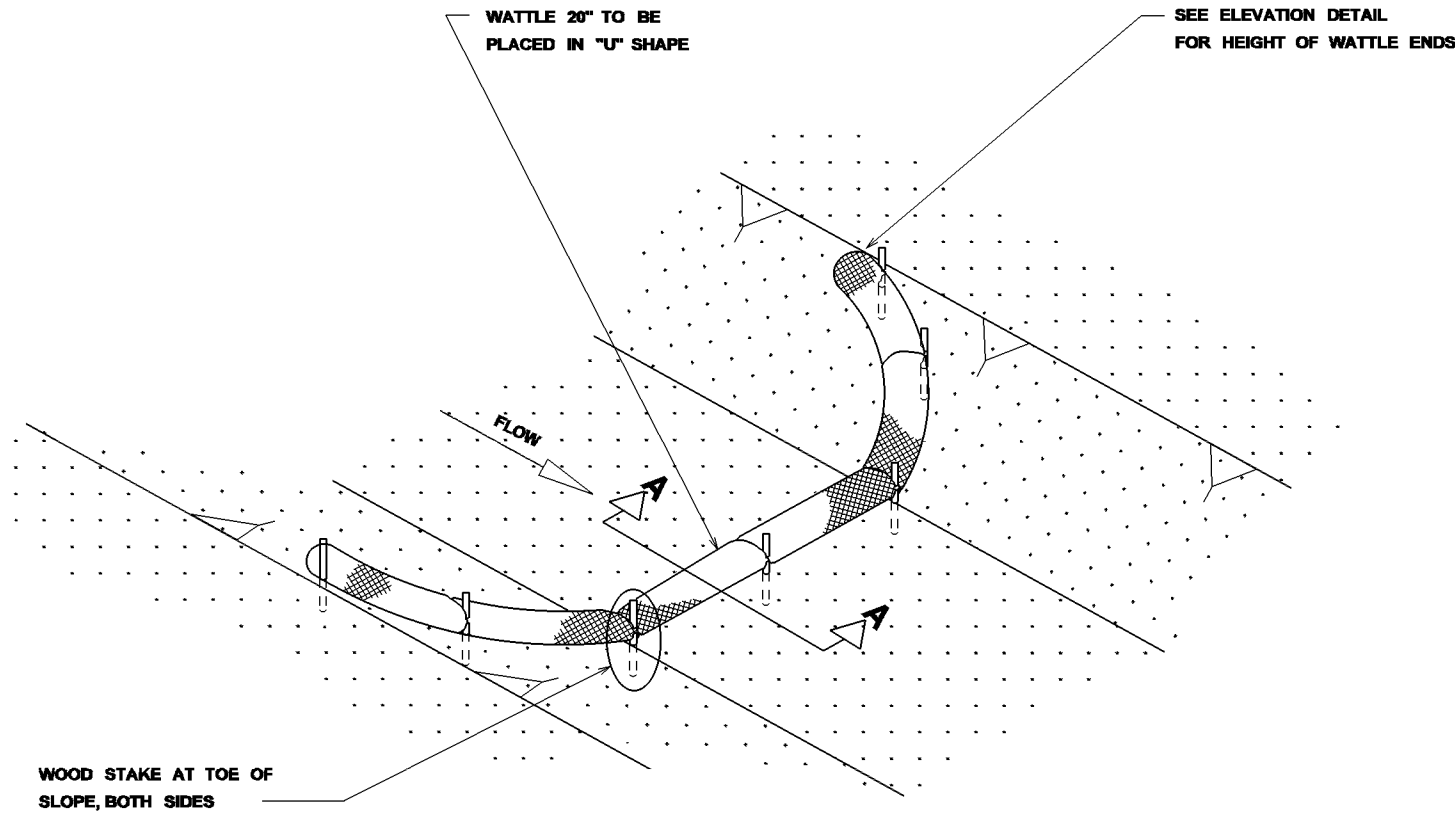
METHOD II

MECHANICAL INSTALLATION

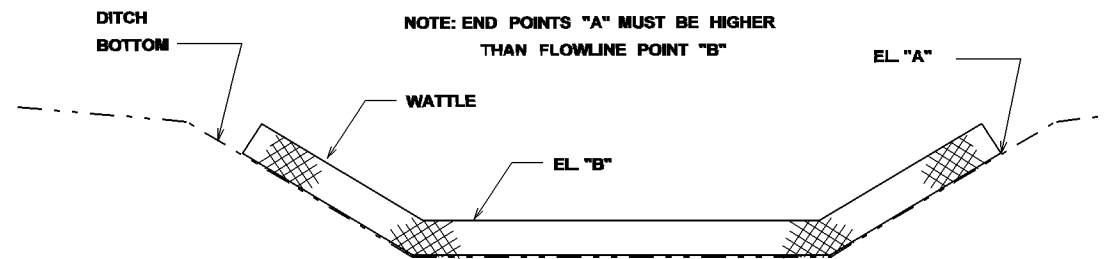
PLAN VIEW

REQUIRED LAPPING

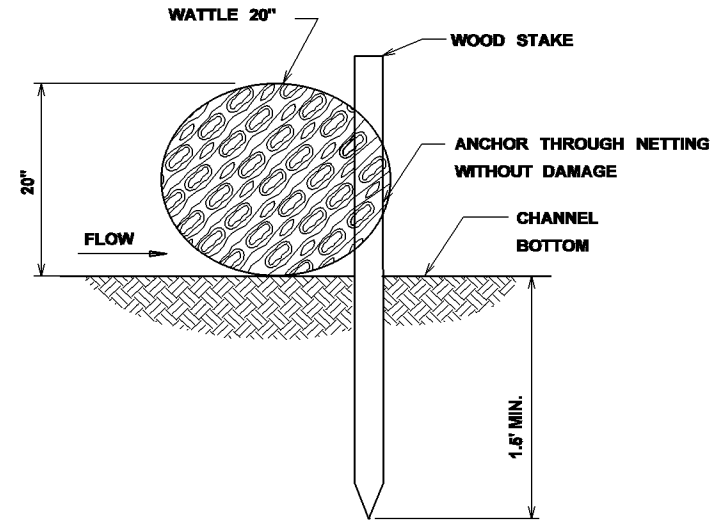




DETAIL (DITCH CHECK)



ELEVATION DETAIL



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.

WATTLE DITCH CHECK SELECTION GUIDELINES

WATTLE DITCH CHECKS ARE APPROPRIATE FOR VELOCITY REDUCTION AND CONTROL OF SEDIMENT TRANSPORT UNDER LOW TO MEDIUM FLOW CONDITIONS.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILS OF EROSION CONTROL	
WATTLE DITCH CHECK	
DATE	REVISION
DESIGN TEAM	CHECKED
DATE	
FILENAME: EROSION CONTROL/ECD-6.DGN	WORKING NUMBER
	ECD-6
	SHEET NUMBER

ADVERTISEMENT FOR BIDS

GORDON'S CREEK – DOWNTOWN DISTRICT

CITY OF HATTIESBURG, MISSISSIPPI

Sealed bids will be received by the City of Hattiesburg, at the City Clerk's office, Mississippi, hereafter referred to as Owner, located at 200 Forrest Street, Hattiesburg, Mississippi, 39401, until 10:00 A.M., Local Time, Thursday, **March 13, 2014** for supplying all labor, equipment, and materials (as specified) necessary for the construction of the above referenced project. Work consists of constructing a multi-use path along Gordon's Creek from Ronie Street to Main Street, constructing a small boardwalk along Gordon's Creek near the intersection of Walnut Street and Buschman Street, decorative steel fencing, landscape improvements, and installing a pre-fabricated pedestrian bridge across Gordon's Creek.

The above general outline of features of the work does not in any way limit the responsibility of the Contractor to perform all work and furnish all labor, equipment and materials required by the specifications and the drawings referred to therein.

Contract time shall be **from April 14, 2014 to June 30, 2014** and confirmed in the Notice to Proceed. Liquidated damages will be assessed in the amount of five hundred dollars (\$500) per day for each consecutive calendar day beyond the specified contract time. Additionally, liquidated damages in the amount of \$377,500 minus the Contractor's Job to date Billings plus the contractor's job to date retainage will be assessed as a lump sum payment for time beyond the specified contract time.

Bidder must be qualified under Mississippi Law and show current Certificate of Responsibility issued by the Mississippi State Board of Public Contractors establishing his classification as to the value and type of construction on which he is authorized to bid.

Each Bidder shall write his Certificate of Responsibility Number on the outside of the sealed envelope containing his proposal.

Proposals shall be submitted in duplicate, sealed and deposited with the Owner prior to the hour and date hereinbefore designated. No bidder may withdraw his bid within 90 days after the actual date of the opening thereof.

Each Bidder must submit with his proposal a separate attachment stating his qualifications to perform the work. The Statement of Qualifications shall list past projects of similar size and nature, a list of references with name and telephone number, a list of key personnel who will perform the work, and other information supporting the bidder's qualifications.

Awarding public contracts to non-resident Bidders will be on the same basis as the non-resident bidder's state awards contracts to Mississippi Contractors bidding under similar circumstances. In order to ensure that Mississippi's so-called Golden Rule is followed state law requires a non-resident bidder is to attach to his bid a copy of his resident state's current laws pertaining to such state's treatment of non-resident contractors.

Each Bidder must deposit with his proposal, a Bid Bond or Certified Check in an amount equal to five percent of his bid, payable to the Owner, as bid security. Bidders shall also submit a current financial statement, if

requested, by the Owner. The successful bidder will be required to furnish a Payment Bond and Performance Bond each in the amount of 100 percent of the contract amount.

Copies of the Instructions to Bidders, Bid Forms, Contract Drawings and Contract Specifications (with the exception of the Mississippi Standard Specifications for Road and Bridge Construction) may be procured at the office of the Engineer, Neel-Schaffer located at 704 Hardy Street, Hattiesburg, Mississippi 39401 between the hours of 8:00 A.M. and 5:00 P.M., Local Time, Monday through Friday, upon payment of \$150.00 for each set, which will not be refunded. Checks are to be made payable to the Engineer.

"Mississippi Standard Specifications for Road and Bridge Construction, 2004 Edition" as referred to herein, may be purchased from the Mississippi Department of Transportation.

The Owner hereby notifies all Bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged and women's business enterprises will be afforded the full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

A Pre-Bid Meeting will be held on Thursday, March 6, 2014 at 10:00 a.m. at the City Clerk's office located at 200 Forrest Street, Hattiesburg, Mississippi. Prospective bidders are encouraged to attend the meeting.

The Engineer is Neel-Schaffer, Inc., 704 Hardy Street, Hattiesburg, Mississippi 39401; Phone No. (601) 545-1565, Fax No. (601)-545-2267. Geoffrey P. Crosby, P.E. - Project Engineer

The Owner reserves the right to reject any and all bids and to waive any informalities or irregularities therein.

BY: *Cornie Everett (dc)*
City Clerk
City of Hattiesburg Mississippi

DATES OF PUBLICATION:

February 7, 2014

February 14, 2014



City of Hattiesburg, MS

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

Master

File Number: 2014-0887

File ID: 2014-0887

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 01/24/2014

Brief Title: Buy back of grave space from Barbara J. Childs.

Final Action:

Minute Book Number: MB2014-38

Title:

Approve the City's purchase of one (1) grave space located in the South Half(S1/2) Southeast Quarter(SE1/4) Lot 109, Section 23, in the Highland Cemetery, recorded at MB 2011-1/140, in the amount of \$175.00 to Barbara Jean Childs; authorize a manual check for the same.

Notes:

Sponsors:

Enactment Date:

Attachments: Supporting Docs for Barbara J Childs

Enactment Number:

Contact:

Meeting Date:

Drafter: Kermas Eaton

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014					

Text of Legislative File 2014-0887

Title

Approve the City's purchase of one (1) grave space located in the South Half(S1/2) Southeast Quarter(SE1/4) Lot 109, Section 23, in the Highland Cemetery, recorded at MB 2011-1/140, in the amount of \$175.00 to Barbara Jean Childs; authorize a manual check for the same.

Summary

Grave space buy back from Barbara J. Childs.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

January 17, 2014
To the Mayor and Council
to the City of Hattiesburg, Mississippi:

I, Barbara Jean Childs of 6850 Hayter Ct.,
Lakeland, FL, 33813, would like to
pled back to the City of Hattiesburg, MS the
Cemetery Home Spaces: $5\frac{1}{2}$ SE $\frac{1}{4}$ Lot No. 109
Section 23 in Highland Cemetery — for \$175.00 -
a check
Please mail ^{a check} to the above Florida Address.

Former address 317 Lamar Ave. Hattiesburg, MS

Cell 831-359-2831

mail TO:

P.O. Box 2056

H'burg MS 39403

CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES

Hattiesburg, Miss., 1-5 2011

SOLD TO:

Mr. Mrs. Miss

Barbara Jean Childs

ADDRESS

805 Hardy St. H'burg MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

S

SE

1/4 Lot No.

109

Section No.

23

in Highland Cemetery

Number of grave spaces

1

Price per grave space \$

175.00

Price Received \$

175.00

CITY OF HATTIESBURG, MISSISSIPPI



City of Hattiesburg, MS

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

Master

File Number: 2014-0894

File ID: 2014-0894

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 01/30/2014

Brief Title: CDBG Manual Checks

Final Action:

Minute Book Number: MB2014-38

Title:

Approve and authorize issuance of manual checks for CDBG Program Claims per attached memorandum. {Entitlement}

Notes:

Sponsors:

Enactment Date:

Attachments: MEMORANDUM-Manual Checks-CDBG, CDBG
Supporting Docs

Enactment Number:

Contact:

Meeting Date: 02/04/2014

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014					

Text of Legislative File 2014-0894

Title

Approve and authorize issuance of manual checks for CDBG Program Claims per attached memorandum. {Entitlement}

Summary

CDBG Manual Checks

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMORANDUM

TO: City of Hattiesburg Council Members

FROM: Andrew Ellard
Department of Federal & State Programs

SUBJECT: Authorize issuance of manual checks for CDBG Program claims

DATE: January 27, 2013

The following request for payment is being submitted for approval during the City Council's February 4, 2014 meeting. Please authorize and approve issuance of a manual check for the claims listed below:

Recipient:	Specialty Abatement
Activity:	Rehabilitation
Program:	CDBG
Project Site:	208 W 7 th St.
Amount Requested:	\$2,977.00
Purpose of Request:	Lead Abatement
Work Provided by:	Specialty Abatement

Recipient:	Bonner Analytical
Activity:	Rehabilitation
Program:	CDBG
Project Site:	208 W 7 th St.
Amount Requested:	\$187.80
Purpose of Request:	Lead Clearance Inspection
Work Provided by:	Bonner Analytical

Recipient:	Smith's Remodeling
Activity:	Rehabilitation
Program:	CDBG
Project Site:	208 W 7 th St.
Amount Requested:	\$10,000.00
Purpose of Request:	Draw #1
Work Provided by:	Smith's Remodeling

Recipient:	Southeast Mississippi Rural Health Initiative
Activity:	Public Service
Program:	CDBG
Project Site:	5488 US Hwy 49
Amount Requested:	\$851.82
Purpose of Request:	Draw #4 (final)
Work Provided by:	Southeast Mississippi Rural Health Initiative

Recipient:
Activity:
Program:
Project Site:
Amount Requested:
Purpose of Request:
Work Provided by:

First Tee of the Pinebelt
Public Service
CDBG
301 Barry Street
\$649.00
Draw #4 (final)
First Tee of the Pinebelt

Recipient:
Activity:
Program:
Project Site:
Amount Requested:
Purpose of Request:
Work Provided by:

Pinebelt Community Services
Emergency Repair
CDBG
136 Ruby Ave.
\$4,130.00
Draw #1
C & C Building Contractors

Recipient:
Activity:
Program:
Project Site:
Amount Requested:
Purpose of Request:
Work Provided by:

Pinebelt Community Services
Public Services
CDBG
1101 North Main St.
\$1,831.00
Draw #3 (part 1 of 2)
Incurred in 2013 (prior year draw)
Pinebelt Community Services

Recipient:
Activity:
Program:
Project Site:
Amount Requested:
Purpose of Request:
Work Provided by:

Pinebelt Community Services
Public Services
CDBG
1101 North Main St.
\$465.86
Draw #3 (part 2 of 2)
Incurred in 2014 (current year draw)
Pinebelt Community Services

Specialty Abatement Services, Inc.

Invoice

Please make your check payable to Specialty Abatement Services, Inc.,
And thank you for your business!

Tax ID # 64-0802333
Phone 601-264-5550

To

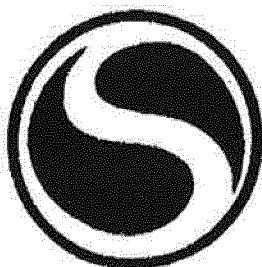
City of Hattiesburg
Department of Urban Development
PO Box 1898
Hattiesburg, MS 39403

Attn: Randy Jordan

Invoice No.**13-12078****Invoice Date****12/31/13****Amount Due****\$2,977.00****Description of
Services**

Lead Paint Abatement - Per Inspection & Proposal
208 West Seven Street

RJ
AB
2/24/14

Terms**Net 30 Days****Due date****02/22/14**

P. O. Box 15925
Hattiesburg, MS 39404-5925
601-264-5550
601-264-5344 Fax

BONNER ANALYTICAL

2703 Oak Grove Rd.
Hattiesburg, MS 39402

Invoice

Customer No.: HATT

Invoice No.: 54467

Bill To: **CITY OF HATTIESBURG**
ACCOUNTING DEPT
P O BOX 1898
HATTIESBURG, MS 39403-1898

Ship To: **CITY OF HATTIESBURG**
ATTN: RANDY JORDAN
P O BOX 1898
HATTIESBURG, MS 39403-1898

Date		Ship Via		F.O.B.		Terms	
01/09/14				Origin			
Purchase Order Number			Order Date		Sales Person		Our Order Number
			01/09/14				
Quantity			Item Number	Description	Unit Price	Amount	
Required	Shipped	B.O.					

1

1

LEAD BASED PAINT
CLEARANCE INSPECTION
PERFORMED 01-08-14 @
208 W. 7TH STREET

187.80

187.80

Invoice subtotal

187.80

Invoice total

187.80

[Signature]
[Signature]
2/24/14

Thank You

01-15-14P04:07 RCVD

SMITH'S REMODELING

OWNER: JOHNNIE L. SMITH

Phone #(601)408-3588

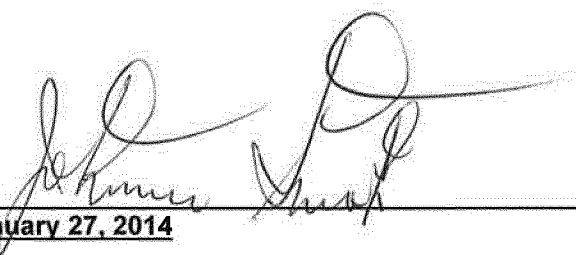
Address: 28 Pine Street
Hattiesburg, MS 39402

Job Performed For:
The City of Hattiesburg/Ms. Tracey Ducksworth
208 West 7th St.
Hattiesburg, MS 39401

Request: 1st draw for work done according to work write-up.
1. Tear out of all interior sheetrock and dump and placement of needed studs
2. Rough in of electrical and replacement of exterior panel box
3. Roofing of Home

\$10,000.00



Signature: 

Date: January 27, 2014



**Southeast Mississippi
Rural Health Initiative, Inc.**
5488 US Hwy 49 / PO Box 1729
Hattiesburg, MS 39403
(601) 545-8700 • Fax (601) 582-5461

January 27, 2014

Andrew Ellard
Governmental Accountant
City of Hattiesburg
Federal & State Programs
200 Forrest Street
Hattiesburg, MS 39401

Re: Request for Reimbursement

Dear Mr. Ellard,

Please accept this as request for reimbursement from the City of Hattiesburg's CDBG, Public Service Grant for Southeast Mississippi Rural Health Initiative, Inc.'s Healthcare for the Homeless Voucher Program (HCHV). Our agreement stated that we would serve 50 homeless individuals with healthcare and prescription assistance. For the month of October there were 11 individuals who received healthcare visits and 30 prescriptions. For the months of November and part of December, there were 44 individuals who received healthcare visits and 110 prescriptions. For the purposes of this last reimbursement request, there was only one individual who was unduplicated and who actually counts for 2014.

We are requesting the remaining reimbursement for: \$851.82

AE 1/27/14

Healthcare and Prescription Assistance in the amount of \$851.82. Please see attached spreadsheet of patient demographic information for your reporting purposes. If you have any questions, feel free to contact me at 601-545-8700. As always, we appreciate the opportunity to work closely with the City of Hattiesburg and provide quality healthcare for the residents within the city.

Sincerely,

Ivie Pulliam

Ivie Pulliam
Director of Grants Administration

"Committed To Quality Rural Health Care"



MEMORANDUM

To: Andrew Ellard
Government Accountant
City of Hattiesburg

From: Sandra Thompson
Executive Director
The First Tee of The Pine Belt

Re: Reimbursement of Expenses – Request Number 4

Date: January 27, 2014

We are requesting reimbursement as attached.

Category	Participant Uniform	Prior Balance	\$649.00
	*Reimbursement request		<u>\$649.00</u>
	New Participant Uniform Balance		\$ 0
	Total reimbursement request:		\$649.00

AB
1/27/14

Thank you.

PINEBELT COMMUNITY SERVICES

1101 N MAIN STREET

HATTIESBURG, MS 39401

REQUEST FOR PAYMENT

January 27, 2014

TO: City of Hattiesburg
Office of Federal and State Programs
P. O. Box 1898
Hattiesburg, Mississippi

RE: Emergency Repair – Means – 136 Ruby Ave. (Draw No. 1 partial)

This is a formal request for a payment in the amount of \$ 4,130.00 for emergency repair services performed at 136 Ruby Ave by C & C Building Contractors.

A handwritten signature, possibly "RJ", is enclosed within a hand-drawn circle.

PINEBELT COMMUNITY SERVICES

1101 N MAIN STREET

HATTIESBURG, MS 39401

REQUEST FOR PAYMENT

January 27, 2014

TO: City of Hattiesburg
Office of Federal and State Programs
P. O. Box 1898
Hattiesburg, Mississippi

RE: Feeding Program Line Item: (Draw No. 3)

This is a formal request for a payment in the amount of \$1831.00 for 2013 and \$465.86 for 2014 for food purchases for the feeding program at Pinebelt Community Services.

AE/27/14



City of Hattiesburg, MS

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

Master

File Number: 2014-0895

File ID: 2014-0895

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 01/30/2014

Brief Title: HOME Manual Checks

Final Action:

Minute Book Number: MB2014-38

Title:

Approve and authorize issuance of manual checks for HOME Program Claims per attached memorandum. {Entitlement}

Notes:

Sponsors:

Enactment Date:

Attachments: MEMORANDUM-Manual Checks-HOME, HOME Supporting Docs

Enactment Number:

Contact:

Meeting Date: 02/04/2014

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014					

Text of Legislative File 2014-0895

Title

Approve and authorize issuance of manual checks for HOME Program Claims per attached memorandum. {Entitlement}

Summary

HOME Manual checks

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMORANDUM

TO: City of Hattiesburg Council Members

FROM: Andrew Ellard
Department of Federal & State Programs

SUBJECT: Authorize issuance of manual checks for HOME Program claims

DATE: January 28, 2014

The following request for payment is being submitted for approval during the City Council's February 4, 2014 meeting. Please authorize and approve issuance of a manual check for the claims listed below:

Recipient:	Smith's Remodeling
Activity:	Rehabilitation
Program:	HOME
Project Site:	16 Collins Rd.
Amount Requested:	\$1,925.00
Purpose of Request:	Change Order #1
Work Provided by:	Smith's Remodeling

SMITH'S REMODELING

OWNER: JOHNNIE L. SMITH

Phone:(601)408-3588

Address: 28 Pine Street
Hattiesburg, MS 39402

Job Performed For:
The City of Hattiesburg
16 Collins Rd.
Hattiesburg, MS 39401

Request: 1st and final draw for work done according to work write-up.
For washing, cleaning, cutting grass and weeds, installation of new carpet
And pad in living area and bedroom. Also for the replacement of needed
Missing siding and damaged front post.

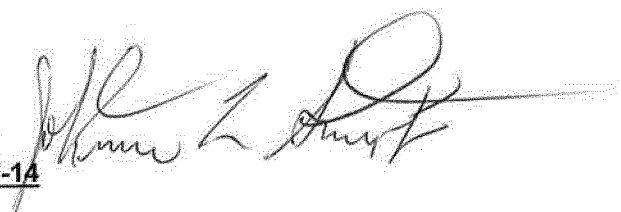
Total amount of invoice:

\$1,925.00
~~\$2,000.00~~ J.L.S.

\$1,925.00
~~\$2,000.00~~ J.L.S.

RJ

Signature:
Date: 1-27-14





City of Hattiesburg, MS

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

Master

File Number: 2014-0898

File ID: 2014-0898

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 01/31/2014

Brief Title: Claims Docket

Final Action:

Minute Book Number: MB2014-38

Title:

Approve claims docket for the period ending January 31,2014.

Notes:

Sponsors:

Enactment Date:

Attachments: DOCKET 01-31-14

Enactment Number:

Contact:

Meeting Date:

Drafter: Kermas Eaton

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	02/04/2014					

Text of Legislative File 2014-0898

Title

Approve claims docket for the period ending January 31,2014.

Summary

Claims Docket.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

CITY OF HATTIESBURG DOCKET OF CLAIMS PERIOD ENDING JANUARY 31, 2014					Date		- 01/30/14
Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
GENERAL FUND							
00001 A A A AMBULANCE SERVICE	13-56892 JOH	00139580	13002496	SERVS 11/8/13 SMITH-PRISONER	01/31/14	235901	585.60-
00001 A A A AMBULANCE SERVICE	13-55777 HOY	00139580	13002497	SERVS 11/2/13 HOYLE-PRISONER	01/31/14	235901	265.20-
00001 A A A AMBULANCE SERVICE	13-45810 ROL	00139580	13002498	SERV 9/9/13 ROLLINS-PRISONER	01/31/14	235901	259.12-
00001 A A A AMBULANCE SERVICE	13-58328 POT	00139580	13002499	SERV 11/16/13 POTIER-PRISONER	01/31/14	235901	265.20-
00001 A A A AMBULANCE SERVICE	13-58211 JOH	00139580	13002500	SERV 11/15/13 SMITH-PRISONER	01/31/14	235901	240.84-
A A AAMBULANCE SERVICE							
Sum							1,615.96-
00001 ADVANCE AUTO PARTS	560440084704	00139081	13002486	AIR HOSE PUBLIC WORKS SHOP	01/31/14	235904	58.54-
ADVANCE AUTO PARTS							
Sum							58.54-
00001 ADVANCED JANITORIAL SERV	20179 CITY H	00139754	13002650	SERVS 1/14 CITY HALL	01/31/14	235905	1,925.00-
00001 ADVANCED JANITORIAL SERV	20179 TRAFFI	00139754	13002651	SERVS 1/14 TRAFFIC OFFICE	01/31/14	235905	250.00-
ADVANCED JANITORIAL SERV							
Sum							2,175.00-
00001 AERIAL TRUCK EQUIP CO IN	18035	00139346	13002573	BUCKET TRUCK REPR PTS	01/31/14	235906	415.10-
AERIALTRUCK EQUIP CO IN							
Sum							415.10-
00001 AFFORDABLE EMERGENCY LIG	642	00139525	13002540	CAMERA REPR U#18326 POLICE	01/31/14	235907	85.00-
00001 AFFORDABLE EMERGENCY LIG	643	00139525	13002541	REPR FOGLIGHTS U#17996 POLICE	01/31/14	235907	85.00-
00001 AFFORDABLE EMERGENCY LIG	645	00139776	13002688	SIREN REPR U#16876 POLICE	01/31/14	235907	85.00-
AFFORDABLE EMERGENCY LIG							
Sum							255.00-
00001 AGRI-AFC LLC	5004660	00139623	13002590	LAWN CARE SUPP #2 FIRE STA	01/31/14	235909	33.50-
AGRI-AFC LLC							
Sum							33.50-
00001 AINSWORTH, PATSY REPORTI	21888PRP	00139599	13002460	TRANSCRIPT CIVIL SERV HEARING	01/31/14	235910	463.00-
AINS WORTH, PATSY REPORTI							
Sum							463.00-
00001 APPLIED FORCE TECHNOLOGI	2014-495	00139651	13002690	CRASH RESCUE EQUIPMENT	01/31/14	235915	2,166.00-
APPLIED FORCE TECHNOLOGI							
Sum							2,166.00-
00001 AREA DEVELOPMENT PARTNER	1/21/14	00139641	13002450	HUBFEST ADVERTISING	01/21/14	18469	2,500.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
AREA DEVELOPMENT PARTNER							
Sum							2,500.00-
00001 ARMSTRONG, EDSSEL (REFUND	MUNICIPAL CO	02014242	13002576	MUNICIPAL COURT REFUND	01/31/14	235917	437.50-
ARMSTRONG, EDSSEL (REFUND							
Sum							437.50-
00001 AT&T	601M26940440	00020144	13002575	MNTHLY 1/8-2/7/14 VARI DEPTS	01/31/14	235919	279.75-
AT&T							
Sum							279.75-
00001 AT&T CAPITAL SERVICES	001-4802200-	00139569	13002525	CAD/GIS COURT SOFTWARE	01/31/14	235920	12,556.56-
00001 AT&T CAPITAL SERVICES	601M26491400	00139619	13002526	PUB SAFETY SOFTWARE 1/8-17/14	01/31/14	235920	47.00-
00001 AT&T CAPITAL SERVICES	601M26684200	00139619	13002527	PUB SAFETY SOFTWARE 1/8-27/14	01/31/14	235920	871.00-
AT&T CAPITAL SERVICES							
Sum							13,474.56-
00001 AUTO ARMATURE SERVICE IN	12603	00139377	13002533	BATTERY U#12065 STREET	01/31/14	235921	137.95-
00001 AUTO ARMATURE SERVICE IN	12604	00139377	13002534	BATTERY U#17318 POLICE	01/31/14	235921	127.95-
00001 AUTO ARMATURE SERVICE IN	12605	00139377	13002535	BATTERY U#16415 POLICE	01/31/14	235921	105.95-
00001 AUTO ARMATURE SERVICE IN	12606	00139377	13002536	BATTERY U#16651 POLICE	01/31/14	235921	127.95-
00001 AUTO ARMATURE SERVICE IN	12601	00139373	13002537	BATTERY U#15920 STREET	01/31/14	235921	115.95-
00001 AUTO ARMATURE SERVICE IN	12602	00139373	13002538	BATTERY U#18201 POLICE	01/31/14	235921	161.95-
00001 AUTO ARMATURE SERVICE IN	12641	00139560	13002564	BATTERIES U#13982 STREET	01/31/14	235921	275.90-
00001 AUTO ARMATURE SERVICE IN	12659	00139657	13002603	BATTERY U#13514 CONSTR	01/31/14	235921	109.95-
00001 AUTO ARMATURE SERVICE IN	12639	00139590	13002681	STARTERS FOR MULES-CEMETERY	01/31/14	235921	219.90-
AUTO ARMATURE SERVICE IN							
Sum							1,383.45-
00001 AUTO TRIM	6613	00139180	13002452	LETTERING U#19449 DUPREE M/AD	01/31/14	235922	35.00-
AUTO TRIM							
Sum							35.00-
00001 B & F TACTICAL STORE	308	00139511	13002618	TURTLE NECK SHIRTS-POL STOCK	01/31/14	235923	594.65-
B & FTACTICAL STORE							
Sum							594.65-
00001 BIG IRON DIESEL REPAIR L	S01596	00139647	13002675	REPRS U#16081 SANIT	01/31/14	235926	600.31-
BIG IRON DIESEL REPAIR L							
Sum							600.31-
00001 BODY TECH INC	4631	00139336	13002571	REPRS U#15964 SANIT	01/31/14	235928	1,911.30-
BODY TECH INC							
Sum							1,911.30-
00001 BRACKMAN SERVICE CO	1001	00139717	13002660	WASHER/DRYER REPR #1 FIRE STA	01/31/14	235931	560.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
BRACKMAN SERVICE CO							
Sum							560.00-
00001 BROADWAY DRIVE TIRE	090352	00139378	13002565	TIRES U#15670,U#15671 STREET	01/31/14	235934	662.40-
BROADWAY DRIVE TIRE							
Sum							662.40-
00001 BUSTER'S TOWING	PO#139595 1/	00139595	13002470	TOWING SIEZED VEHICLE	01/31/14	235937	150.00-
BUSTER'S TOWING							
Sum							150.00-
00001 C SPIRE WIRELESS (CELLUL	12/23/13-1/2	02014253	13002694	CELL SERV 1/14 VARI DEPTS	01/31/14	235938	7,028.06-
C SPIRE WIRELESS (CELLUL							
Sum							7,028.06-
00001 CAMPER CITY OF HATTIESBU	25789	00139510	13002493	TRAILER TIRE U#18607 CEMETERY	01/31/14	235940	165.00-
CAMPERCITY OF HATTIESBU							
Sum							165.00-
00001 CANON FINANCIAL SERVICES	13448475	00139802	13002668	COPIER RENT 12/13-1/14 PURCH	01/31/14	235941	230.00-
CANONFINANCIAL SERVICES							
Sum							230.00-
00001 CARQUEST AUTO PARTS STOR	14758-19524	00139194	13002597	REPR PTS U#17528 TRAFFIC	01/31/14	235943	80.78-
00001 CARQUEST AUTO PARTS STOR	14758-18857	00138976	13002620	REPR PTS POLICE STOCK	01/31/14	235943	70.78-
00001 CARQUEST AUTO PARTS STOR	14758-18858	00138976	13002621	REPR PTS U#11740 POLICE	01/31/14	235943	95.65-
00001 CARQUEST AUTO PARTS STOR	14758-19184	00139133	13002622	REPR PTS U#17314 POLICE	01/31/14	235943	118.45-
00001 CARQUEST AUTO PARTS STOR	14758-19957	00139493	13002623	REPR PTS POLICE STOCK	01/31/14	235943	714.60-
00001 CARQUEST AUTO PARTS STOR	14758-20365	00139534	13002673	REPR PTS U#9905 SHOP	01/31/14	235943	18.71-
CARQUEST AUTO PARTS STOR							
Sum							1,098.97-
00001 CITY OF HATTIESBURG FUND	TRF 2ND 1/14	02014244	13002545	TRF 2ND 1/14 PAYROLL	01/22/14	18470	993,293.81-
00001 CITY OF HATTIESBURG FUND	TRF INTERIM	02014258	13002685	TRF INTERIM 1/24 PAYROLL	01/27/14	18524	316.54-
CITY OF HATTIESBURG FUND							
Sum							993,610.35-
00001 CLEMTS HARDWARE	108078	00139319	13002491	PLUMB SUPP CEMETERY	01/31/14	235947	444.93-
CLEMTSHARDWARE							
Sum							444.93-
00001 COBURN'S SUPPLY CO INC	606461736	00138774	13002602	MINI ROOTER CONSTR DEPT	01/31/14	235949	612.17-
COBURN'S SUPPLY CO INC							
Sum							612.17-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001	COMPREHENSIVE RADIOLOGY	CRS100061921	00139585	13002501	SERV 7/31/13 MCGILL-PRISONER	01/31/14	235952	40.00-
00001	COMPREHENSIVE RADIOLOGY	CRS100110133	00139585	13002502	SERV 11/8/13 SMITH-PRISONER	01/31/14	235952	198.00-
00001	COMPREHENSIVE RADIOLOGY	10011387201	00139585	13002503	SERV 11/16/13 POTIER-PRISONER	01/31/14	235952	425.00-
00001	COMPREHENSIVE RADIOLOGY	10011387201	00139585	13002504	SERV 11/16/13 POTIER-PRISONER	01/31/14	235952	39.00-
00001	COMPREHENSIVE RADIOLOGY	10011385801	00139585	13002505	SERV 11/16/13 BRACKETT-PRISNR	01/31/14	235952	30.00-

COMPREHENSIVE RADIOLOGY Sum								732.00-
00001	COMSOUTH	172230	00139501	13002626	RADIO REPR FIRE DEPT	01/31/14	235953	114.75-
00001	COMSOUTH	172229	00139501	13002627	RADIO REPR FIRE DEPT	01/31/14	235953	37.50-

COMSOUTH Sum								152.25-
00001	D P S CRIME LAB	IN 711 14CL0	00139573	13002468	ANALYTICAL SERVS 12/13 POLICE	01/31/14	235957	150.00-

D P SCRIME LAB Sum								150.00-
00001	DILLARDS DEPARTMENT STOR	P933600D100X	00139508	13002587	CLOTH ALLOW-J FRAZIER-POLICE	01/31/14	235963	293.99-

DILLARDS DEPARTMENT STOR Sum								293.99-
00001	ECONOMY SUPPLY CO	205262	00139213	13002542	BLDG MATLS #2 FIRE STA	01/31/14	235965	1,012.64-

ECONOMY SUPPLY CO Sum								1,012.64-
00001	EMERGENCY EQUIPMENT PROF	408964	00139482	13002478	REPR PTS U#13933 FIRE DEPT	01/31/14	235967	4,441.13-
00001	EMERGENCY EQUIPMENT PROF	408966	00139507	13002479	REPR PTS U#11353 FIRE DEPT	01/31/14	235967	42.01-

EMERGENCY EQUIPMENT PROF Sum								4,483.14-
00001	EMERGENCY VETS	9585 25504	00139576	13002467	SERVS PENDA POLICE K-9	01/31/14	235968	344.95-

EMERGENCY VETS Sum								344.95-
00001	EQUIFAX INFORMATION SERV	8284897	00139694	13002588	ONLINE BACKGROUND SEARCHES	01/31/14	235970	42.26-

EQUIFAX INFORMATION SERV Sum								42.26-
00001	EXPERT TIRE	188737	00139550	13002485	ALIGNMENT U#14700 FIRE DEPT	01/31/14	235971	49.99-

EXPERTTIRE Sum								49.99-
00001	F B I NATIONAL ACADEMY-M	REG-SIMS 4/2	00139614	13002556	REG-SIMS CONF PEARL MS	01/31/14	235972	100.00-

F B INATIONAL ACADEMY-M								

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum							100.00-
00001 FASTENAL COMPANY	MSHAT166988	00139176	13002487	ELEC SUPP CONSTR DEPT	01/31/14	235973	70.14-
00001 FASTENAL COMPANY	MSHAT167065	00139233	13002543	SIGNAL EQUIP PTS TRAFFIC DEPT	01/31/14	235973	281.19-
FASTENAL COMPANY							
Sum							351.33-
00001 FEDERAL EXPRESS	2-527-68253(	00139690	13002581	SERVS 1/7/14 MUN CLERK	01/31/14	235975	23.30-
00001 FEDERAL EXPRESS	2-527-68253(	00139690	13002582	SERVS 1/7-8/14 ENGR DEPT	01/31/14	235975	37.00-
FEDERAL EXPRESS							
Sum							60.30-
00001 FLOWERS BY MARIAM	004683	00139683	13002579	BALLOONS-BREAST CANCER ADV	01/31/14	235977	40.00-
FLOWERS BY MARIAM							
Sum							40.00-
00001 FORREST CTY SUPERVISORS	JAIL 10/13 E	00139593	13002519	JAIL 10/13 EXPENSES	01/31/14	235979	76,560.00-
00001 FORREST CTY SUPERVISORS	JAIL 10/13 M	00139593	13002520	JAIL 10/13 MEDICAL	01/31/14	235979	1,548.09-
00001 FORREST CTY SUPERVISORS	JAIL 11/13 E	00139593	13002521	JAIL 11/13 EXPENSES	01/31/14	235979	76,920.00-
00001 FORREST CTY SUPERVISORS	JAIL 11/13 M	00139593	13002522	JAIL 11/13 MEDICAL	01/31/14	235979	1,913.36-
FORREST CTY SUPERVISORS							
Sum							156,941.45-
00001 FORREST GENERAL HOSPITAL	H90011358300	00139587	13002508	SERV 11/16/13 SMITH-PRISONER	01/31/14	235980	9,507.30-
00001 FORREST GENERAL HOSPITAL	H90011385801	00139587	13002509	SERV 11/16/13 BRACKETT-PRSNR	01/31/14	235980	919.55-
00001 FORREST GENERAL HOSPITAL	H90009057900	00139587	13002510	SERV 9/29/13 THOMAS-PRISONER	01/31/14	235980	3,085.00-
00001 FORREST GENERAL HOSPITAL	H90008693100	00139587	13002511	SERV 9/21/13 C SMITH-PRISONER	01/31/14	235980	1,223.00-
00001 FORREST GENERAL HOSPITAL	900008583 PE	00139587	13002512	SERV 4/13/13 PENNICK-PRISONER	01/31/14	235980	6,100.00-
00001 FORREST GENERAL HOSPITAL	H90010715000	00139667	13002594	SERVS 11/2/13 HOYLE-PRISONER	01/31/14	235980	3,477.50-
FORREST GENERAL HOSPITAL							
Sum							24,312.35-
00001 FORREST GENERAL HOSPITAL	EAP CHARGE 1	00139191	13002459	EAP CHARGE 1/14	01/31/14	235981	1,785.00-
FORREST GENERAL HOSPITAL							
Sum							1,785.00-
00001 FORREST GENERAL PHYSICIA	1141131 DICK	00139584	13002506	SERV 8/17/13 DICKINSON-PRSNR	01/31/14	235982	60.00-
00001 FORREST GENERAL PHYSICIA	1141121 DICK	00139584	13002507	SERV 8/17/13 DICKINSON-PRSNR	01/31/14	235982	225.00-
FORREST GENERAL PHYSICIA							
Sum							285.00-
00001 FUELMAN OF MS	BG127044 NP4	00139668	13002586	FUEL CHGS 1/6-12/14 POLICE	01/31/14	235984	189.50-
FUELMAN OF MS							
Sum							189.50-
00001 GARNER LUMLEY ELECTRIC S	496016	00139460	13002489	ELEC SUPP CONSTR DEPT	01/31/14	235988	34.27-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
GARNERLUMLEY ELECTRIC S							
Sum							34.27-
00001 GILKEY ELECTRIC SUPPLY C	251847	00138923	13002476	BATTERIES FIRE SAFETY EQUIP	01/31/14	235989	260.16-
GILKEYELECTRIC SUPPLY C							
Sum							260.16-
00001 GLADDEN LAW OFFICE PLLC	10346	00139601	13002455	SRVS LIGHTHOUSE RESCUE MISSION	01/31/14	235991	1,034.25-
00001 GLADDEN LAW OFFICE PLLC	10347	00139601	13002456	SRVS PEARSON'S FIREWORKS	01/31/14	235991	1,793.40-
00001 GLADDEN LAW OFFICE PLLC	10348	00139601	13002457	SRVS SHARON MARK VS CITY	01/31/14	235991	287.00-
00001 GLADDEN LAW OFFICE PLLC	10349	00139601	13002458	SRVS PEDDLERS/SOLICITORS ORD	01/31/14	235991	238.00-
00001 GLADDEN LAW OFFICE PLLC	10350	00139645	13002584	SERVS ADA SIDEWALK COMPLIANCE	01/31/14	235991	616.00-
GLADDEN LAW OFFICE PLLC							
Sum							3,968.65-
00001 GLOBAL ELECTRIC & SAFETY	04026	00139555	13002596	SAFETY VESTS TRAFFIC DEPT	01/31/14	235992	53.96-
GLOBALELECTRIC & SAFETY							
Sum							53.96-
00001 GORDON INDUSTRIAL SERVI	3497	00139639	13002682	REPRS U#18602 BUCKET TRUCK	01/31/14	235993	225.00-
GORDONINDUSTRIAL SERVI							
Sum							225.00-
00001 GROVER'S PAINTING INC	3098	00135260	13002652	EXTERIOR PAINTING TRAIN DEPOT	01/31/14	235996	47,500.00-
00001 GROVER'S PAINTING INC	3102	00139698	13002653	REPR WINDOWS TRAIN DEPOT	01/31/14	235996	2,500.00-
GROVER'S PAINTING INC							
Sum							50,000.00-
00001 H'BURG CLINIC PA (PRISON	2293741 HAYE	00139583	13002513	SERV 4/10/13 HAYES-PRISONER	01/31/14	235997	132.00-
H'BURGCLINIC PA (PRISON							
Sum							132.00-
00001 H'BURG HYDRAULICS INC	54202	00139468	13002494	REPRS U#11995 FORESTRY	01/31/14	235998	470.71-
00001 H'BURG HYDRAULICS INC	54205	00139331	13002566	REPR PTS U#12956 STREET	01/31/14	235998	58.65-
00001 H'BURG HYDRAULICS INC	54204	00139331	13002567	REPR PTS U#17724 SANIT	01/31/14	235998	90.83-
00001 H'BURG HYDRAULICS INC	54203	00139375	13002568	REPRS U#15893 STREET	01/31/14	235998	306.87-
H'BURGHYDRAULICS INC							
Sum							927.06-
00001 HANCOCK BANK TRUST & FIN	1/23/14 DUE	02014249	13002612	MDB 2001 BONDS 12/22/08	01/24/14	18517	2,097.95-
HANCOCK BANK TRUST & FIN							
Sum							2,097.95-
00001 HERCULES WIRE ROPE & SLI	310509	00139646	13002604	REPR PTS U#14407 SANIT	01/31/14	236000	124.19-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
HERCULES WIRE ROPE & SLI							
Sum							124.19-
00001 HILL, LEROY COFFEE CO IN	15604	00139720	13002613	COFFEE SERV M/ADM	01/31/14	236001	86.08-
HILL, LEROY COFFEE CO IN							
Sum							86.08-
00001 HOME DEPOT	3040650	00139222	13002674	FLOOR SCRAPER CONSTR DEPT	01/31/14	236002	31.47-
HOME DEPOT							
Sum							31.47-
00001 INDOFF INC	2396700	00139364	13002589	PRINTER SUPP FIRE DEPT	01/31/14	236006	159.96-
00001 INDOFF INC	2372139	00138298	13002624	JANIT SUPP P/F ACADEMY	01/31/14	236006	291.86-
00001 INDOFF INC	2400361	00139529	13002657	OFFICE SUPP FIRE ADM	01/31/14	236006	517.82-
00001 INDOFF INC	2400377	00139529	13002658	COMPUTER SUPP FIRE ADM	01/31/14	236006	89.50-
00001 INDOFF INC	2400378	00139529	13002659	OFFICE SUPP FIRE ADM	01/31/14	236006	18.25-
00001 INDOFF INC	2399085	00139479	13002664	OFFICE SUPP PUBLIC WORKS	01/31/14	236006	255.05-
INDOFFINC							
Sum							1,332.44-
00001 INSTITUTE OF TRANSPORTAT	37920 THOMPS	00139648	13002598	2014 MBRSHIP DUES THOMPSON	01/31/14	236007	260.00-
INSTITUTE OF TRANSPORTAT							
Sum							260.00-
00001 INTL ASSN OF CHIEFS OF P	1001096676 S	00139591	13002471	2014 MBRSHIP DUES MAJOR SIMS	01/31/14	236008	120.00-
INTL ASSN OF CHIEFS OF P							
Sum							120.00-
00001 J M H GRAPHICS	S 26677	00139246	13002490	ARBOR DAY EVENT SHIRTS	01/31/14	236009	648.40-
J M HGRAPHICS							
Sum							648.40-
00001 JACKSON, ROOSEVELT III	9962787	00139611	13002683	PAINT HILND CEMETERY OFFICE	01/31/14	236011	3,750.00-
00001 JACKSON, ROOSEVELT III	9962788	00139530	13002684	PAINT BRICK COLUMNS HILND CEM	01/31/14	236011	265.00-
JACKSON, ROOSEVELT III							
Sum							4,015.00-
00001 JOHNNY'S WRECKER SERVICE	22654	00139466	13002666	TOWING U#17727 SANIT	01/31/14	236013	300.00-
JOHNNY'S WRECKER SERVICE							
Sum							300.00-
00001 LAMAR CTY SHERIFF	JAIL 11/13	00139588	13002523	JAIL EXPENSE 11/13	01/31/14	236021	40.00-
00001 LAMAR CTY SHERIFF	JAIL 12/13	00139588	13002524	JAIL EXPENSE 12/13	01/31/14	236021	120.00-
LAMARCTY SHERIFF							
Sum							160.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001 LANCASTER'S MACHINE & WE	21588	00139670	13002605	REPRS U#17724 SANIT	01/31/14	236022	388.00-
LANCASTER'S MACHINE & WE Sum							388.00-
00001 LASERTEC	11730	00139692	13002583	SOFTWARE MAINT INFO TECH	01/31/14	236023	795.00-
LASERTEC Sum							795.00-
00001 LAUREL MACHINE & FOUNDRY	463350	00139467	13002663	TRAILER RAMP REPR PUB WORKS	01/31/14	236024	50.39-
LAURELMACHINE & FOUNDRY Sum							50.39-
00001 MCCAIN UNIFORMS	270712-1	00138038	13002529	UNIFORM PANTS-ROBINSON-POLICE	01/31/14	236034	130.00-
00001 MCCAIN UNIFORMS	273802-1	00138038	13002530	UNIFORM PANTS-ROBINSON-POLICE	01/31/14	236034	130.00-
00001 MCCAIN UNIFORMS	275802-1	00138038	13002531	UNIFORM PANTS-ROBINSON-POLICE	01/31/14	236034	195.00-
00001 MCCAIN UNIFORMS	275796-1	00138437	13002532	UNIFORM PANTS-POLICE STOCK	01/31/14	236034	260.00-
MCCAINUNIFORMS Sum							715.00-
00001 MCCRORY, DONALD P	SALARY 12/13	00139642	13002557	SALARY 12/13 HOMELND SEC TRNR	01/31/14	236035	2,100.00-
00001 MCCRORY, DONALD P	TRAVEL 12/13	00139642	13002558	TRAVEL EXPNS 12/13	01/31/14	236035	154.68-
00001 MCCRORY, DONALD P	CELL PHONE 1	00139642	13002559	CELL PHONE USE 12/13	01/31/14	236035	136.92-
MCCRORY, DONALD P Sum							2,391.60-
00001 MCELHANEY PLUMBING INC	215443	00139544	13002492	PLUMB SUPP CEMETERY	01/31/14	236036	76.25-
00001 MCELHANEY PLUMBING INC	215197	00139352	13002600	PLUMB SUPP SHOP DEPT	01/31/14	236036	60.00-
00001 MCELHANEY PLUMBING INC	215197(B)	00139629	13002601	ADDL AMT DUE PO#139352	01/31/14	236036	12.60-
MCELHANEY PLUMBING INC Sum							148.85-
00001 MCMULLAN EQUIPMENT CO	152190P	00139561	13002539	REPR PTS POLICE STOCK	01/31/14	236037	580.50-
MCMULLAN EQUIPMENT CO Sum							580.50-
00001 MEGAGATE	205876-00 12	00139575	13002453	INET/NETWORK 1/14 INFO TECH	01/31/14	236038	14,382.40-
MEGAGATE Sum							14,382.40-
00001 MINGLEDORFF'S INC	5098362-00	00139070	13002474	HEAT/AC REPR PTS P/F ACADEMY	01/31/14	236042	343.00-
MINGLEDORFF'S INC Sum							343.00-
00001 MINIT MART	12334	00139674	13002617	LUNCHES-TAX TRNG VOLUNTEERS	01/31/14	236043	80.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
MINITMART							
Sum							80.00-
00001 MITCHELL TOOL SALES & SE	88971	00139437	13002477	HAND TOOLS FIRE DEPT	01/31/14	236044	84.99-
00001 MITCHELL TOOL SALES & SE	88933	00138929	13002488	HAND TOOLS CONSTR DEPT	01/31/14	236044	45.89-
MITCHELL TOOL SALES & SE							
Sum							130.88-
00001 MS DEPT OF INFORMATION T	IN 601 COH19	02014257	13002686	LONG DIST 1/14 VARI DEPTS	01/31/14	236047	13,471.24-
MS DEPT OF INFORMATION T							
Sum							13,471.24-
00001 MS FIRE & SAFETY OF HBUR	37495	00139409	13002592	HOOD SYS SERV VARI FIRE STA	01/31/14	236048	570.00-
MS FIRE & SAFETY OF HBUR							
Sum							570.00-
00001 MS MUSIC INC	713724	00139680	13002585	SOUND SYS MEMORIAL DAY SERV	01/31/14	236049	370.00-
MS MUSIC INC							
Sum							370.00-
00001 MS POWER COMPANY	1/14 GENERAL	00020148	13002697	MNTHLY ELEC-GENERAL	01/31/14	236050	107,571.18-
MS POWER COMPANY							
Sum							107,571.18-
00001 MS STATE/TAX COMM/TAX EX	PO#139563 1/	00139563	13002465	TAGS VARI POLICE UNITS	01/31/14	236051	108.00-
MS STATE/TAX COMM/TAX EX							
Sum							108.00-
00001 MS STATE/TAX COMM/UNDERC	PO#139244 1/	00139244	13002464	TAG RNWLS UNDERCOVER UNITS	01/31/14	236052	73.75-
MS STATE/TAX COMM/UNDERC							
Sum							73.75-
00001 N & H ELECTRONIC DISTRIB	125792	00139314	13002562	SIGNAL EQUIP SOLDER-TRAFFIC	01/31/14	236053	54.38-
N & HELECTRONIC DISTRIB							
Sum							54.38-
00001 NADA APPRAISAL GUIDES	000428019	00139715	13002687	USED CAR GUIDE 2/14-1/15	01/31/14	236054	105.00-
NADA APPRAISAL GUIDES							
Sum							105.00-
00001 NAPA AUTO PARTS	501059	00139280	13002480	REPR PTS ENGINE 4	01/31/14	236055	62.17-
00001 NAPA AUTO PARTS	501070	00139436	13002481	REPR PTS U#2681 FIRE DEPT	01/31/14	236055	77.62-
00001 NAPA AUTO PARTS	501060	00139368	13002482	REPR PTS U#11353 FIRE DEPT	01/31/14	236055	148.67-
00001 NAPA AUTO PARTS	501201	00139548	13002591	REPR PTS U#2681 FIRE DEPT	01/31/14	236055	87.33-
NAPA AUTO PARTS							

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum							375.79-
00001 NATL ASSN OF TOWN WATCH	MS178 2014	00139615	13002547	CITY'S MBRSHF FEE 2014	01/31/14	236056	35.00-
NATL ASSN OF TOWN WATCH							
Sum							35.00-
00001 NATL CONFERENCE OF BLACK	2014 DUES MA	00139721	13002614	2014 MBRSHF DUES MAYOR DUPREE	01/31/14	236057	1,050.00-
NATL CONFERENCE OF BLACK							
Sum							1,050.00-
00001 NEEL-SCHAFFER INC	1015151-99	00139798	13002671	SRVS 11/13 WESTERN CONTAINER	01/31/14	236058	144.30-
NEEL-SCHAFFER INC							
Sum							144.30-
00001 NEWELL PAPER COMPANY	805101	00139315	13002528	JANIT SUPP POLICE DEPT	01/31/14	236060	160.11-
00001 NEWELL PAPER COMPANY	805317	00139553	13002580	JANIT SUPP ACCTG/PURCH	01/31/14	236060	294.00-
00001 NEWELL PAPER COMPANY	805491	00139565	13002630	JANIT SUPP TRAFF/CONSTR DEPTS	01/31/14	236060	217.76-
00001 NEWELL PAPER COMPANY	805573	00139606	13002631	JANIT SUPP AIRPORT MAINT	01/31/14	236060	171.08-
00001 NEWELL PAPER COMPANY	803946	00139122	13002661	JANIT SUPP PUBLIC WORKS	01/31/14	236060	1,632.49-
00001 NEWELL PAPER COMPANY	804543	00139122	13002662	JANIT SUPP PUBLIC WORKS	01/31/14	236060	504.25-
NEWELLPAPER COMPANY							
Sum							2,979.69-
00001 OFFICE DEPOT INC	684716322001	00139276	13002472	OFFICE SUPP P/F ACADEMY	01/31/14	236062	156.95-
00001 OFFICE DEPOT INC	684716323001	00139276	13002473	OFFICE SUPP P/F ACADEMY	01/31/14	236062	8.99-
00001 OFFICE DEPOT INC	684717700001	00139262	13002615	OFFICE SUPP PLANNING DEPT	01/31/14	236062	147.31-
00001 OFFICE DEPOT INC	684717701001	00139262	13002616	OFFICE SUPP PLANNING DEPT	01/31/14	236062	12.74-
00001 OFFICE DEPOT INC	690256617001	00139102	13002654	COMPUTER SUPP POLICE DEPT	01/31/14	236062	179.40-
00001 OFFICE DEPOT INC	690256618001	00139102	13002655	COMPUTER SUPP POLICE DEPT	01/31/14	236062	297.14-
OFFICEDEPOT INC							
Sum							802.53-
00001 ORION PLANNING GROUP	#19	00139638	13002548	SERVS LAND CODE UPDATE	01/31/14	236063	840.00-
ORIONPLANNING GROUP							
Sum							840.00-
00001 OTTO ENVIRONMENTAL SYS N	5322495	00139267	13002607	GARBAGE CAN WHEELS VARI LOC	01/31/14	236064	3,050.00-
OTTO ENVIRONMENTAL SYS N							
Sum							3,050.00-
00001 PEARL RIVER VALLEY EPA (	1/14 GENERAL	00020148	13002696	MNTHLY 1/14 PUBLIC SERVICES	01/31/14	236069	503.54-
PEARLRIVER VALLEY EPA (							
Sum							503.54-
00001 PINE BELT REGIONAL SOLID	100006 12/13	00139691	13002608	REFUSE DISPOSAL 12/13 SANIT	01/31/14	236071	43,258.62-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PINE BELT REGIONAL SOLID Sum							43,258.62-
00001 PITNEY BOWES INC-METER R	0988915-DC13	00139598	13002461	MAIL MACHINE LEASE 1/14-3/14	01/31/14	236072	1,566.00-
PITNEYBOWES INC-METER R Sum							1,566.00-
00001 PREMIER ORTHOPAEDICS	27228 WILLIA	00139586	13002514	SERV 11/7/13 WILLIAMS-PRSNR	01/31/14	236075	515.71-
00001 PREMIER ORTHOPAEDICS	26690 MCALLI	00139586	13002515	SERV 1/24/13 MCALLISTER-PRSNR	01/31/14	236075	614.14-
PREMIER ORTHOPAEDICS Sum							1,129.85-
00001 PROUT, STELLA G (REFUNDS	CEMETERY SPA	02014247	13002577	BUY BACK CEMETERY SPACES	01/23/14	18471	100.00-
PROUT,STELLA G (REFUNDS Sum							100.00-
00001 PUCKETT MACHINERY COMPAN	P05C560853	00139374	13002599	REPR PTS U#18035 STREET	01/31/14	236076	278.37-
PUCKETT MACHINERY COMPAN Sum							278.37-
00001 QUALITY DOORS LLC	51723	00139274	13002544	REPR HANGAR DOOR AIRPORT	01/31/14	236079	1,264.50-
QUALITY DOORS LLC Sum							1,264.50-
00001 RAWLS, ARTIE PHOTOGRAPHY	2084-1	00139600	13002462	MAYOR/COUNCIL PORTRAIT	01/31/14	236081	170.00-
RAWLS,ARTIE PHOTOGRAPHY Sum							170.00-
00001 REED, MR & MRS TEDDYU D	CEMETERY SPA	02014248	13002578	BUY BACK CEMETERY SPACES	01/23/14	18472	350.00-
REED,MR & MRS TEDDYU D Sum							350.00-
00001 RJ YOUNG COMPANY	INV180530	00139170	13002484	COPIER MNT 11/28-12/27/13	01/31/14	236083	196.00-
00001 RJ YOUNG COMPANY	INV144746	00139637	13002549	COPIER 10/28-11/27/13 PLANN	01/31/14	236083	390.00-
00001 RJ YOUNG COMPANY	INV180528	00139637	13002550	COPIER 11/28-12/27/13 PLANN	01/31/14	236083	390.00-
RJ YOUNG COMPANY Sum							976.00-
00001 ROCKING C TRUCK & TRAILE	1290045777	00139335	13002692	REPR PTS U#11302 STREET	01/31/14	236085	405.00-
00001 ROCKING C TRUCK & TRAILE	1290045777 F	00139770	13002693	FRT CHGS PO#139335	01/31/14	236085	10.00-
ROCKING C TRUCK & TRAILE Sum							415.00-
00001 ROGERS, KEVIN & ASSOCIAT	TITLE OPINIO	00139682	13002593	TITLE OPINIONS LAND CODE	01/31/14	236086	7,500.00-
ROGERS, KEVIN & ASSOCIAT							

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum							7,500.00-
00001 ROPER SUPPLY CO LLC	44767	00139537	13002619	BATONS/HANDCUFFS RECRUIT CLS	01/31/14	236087	2,329.50-
ROPER SUPPLY CO LLC							
Sum							2,329.50-
00001 SCALES BIOLOGICAL LABORA	6782	00139617	13002552	ANALYTICAL FEES POLICE DEPT	01/31/14	236090	700.00-
00001 SCALES BIOLOGICAL LABORA	6703	00139617	13002553	ANALYTICAL FEES POLICE DEPT	01/31/14	236090	800.00-
00001 SCALES BIOLOGICAL LABORA	6702	00139618	13002554	ANALYTICAL FEES POLICE DEPT	01/31/14	236090	2,400.00-
SCALES BIOLOGICAL LABORA							
Sum							3,900.00-
00001 SCOTTS HYDRAULIC SERVICE	17052	00139379	13002572	REPRS U#14408 SANIT	01/31/14	236091	3,488.01-
SCOTTSHYDRAULIC SERVICE							
Sum							3,488.01-
00001 SHEPPARD, RICKY	TRAVEL REIMB	00139545	13002475	EXNS HAZ MATL CLASSES JKSN	01/31/14	236092	125.68-
SHEPPARD, RICKY							
Sum							125.68-
00001 SHOEMAKE, SHANNON	PETTY CASH 1	00139812	13002691	PETTY CASH TRAFFIC/CONSTR	01/31/14	236093	254.24-
SHOEMAKE, SHANNON							
Sum							254.24-
00001 SIMS, JULIUS HARDY	TRAVEL ADVAN	00139616	13002555	TRAV ADV FBINNA CONF PEARL,MS	01/31/14	236094	172.00-
SIMS, JULIUS HARDY							
Sum							172.00-
00001 SOLAR SUPPLY INC	3451537	00139412	13002466	HAND TOOLS POLICE MAINT DEPT	01/31/14	236095	39.27-
SOLAR SUPPLY INC							
Sum							39.27-
00001 SOUTH MS EMERGENCY PHYSI	129139259/27	00139581	13002516	SERV 11/16/13 POTIER-PRISONER	01/31/14	236097	763.00-
00001 SOUTH MS EMERGENCY PHYSI	129707756/27	00139581	13002517	SERV 11/15/13 SMITH-PRISONER	01/31/14	236097	763.00-
SOUTHMS EMERGENCY PHYSI							
Sum							1,526.00-
00001 SOUTHERN EYE CENTER PA I	738684 MITCH	00139582	13002518	SERV 5/14/13 MITCHELL-PRISONR	01/31/14	236100	236.74-
SOUTHERN EYE CENTER PA I							
Sum							236.74-
00001 SOUTHERN FINANCIAL SYSTE	CMCHAT2 12/1	02014239	13002574	POLICE FINES COLL.FEE	01/31/14	236101	1,315.28-
SOUTHERN FINANCIAL SYSTE							
Sum							1,315.28-
00001 SOUTHERN PINE ELECTRIC P	1/14 GENERAL	00020148	13002645	MNTHLY 1/14 PUBLIC SERVICES	01/31/14	236102	66.51-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
SOUTHERN PINE ELECTRIC P							
Sum							66.51-
00001 SOUTHERN PINES ANIMAL SH	10/13-12/13	00139759	13002679	CHANGE IN CONTRACT	01/31/14	236103	1,817.49-
00001 SOUTHERN PINES ANIMAL SH	2/14	00139759	13002680	HANDLING,HOUSING 2/14	01/31/14	236103	9,979.83-
SOUTHERN PINES ANIMAL SH							
Sum							11,797.32-
00001 STANDARD OFFICE SUPPLY C	0040906-001	00139411	13002463	COPY PAPER POLICE DEPT	01/31/14	236106	346.00-
00001 STANDARD OFFICE SUPPLY C	0040450-001	00139085	13002546	OFFICE SUPP CITY CLERK	01/31/14	236106	45.03-
00001 STANDARD OFFICE SUPPLY C	0040768-001	00139285	13002648	FILE CABINETS MUN COURT	01/31/14	236106	399.98-
00001 STANDARD OFFICE SUPPLY C	0041032-001	00139558	13002649	OFFICE SUPP ACCTG DEPT	01/31/14	236106	309.53-
00001 STANDARD OFFICE SUPPLY C	0040729-001	00139279	13002669	OFFICE SUPP LIFE OF S MS	01/31/14	236106	226.39-
STANDARD OFFICE SUPPLY C							
Sum							1,326.93-
00001 STREICHER'S POLICE EQUIP	I1068813	00139385	13002551	DRUG TEST KITS POLICE DEPT	01/31/14	236108	389.87-
STREICHER'S POLICE EQUIP							
Sum							389.87-
00001 SUNBELT FIRE INC	103815	00139640	13002561	REPRS U#8323 FIRE DEPT	01/31/14	236110	253.08-
00001 SUNBELT FIRE INC	82684	00138671	13002625	REPR PTS U#13560 FIRE DEPT	01/31/14	236110	312.83-
00001 SUNBELT FIRE INC	103812(B)	00139676	13002628	TEST TRUCK PUMP FIRE DEPT	01/31/14	236110	75.00-
00001 SUNBELT FIRE INC	103645	00138179	13002632	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103647	00138179	13002633	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103650	00138179	13002634	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103653	00138179	13002635	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103656	00138179	13002636	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103660	00138179	13002637	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103662	00138179	13002638	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103665	00138179	13002639	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103666	00138179	13002640	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103667	00138179	13002641	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103669	00138179	13002642	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103676	00138179	13002643	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001 SUNBELT FIRE INC	103812	00138179	13002644	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
SUNBELT FIRE INC							
Sum							3,890.91-
00001 TEMPLE INC	INV0128226	00139458	13002563	TRAFF SIGNAL POWER SUPPLIES	01/31/14	236112	1,314.85-
00001 TEMPLE INC	INV0128311	00138829	13002595	CONTROL CABINET HARDY/34TH	01/31/14	236112	7,522.00-
TEMPLEINC							
Sum							8,836.85-
00001 TRUCK SERVICE & EQUIPMEN	313828	00138536	13002629	ALIGNMENT U#18100 FIRE DEPT	01/31/14	236115	127.50-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
TRUCKSERVICE & EQUIPMEN							
Sum							127.50-
00001 TRUCKPRO INC	039-0545042	00139438	13002483	REPR PTS U#2681 FIRE DEPT	01/31/14	236116	67.27-
00001 TRUCKPRO INC	039-0545143	00139470	13002665	REPR PTS U#17727 SANIT	01/31/14	236116	450.87-
TRUCKPRO INC							
Sum							518.14-
00001 UNDERWOOD'S SMALL ENGINE	46685	00139781	13002689	OIL-FIREFIGHTING/ICE STORM	01/31/14	236117	54.00-
UNDERWOOD'S SMALL ENGINE							
Sum							54.00-
00001 UNITED PARCEL SERVICE IN	00008E1Y1503	00139724	13002656	SERV 12/27/13 POLICE DEPT	01/31/14	236118	17.45-
UNITEDPARCEL SERVICE IN							
Sum							17.45-
00001 UNIVERSITY OF MISSISSIPP	REG-BERNARDO	00139387	13002451	REG-BERNARDO MMCCA CNF BILOXI	01/31/14	236119	150.00-
UNIVERSITY OF MISSISSIPP							
Sum							150.00-
00001 V F W OF THE US	PARKING SPAC	00139190	13002495	PARKING SPACES 1/14	01/31/14	236120	75.00-
V F WOF THE US							
Sum							75.00-
00001 VERIZON WIRELESS	9717644399	00139577	13002454	HPD WIRELESS 12/2/13-1/1/14	01/31/14	236123	1,520.68-
VERIZON WIRELESS							
Sum							1,520.68-
00001 WAL-MART STORES INC	002255	00139184	13002560	MICROWAVE #6 FIRE STA	01/31/14	236126	139.00-
WAL-MART STORES INC							
Sum							139.00-
00001 WASTE PRO HATTIESBURG	357657	00139763	13002677	RECYCLE SRVS 12/13 SANIT	01/31/14	236129	20,784.30-
00001 WASTE PRO HATTIESBURG	357667	00139763	13002678	RECYCLE HAUL CHGS 12/13	01/31/14	236129	3,900.00-
WASTEPRO HATTIESBURG							
Sum							24,684.30-
00001 WATERS INTERNATIONAL TRU	8-240140029	00139471	13002570	REPR PTS U#17727 SANIT	01/31/14	236130	256.56-
00001 WATERS INTERNATIONAL TRU	8-240210059	00139636	13002606	REPR PTS VARI SANIT UNITS	01/31/14	236130	776.98-
WATERSINTERNATIONAL TRU							
Sum							1,033.54-
00001 WILLMUT GAS & OIL COMPAN	1/14 GENERAL	00020148	13002667	MNTHLY GAS-GENERAL	01/31/14	236134	1,569.85-
WILLMUT GAS & OIL COMPAN							

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
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Sum							1,569.85-

Sum							1,567,766.21-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PARKS& RECREATION FUND							
00002 ADCOCK POOLS AND SPA	66737	00139359	13000604	POOL CHEMICALS	01/31/14	235903	649.96-
ADCOCKPOOLS AND SPA							
Sum							649.96-
00002 AGEE, LEON	SPORTS SERV	02014260	13000670	SPORTS SUPPORT SERVICES	01/31/14	235908	75.00-
AGEE,LEON							
Sum							75.00-
00002 AGRI-AFC LLC	5004116	00139310	13000605	CHEMICALS VARI BALLFIELDS	01/31/14	235909	1,945.00-
AGRI-AFC LLC							
Sum							1,945.00-
00002 AMERICAN CONCRETE PRODUC	59086	00139462	13000608	BLDG MATLS CAMERON FLD RESTRM	01/31/14	235913	64.80-
AMERICAN CONCRETE PRODUC							
Sum							64.80-
00002 ANOINTED HANDS CLEANING	474	00139787	13000650	SERVS 1/14 GRNDS MAINT OFFICE	01/31/14	235914	250.00-
ANOINTED HANDS CLEANING							
Sum							250.00-
00002 ARMSTRONG, JAMES	SPORTS SERV	02014260	13000671	SPORTS SUPPORT SERVICES	01/31/14	235918	120.00-
ARMSTRONG, JAMES							
Sum							120.00-
00002 B S N SPORTS	95842692	00139514	13000646	BALLFLD BASES/HOME PLATES	01/31/14	235924	3,538.37-
B S NSPORTS							
Sum							3,538.37-
00002 BETTS, SHERMAN	OFFICIAL 1/1	02014259	13000654	OFFICIAL-ADULT BASKETBALL	01/31/14	235925	275.00-
BETTS,SHERMAN							
Sum							275.00-
00002 BRACKMAN MOWER WAREHOUSE	0126074	00139398	13000611	AGRI EQUIP REPR PTS	01/31/14	235930	334.50-
00002 BRACKMAN MOWER WAREHOUSE	0126070	00139388	13000613	LEAF VACUUM GRNDS MAINT	01/31/14	235930	700.00-
00002 BRACKMAN MOWER WAREHOUSE	0126069	00139391	13000614	CREW TRAILER GRNDS MAINT	01/31/14	235930	1,050.00-
00002 BRACKMAN MOWER WAREHOUSE	0126163	00139654	13000625	AGRI EQUIP REPR PTS GRNDS MNT	01/31/14	235930	273.40-
BRACKMAN MOWER WAREHOUSE							
Sum							2,357.90-
00002 BRADDOCK, ARETHA	OFFICIAL 1/1	02014259	13000655	OFFICIAL-YOUTH BASKETBALL	01/31/14	235932	300.00-
BRADDOCK, ARETHA							
Sum							300.00-
00002 BROWN, KIM	OFFICIAL 1/1	02014259	13000656	OFFICIAL-ADULT BASKETBALL	01/31/14	235935	150.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
BROWN,KIM							
Sum							150.00-
00002 C SPIRE WIRELESS (CELLUL	12/23/13-1/2	02014253	13000652	CELL SERV 1/14 PARKS & REC	01/31/14	235938	198.44-
C SPIRE WIRELESS (CELLUL							
Sum							198.44-
00002 CAMERON III, CHARLES	SPORTS SERVS	02014260	13000672	SPORTS SUPPORT SERVICES	01/31/14	235939	133.00-
CAMERON III, CHARLES							
Sum							133.00-
00002 CAMPER CITY OF HATTIESBU	25847	00139751	13000640	WIRING REPR U#16176	01/31/14	235940	150.00-
00002 CAMPER CITY OF HATTIESBU	25849	00139751	13000641	WIRING REPR U#17050	01/31/14	235940	50.00-
CAMPERCITY OF HATTIESBU							
Sum							200.00-
00002 CARQUEST AUTO PARTS STOR	14758-19960	00139459	13000610	REPR PTS U#11214 GRNDS MAINT	01/31/14	235943	85.38-
00002 CARQUEST AUTO PARTS STOR	14758-20368	00139542	13000638	REPR PTS U#9905 GRNDS MAINT	01/31/14	235943	24.44-
CARQUEST AUTO PARTS STOR							
Sum							109.82-
00002 CITY OF HATTIESBURG FUND	TRF 2ND 1/14	02014244	13000616	TRF 2ND 1/14 PAYROLL	01/22/14	36800	56,509.20-
CITY OF HATTIESBURG FUND							
Sum							56,509.20-
00002 CLINESIGNS	968	00139679	13000637	UNIT NUMBERS GRNDS MNT EQUIP	01/31/14	235948	45.00-
CLINESIGNS							
Sum							45.00-
00002 COLEMAN NURSERY	PO#139481 1/	00139481	13000606	RED MULCH MOBILE STREET	01/31/14	235950	85.00-
COLEMAN NURSERY							
Sum							85.00-
00002 COLQUITT, EMMA	SPORTS SERVS	02014260	13000673	SPORTS SUPPORT SERVICES	01/31/14	235951	84.00-
COLQUITT, EMMA							
Sum							84.00-
00002 DAKTECH COMPUTERS	INV0309424	00139326	13000645	LAPTOP REC ADM DEPT	01/31/14	235958	799.00-
DAKTECH COMPUTERS							
Sum							799.00-
00002 DAVIS, DONALD G	OFFICIAL 1/1	02014259	13000657	OFFICIAL-YOUTH BASKETBALL	01/31/14	235960	75.00-
DAVIS,DONALD G							
Sum							75.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00002 DENNIS, JAMES	OFFICIAL 1/1	02014259	13000661	OFFICIAL-YOUTH BASKETBALL	01/31/14	235961	75.00-
DENNIS, JAMES							
Sum							75.00-
00002 DIAMOND G REPAIRS	170289	00138886	13000622	#1 BAT CAGE REPR CAMERON FLD	01/31/14	235962	1,499.00-
00002 DIAMOND G REPAIRS	170290	00138886	13000623	#2 BAT CAGE REPR CAMERON FLD	01/31/14	235962	3,500.00-
DIAMOND G REPAIRS							
Sum							4,999.00-
00002 DIXIE YOUTH BASEBALL	2014 CONTRAC	00139762	13000651	2014 CONTRACT	01/31/14	235964	31,000.00-
DIXIEYOUTH BASEBALL							
Sum							31,000.00-
00002 ECONOMY SUPPLY CO	205659	00139389	13000612	DOORS-CAMERON FLD RESTROOM	01/31/14	235965	1,162.50-
00002 ECONOMY SUPPLY CO	206191	00139658	13000627	POWER CORDS GRNDS MAINT	01/31/14	235965	85.00-
00002 ECONOMY SUPPLY CO	205612	00139343	13000631	BLDG MATLS CAMERON FLD RESTRM	01/31/14	235965	3,866.36-
ECONOMY SUPPLY CO							
Sum							5,113.86-
00002 ELKINS WHOLESALE INC	197325-00	00139461	13000603	JANIT SUPP GRNDS MAINT	01/31/14	235966	19.98-
00002 ELKINS WHOLESALE INC	197866-00	00139653	13000624	LATEX GLOVES GRNDS MAINT	01/31/14	235966	79.90-
ELKINSWHOLESALE INC							
Sum							99.88-
00002 FERGUSON ENTERPRISES INC	1219292	00139234	13000609	PLUMB SUPP CAMERON FLD RESTRM	01/31/14	235976	65.30-
FERGUSON ENTERPRISES INC							
Sum							65.30-
00002 GRAVES, GARY L	OFFICIAL 1/1	02014259	13000658	OFFICIAL-YOUTH BASKETBALL	01/31/14	235994	300.00-
GRAVES, GARY L							
Sum							300.00-
00002 GRIFFIN, GABRIEL	OFFICIAL 1/1	02014259	13000659	OFFICIAL-ADULT/YTH BASKEBL	01/31/14	235995	200.00-
GRIFFIN, GABRIEL							
Sum							200.00-
00002 HARRIS, UNDREA	OFFICIAL 1/1	02014259	13000660	OFFICIAL-YOUTH BASKETBALL	01/31/14	235999	150.00-
HARRIS, UNDREA							
Sum							150.00-
00002 HOME DEPOT	7970679	00138885	13000649	STORAGE CONTAINERS GRNDS MNT	01/31/14	236002	65.91-
HOME DEPOT							
Sum							65.91-
00002 INDOFF INC	2394122	00139257	13000607	OFFICE SUPP GRNDS MAINT	01/31/14	236006	217.82-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
INDOFFINC							
Sum							217.82-
00002 JACKSON, ROOSEVELT III	9962789	00139684	13000643	PAINT FENCE TATUM SOCCER	01/31/14	236011	1,360.00-
JACKSON, ROOSEVELT III							
Sum							1,360.00-
00002 JET CONSTRUCTION	1762	00139114	13000634	TOPSOIL 49/59 & CLOVERLEAF	01/31/14	236012	600.00-
00002 JET CONSTRUCTION	1763	00139688	13000635	TOPSOIL 49/59 INTERCHANGE	01/31/14	236012	120.00-
00002 JET CONSTRUCTION	1764	00139689	13000636	TOPSOIL 49/59 INTERCHANGE	01/31/14	236012	168.00-
JET CONSTRUCTION							
Sum							888.00-
00002 KEATON, CHRISTOPHER	OFFICIAL 1/1	02014259	13000662	OFFICIAL-YOUTH BASKETBALL	01/31/14	236015	125.00-
KEATON, CHRISTOPHER							
Sum							125.00-
00002 KEELING COMPANY (HATTIES	S2564765.001	00139706	13000647	SPRINKLER HEAD TATUM PARK	01/31/14	236016	391.14-
KEELING COMPANY (HATTIES							
Sum							391.14-
00002 KELLY, KEITH	OFFICIAL 1/1	02014259	13000663	OFFICIAL-YOUTH BASKETBALL	01/31/14	236017	100.00-
KELLY,KEITH							
Sum							100.00-
00002 KETTLEY, ANNETTE	SPORTS SERVS	02014260	13000674	SPORTS SUPPORT SERVICES	01/31/14	236018	84.00-
KETTLEY, ANNETTE							
Sum							84.00-
00002 KEYS, MECHEKA	SPORTS SERVS	02014260	13000675	SPORTS SUPPORT SERVICES	01/31/14	236019	196.00-
KEYS,MECHEKA							
Sum							196.00-
00002 KIRKSEY, NANCY JONES	SPORTS SERVS	02014260	13000676	SPORTS SUPPORT SERVICES	01/31/14	236020	310.00-
KIRKSEY, NANCY JONES							
Sum							310.00-
00002 LINDSEY, TABORIS	OFFICIAL 1/1	02014259	13000664	OFFICIAL-ADULT BASKETBALL	01/31/14	236027	75.00-
LINDSEY, TABORIS							
Sum							75.00-
00002 LOCKE, JACKIE W	OFFICIAL 1/1	02014259	13000665	OFFICIAL-ADULT BASKETBALL	01/31/14	236028	150.00-
LOCKE,JACKIE W							
Sum							150.00-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00002	MARTIN RADIATOR, TIRE &	PO#139650 1/	00139650	13000628	REPR PTS U#8647 GRNDS MAINT	01/31/14	236031	60.00-
00002	MARTIN RADIATOR, TIRE &	PO#139745 1/	00139745	13000639	REPRS U#7383 GRNDS MAINT	01/31/14	236031	65.00-
	MARTINRADIATOR, TIRE &							
	Sum							125.00-
00002	MIKE'S TIRE & WHEEL CO	2172025	00139562	13000629	TIRE U#11961 GRNDS MAINT	01/31/14	236040	208.04-
00002	MIKE'S TIRE & WHEEL CO	2172123	00139655	13000630	TRAILER TIRES U#17050	01/31/14	236040	262.95-
	MIKE'STIRE & WHEEL CO							
	Sum							470.99-
00002	MILLER, LLOYD M	OFFICIAL 1/1	02014259	13000666	OFFICIAL-ADULT BASKETBALL	01/31/14	236041	175.00-
	MILLER, LLOYD M							
	Sum							175.00-
00002	MS POWER COMPANY	1/14 PKS/REC	00020148	13000653	MNTHLY ELEC-PARKS & REC	01/31/14	236050	8,495.12-
	MS POWER COMPANY							
	Sum							8,495.12-
00002	NAPA AUTO PARTS	501451	00139652	13000626	LUBRICANTS GRNDS MAINT UNITS	01/31/14	236055	243.18-
	NAPA AUTO PARTS							
	Sum							243.18-
00002	NEEL-SCHAFFER INC	1015151-13-1	00136963	13000648	FOUNDATION REPR SHERRILL CNTR	01/31/14	236058	1,905.02-
	NEEL-SCHAFFER INC							
	Sum							1,905.02-
00002	PATTERSON, ISIAH	SPORTS SERVS	02014260	13000677	SPORTS SUPPORT SERVICES	01/31/14	236067	160.00-
	PATTERSON, ISIAH							
	Sum							160.00-
00002	PEANUTS TOWING SERVICE	65298	00139742	13000642	TOWING U#7382 GRNDS MAINT	01/31/14	236068	75.00-
	PEANUTS TOWING SERVICE							
	Sum							75.00-
00002	PLAY IT AGAIN SPORTS	PO#139405 1/	00139405	13000615	YTH BASKETBALL JERSEYS 2014	01/31/14	236073	2,862.00-
	PLAY IT AGAIN SPORTS							
	Sum							2,862.00-
00002	POWELL, RANDY	SPORTS SERVS	02014260	13000678	SPORTS SUPPORT SERVICES	01/31/14	236074	203.00-
	POWELL, RANDY							
	Sum							203.00-
00002	RAY, RONNIE	OFFICIAL 1/1	02014259	13000667	OFFICIAL-YOUTH SPORTS	01/31/14	236082	200.00-
	RAY, RONNIE							

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum							200.00-
00002 ROBINSON, MARVIN	OFFICIAL 1/1	02014259	13000668	OFFICIAL-YOUTH SPORTS	01/31/14	236084	275.00-
ROBINSON, MARVIN							
Sum							275.00-
00002 SANFORD, JOHN L JR INC	46000	00139410	13000619	BALLFIELD DIRT EASTSIDE PARK	01/31/14	236089	192.00-
00002 SANFORD, JOHN L JR INC	45999	00139554	13000620	BALLFIELD MIX EASTSIDE PARK	01/31/14	236089	192.00-
SANFORD, JOHN L JR INC							
Sum							384.00-
00002 SOUTH MS BUSINESS MACHIN	AR73622	00139457	13000617	PRINTER SUPP REC ADM	01/31/14	236096	298.00-
SOUTHMS BUSINESS MACHIN							
Sum							298.00-
00002 SOUTHEASTERN CONCRETE CO	13477	00139494	13000618	CONCRETE-SIDEWLK REPR CAMERON	01/31/14	236098	78.50-
SOUTHEASTERN CONCRETE CO							
Sum							78.50-
00002 SUNSHINE EQUIPMENT CO IN	H04902	00139290	13000644	SOD CUTTER CITY WIDE USE	01/31/14	236111	5,252.00-
SUNSHINE EQUIPMENT CO IN							
Sum							5,252.00-
00002 VARNADO, ALEXZANDRIA	SPORTS SERVS	02014260	13000679	SPORTS SUPPORT SERVICES	01/31/14	236121	133.00-
VARNADO, ALEXZANDRIA							
Sum							133.00-
00002 VARNADO, UNDRA	SPORTS SERVS	02014260	13000680	SPORTS SUPPORT SERVICES	01/31/14	236122	203.00-
VARNADO, UNDRA							
Sum							203.00-
00002 VESELY'S NURSERY	PO#139649 1/	00139649	13000621	PANSY PLANTS CITY HALL	01/31/14	236124	90.00-
VESELY'S NURSERY							
Sum							90.00-
00002 WASHINGTON, TYLER ROYCE	OFFICIAL 1/1	02014259	13000669	OFFICIAL-YOUTH SPORTS	01/31/14	236128	120.00-
WASHINGTON, TYLER ROYCE							
Sum							120.00-
00002 WHEELER, CURTIS	SPORTS SERVS	02014260	13000681	SPORTS SUPPORT SERVICES	01/31/14	236132	266.00-
WHEELER, CURTIS							
Sum							266.00-
Sum							135,944.21-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PAYROLL FUND							
00006 ADVANCED RECOVERY SYSTEM	6028,4935	00201471	13000213	GARNISHMENT	01/24/14	18507	110.00-
ADVANCED RECOVERY SYSTEM							
Sum							110.00-
00006 AUTOMATED COLLECTION SER	5257	00201471	13000211	GARNISHMENT	01/24/14	18505	151.26-
AUTOMATED COLLECTION SER							
Sum							151.26-
00006 CHILD SUPPORT ENFORCEMEN	3871	00201470	13000198	CHILD SUPPORT	01/24/14	18492	200.00-
CHILDSUPPORT ENFORCEMEN							
Sum							200.00-
00006 COUCH CONVILLE AND BLITT	6979	00201471	13000206	GARNISHMENT	01/24/14	18500	308.06-
COUCHCONVILLE AND BLITT							
Sum							308.06-
00006 COURTNEY & CAMP ATTYS (	2377	00201471	13000208	GARNISHMENT	01/24/14	18502	562.57-
COURTNEY & CAMP ATTYS (							
Sum							562.57-
00006 FAMILY SUPPORT PAYMENT C	9865	00201470	13000201	CHILD SUPPORT	01/24/14	18495	1,199.18-
FAMILYSUPPORT PAYMENT C							
Sum							1,199.18-
00006 FIRST HERITAGE CREDIT (G	9891	00201471	13000222	GARNISHMENT	01/27/14	18519	65.58-
FIRSTHERITAGE CREDIT (G							
Sum							65.58-
00006 FORREST CTY CHANCERY COU	01/2014	00201466	13000181	CHILD SUPPORT	01/24/14	18475	662.00-
FORREST CTY CHANCERY COU							
Sum							662.00-
00006 GAYLE SMITH	4645	00201470	13000202	CHILD SUPPORT	01/24/14	18496	302.38-
GAYLESMITH							
Sum							302.38-
00006 GREAT LAKES HIGHER EDUCA	1583	00201471	13000221	GARNISHMENT	01/27/14	18518	181.80-
GREATLAKES HIGHER EDUCA							
Sum							181.80-
00006 H F S RECOVERY (GARN)	5621	00201471	13000209	GARNISHMENT	01/24/14	18503	425.66-
H F SRECOVERY (GARN)							
Sum							425.66-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00006 HENLEY, LOTTERHOS & HENL	9998,5994,76	00201471	13000204	GARNISHMENT	01/24/14	18498	530.91-
HENLEY, LOTTERHOS & HENL Sum							530.91-
00006 INTERNAL REVENUE SERVICE	2081	00201469	13000187	GARNISHMENT	01/24/14	18481	100.00-
INTERNAL REVENUE SERVICE Sum							100.00-
00006 INTERNAL REVENUE SERVICE	9998	00201469	13000182	GARNISHMENT	01/24/14	18476	50.00-
00006 INTERNAL REVENUE SERVICE	2753	00201469	13000183	GARNISHMENT	01/24/14	18477	100.00-
00006 INTERNAL REVENUE SERVICE	0579	00201469	13000184	GARNISHMENT	01/24/14	18478	100.00-
00006 INTERNAL REVENUE SERVICE	6062	00201469	13000185	GARNISHMENT	01/24/14	18479	100.00-
00006 INTERNAL REVENUE SERVICE	6809	00201469	13000186	GARNISHMENT	01/24/14	18480	50.00-
INTERNAL REVENUE SERVICE Sum							400.00-
00006 JOHN R REEVES PC (CHILD	6467	00201470	13000199	CHILD SUPPORT	01/24/14	18493	150.00-
JOHN RREEVES PC (CHILD Sum							150.00-
00006 LAMAR CTY CHANCERY CLERK	0935	00201470	13000196	CHILD SUPPORT	01/24/14	18490	540.00-
LAMARCTY CHANCERY CLERK Sum							540.00-
00006 MENDELSON LAW FIRM (GARN	9865	00201471	13000220	GARNISHMENT	01/24/14	18514	126.15-
MENDELSON LAW FIRM (GARN Sum							126.15-
00006 NC CHILD SUPPORT CENTRAL	7589	00201470	13000197	CHILD SUPPORT	01/24/14	18491	220.00-
NC CHILD SUPPORT CENTRAL Sum							220.00-
00006 NEBRASKA CHILD SUPPORT (	4840	00201470	13000200	CHILD SUPPORT	01/24/14	19494	250.00-
NEBRASKA CHILD SUPPORT (							
Sum							250.00-
00006 PIPPY REAL ESTATE LLC	6809	00201471	13000205	GARNISHMENT	01/24/14	18499	171.47-
PIPPYREAL ESTATE LLC Sum							171.47-
00006 REPUBLIC FINANCE INC (G	8663	00201471	13000216	GARNISHMENT	01/24/14	18510	257.98-
REPUBLIC FINANCE INC (G Sum							257.98-
00006 RICHLAND COUNTY FAMILY C	4941	00201470	13000203	CHILD SUPPORT	01/24/14	18497	183.76-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
RICHLAND COUNTY FAMILY C							
Sum							183.76-
00006 STEVEN D SLADE (GARN)	0474	00201471	13000214	GARNISHMENT	01/24/14	18508	435.92-
STEVEN D SLADE (GARN)							
Sum							435.92-
00006 STOKES & CLINTON PC (GAR	8908,2566	00201471	13000223	GARNISHMENTS	01/27/14	18520	518.44-
STOKES & CLINTON PC (GAR							
Sum							518.44-
00006 U S DEPT OF TREASURY (GA	0253	00201471	13000218	GARNISHMENT	01/24/14	18512	162.64-
U S DEPT OF TREASURY (GA							
Sum							162.64-
00006 WINN BROWN LAW FIRM,THE	9380	00201471	13000217	GARNISHMENT	01/24/14	18511	413.53-
WINN BROWN LAW FIRM,THE							
Sum							413.53-
Sum							8,629.29-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATER& SEWER OPERATION/MAINT.							
00009 ADVANCED JANITORIAL SERV	20179 WTR OF	00139754	13000607	SERVS 1/14 WATER OFFICE	01/31/14	235905	495.00-
ADVANCED JANITORIAL SERV							
Sum							495.00-
00009 ALLBRITTON CHAIN SAW & L	27478	00138433	13000543	REPR CHOP SAW/CHAINSAW-SEWER	01/31/14	235912	130.63-
00009 ALLBRITTON CHAIN SAW & L	30592	00138433	13000544	REPR CHOP SAW/CHAINSAW-SEWER	01/31/14	235912	165.57-
ALLBRITTON CHAIN SAW & L							
Sum							296.20-
00009 AUTO ARMATURE SERVICE IN	12628	00139465	13000548	BATTERY U#14164 TRANS	01/31/14	235921	115.95-
AUTO ARMATURE SERVICE IN							
Sum							115.95-
00009 BLOSSMAN GAS INC	900149	00139727	13000614	PROPANE PLANT FORKLIFT	01/31/14	235927	30.00-
BLOSSMAN GAS INC							
Sum							30.00-
00009 BONNER ANALYTICAL TESTIN	54565	00139701	13000601	BOIL WTR SAMPLES 1/20/13	01/31/14	235929	238.50-
BONNERANALYTICAL TESTIN							
Sum							238.50-
00009 C SPIRE WIRELESS (CELLUL	12/23/13-1/2	02014253	13000615	CELL SERV 1/14 W&SO&M	01/31/14	235938	225.74-
C SPIRE WIRELESS (CELLUL							
Sum							225.74-
00009 CAMPER CITY OF HATTIESBU	25817	00139607	13000595	REMOTE WRENCH/VENT VISOR-SWR	01/31/14	235940	211.00-
CAMPERCITY OF HATTIESBU							
Sum							211.00-
00009 CARQUEST AUTO PARTS STOR	14758-20272	00139464	13000599	REPR PTS U#14760 TRANS	01/31/14	235943	164.32-
00009 CARQUEST AUTO PARTS STOR	14758-20373	00139549	13000610	REPR PTS U#14164 TRANS DEPT	01/31/14	235943	684.56-
00009 CARQUEST AUTO PARTS STOR	14758-20422	00139551	13000611	ADDL AMT PO#139549	01/31/14	235943	58.28-
CARQUEST AUTO PARTS STOR							
Sum							907.16-
00009 CENTRAL PIPE SUPPLY INC	X02330	00138926	13000536	COPPER DISK-WTR SERVICE CREW	01/31/14	235945	312.50-
00009 CENTRAL PIPE SUPPLY INC	X01380	00138985	13000538	PLUMB SUPP TRANS STOCK	01/31/14	235945	1,353.60-
00009 CENTRAL PIPE SUPPLY INC	X01871	00138985	13000539	PLUMB SUPP TRANS STOCK	01/31/14	235945	166.20-
00009 CENTRAL PIPE SUPPLY INC	X02448	00139342	13000593	PLUMB SUPP TRANS STOCK	01/31/14	235945	449.30-
00009 CENTRAL PIPE SUPPLY INC	X02548	00139342	13000594	PLUMB SUPP TRANS STOCK	01/31/14	235945	30.00-
00009 CENTRAL PIPE SUPPLY INC	X02707	00139579	13000600	WATER METERS TRANS DEPT	01/31/14	235945	4,955.00-
00009 CENTRAL PIPE SUPPLY INC	X02449	00139386	13000603	PLUMB SUPP TRANS STOCK	01/31/14	235945	577.85-
00009 CENTRAL PIPE SUPPLY INC	X02946	00139386	13000604	PLUMB SUPP SEWER STOCK	01/31/14	235945	95.05-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
CENTRAL PIPE SUPPLY INC							
Sum							7,939.50-
00009 CINTAS FIRST AID J71	OJ71119227	00139397	13000542	LEATHER WORK GLOVES WTR PLANT	01/31/14	235946	199.80-
00009 CINTAS FIRST AID J71	OJ71119220	00138865	13000545	EYE WASH LAGOON DIV	01/31/14	235946	150.00-
CINTASFIRST AID J71							
Sum							349.80-
00009 CITY OF HATTIESBURG FUND	TRF 2ND 1/14	02014244	13000564	TRF 2ND 1/14 PAYROLL	01/22/14	21726	98,270.79-
CITY OF HATTIESBURG FUND							
Sum							98,270.79-
00009 COBURN'S SUPPLY CO INC	606531951	00139263	13000537	HAND TOOLS WTR SERVICE TRUCKS	01/31/14	235949	247.14-
COBURN'S SUPPLY CO INC							
Sum							247.14-
00009 COMSOUTH	171536	00137558	13000552	RADIO REPR-HORNE-WTR PLANT	01/31/14	235953	425.00-
COMSOUTH							
Sum							425.00-
00009 D P C ENTERPRISES LP	212000068-14	00139275	13000540	CHEMICALS WESLEY/FORREST GEN	01/31/14	235956	624.00-
00009 D P C ENTERPRISES LP	212000069-14	00139275	13000541	CHEMICALS WESLEY/FORREST GEN	01/31/14	235956	624.00-
D P CENTERPRISES LP							
Sum							1,248.00-
00009 DATALINE ASSOCIATES	PCM26766	00138626	13000547	PRINTER SUPP WATER OFFICE	01/31/14	235959	179.00-
DATALINE ASSOCIATES							
Sum							179.00-
00009 G & K SERVICES	1035442441	00139589	13000565	UNIFORMS 12/03 TRANS	01/31/14	235987	43.56-
00009 G & K SERVICES	1035444579	00139589	13000566	UNIFORMS 12/10 TRANS	01/31/14	235987	43.56-
00009 G & K SERVICES	1035446717	00139589	13000567	UNIFORMS 12/17 TRANS	01/31/14	235987	43.56-
00009 G & K SERVICES	1035448858	00139589	13000568	UNIFORMS 12/24 TRANS	01/31/14	235987	43.56-
00009 G & K SERVICES	1035451013	00139589	13000569	UNIFORMS 12/31 TRANS	01/31/14	235987	43.56-
00009 G & K SERVICES	1035442444	00139589	13000570	MOP/MAT 12/03 PLANT	01/31/14	235987	19.90-
00009 G & K SERVICES	1035444582	00139589	13000571	MOP/MAT 12/10 PLANT	01/31/14	235987	19.90-
00009 G & K SERVICES	1035446720	00139589	13000572	MOP/MAT 12/17 PLANT	01/31/14	235987	19.90-
00009 G & K SERVICES	1035448861	00139589	13000573	MOP/MAT 12/24 PLANT	01/31/14	235987	19.90-
00009 G & K SERVICES	1035451016	00139589	13000574	MOP/MAT 12/31 PLANT	01/31/14	235987	19.90-
00009 G & K SERVICES	1035442442	00139589	13000575	UNIFORMS 12/03 PLANT	01/31/14	235987	48.00-
00009 G & K SERVICES	1035444580	00139589	13000576	UNIFORMS 12/10 PLANT	01/31/14	235987	48.00-
00009 G & K SERVICES	1035446718	00139589	13000577	UNIFORMS 12/17 PLANT	01/31/14	235987	48.00-
00009 G & K SERVICES	1035448859	00139589	13000578	UNIFORMS 12/24 PLANT	01/31/14	235987	48.00-
00009 G & K SERVICES	1035451014	00139589	13000579	UNIFORMS 12/31 PLANT	01/31/14	235987	48.00-
00009 G & K SERVICES	1035442440	00139589	13000580	UNIFORMS 12/03 SEWER	01/31/14	235987	132.20-
00009 G & K SERVICES	1035444578	00139589	13000581	UNIFORMSF 12/10 SEWER	01/31/14	235987	46.30-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00009	G & K SERVICES	1035446716	00139589	13000582	UNIFORMS 12/17 SEWER	01/31/14	235987	78.16-
00009	G & K SERVICES	1035448857	00139589	13000583	UNIFORMS 12/24 SEWER	01/31/14	235987	48.96-
00009	G & K SERVICES	1035451012	00139589	13000584	UNIFORMS 12/31 SEWER	01/31/14	235987	36.36-
00009	G & K SERVICES	1035442443	00139589	13000585	UNIFORMS 12/03 LAGOON	01/31/14	235987	15.84-
00009	G & K SERVICES	1035444581	00139589	13000586	UNIFORMS 12/10 LAGOON	01/31/14	235987	15.84-
00009	G & K SERVICES	1035446719	00139589	13000587	UNIFORMS 12/17 LAGOON	01/31/14	235987	15.84-
00009	G & K SERVICES	1035448860	00139589	13000588	UNIFORMS 12/24 LAGOON	01/31/14	235987	15.84-
00009	G & K SERVICES	1035451015	00139589	13000589	UNIFORMS 12/31 LAGOON	01/31/14	235987	15.84-

G & KSERVICES								
	Sum							978.48-
00009	INDOFF INC	2398927	00139475	13000590	OFFICE/JANIT SUPP WTR PLANT	01/31/14	236006	747.71-

INDOFFINC								
	Sum							747.71-
00009	LIFT'S, INC	719	00138906	13000591	REPR LANDING DOORS WTR PLANT	01/31/14	236026	3,960.00-

LIFT'S, INC								
	Sum							3,960.00-
00009	MAULDIN COMPANY	R27443	00139296	13000549	REPRS U#12486 TRANS	01/31/14	236033	1,176.50-
00009	MAULDIN COMPANY	R27444	00139340	13000550	ADDL AMT DUE PO#139296	01/31/14	236033	369.97-

MAULDIN COMPANY								
	Sum							1,546.47-
00009	MIKE'S TIRE & WHEEL CO	2172098	00139628	13000612	TIRE REPRS TRANS DEPT	01/31/14	236040	154.84-

MIKE'STIRE & WHEEL CO								
	Sum							154.84-
00009	MORGAN, C J INC	2013158	00139572	13000553	REPR VALVE 6TH AND ADELINE	01/31/14	236046	19,092.78-
00009	MORGAN, C J INC	2013160	00139572	13000554	INSTALL TAP SE RURAL HEALTH	01/31/14	236046	7,894.00-
00009	MORGAN, C J INC	2013165	00139572	13000555	TAP/SET METER CLARKE STA H49N	01/31/14	236046	4,794.79-
00009	MORGAN, C J INC	2013166	00139572	13000556	FURNISH PUMP JAMES ST	01/31/14	236046	4,109.87-
00009	MORGAN, C J INC	2013164	00139572	13000557	SEWER TAP CLARK STATION	01/31/14	236046	1,914.00-
00009	MORGAN, C J INC	2013163	00139572	13000558	PUMP HOLDING TANKS	01/31/14	236046	14,829.10-
00009	MORGAN, C J INC	2013161	00139572	13000559	TAP MANHOLE SE RURAL HEALTH	01/31/14	236046	1,270.00-
00009	MORGAN, C J INC	2013159	00139572	13000560	FURNISH PUMPS GRINDER STA	01/31/14	236046	2,022.89-
00009	MORGAN, C J INC	2013157	00139572	13000561	SAW ASPHALT-JEFF GREEN-SEWER	01/31/14	236046	2,488.00-
00009	MORGAN, C J INC	2013155	00139572	13000562	CHAIN HOISTS PUMP STATIONS	01/31/14	236046	14,290.76-
00009	MORGAN, C J INC	2013154	00139572	13000563	REPRS 63RD ST LIFT STA	01/31/14	236046	1,683.60-

MORGAN, C J INC								
	Sum							74,389.79-
00009	MS POWER COMPANY	1/14 W&SO&M	00020148	13000617	MNTHLY ELEC-W&SO&M	01/31/14	236050	87,106.25-

MS POWER COMPANY								

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum							87,106.25-
00009 NORTH LAMAR WATER ASSN	SWR BILLING	00139705	13000597	SEWER BILLING REPORT 11/13	01/31/14	236061	134.00-
NORTHLAMAR WATER ASSN							
Sum							134.00-
00009 OFFICE DEPOT INC	684531826001	00138480	13000535	PRINTER SUPP WATER OFFICE	01/31/14	236062	56.86-
00009 OFFICE DEPOT INC	1648847944	00139474	13000602	COMPUTER SUPP PLT #2 SCADA	01/31/14	236062	399.99-
OFFICEDEPOT INC							
Sum							456.85-
00009 PEARL RIVER VALLEY EPA (	1/14 W&SO&M	00020148	13000616	MNTHLY 1/14 PUBLIC SERVICES	01/31/14	236069	50.00-
PEARLRIVER VALLEY EPA (							
Sum							50.00-
00009 PUCKETT RENTS	425226-0001	00139273	13000551	SAFETY VESTS/TOOLS-SEWER	01/31/14	236077	1,140.36-
00009 PUCKETT RENTS	425252-0001	00139609	13000596	TRASH PUMP/HOSES SEWER DEPT	01/31/14	236077	166.65-
PUCKETT RENTS							
Sum							1,307.01-
00009 PUMP AND CONTROL SERVICE	489	00139407	13000546	MAINT/REPRS S LAGOON 1/7-10	01/31/14	236078	2,400.00-
PUMP AND CONTROL SERVICE							
Sum							2,400.00-
00009 RAWLS SPRINGS UTILITY DI	SWR BILLING	00139703	13000598	SEWER BILLING REPORT 12/13	01/31/14	236080	170.00-
RAWLSSPRINGS UTILITY DI							
Sum							170.00-
00009 SOUTHERN PINE ELECTRIC P	1/14 W&SO&M	00020148	13000605	MNTHLY 1/14 PUBLIC SERVICES	01/31/14	236102	923.26-
SOUTHERN PINE ELECTRIC P							
Sum							923.26-
00009 SOUTHERN WATERWORKS SUPP	51481	00138983	13000608	PLUMB SUPP TRANS DEPT	01/31/14	236104	75.00-
00009 SOUTHERN WATERWORKS SUPP	51575	00138983	13000609	PLUMB SUPP TRANS DEPT	01/31/14	236104	25.00-
SOUTHERN WATERWORKS SUPP							
Sum							100.00-
00009 U S POSTMASTER-POSTAGE (	PERMIT #213	00139189	13000534	PERMIT #213 POSTAGE W&W	01/21/14	21725	3,500.00-
U S POSTMASTER-POSTAGE (							
Sum							3,500.00-
00009 WATERS INTERNATIONAL TRU	805341	00139604	13000592	REPRS U#10811 SEWER	01/31/14	236130	1,826.12-
WATERSINTERNATIONAL TRU							
Sum							1,826.12-
00009 WILLMUT GAS & OIL COMPAN	1/14 W&SO&M	00020148	13000613	MNTHLY GAS-W&SO&M	01/31/14	236134	233.86-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
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WILLMUT GAS & OIL COMPAN							
Sum							233.86-
Sum							291,163.42-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATER& SEWER FUND							
00011 ALDERSGATE MISSION MAIN	WATER RFD AC	02014246	13000296	WATER OVERPAYMENT RFD	01/31/14	235911	221.76-
ALDERSGATE MISSION MAIN							
Sum							221.76-
00011 BUNTING, ROBIN	METER DEP RF	02014240	13000285	METER DEP REFUND	01/31/14	235936	52.94-
BUNTING, ROBIN							
Sum							52.94-
00011 CARTER, MEGAN	METER DEP RF	02014240	13000278	METER DEP REFUND	01/31/14	235944	2.16-
CARTER, MEGAN							
Sum							2.16-
00011 CROSBY, COLE L	WATER DEP RF	02014240	13000293	WATER DEP REFUND	01/31/14	235954	35.94-
CROSBY, COLE L							
Sum							35.94-
00011 FEATHERSTON, STEPHEN E	METER DEP RF	02014240	13000280	METER DEP REFUND	01/31/14	235974	35.94-
FEATHERSTON, STEPHEN E							
Sum							35.94-
00011 FORD, JOCELYN	WATER RFD AC	02014246	13000294	WATER OVERPAYMENT RFD	01/31/14	235978	22.06-
FORD,JOCELYN							
Sum							22.06-
00011 FORSYTHE ROBERT	METER DEP RF	02014240	13000282	METER DEP REFUND	01/31/14	235983	35.94-
FORSYTHE ROBERT							
Sum							35.94-
00011 HORNSBY AUTO WAREHOUSE	METER DEP RF	02014240	13000277	METER DEP REFUND	01/31/14	236003	2.17-
HORNSBY AUTO WAREHOUSE							
Sum							2.17-
00011 LONG, TERRY K	METER DEP RF	02014240	13000275	METER DEP REFUND	01/31/14	236029	.94-
LONG,TERRY K							
Sum							.94-
00011 MAGEE, REGENALD	METER DEP RF	02014240	13000279	METER DEP REFUND	01/31/14	236030	11.52-
MAGEE,REGENALD							
Sum							11.52-
00011 MARTIN, ALFRED	METER DEP RF	02014240	13000276	METER DEP REFUND	01/31/14	236032	40.00-
00011 MARTIN, ALFRED	WATER RFD AC	02014246	13000295	WATER OVERPAYMENT RFD	01/31/14	236032	133.60-
MARTIN, ALFRED							

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum							173.60-
00011 MORENO, BRENT E	METER DEP RF	02014240	13000281	METER DEP REFUND	01/31/14	236045	35.94-
MORENO, BRENT E							
Sum							35.94-
00011 NETWORK SERVICES (NSI)	10201490000	02014243	13000297	WATER COLLECTIONS FEES	01/31/14	236059	238.20-
NETWORK SERVICES (NSI)							
Sum							238.20-
00011 PALMORE, KATHERINE	METER DEP RF	02014240	13000289	METER DEP REFUND	01/31/14	236065	35.94-
PALMORE, KATHERINE							
Sum							35.94-
00011 PARKER, JOSEPH B.	METER DEP RF	02014240	13000290	METER DEP REFUND	01/31/14	236066	35.94-
PARKER, JOSEPH B.							
Sum							35.94-
00011 PERNICIARO, BAILEY E	METER DEP RF	02014240	13000286	METER DEP REFUND	01/31/14	236070	35.94-
PERNICIARO, BAILEY E							
Sum							35.94-
00011 THORNTON, MASON	METER DEP RF	02014240	13000287	METER DEP REFUND	01/31/14	236113	35.94-
THORNTON, MASON							
Sum							35.94-
00011 VICKERS ESTATES	METER DEP RF	02014240	13000288	METER DEP REFUND	01/31/14	236125	35.94-
VICKERS ESTATES							
Sum							35.94-
00011 WALKER ALVIN	METER DEP RF	02014240	13000291	METER DEP REFUND	01/31/14	236127	35.94-
WALKER ALVIN							
Sum							35.94-
00011 WESLEY BRELAND REALTOR	METER DEP RF	02014240	13000283	METER DEP REFUND	01/31/14	236131	24.80-
WESLEY BRELAND REALTOR							
Sum							24.80-
00011 WHEELER, ROBERT E	METER DEP RF	02014240	13000292	METER DEP REFUND	01/31/14	236133	24.80-
WHEELER, ROBERT E							
Sum							24.80-
Sum							1,134.35-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
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POLICEFORFEITURES FUND 00019 STOELTING CO.	REG-TRAXLER	00139597	13000027	REG-TRAXLER-POLYGRAPH SCHOOL	01/31/14	236107	4,995.00-

STOELTING CO. Sum							4,995.00-
00019 TREES & TRENDS	PO#138348 11	00138348	13000028	FERNS/PAL TREES DARE/GREAT	01/31/14	236114	735.94-

TREES& TRENDS Sum							735.94-

Sum							5,730.94-

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
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AIRPORT IMPROVEMENT FUND								
00039	ARE CONSULTANTS INC	131105F	00139804	13000033	SRVS RUNWAY REHAB/RESTORA	01/31/14	235916	16,877.28-

ARE CONSULTANTS INC								
Sum								16,877.28-
00039	SOUTHERN EARTH SCIENCES	51312106	00139803	13000034	SRVS AIRPT DRNGE/SAFETY AREA	01/31/14	236099	1,214.00-

SOUTHERN EARTH SCIENCES								
Sum								1,214.00-

Sum								18,091.28-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
MUNICIPAL ROAD & BRIDGE							
00072 CATERPILLAR FINANCIAL SE	CONT#0597687	02014241	13000075	BACKHOE LEASE PYMT DUE 1/29/14	01/21/14	41102	1,086.14-
CATERPILLAR FINANCIAL SE							
Sum							1,086.14-
00072 JACKSON BOWMAN & ARRINGT	54007	00139801	13000082	SRV 11/12-12/20/13 BRDWAY	01/31/14	236010	477.00-
JACKSON BOWMAN & ARRINGT							
Sum							477.00-
00072 LEWIS ELECTRIC	APPL #3 & FI	00139788	13000085	CONST 10/2-11/6 BONHOMIE/TATM	01/31/14	236025	10,989.80-
LEWISELECTRIC							
Sum							10,989.80-
00072 NEEL-SCHAFFER INC	1015609	00139789	13000076	SRVS 11/1-12/31/13 MIDTOWN	01/31/14	236058	8,987.28-
00072 NEEL-SCHAFFER INC	1015123	00139790	13000077	SRVS 11/13 DOWNTOWN IMPRVMNTS	01/31/14	236058	1,480.47-
00072 NEEL-SCHAFFER INC	1015116	00139791	13000078	SRVS 11/13 HARDY ST TRAFFIC	01/31/14	236058	1,269.50-
00072 NEEL-SCHAFFER INC	1015608	00139792	13000079	SRVS 12/13 LLT DEPOT/CHAIN PK	01/31/14	236058	2,837.24-
00072 NEEL-SCHAFFER INC	1015151-12-6	00139795	13000080	SRVS 11/13 CAMP ST IMPRVMNTS	01/31/14	236058	3,421.49-
00072 NEEL-SCHAFFER INC	1015325-99	00139797	13000081	SRVS 12/13 HAWKINS SRTS	01/31/14	236058	1,812.79-
00072 NEEL-SCHAFFER INC	1015151-11-2	00139793	13000083	SRVS 11/13 SIDEWALK PROJECT	01/31/14	236058	2,281.08-
00072 NEEL-SCHAFFER INC	1015151-7	00139796	13000084	SRVS 11/13 BIKE LANE STRIPING	01/31/14	236058	1,240.40-
00072 NEEL-SCHAFFER INC	APPL #4	00139786	13000086	SRV 11/13 BONHOMIE-TATUM	01/31/14	236058	4,771.01-
NEEL-SCHAFFER INC							
Sum							28,101.26-
Sum							40,654.20-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
MASS TRANSIT FUND							
00073 ADVANCED JANITORIAL SERV	20179 MASS T	00139754	13000158	SERVS 1/14 MASS TRANS OFFICE	01/31/14	235905	345.00-
ADVANCED JANITORIAL SERV							
Sum							345.00-
00073 C SPIRE WIRELESS (CELLUL	12/23/13-1/2	02014253	13000160	CELL SERV 1/14 MASS TRANSIT	01/31/14	235938	56.56-
C SPIRE WIRELESS (CELLUL							
Sum							56.56-
00073 CITY OF HATTIESBURG FUND	TRF 2ND 1/14	02014244	13000149	TRF 2ND 1/14 PAYROLL	01/22/14	18470	26,121.51-
CITY OF HATTIESBURG FUND							
Sum							26,121.51-
00073 CUMMINS MID SOUTH LLC	003-48341	00139243	13000152	REPR PTS GILLIG BUSES	01/31/14	235955	274.32-
00073 CUMMINS MID SOUTH LLC	003-48561	00139363	13000153	REPR PTS U#16235	01/31/14	235955	274.32-
CUMMINS MID SOUTH LLC							
Sum							548.64-
00073 EMPIRE TRUCK SALES (H'BU	RE006018072:	00139178	13000156	REPRS U#16234	01/31/14	235969	1,626.93-
EMPIRETRUCK SALES (H'BU							
Sum							1,626.93-
00073 GILLIG LLC	4979475	00139287	13000159	WINDSHIELDS U#16234 U#16235	01/31/14	235990	777.54-
GILLIGLLC							
Sum							777.54-
00073 IDVILLE	2645583	00139341	13000147	PHOTO ID PRINTER HCT RIDERS	01/31/14	236005	2,181.82-
IDVILLE							
Sum							2,181.82-
00073 MID AMERICA PARTS DIST-U	35091-00	00138912	13000150	BATTERIES U#16234,U#16235	01/31/14	236039	463.00-
00073 MID AMERICA PARTS DIST-U	51327-00	00138912	13000151	CORE CREDIT-BATTERIES	01/31/14	236039	240.00
MID AMERICA PARTS DIST-U							
Sum							223.00-
00073 MS POWER COMPANY	1/14 MASS TR	00020148	13000161	MNTHLY ELEC-MASS TRANSIT	01/31/14	236050	1,945.03-
MS POWER COMPANY							
Sum							1,945.03-
00073 OFFICE DEPOT INC	684532164001	00138547	13000148	OFFICE SUPP MASS TRANS OFFICE	01/31/14	236062	65.40-
OFFICEDEPOT INC							
Sum							65.40-
00073 RYAN MOTORS INC	223027	00139383	13000155	OIL CHG/ROTATE TIRES U#17382	01/31/14	236088	68.75-

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
		-----	-----	-----	-----	-----	-----	-----
RYAN MOTORS INC								
Sum								68.75-
00073	VERIZON WIRELESS	9718105608	00139693	13000154	GPS 12/11-1/10 PARATRANSIT	01/31/14	236123	201.39-

VERIZON WIRELESS								
Sum								201.39-

Sum								34,161.57-

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
		-----	-----	-----	-----	-----	-----	-----
WATER&SEWER CONSTRUCTION FUND								
00075	HRG (HATTIESBURG RESOURC	011003-01-14	00139805	13000040	SRV 11/1-12/31/13 USA YEAST	01/31/14	236004	57,200.89-

HRG (HATTIESBURG RESOURC								57,200.89-
Sum								-----
Sum								57,200.89-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
COMMUNITY CENTERS' FUND							
00077 C SPIRE WIRELESS (CELLUL	12/23/13-1/2	02014253	13000144	CELL SERV 1/14 COMM CNTRS	01/31/14	235938	49.61-
C SPIRE WIRELESS (CELLUL							
Sum							49.61-
00077 CARQUEST AUTO PARTS STOR	14758-18531	00138861	13000138	REPR PTS U#11200 COMM CNTRS	01/31/14	235943	317.03-
00077 CARQUEST AUTO PARTS STOR	14758-19341	00138954	13000139	REPR PTS U#11200 COMM CNTRS	01/31/14	235943	56.97-
CARQUEST AUTO PARTS STOR							
Sum							374.00-
00077 CITY OF HATTIESBURG FUND	TRF 2ND 1/14	02014244	13000137	TRF 2ND 1/14 PAYROLL	01/22/14	36800	20,848.34-
CITY OF HATTIESBURG FUND							
Sum							20,848.34-
00077 MS POWER COMPANY	1/14 COMM CN	00020148	13000145	MNTHLY ELEC-COMM CNTRS	01/31/14	236050	3,442.55-
MS POWER COMPANY							
Sum							3,442.55-
00077 NEEL-SCHAFFER INC	1015151-2	00137287	13000142	FOUNDATION REPR SHERRILL CNTR	01/31/14	236058	506.67-
NEEL-SCHAFFER INC							
Sum							506.67-
00077 SPECIALTY SERVICES LLC	#1 SHERRILL	00139743	13000141	BASEBOARD REPRS SHERRILL AUD	01/31/14	236105	475.00-
SPECIALTY SERVICES LLC							
Sum							475.00-
00077 WILLMUT GAS & OIL COMPAN	1/14 COMM CN	00020148	13000143	MNTHLY GAS-COMM CNTRS	01/31/14	236134	1,040.04-
WILLMUT GAS & OIL COMPAN							
Sum							1,040.04-
Sum							26,736.21-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
COMMUNITY DEVELOP. BLOCK GRANT 00082 BRATCHER, ANITA	TRAVEL ADVAN	00139753	13000113	TRAV ADV-GRANTMANSHIP TRNG	01/31/14	235933	819.83-
BRATCHER, ANITA Sum							819.83-
00082 C SPIRE WIRELESS (CELLUL	12/23/13-1/2	02014253	13000115	CELL SERV 1/14 CDBG	01/31/14	235938	31.93-
C SPIRE WIRELESS (CELLUL Sum							31.93-
00082 CITY OF HATTIESBURG FUND	TRF 2ND 1/14	02014244	13000105	TRF 2ND 1/14 PAYROLL	01/22/14	36804	8,947.14-
CITY OF HATTIESBURG FUND Sum							8,947.14-
00082 COMMUNITY CONNECTIONS (C	01/21/14	00139729	13000107	614 BARKLEY RD DRAW#3	01/27/14	36805	8,943.48-
00082 COMMUNITY CONNECTIONS (C	01/21/14	00139733	13000108	614 BARKLEY RD 50%DEVELOPS FEE	01/27/14	36806	3,050.00-
COMMUNITY CONNECTIONS (C Sum							11,993.48-
00082 DUCKSWORTH, TRACY (CDB	01/21/14	00139736	13000110	208 W 7TH TEM RELOC 1/1-1/31	01/27/14	36809	650.00-
DUCKSWORTH, TRACY (CDB Sum							650.00-
00082 GADDIS, DARRELL LEE (C	01/21/14	00139737	13000109	605 BROAD TEM RELOC 1/1-1/31	01/27/14	36807	650.00-
GADDIS, DARRELL LEE (C Sum							650.00-
00082 INDOFF INC	2399091	00139418	13000106	OFFICE SUPP CDBG/HOME PROGRAM	01/31/14	236006	208.95-
INDOFFINC Sum							208.95-
00082 JORDAN, KEVIN	TRAVEL ADVAN	00139750	13000114	TRAV ADV HOUSING CONF BILOXI	01/31/14	236014	402.10-
JORDAN, KEVIN Sum							402.10-
00082 SIMS, JOHN LEE	01/21/14	00139735	13000111	1802 EDWARD TEM RELOC 1/1-1/31	01/27/14	36810	650.00-
SIMS,JOHN LEE Sum							650.00-
Sum							24,353.43-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
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GrandTotal Level Sum							2,220,304.00-

CITY OF HATTIESBURG - GENERAL FUND								
DOCKET OF CLAIMS								
PERIOD ENDING JANUARY 31, 2014								
Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Date - 01/30/14	
							Check Amount	
GENERAL FUND								
00001	A A A AMBULANCE SERVICE	13-56892 JOH	00139580	13002496	SERVS 11/8/13 SMITH-PRISONER	01/31/14	235901	585.60-
00001	A A A AMBULANCE SERVICE	13-55777 HOY	00139580	13002497	SERVS 11/2/13 HOYLE-PRISONER	01/31/14	235901	265.20-
00001	A A A AMBULANCE SERVICE	13-45810 ROL	00139580	13002498	SERV 9/9/13 ROLLINS-PRISONER	01/31/14	235901	259.12-
00001	A A A AMBULANCE SERVICE	13-58328 POT	00139580	13002499	SERV 11/16/13 POTIER-PRISONER	01/31/14	235901	265.20-
00001	A A A AMBULANCE SERVICE	13-58211 JOH	00139580	13002500	SERV 11/15/13 SMITH-PRISONER	01/31/14	235901	240.84-
A A AAMBULANCE SERVICE								
Sum								1,615.96-
00001	ADVANCE AUTO PARTS	560440084704	00139081	13002486	AIR HOSE PUBLIC WORKS SHOP	01/31/14	235904	58.54-
ADVANCE AUTO PARTS								
Sum								58.54-
00001	ADVANCED JANITORIAL SERV	20179 CITY H	00139754	13002650	SERVS 1/14 CITY HALL	01/31/14	235905	1,925.00-
00001	ADVANCED JANITORIAL SERV	20179 TRAFFI	00139754	13002651	SERVS 1/14 TRAFFIC OFFICE	01/31/14	235905	250.00-
ADVANCED JANITORIAL SERV								
Sum								2,175.00-
00001	AERIAL TRUCK EQUIP CO IN	18035	00139346	13002573	BUCKET TRUCK REPR PTS	01/31/14	235906	415.10-
AERIALTRUCK EQUIP CO IN								
Sum								415.10-
00001	AFFORDABLE EMERGENCY LIG	642	00139525	13002540	CAMERA REPR U#18326 POLICE	01/31/14	235907	85.00-
00001	AFFORDABLE EMERGENCY LIG	643	00139525	13002541	REPR FOGLIGHTS U#17996 POLICE	01/31/14	235907	85.00-
00001	AFFORDABLE EMERGENCY LIG	645	00139776	13002688	SIREN REPR U#16876 POLICE	01/31/14	235907	85.00-
AFFORDABLE EMERGENCY LIG								
Sum								255.00-
00001	AGRI-AFC LLC	5004660	00139623	13002590	LAWN CARE SUPP #2 FIRE STA	01/31/14	235909	33.50-
AGRI-AFC LLC								
Sum								33.50-
00001	AINSWORTH, PATSY REPORTI	21888PRP	00139599	13002460	TRANSCRIPT CIVIL SERV HEARING	01/31/14	235910	463.00-
AINSWORTH, PATSY REPORTI								
Sum								463.00-
00001	APPLIED FORCE TECHNOLOGI	2014-495	00139651	13002690	CRASH RESCUE EQUIPMENT	01/31/14	235915	2,166.00-
APPLIED FORCE TECHNOLOGI								
Sum								2,166.00-
00001	AREA DEVELOPMENT PARTNER	1/21/14	00139641	13002450	HUBFEST ADVERTISING	01/21/14	18469	2,500.00-

00001	BROADWAY DRIVE TIRE	090352	00139378	13002565	TIRES U#15670,U#15671 STREET	01/31/14	235934	662.40-
BROADWAY DRIVE TIRE								
Sum								
00001	BUSTER'S TOWING	PO#139595 1/	00139595	13002470	TOWING SIEZED VEHICLE	01/31/14	235937	662.40- 150.00-
BUSTER'S TOWING								
Sum								
00001	C SPIRE WIRELESS (CELLUL	12/23/13-1/2	02014253	13002694	CELL SERV 1/14 VARI DEPTS	01/31/14	235938	150.00- 7,028.06-
C SPIRE WIRELESS (CELLUL								
Sum								
00001	CAMPER CITY OF HATTIESBU	25789	00139510	13002493	TRAILER TIRE U#18607 CEMETERY	01/31/14	235940	7,028.06- 165.00-
CAMPERCITY OF HATTIESBU								
Sum								
00001	CANON FINANCIAL SERVICES	13448475	00139802	13002668	COPIER RENT 12/13-1/14 PURCH	01/31/14	235941	165.00- 230.00-
CANONFINANCIAL SERVICES								
Sum								
00001	CARQUEST AUTO PARTS STOR	14758-19524	00139194	13002597	REPR PTS U#17528 TRAFFIC	01/31/14	235943	230.00- 80.78-
00001	CARQUEST AUTO PARTS STOR	14758-18857	00138976	13002620	REPR PTS POLICE STOCK	01/31/14	235943	70.78-
00001	CARQUEST AUTO PARTS STOR	14758-18858	00138976	13002621	REPR PTS U#11740 POLICE	01/31/14	235943	95.65-
00001	CARQUEST AUTO PARTS STOR	14758-19184	00139133	13002622	REPR PTS U#17314 POLICE	01/31/14	235943	118.45-
00001	CARQUEST AUTO PARTS STOR	14758-19957	00139493	13002623	REPR PTS POLICE STOCK	01/31/14	235943	714.60-
00001	CARQUEST AUTO PARTS STOR	14758-20365	00139534	13002673	REPR PTS U#9905 SHOP	01/31/14	235943	18.71-
CARQUEST AUTO PARTS STOR								
Sum								
00001	CITY OF HATTIESBURG FUND	TRF 2ND 1/14	02014244	13002545	TRF 2ND 1/14 PAYROLL	01/22/14	18470	1,098.97- 993,293.81-
00001	CITY OF HATTIESBURG FUND	TRF INTERIM	02014258	13002685	TRF INTERIM 1/24 PAYROLL	01/27/14	18524	316.54-
CITY OF HATTIESBURG FUND								
Sum								
00001	CLEMTS HARDWARE	108078	00139319	13002491	PLUMB SUPP CEMETERY	01/31/14	235947	993,610.35- 444.93-
CLEMTSHARDWARE								
Sum								
00001	COBURN'S SUPPLY CO INC	606461736	00138774	13002602	MINI ROOTER CONSTR DEPT	01/31/14	235949	444.93- 612.17-
COBURN'S SUPPLY CO INC								
Sum								
00001	COMPREHENSIVE RADIOLOGY	CRS100061921	00139585	13002501	SERV 7/31/13 MCGILL-PRISONER	01/31/14	235952	612.17- 40.00-
00001	COMPREHENSIVE RADIOLOGY	CRS100110133	00139585	13002502	SERV 11/8/13 SMITH-PRISONER	01/31/14	235952	198.00-
00001	COMPREHENSIVE RADIOLOGY	10011387201	00139585	13002503	SERV 11/16/13 POTIER-PRISONER	01/31/14	235952	425.00-
00001	COMPREHENSIVE RADIOLOGY	10011387201	00139585	13002504	SERV 11/16/13 POTIER-PRISONER	01/31/14	235952	39.00-
00001	COMPREHENSIVE RADIOLOGY	10011385801	00139585	13002505	SERV 11/16/13 BRACKETT-PRISNR	01/31/14	235952	30.00-

COMPREHENSIVE RADIOLOGY

Sum								732.00-
00001	COMSOUTH	172230	00139501	13002626	RADIO REPR FIRE DEPT	01/31/14	235953	114.75-
00001	COMSOUTH	172229	00139501	13002627	RADIO REPR FIRE DEPT	01/31/14	235953	37.50-

COMSOUTH

Sum								152.25-
00001	D P S CRIME LAB	IN 711 14CL0	00139573	13002468	ANALYTICAL SERVS 12/13 POLICE	01/31/14	235957	150.00-

D P SCRIME LAB

Sum								150.00-
00001	DILLARDS DEPARTMENT STOR	P933600D100X	00139508	13002587	CLOTH ALLOW-J FRAZIER-POLICE	01/31/14	235963	293.99-

DILLARDS DEPARTMENT STOR

Sum								293.99-
00001	ECONOMY SUPPLY CO	205262	00139213	13002542	BLDG MATLS #2 FIRE STA	01/31/14	235965	1,012.64-

ECONOMY SUPPLY CO

Sum								1,012.64-
00001	EMERGENCY EQUIPMENT PROF	408964	00139482	13002478	REPR PTS U#13933 FIRE DEPT	01/31/14	235967	4,441.13-
00001	EMERGENCY EQUIPMENT PROF	408966	00139507	13002479	REPR PTS U#11353 FIRE DEPT	01/31/14	235967	42.01-

EMERGENCY EQUIPMENT PROF

Sum								4,483.14-
00001	EMERGENCY VETS	9585 25504	00139576	13002467	SERVS PENDA POLICE K-9	01/31/14	235968	344.95-

EMERGENCY VETS

Sum								344.95-
00001	EQUIFAX INFORMATION SERV	8284897	00139694	13002588	ONLINE BACKGROUND SEARCHES	01/31/14	235970	42.26-

EQUIFAX INFORMATION SERV

Sum								42.26-
00001	EXPERT TIRE	188737	00139550	13002485	ALIGNMENT U#14700 FIRE DEPT	01/31/14	235971	49.99-

EXPERTTIRE

Sum								49.99-
00001	F B I NATIONAL ACADEMY-M	REG-SIMS 4/2	00139614	13002556	REG-SIMS CONF PEARL MS	01/31/14	235972	100.00-

F B INATIONAL ACADEMY-M

Sum								100.00-
00001	FASTENAL COMPANY	MSHAT166988	00139176	13002487	ELEC SUPP CONSTR DEPT	01/31/14	235973	70.14-
00001	FASTENAL COMPANY	MSHAT167065	00139233	13002543	SIGNAL EQUIP PTS TRAFFIC DEPT	01/31/14	235973	281.19-

FASTENAL COMPANY

Sum								351.33-
00001	FEDERAL EXPRESS	2-527-68253(	00139690	13002581	SERVS 1/7/14 MUN CLERK	01/31/14	235975	23.30-
00001	FEDERAL EXPRESS	2-527-68253(	00139690	13002582	SERVS 1/7-8/14 ENGR DEPT	01/31/14	235975	37.00-

FEDERAL EXPRESS

Sum								60.30-
00001	FLOWERS BY MARIAM	004683	00139683	13002579	BALLOONS-BREAST CANCER ADV	01/31/14	235977	40.00-

FLOWERS BY MARIAM

Sum								40.00-
00001	FORREST CTY SUPERVISORS	JAIL 10/13 E	00139593	13002519	JAIL 10/13 EXPENSES	01/31/14	235979	76,560.00-
00001	FORREST CTY SUPERVISORS	JAIL 10/13 M	00139593	13002520	JAIL 10/13 MEDICAL	01/31/14	235979	1,548.09-
00001	FORREST CTY SUPERVISORS	JAIL 11/13 E	00139593	13002521	JAIL 11/13 EXPENSES	01/31/14	235979	76,920.00-
00001	FORREST CTY SUPERVISORS	JAIL 11/13 M	00139593	13002522	JAIL 11/13 MEDICAL	01/31/14	235979	1,913.36-

FORREST CTY SUPERVISORS

Sum								156,941.45-
00001	FORREST GENERAL HOSPITAL	H90011358300	00139587	13002508	SERV 11/16/13 SMITH-PRISONER	01/31/14	235980	9,507.30-
00001	FORREST GENERAL HOSPITAL	H90011385801	00139587	13002509	SERV 11/16/13 BRACKETT-PRSNR	01/31/14	235980	919.55-
00001	FORREST GENERAL HOSPITAL	H90009057900	00139587	13002510	SERV 9/29/13 THOMAS-PRISONER	01/31/14	235980	3,085.00-
00001	FORREST GENERAL HOSPITAL	H90008693100	00139587	13002511	SERV 9/21/13 C SMITH-PRISONER	01/31/14	235980	1,223.00-
00001	FORREST GENERAL HOSPITAL	900008583 PE	00139587	13002512	SERV 4/13/13 PENNICK-PRISONER	01/31/14	235980	6,100.00-
00001	FORREST GENERAL HOSPITAL	H90010715000	00139667	13002594	SERVS 11/2/13 HOYLE-PRISONER	01/31/14	235980	3,477.50-

FORREST GENERAL HOSPITAL

Sum								24,312.35-
00001	FORREST GENERAL HOSPITAL	EAP CHARGE 1	00139191	13002459	EAP CHARGE 1/14	01/31/14	235981	1,785.00-

FORREST GENERAL HOSPITAL

Sum								1,785.00-
00001	FORREST GENERAL PHYSICIA	1141131 DICK	00139584	13002506	SERV 8/17/13 DICKINSON-PRSNR	01/31/14	235982	60.00-
00001	FORREST GENERAL PHYSICIA	1141121 DICK	00139584	13002507	SERV 8/17/13 DICKINSON-PRSNR	01/31/14	235982	225.00-

FORREST GENERAL PHYSICIA

Sum								285.00-
00001	FUELMAN OF MS	BG127044 NP4	00139668	13002586	FUEL CHGS 1/6-12/14 POLICE	01/31/14	235984	189.50-

FUELMAN OF MS

Sum								189.50-
00001	GARNER LUMLEY ELECTRIC S	496016	00139460	13002489	ELEC SUPP CONSTR DEPT	01/31/14	235988	34.27-

GARNERLUMLEY ELECTRIC S

Sum								34.27-
00001	GILKEY ELECTRIC SUPPLY C	251847	00138923	13002476	BATTERIES FIRE SAFETY EQUIP	01/31/14	235989	260.16-

GILKEYELECTRIC SUPPLY C

Sum								260.16-
00001	GLADDEN LAW OFFICE PLLC	10346	00139601	13002455	SRVS LIGHTHOUSE RESCUE MISSION	01/31/14	235991	1,034.25-
00001	GLADDEN LAW OFFICE PLLC	10347	00139601	13002456	SRVS PEARSON'S FIREWORKS	01/31/14	235991	1,793.40-
00001	GLADDEN LAW OFFICE PLLC	10348	00139601	13002457	SRVS SHARON MARK VS CITY	01/31/14	235991	287.00-
00001	GLADDEN LAW OFFICE PLLC	10349	00139601	13002458	SRVS PEDDLERS/SOLICITORS ORD	01/31/14	235991	238.00-
00001	GLADDEN LAW OFFICE PLLC	10350	00139645	13002584	SERVS ADA SIDEWALK COMPLIANCE	01/31/14	235991	616.00-

GLADDEN LAW OFFICE PLLC

Sum								3,968.65-
00001	GLOBAL ELECTRIC & SAFETY	04026	00139555	13002596	SAFETY VESTS TRAFFIC DEPT	01/31/14	235992	53.96-

GLOBALELECTRIC & SAFETY

Sum								53.96-
00001	GORDON INDUSTRIAL SERVI	3497	00139639	13002682	REPRS U#18602 BUCKET TRUCK	01/31/14	235993	225.00-

GORDONINDUSTRIAL SERVI

Sum								225.00-
00001	GROVER'S PAINTING INC	3098	00135260	13002652	EXTERIOR PAINTING TRAIN DEPOT	01/31/14	235996	47,500.00-
00001	GROVER'S PAINTING INC	3102	00139698	13002653	REPR WINDOWS TRAIN DEPOT	01/31/14	235996	2,500.00-

GROVER'S PAINTING INC

Sum								50,000.00-
00001	H'BURG CLINIC PA (PRISON	2293741 HAYE	00139583	13002513	SERV 4/10/13 HAYES-PRISONER	01/31/14	235997	132.00-

H'BURGCLINIC PA (PRISON

Sum								132.00-
00001	H'BURG HYDRAULICS INC	54202	00139468	13002494	REPRS U#11995 FORESTRY	01/31/14	235998	470.71-
00001	H'BURG HYDRAULICS INC	54205	00139331	13002566	REPR PTS U#12956 STREET	01/31/14	235998	58.65-
00001	H'BURG HYDRAULICS INC	54204	00139331	13002567	REPR PTS U#17724 SANIT	01/31/14	235998	90.83-
00001	H'BURG HYDRAULICS INC	54203	00139375	13002568	REPRS U#15893 STREET	01/31/14	235998	306.87-

H'BURGHYDRAULICS INC

Sum								927.06-
00001	HANCOCK BANK TRUST & FIN	1/23/14 DUE	02014249	13002612	MDB 2001 BONDS 12/22/08	01/24/14	18517	2,097.95-

HANCOCK BANK TRUST & FIN

Sum								2,097.95-
00001	HERCULES WIRE ROPE & SLI	310509	00139646	13002604	REPR PTS U#14407 SANIT	01/31/14	236000	124.19-

HERCULES WIRE ROPE & SLI

Sum								124.19-
00001	HILL, LEROY COFFEE CO IN	15604	00139720	13002613	COFFEE SERV M/ADM	01/31/14	236001	86.08-

HILL,LEROY COFFEE CO IN

Sum								86.08-
00001	HOME DEPOT	3040650	00139222	13002674	FLOOR SCRAPER CONSTR DEPT	01/31/14	236002	31.47-

HOME DEPOT

Sum								31.47-
00001	INDOFF INC	2396700	00139364	13002589	PRINTER SUPP FIRE DEPT	01/31/14	236006	159.96-
00001	INDOFF INC	2372139	00138298	13002624	JANIT SUPP P/F ACADEMY	01/31/14	236006	291.86-
00001	INDOFF INC	2400361	00139529	13002657	OFFICE SUPP FIRE ADM	01/31/14	236006	517.82-
00001	INDOFF INC	2400377	00139529	13002658	COMPUTER SUPP FIRE ADM	01/31/14	236006	89.50-
00001	INDOFF INC	2400378	00139529	13002659	OFFICE SUPP FIRE ADM	01/31/14	236006	18.25-

00001	INDOFF INC	2399085	00139479	13002664	OFFICE SUPP PUBLIC WORKS	01/31/14	236006	255.05-
INDOFFINC								
Sum								
00001	INSTITUTE OF TRANSPORTAT	37920 THOMPS	00139648	13002598	2014 MBRSHP DUES THOMPSON	01/31/14	236007	1,332.44-
INSTITUTE OF TRANSPORTAT								
Sum								
00001	INTL ASSN OF CHIEFS OF P	1001096676 S	00139591	13002471	2014 MBRSHP DUES MAJOR SIMS	01/31/14	236008	260.00-
INTL ASSN OF CHIEFS OF P								
Sum								
00001	J M H GRAPHICS	S 26677	00139246	13002490	ARBOR DAY EVENT SHIRTS	01/31/14	236009	120.00-
J M HGRAPHICS								
Sum								
00001	JACKSON, ROOSEVELT III	9962787	00139611	13002683	PAINT HILND CEMETERY OFFICE	01/31/14	236011	648.40-
00001	JACKSON, ROOSEVELT III	9962788	00139530	13002684	PAINT BRICK COLUMNS HILND CEM	01/31/14	236011	3,750.00-
JACKSON, ROOSEVELT III								
Sum								
00001	JOHNNY'S WRECKER SERVICE	22654	00139466	13002666	TOWING U#17727 SANIT	01/31/14	236013	4,015.00-
JOHNNY'S WRECKER SERVICE								
Sum								
00001	LAMAR CTY SHERIFF	JAIL 11/13	00139588	13002523	JAIL EXPENSE 11/13	01/31/14	236021	300.00-
00001	LAMAR CTY SHERIFF	JAIL 12/13	00139588	13002524	JAIL EXPENSE 12/13	01/31/14	236021	40.00-
LAMARCTY SHERIFF								
Sum								
00001	LANCASTER'S MACHINE & WE	21588	00139670	13002605	REPRS U#17724 SANIT	01/31/14	236022	160.00-
LANCASTER'S MACHINE & WE								
Sum								
00001	LASERTEC	11730	00139692	13002583	SOFTWARE MAINT INFO TECH	01/31/14	236023	388.00-
LASERTEC								
Sum								
00001	LAUREL MACHINE & FOUNDRY	463350	00139467	13002663	TRAILER RAMP REPR PUB WORKS	01/31/14	236024	795.00-
LAURELMACHINE & FOUNDRY								
Sum								
00001	MCCAIN UNIFORMS	270712-1	00138038	13002529	UNIFORM PANTS-ROBINSON-POLICE	01/31/14	236034	50.39-
00001	MCCAIN UNIFORMS	273802-1	00138038	13002530	UNIFORM PANTS-ROBINSON-POLICE	01/31/14	236034	130.00-
00001	MCCAIN UNIFORMS	275802-1	00138038	13002531	UNIFORM PANTS-ROBINSON-POLICE	01/31/14	236034	130.00-
00001	MCCAIN UNIFORMS	275796-1	00138437	13002532	UNIFORM PANTS-POLICE STOCK	01/31/14	236034	195.00-
MCCAINUNIFORMS								

Sum								715.00-
00001	MCCRORY, DONALD P	SALARY 12/13	00139642	13002557	SALARY 12/13 HOMELND SEC TRNR	01/31/14	236035	2,100.00-
00001	MCCRORY, DONALD P	TRAVEL 12/13	00139642	13002558	TRAVEL EXPNS 12/13	01/31/14	236035	154.68-
00001	MCCRORY, DONALD P	CELL PHONE 1	00139642	13002559	CELL PHONE USE 12/13	01/31/14	236035	136.92-

MCCRORY, DONALD P								
Sum								2,391.60-
00001	MCELHANEY PLUMBING INC	215443	00139544	13002492	PLUMB SUPP CEMETERY	01/31/14	236036	76.25-
00001	MCELHANEY PLUMBING INC	215197	00139352	13002600	PLUMB SUPP SHOP DEPT	01/31/14	236036	60.00-
00001	MCELHANEY PLUMBING INC	215197(B)	00139629	13002601	ADDL AMT DUE PO#139352	01/31/14	236036	12.60-

MCELHANEY PLUMBING INC								
Sum								148.85-
00001	MCMULLAN EQUIPMENT CO	152190P	00139561	13002539	REPR PTS POLICE STOCK	01/31/14	236037	580.50-

MCMULLAN EQUIPMENT CO								
Sum								580.50-
00001	MEGAGATE	205876-00 12	00139575	13002453	INET/NETWORK 1/14 INFO TECH	01/31/14	236038	14,382.40-

MEGAGATE								
Sum								14,382.40-
00001	MINGLEDORFF'S INC	5098362-00	00139070	13002474	HEAT/AC REPR PTS P/F ACADEMY	01/31/14	236042	343.00-

MINGLEDORFF'S INC								
Sum								343.00-
00001	MINIT MART	12334	00139674	13002617	LUNCHES-TAX TRNG VOLUNTEERS	01/31/14	236043	80.00-

MINITMART								
Sum								80.00-
00001	MITCHELL TOOL SALES & SE	88971	00139437	13002477	HAND TOOLS FIRE DEPT	01/31/14	236044	84.99-
00001	MITCHELL TOOL SALES & SE	88933	00138929	13002488	HAND TOOLS CONSTR DEPT	01/31/14	236044	45.89-

MITCHELL TOOL SALES & SE								
Sum								130.88-
00001	MS DEPT OF INFORMATION T	IN 601 COH19	02014257	13002686	LONG DIST 1/14 VARI DEPTS	01/31/14	236047	13,471.24-

MS DEPT OF INFORMATION T								
Sum								13,471.24-
00001	MS FIRE & SAFETY OF HBUR	37495	00139409	13002592	HOOD SYS SERV VARI FIRE STA	01/31/14	236048	570.00-

MS FIRE & SAFETY OF HBUR								
Sum								570.00-
00001	MS MUSIC INC	713724	00139680	13002585	SOUND SYS MEMORIAL DAY SERV	01/31/14	236049	370.00-

MS MUSIC INC								
Sum								370.00-
00001	MS POWER COMPANY	1/14 GENERAL	00020148	13002697	MNTHLY ELEC-GENERAL	01/31/14	236050	107,571.18-

MS POWER COMPANY

Sum								107,571.18-
00001	MS STATE/TAX COMM/TAX EX	PO#139563 1/	00139563	13002465	TAGS VARI POLICE UNITS	01/31/14	236051	108.00-

MS STATE/TAX COMM/TAX EX

Sum								108.00-
00001	MS STATE/TAX COMM/UNDERC	PO#139244 1/	00139244	13002464	TAG RNWLS UNDERCOVER UNITS	01/31/14	236052	73.75-

MS STATE/TAX COMM/UNDERC

Sum								73.75-
00001	N & H ELECTRONIC DISTRIB	125792	00139314	13002562	SIGNAL EQUIP SOLDER-TRAFFIC	01/31/14	236053	54.38-

N & HELECTRONIC DISTRIB

Sum								54.38-
00001	NADA APPRAISAL GUIDES	000428019	00139715	13002687	USED CAR GUIDE 2/14-1/15	01/31/14	236054	105.00-

NADA APPRAISAL GUIDES

Sum								105.00-
00001	NAPA AUTO PARTS	501059	00139280	13002480	REPR PTS ENGINE 4	01/31/14	236055	62.17-
00001	NAPA AUTO PARTS	501070	00139436	13002481	REPR PTS U#2681 FIRE DEPT	01/31/14	236055	77.62-
00001	NAPA AUTO PARTS	501060	00139368	13002482	REPR PTS U#11353 FIRE DEPT	01/31/14	236055	148.67-
00001	NAPA AUTO PARTS	501201	00139548	13002591	REPR PTS U#2681 FIRE DEPT	01/31/14	236055	87.33-

NAPA AUTO PARTS

Sum								375.79-
00001	NATL ASSN OF TOWN WATCH	MS178 2014	00139615	13002547	CITY'S MBRSHF FEE 2014	01/31/14	236056	35.00-

NATL ASSN OF TOWN WATCH

Sum								35.00-
00001	NATL CONFERENCE OF BLACK	2014 DUES MA	00139721	13002614	2014 MBRSHF DUES MAYOR DUPREE	01/31/14	236057	1,050.00-

NATL CONFERENCE OF BLACK

Sum								1,050.00-
00001	NEEL-SCHAFFER INC	1015151-99	00139798	13002671	SRVS 11/13 WESTERN CONTAINER	01/31/14	236058	144.30-

NEEL-SCHAFFER INC

Sum								144.30-
00001	NEWELL PAPER COMPANY	805101	00139315	13002528	JANIT SUPP POLICE DEPT	01/31/14	236060	160.11-
00001	NEWELL PAPER COMPANY	805317	00139553	13002580	JANIT SUPP ACCTG/PURCH	01/31/14	236060	294.00-
00001	NEWELL PAPER COMPANY	805491	00139565	13002630	JANIT SUPP TRAFF/CONSTR DEPTS	01/31/14	236060	217.76-
00001	NEWELL PAPER COMPANY	805573	00139606	13002631	JANIT SUPP AIRPORT MAINT	01/31/14	236060	171.08-
00001	NEWELL PAPER COMPANY	803946	00139122	13002661	JANIT SUPP PUBLIC WORKS	01/31/14	236060	1,632.49-
00001	NEWELL PAPER COMPANY	804543	00139122	13002662	JANIT SUPP PUBLIC WORKS	01/31/14	236060	504.25-

NEWELLPAPER COMPANY

Sum								2,979.69-
00001	OFFICE DEPOT INC	684716322001	00139276	13002472	OFFICE SUPP P/F ACADEMY	01/31/14	236062	156.95-
00001	OFFICE DEPOT INC	684716323001	00139276	13002473	OFFICE SUPP P/F ACADEMY	01/31/14	236062	8.99-

00001	REED, MR & MRS TEDDYU D	CEMETERY SPA	02014248	13002578	BUY BACK CEMETERY SPACES	01/23/14	18472	350.00-
REED,MR & MRS TEDDYU D								
Sum								
								350.00-
00001	RJ YOUNG COMPANY	INV180530	00139170	13002484	COPIER MNT 11/28-12/27/13	01/31/14	236083	196.00-
00001	RJ YOUNG COMPANY	INV144746	00139637	13002549	COPIER 10/28-11/27/13 PLANN	01/31/14	236083	390.00-
00001	RJ YOUNG COMPANY	INV180528	00139637	13002550	COPIER 11/28-12/27/13 PLANN	01/31/14	236083	390.00-
RJ YOUNG COMPANY								
Sum								
								976.00-
00001	ROCKING C TRUCK & TRAILE	1290045777	00139335	13002692	REPR PTS U#11302 STREET	01/31/14	236085	405.00-
00001	ROCKING C TRUCK & TRAILE	1290045777 F	00139770	13002693	FRT CHGS PO#139335	01/31/14	236085	10.00-
ROCKING C TRUCK & TRAILE								
Sum								
								415.00-
00001	ROGERS, KEVIN & ASSOCIAT	TITLE OPINIO	00139682	13002593	TITLE OPINIONS LAND CODE	01/31/14	236086	7,500.00-
ROGERS, KEVIN & ASSOCIAT								
Sum								
								7,500.00-
00001	ROPER SUPPLY CO LLC	44767	00139537	13002619	BATONS/HANDCUFFS RECRUIT CLS	01/31/14	236087	2,329.50-
ROPERSUPPLY CO LLC								
Sum								
								2,329.50-
00001	SCALES BIOLOGICAL LABORA	6782	00139617	13002552	ANALYTICAL FEES POLICE DEPT	01/31/14	236090	700.00-
00001	SCALES BIOLOGICAL LABORA	6703	00139617	13002553	ANALYTICAL FEES POLICE DEPT	01/31/14	236090	800.00-
00001	SCALES BIOLOGICAL LABORA	6702	00139618	13002554	ANALYTICAL FEES POLICE DEPT	01/31/14	236090	2,400.00-
SCALESBIOLOGICAL LABORA								
Sum								
								3,900.00-
00001	SCOTTS HYDRAULIC SERVICE	17052	00139379	13002572	REPRS U#14408 SANIT	01/31/14	236091	3,488.01-
SCOTTSHYDRAULIC SERVICE								
Sum								
								3,488.01-
00001	SHEPPARD, RICKY	TRAVEL REIMB	00139545	13002475	EXNS HAZ MATL CLASSES JKSN	01/31/14	236092	125.68-
SHEPPARD, RICKY								
Sum								
								125.68-
00001	SHOEMAKE, SHANNON	PETTY CASH 1	00139812	13002691	PETTY CASH TRAFFIC/CONSTR	01/31/14	236093	254.24-
SHOEMAKE, SHANNON								
Sum								
								254.24-
00001	SIMS, JULIUS HARDY	TRAVEL ADVAN	00139616	13002555	TRAV ADV FBINNA CONF PEARL,MS	01/31/14	236094	172.00-
SIMS,JULIUS HARDY								
Sum								
								172.00-
00001	SOLAR SUPPLY INC	3451537	00139412	13002466	HAND TOOLS POLICE MAINT DEPT	01/31/14	236095	39.27-
SOLARSUPPLY INC								

Sum								39.27-
00001	SOUTH MS EMERGENCY PHYSI	129139259/27	00139581	13002516	SERV 11/16/13 POTIER-PRISONER	01/31/14	236097	763.00-
00001	SOUTH MS EMERGENCY PHYSI	129707756/27	00139581	13002517	SERV 11/15/13 SMITH-PRISONER	01/31/14	236097	763.00-

SOUTHMS EMERGENCY PHYSI								
Sum								1,526.00-
00001	SOUTHERN EYE CENTER PA I	738684 MITCH	00139582	13002518	SERV 5/14/13 MITCHELL-PRISONR	01/31/14	236100	236.74-

SOUTHERN EYE CENTER PA I								
Sum								236.74-
00001	SOUTHERN FINANCIAL SYSTE	CMCHAT2 12/1	02014239	13002574	POLICE FINES COLL.FEE	01/31/14	236101	1,315.28-

SOUTHERN FINANCIAL SYSTE								
Sum								1,315.28-
00001	SOUTHERN PINE ELECTRIC P	1/14 GENERAL	00020148	13002645	MNTHLY 1/14 PUBLIC SERVICES	01/31/14	236102	66.51-

SOUTHERN PINE ELECTRIC P								
Sum								66.51-
00001	SOUTHERN PINES ANIMAL SH	10/13-12/13	00139759	13002679	CHANGE IN CONTRACT	01/31/14	236103	1,817.49-
00001	SOUTHERN PINES ANIMAL SH	2/14	00139759	13002680	HANDLING,HOUSING 2/14	01/31/14	236103	9,979.83-

SOUTHERN PINES ANIMAL SH								
Sum								11,797.32-
00001	STANDARD OFFICE SUPPLY C	0040906-001	00139411	13002463	COPY PAPER POLICE DEPT	01/31/14	236106	346.00-
00001	STANDARD OFFICE SUPPLY C	0040450-001	00139085	13002546	OFFICE SUPP CITY CLERK	01/31/14	236106	45.03-
00001	STANDARD OFFICE SUPPLY C	0040768-001	00139285	13002648	FILE CABINETS MUN COURT	01/31/14	236106	399.98-
00001	STANDARD OFFICE SUPPLY C	0041032-001	00139558	13002649	OFFICE SUPP ACCTG DEPT	01/31/14	236106	309.53-
00001	STANDARD OFFICE SUPPLY C	0040729-001	00139279	13002669	OFFICE SUPP LIFE OF S MS	01/31/14	236106	226.39-

STANDARD OFFICE SUPPLY C								
Sum								1,326.93-
00001	STREICHER'S POLICE EQUIP	I1068813	00139385	13002551	DRUG TEST KITS POLICE DEPT	01/31/14	236108	389.87-

STREICHER'S POLICE EQUIP								
Sum								389.87-
00001	SUNBELT FIRE INC	103815	00139640	13002561	REPRS U#8323 FIRE DEPT	01/31/14	236110	253.08-
00001	SUNBELT FIRE INC	82684	00138671	13002625	REPR PTS U#13560 FIRE DEPT	01/31/14	236110	312.83-
00001	SUNBELT FIRE INC	103812(B)	00139676	13002628	TEST TRUCK PUMP FIRE DEPT	01/31/14	236110	75.00-
00001	SUNBELT FIRE INC	103645	00138179	13002632	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001	SUNBELT FIRE INC	103647	00138179	13002633	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001	SUNBELT FIRE INC	103650	00138179	13002634	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001	SUNBELT FIRE INC	103653	00138179	13002635	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001	SUNBELT FIRE INC	103656	00138179	13002636	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001	SUNBELT FIRE INC	103660	00138179	13002637	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001	SUNBELT FIRE INC	103662	00138179	13002638	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001	SUNBELT FIRE INC	103665	00138179	13002639	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001	SUNBELT FIRE INC	103666	00138179	13002640	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-
00001	SUNBELT FIRE INC	103667	00138179	13002641	ANNUAL FIRE PUMP CERTIF TEST	01/31/14	236110	250.00-

CITY OF HATTIESBURG - PARKS& RECREATION FUND

DOCKET OF CLAIMS

Date

- 01/30/14

PERIOD ENDING JANUARY 31, 2014

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PARKS& RECREATION FUND							
00002 ADCOCK POOLS AND SPA	66737	00139359	13000604	POOL CHEMICALS	01/31/14	235903	649.96-
ADCOCKPOOLS AND SPA							
Sum							649.96-
00002 AGEE, LEON	SPORTS SERVS	02014260	13000670	SPORTS SUPPORT SERVICES	01/31/14	235908	75.00-
AGEE,LEON							
Sum							75.00-
00002 AGRI-AFC LLC	5004116	00139310	13000605	CHEMICALS VARI BALLFIELDS	01/31/14	235909	1,945.00-
AGRI-AFC LLC							
Sum							1,945.00-
00002 AMERICAN CONCRETE PRODUC	59086	00139462	13000608	BLDG MATLS CAMERON FLD RESTRM	01/31/14	235913	64.80-
AMERICAN CONCRETE PRODUC							
Sum							64.80-
00002 ANOINTED HANDS CLEANING	474	00139787	13000650	SERVS 1/14 GRNDS MAINT OFFICE	01/31/14	235914	250.00-
ANOINTED HANDS CLEANING							
Sum							250.00-
00002 ARMSTRONG, JAMES	SPORTS SERVS	02014260	13000671	SPORTS SUPPORT SERVICES	01/31/14	235918	120.00-
ARMSTRONG, JAMES							
Sum							120.00-
00002 B S N SPORTS	95842692	00139514	13000646	BALLFLD BASES/HOME PLATES	01/31/14	235924	3,538.37-
B S NSPORTS							
Sum							3,538.37-
00002 BETTS, SHERMAN	OFFICIAL 1/1	02014259	13000654	OFFICIAL-ADULT BASKETBALL	01/31/14	235925	275.00-
BETTS,SHERMAN							
Sum							275.00-
00002 BRACKMAN MOWER WAREHOUSE	0126074	00139398	13000611	AGRI EQUIP REPR PTS	01/31/14	235930	334.50-
00002	0126070	00139388	13000613	LEAF VACUUM GRNDS MAINT	01/31/14	235930	700.00-
00002 BRACKMAN MOWER WAREHOUSE	0126069	00139391	13000614	CREW TRAILER GRNDS MAINT	01/31/14	235930	1,050.00-
00002 BRACKMAN MOWER WAREHOUSE	0126163	00139654	13000625	AGRI EQUIP REPR PTS GRNDS MNT	01/31/14	235930	273.40-
BRACKMAN MOWER WAREHOUSE							
Sum							2,357.90-
00002 BRADDOCK, ARETHA	OFFICIAL 1/1	02014259	13000655	OFFICIAL-YOUTH BASKETBALL	01/31/14	235932	300.00-

00002		9962789	00139684	13000643	PAINT FENCE TATUM SOCCER	01/31/14	236011	1,360.00-
JACKSON, ROOSEVELT III								
Sum								1,360.00-
00002	JET CONSTRUCTION	1762	00139114	13000634	TOPSOIL 49/59 & CLOVERLEAF	01/31/14	236012	600.00-
00002		1763	00139688	13000635	TOPSOIL 49/59 INTERCHANGE	01/31/14	236012	120.00-
00002	JET CONSTRUCTION	1764	00139689	13000636	TOPSOIL 49/59 INTERCHANGE	01/31/14	236012	168.00-
JET CONSTRUCTION								
Sum								888.00-
00002	KEATON, CHRISTOPHER	OFFICIAL 1/1	02014259	13000662	OFFICIAL-YOUTH BASKETBALL	01/31/14	236015	125.00-
KEATON, CHRISTOPHER								
Sum								125.00-
00002	KEELING COMPANY (HATTIES	S2564765.001	00139706	13000647	SPRINKLER HEAD TATUM PARK	01/31/14	236016	391.14-
KEELING COMPANY (HATTIES								
Sum								391.14-
00002	KELLY, KEITH	OFFICIAL 1/1	02014259	13000663	OFFICIAL-YOUTH BASKETBALL	01/31/14	236017	100.00-
KELLY,KEITH								
Sum								100.00-
00002		SPORTS SERVS	02014260	13000674	SPORTS SUPPORT SERVICES	01/31/14	236018	84.00-
KETTLEY, ANNETTE								
Sum								84.00-
00002		SPORTS SERVS	02014260	13000675	SPORTS SUPPORT SERVICES	01/31/14	236019	196.00-
KEYS,MECHEKA								
Sum								196.00-
00002		SPORTS SERVS	02014260	13000676	SPORTS SUPPORT SERVICES	01/31/14	236020	310.00-
KIRKSEY, NANCY JONES								
Sum								310.00-
00002		OFFICIAL 1/1	02014259	13000664	OFFICIAL-ADULT BASKETBALL	01/31/14	236027	75.00-
LINDSEY, TABORIS								
Sum								75.00-
00002		OFFICIAL 1/1	02014259	13000665	OFFICIAL-ADULT BASKETBALL	01/31/14	236028	150.00-
LOCKE,JACKIE W								
Sum								150.00-
00002	MARTIN RADIATOR, TIRE &	PO#139650 1/	00139650	13000628	REPR PTS U#8647 GRNDS MAINT	01/31/14	236031	60.00-
00002		PO#139745 1/	00139745	13000639	REPRS U#7383 GRNDS MAINT	01/31/14	236031	65.00-
MARTINRADIATOR, TIRE &								
Sum								125.00-
00002	MIKE'S TIRE & WHEEL CO	2172025	00139562	13000629	TIRE U#11961 GRNDS MAINT	01/31/14	236040	208.04-

00002		2172123	00139655	13000630	TRAILER TIRES U#17050	01/31/14	236040	262.95-
MIKE'STIRE & WHEEL CO								
Sum								470.99-
00002		OFFICIAL 1/1	02014259	13000666	OFFICIAL-ADULT BASKETBALL	01/31/14	236041	175.00-
MILLER, LLOYD M								
Sum								175.00-
00002	MS POWER COMPANY	1/14 PKS/REC	00020148	13000653	MNTHLY ELEC-PARKS & REC	01/31/14	236050	8,495.12-
MS POWER COMPANY								
Sum								8,495.12-
00002	NAPA AUTO PARTS	501451	00139652	13000626	LUBRICANTS GRNDS MAINT UNITS	01/31/14	236055	243.18-
NAPA AUTO PARTS								
Sum								243.18-
00002	NEEL-SCHAFFER INC	1015151-13-1	00136963	13000648	FOUNDATION REPR SHERRILL CNTR	01/31/14	236058	1,905.02-
NEEL-SCHAFFER INC								
Sum								1,905.02-
00002		SPORTS SERVS	02014260	13000677	SPORTS SUPPORT SERVICES	01/31/14	236067	160.00-
PATTERSON, ISIAH								
Sum								160.00-
00002		65298	00139742	13000642	TOWING U#7382 GRNDS MAINT	01/31/14	236068	75.00-
PEANUTS TOWING SERVICE								
Sum								75.00-
00002	PLAY IT AGAIN SPORTS	PO#139405 1/	00139405	13000615	YTH BASKETBALL JERSEYS 2014	01/31/14	236073	2,862.00-
PLAY IT AGAIN SPORTS								
Sum								2,862.00-
00002	POWELL, RANDY	SPORTS SERVS	02014260	13000678	SPORTS SUPPORT SERVICES	01/31/14	236074	203.00-
POWELL, RANDY								
Sum								203.00-
00002	RAY, RONNIE	OFFICIAL 1/1	02014259	13000667	OFFICIAL-YOUTH SPORTS	01/31/14	236082	200.00-
RAY, RONNIE								
Sum								200.00-
00002	ROBINSON, MARVIN	OFFICIAL 1/1	02014259	13000668	OFFICIAL-YOUTH SPORTS	01/31/14	236084	275.00-
ROBINSON, MARVIN								
Sum								275.00-
00002	SANFORD, JOHN L JR INC	46000	00139410	13000619	BALLFIELD DIRT EASTSIDE PARK	01/31/14	236089	192.00-
00002	SANFORD, JOHN L JR INC	45999	00139554	13000620	BALLFIELD MIX EASTSIDE PARK	01/31/14	236089	192.00-
SANFORD, JOHN L JR INC								

Sum							384.00-
00002	AR73622	00139457	13000617	PRINTER SUPP REC ADM	01/31/14	236096	298.00-
SOUTHMS BUSINESS MACHIN							298.00-
Sum							78.50-
00002	13477	00139494	13000618	CONCRETE-SIDEWLK REPR CAMERON	01/31/14	236098	
SOUTHEASTERN CONCRETE CO							78.50-
Sum							5,252.00-
00002	H04902	00139290	13000644	SOD CUTTER CITY WIDE USE	01/31/14	236111	
SUNSHINE EQUIPMENT CO IN							5,252.00-
Sum							133.00-
00002	VARNADO, ALEXZANDRIA	SPORTS SERVS	02014260	13000679	SPORTS SUPPORT SERVICES	01/31/14	236121
VARNADO, ALEXZANDRIA							133.00-
Sum							203.00-
00002	VARNADO, UNDRA	SPORTS SERVS	02014260	13000680	SPORTS SUPPORT SERVICES	01/31/14	236122
VARNADO, UNDRA							203.00-
Sum							90.00-
00002	VESELY'S NURSERY	PO#139649 1/	00139649	13000621	PANSY PLANTS CITY HALL	01/31/14	236124
VESELY'S NURSERY							90.00-
Sum							120.00-
00002		OFFICIAL 1/1	02014259	13000669	OFFICIAL-YOUTH SPORTS	01/31/14	236128
WASHINGTON, TYLER ROYCE							120.00-
Sum							266.00-
00002		SPORTS SERVS	02014260	13000681	SPORTS SUPPORT SERVICES	01/31/14	236132
WHEELER, CURTIS							266.00-
Sum							
Sum							135,944.21-

CITY OF HATTIESBURG - HATT.MUNICIPAL FIRE PROTECTION
 DOCKET OF CLAIMS
 PERIOD ENDING JANUARY 31, 2014

Date - 01/30/14

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
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HATT.MUNICIPAL FIRE PROTECTION 00005 A 1 FIRE EQUIPMENT	1577	00139125	13000011	LEATHER BOOTS-FIREFIGHTERS	01/31/14	235902	1,358.00-

A 1 FIRE EQUIPMENT Sum							1,358.00-
00005 SUNBELT FIRE INC	83210	00139261	13000012	TURNOUT GEAR-FIRE RECRUITS	01/31/14	236110	7,380.00-

SUNBELT FIRE INC Sum							7,380.00-

Sum							8,738.00-

CITY OF HATTIESBURG - PAYROLL FUND								
DOCKET OF CLAIMS							Date	- 01/30/14
PERIOD ENDING JANUARY 31, 2014								
Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount	
PAYROLL FUND								
00006 ADVANCED RECOVERY SYSTEM	6028,4935	00201471	13000213	GARNISHMENT	01/24/14	18507	110.00-	
ADVANCED RECOVERY SYSTEM								
Sum							110.00-	
00006 AUTOMATED COLLECTION SER	5257	00201471	13000211	GARNISHMENT	01/24/14	18505	151.26-	
AUTOMATED COLLECTION SER								
Sum							151.26-	
00006 CHILD SUPPORT ENFORCEMEN	3871	00201470	13000198	CHILD SUPPORT	01/24/14	18492	200.00-	
CHILDSUPPORT ENFORCEMEN								
Sum							200.00-	
00006 COUCH CONVILLE AND BLITT	6979	00201471	13000206	GARNISHMENT	01/24/14	18500	308.06-	
COUCHCONVILLE AND BLITT								
Sum							308.06-	
00006 COURTNEY & CAMP ATTYS (	2377	00201471	13000208	GARNISHMENT	01/24/14	18502	562.57-	
COURTNEY & CAMP ATTYS (								
Sum							562.57-	
00006 FAMILY SUPPORT PAYMENT C	9865	00201470	13000201	CHILD SUPPORT	01/24/14	18495	1,199.18-	
FAMILYSUPPORT PAYMENT C								
Sum							1,199.18-	
00006 FIRST HERITAGE CREDIT (G	9891	00201471	13000222	GARNISHMENT	01/27/14	18519	65.58-	
FIRSTHERITAGE CREDIT (G								
Sum							65.58-	
00006 FORREST CTY CHANCERY COU	01/2014	00201466	13000181	CHILD SUPPORT	01/24/14	18475	662.00-	
FORREST CTY CHANCERY COU								
Sum							662.00-	
00006 GAYLE SMITH	4645	00201470	13000202	CHILD SUPPORT	01/24/14	18496	302.38-	
GAYLESMITH								
Sum							302.38-	
00006 GREAT LAKES HIGHER EDUCA	1583	00201471	13000221	GARNISHMENT	01/27/14	18518	181.80-	
GREATLAKES HIGHER EDUCA								
Sum							181.80-	
00006 H F S RECOVERY (GARN)	5621	00201471	13000209	GARNISHMENT	01/24/14	18503	425.66-	

H F SRECOVERY (GARN)

Sum								425.66-
00006	HENLEY, LOTTERHOS & HENL	9998,5994,76	00201471	13000204	GARNISHMENT	01/24/14	18498	530.91-
HENLEY, LOTTERHOS & HENL								
Sum								530.91-
00006	INTERNAL REVENUE SERVICE	2081	00201469	13000187	GARNISHMENT	01/24/14	18481	100.00-
INTERNAL REVENUE SERVICE								
Sum								100.00-
00006	INTERNAL REVENUE SERVICE	9998	00201469	13000182	GARNISHMENT	01/24/14	18476	50.00-
00006	INTERNAL REVENUE SERVICE	2753	00201469	13000183	GARNISHMENT	01/24/14	18477	100.00-
00006	INTERNAL REVENUE SERVICE	0579	00201469	13000184	GARNISHMENT	01/24/14	18478	100.00-
00006		6062	00201469	13000185	GARNISHMENT	01/24/14	18479	100.00-
00006	INTERNAL REVENUE SERVICE	6809	00201469	13000186	GARNISHMENT	01/24/14	18480	50.00-
INTERNAL REVENUE SERVICE								
Sum								400.00-
00006	JOHN R REEVES PC (CHILD	6467	00201470	13000199	CHILD SUPPORT	01/24/14	18493	150.00-
JOHN RREEVES PC (CHILD								
Sum								150.00-
00006	LAMAR CTY CHANCERY CLERK	0935	00201470	13000196	CHILD SUPPORT	01/24/14	18490	540.00-
LAMARCTY CHANCERY CLERK								
Sum								540.00-
00006	MENDELSON LAW FIRM (GARN	9865	00201471	13000220	GARNISHMENT	01/24/14	18514	126.15-
MENDELSON LAW FIRM (GARN								
Sum								126.15-
00006	NC CHILD SUPPORT CENTRAL	7589	00201470	13000197	CHILD SUPPORT	01/24/14	18491	220.00-
NC CHILD SUPPORT CENTRAL								
Sum								220.00-
00006	NEBRASKA CHILD SUPPORT (	4840	00201470	13000200	CHILD SUPPORT	01/24/14	19494	250.00-
NEBRASKA CHILD SUPPORT (								
Sum								250.00-
00006	PIPPY REAL ESTATE LLC	6809	00201471	13000205	GARNISHMENT	01/24/14	18499	171.47-
PIPPYREAL ESTATE LLC								
Sum								171.47-
00006	REPUBLIC FINANCE INC (G	8663	00201471	13000216	GARNISHMENT	01/24/14	18510	257.98-
REPUBLIC FINANCE INC (G								
Sum								257.98-
00006	RICHLAND COUNTY FAMILY C	4941	00201470	13000203	CHILD SUPPORT	01/24/14	18497	183.76-

RICHLAND COUNTY FAMILY C

Sum									183.76-
00006	STEVEN D SLADE (GARN)	0474	00201471	13000214	GARNISHMENT	01/24/14	18508		435.92-

STEVEN D SLADE (GARN)

Sum									435.92-
00006	STOKES & CLINTON PC (GAR	8908,2566	00201471	13000223	GARNISHMENTS	01/27/14	18520		518.44-

STOKES & CLINTON PC (GAR

Sum									518.44-
00006	U S DEPT OF TREASURY (GA	0253	00201471	13000218	GARNISHMENT	01/24/14	18512		162.64-

U S DEPT OF TREASURY (GA

Sum									162.64-
00006	WINN BROWN LAW FIRM,THE	9380	00201471	13000217	GARNISHMENT	01/24/14	18511		413.53-

WINN BROWN LAW FIRM,THE

Sum									413.53-
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Sum

8,629.29-

CITY OF HATTIESBURG - WATER& SEWER OPERATION/MAINT.

DOCKET OF CLAIMS

Date

- 01/30/14

PERIOD ENDING JANUARY 31, 2014

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WATER& SEWER OPERATION/MAINT.							
00009 ADVANCED JANITORIAL SERV	20179 WTR OF	00139754	13000607	SERVS 1/14 WATER OFFICE	01/31/14	235905	495.00-
ADVANCED JANITORIAL SERV							
Sum							495.00-
00009 ALLBRITTON CHAIN SAW & L	27478	00138433	13000543	REPR CHOP SAW/CHAINSAW-SEWER	01/31/14	235912	130.63-
00009 ALLBRITTON CHAIN SAW & L	30592	00138433	13000544	REPR CHOP SAW/CHAINSAW-SEWER	01/31/14	235912	165.57-
ALLBRITTON CHAIN SAW & L							
Sum							296.20-
00009 AUTO ARMATURE SERVICE IN	12628	00139465	13000548	BATTERY U#14164 TRANS	01/31/14	235921	115.95-
AUTO ARMATURE SERVICE IN							
Sum							115.95-
00009 BLOSSMAN GAS INC	900149	00139727	13000614	PROPANE PLANT FORKLIFT	01/31/14	235927	30.00-
BLOSSMAN GAS INC							
Sum							30.00-
00009 BONNER ANALYTICAL TESTIN	54565	00139701	13000601	BOIL WTR SAMPLES 1/20/13	01/31/14	235929	238.50-
BONNERANALYTICAL TESTIN							
Sum							238.50-
00009 C SPIRE WIRELESS (CELLUL	12/23/13-1/2	02014253	13000615	CELL SERV 1/14 W&SO&M	01/31/14	235938	225.74-
C SPIRE WIRELESS (CELLUL							
Sum							225.74-
00009	25817	00139607	13000595	REMOTE WRENCH/VENT VISOR-SWR	01/31/14	235940	211.00-
CAMPERCITY OF HATTIESBU							
Sum							211.00-
00009	14758-20272	00139464	13000599	REPR PTS U#14760 TRANS	01/31/14	235943	164.32-
00009 CARQUEST AUTO PARTS STOR	14758-20373	00139549	13000610	REPR PTS U#14164 TRANS DEPT	01/31/14	235943	684.56-
00009 CARQUEST AUTO PARTS STOR	14758-20422	00139551	13000611	ADDL AMT PO#139549	01/31/14	235943	58.28-
CARQUEST AUTO PARTS STOR							
Sum							907.16-
00009 CENTRAL PIPE SUPPLY INC	X02330	00138926	13000536	COPPER DISK-WTR SERVICE CREW	01/31/14	235945	312.50-
00009 CENTRAL PIPE SUPPLY INC	X01380	00138985	13000538	PLUMB SUPP TRANS STOCK	01/31/14	235945	1,353.60-
00009	X01871	00138985	13000539	PLUMB SUPP TRANS STOCK	01/31/14	235945	166.20-
00009 CENTRAL PIPE SUPPLY INC	X02448	00139342	13000593	PLUMB SUPP TRANS STOCK	01/31/14	235945	449.30-
00009 CENTRAL PIPE SUPPLY INC	X02548	00139342	13000594	PLUMB SUPP TRANS STOCK	01/31/14	235945	30.00-
00009 CENTRAL PIPE SUPPLY INC	X02707	00139579	13000600	WATER METERS TRANS DEPT	01/31/14	235945	4,955.00-

00009		X02449	00139386	13000603	PLUMB SUPP TRANS STOCK	01/31/14	235945	577.85-
00009	CENTRAL PIPE SUPPLY INC	X02946	00139386	13000604	PLUMB SUPP SEWER STOCK	01/31/14	235945	95.05-

CENTRAL PIPE SUPPLY INC								7,939.50-
Sum								199.80-
00009	CINTAS FIRST AID J71	OJ71119227	00139397	13000542	LEATHER WORK GLOVES WTR PLANT	01/31/14	235946	150.00-
00009	CINTAS FIRST AID J71	OJ71119220	00138865	13000545	EYE WASH LAGOON DIV	01/31/14	235946	-----
CINTASFIRST AID J71								349.80-
Sum								98,270.79-
00009	CITY OF HATTIESBURG FUND	TRF 2ND 1/14	02014244	13000564	TRF 2ND 1/14 PAYROLL	01/22/14	21726	-----
CITY OF HATTIESBURG FUND								98,270.79-
Sum								247.14-
00009		606531951	00139263	13000537	HAND TOOLS WTR SERVICE TRUCKS	01/31/14	235949	-----
COBURN'S SUPPLY CO INC								247.14-
Sum								425.00-
00009	COMSOUTH	171536	00137558	13000552	RADIO REPR-HORNE-WTR PLANT	01/31/14	235953	-----
COMSOUTH								425.00-
Sum								624.00-
00009	D P C ENTERPRISES LP	212000068-14	00139275	13000540	CHEMICALS WESLEY/FORREST GEN	01/31/14	235956	624.00-
00009	D P C ENTERPRISES LP	212000069-14	00139275	13000541	CHEMICALS WESLEY/FORREST GEN	01/31/14	235956	-----
D P CENTERPRISES LP								1,248.00-
Sum								179.00-
00009	DATALINE ASSOCIATES	PCM26766	00138626	13000547	PRINTER SUPP WATER OFFICE	01/31/14	235959	-----
DATALINE ASSOCIATES								179.00-
Sum								43.56-
00009	G & K SERVICES	1035442441	00139589	13000565	UNIFORMS 12/03 TRANS	01/31/14	235987	43.56-
00009	G & K SERVICES	1035444579	00139589	13000566	UNIFORMS 12/10 TRANS	01/31/14	235987	43.56-
00009	G & K SERVICES	1035446717	00139589	13000567	UNIFORMS 12/17 TRANS	01/31/14	235987	43.56-
00009		1035448858	00139589	13000568	UNIFORMS 12/24 TRANS	01/31/14	235987	43.56-
00009	G & K SERVICES	1035451013	00139589	13000569	UNIFORMS 12/31 TRANS	01/31/14	235987	43.56-
00009	G & K SERVICES	1035442444	00139589	13000570	MOP/MAT 12/03 PLANT	01/31/14	235987	19.90-
00009	G & K SERVICES	1035444582	00139589	13000571	MOP/MAT 12/10 PLANT	01/31/14	235987	19.90-
00009		1035446720	00139589	13000572	MOP/MAT 12/17 PLANT	01/31/14	235987	19.90-
00009	G & K SERVICES	1035448861	00139589	13000573	MOP/MAT 12/24 PLANT	01/31/14	235987	19.90-
00009	G & K SERVICES	1035451016	00139589	13000574	MOP/MAT 12/31 PLANT	01/31/14	235987	19.90-
00009	G & K SERVICES	1035442442	00139589	13000575	UNIFORMS 12/03 PLANT	01/31/14	235987	48.00-
00009		1035444580	00139589	13000576	UNIFORMS 12/10 PLANT	01/31/14	235987	48.00-
00009	G & K SERVICES	1035446718	00139589	13000577	UNIFORMS 12/17 PLANT	01/31/14	235987	48.00-
00009	G & K SERVICES	1035448859	00139589	13000578	UNIFORMS 12/24 PLANT	01/31/14	235987	48.00-
00009	G & K SERVICES	1035451014	00139589	13000579	UNIFORMS 12/31 PLANT	01/31/14	235987	48.00-
00009		1035442440	00139589	13000580	UNIFORMS 12/03 SEWER	01/31/14	235987	132.20-
00009	G & K SERVICES	1035444578	00139589	13000581	UNIFORMSF 12/10 SEWER	01/31/14	235987	46.30-

NORTHLAMAR WATER ASSN

Sum								134.00-
00009	OFFICE DEPOT INC	684531826001	00138480	13000535	PRINTER SUPP WATER OFFICE	01/31/14	236062	56.86-
00009	OFFICE DEPOT INC	1648847944	00139474	13000602	COMPUTER SUPP PLT #2 SCADA	01/31/14	236062	399.99-

OFFICEDEPOT INC

Sum								456.85-
00009	PEARL RIVER VALLEY EPA (	1/14 W&SO&M	00020148	13000616	MNTHLY 1/14 PUBLIC SERVICES	01/31/14	236069	50.00-

PEARLRIVER VALLEY EPA (

Sum								50.00-
00009	PUCKETT RENTS	425226-0001	00139273	13000551	SAFETY VESTS/TOOLS-SEWER	01/31/14	236077	1,140.36-
00009	PUCKETT RENTS	425252-0001	00139609	13000596	TRASH PUMP/HOSES SEWER DEPT	01/31/14	236077	166.65-

PUCKETT RENTS

Sum								1,307.01-
00009	PUMP AND CONTROL SERVICE	489	00139407	13000546	MAINT/REPRS S LAGOON 1/7-10	01/31/14	236078	2,400.00-

PUMP AND CONTROL SERVICE

Sum								2,400.00-
00009	RAWLS SPRINGS UTILITY DI	SWR BILLING	00139703	13000598	SEWER BILLING REPORT 12/13	01/31/14	236080	170.00-

RAWLSSPRINGS UTILITY DI

Sum								170.00-
00009	SOUTHERN PINE ELECTRIC P	1/14 W&SO&M	00020148	13000605	MNTHLY 1/14 PUBLIC SERVICES	01/31/14	236102	923.26-

SOUTHERN PINE ELECTRIC P

Sum								923.26-
00009	SOUTHERN WATERWORKS SUPP	51481	00138983	13000608	PLUMB SUPP TRANS DEPT	01/31/14	236104	75.00-
00009	SOUTHERN WATERWORKS SUPP	51575	00138983	13000609	PLUMB SUPP TRANS DEPT	01/31/14	236104	25.00-

SOUTHERN WATERWORKS SUPP

Sum								100.00-
00009	U S POSTMASTER-POSTAGE (	PERMIT #213	00139189	13000534	PERMIT #213 POSTAGE W&W	01/21/14	21725	3,500.00-

U S POSTMASTER-POSTAGE (

Sum								3,500.00-
00009	WATERS INTERNATIONAL TRU	805341	00139604	13000592	REPRS U#10811 SEWER	01/31/14	236130	1,826.12-

WATERSINTERNATIONAL TRU

Sum								1,826.12-
00009	WILLMUT GAS & OIL COMPAN	1/14 W&SO&M	00020148	13000613	MNTHLY GAS-W&SO&M	01/31/14	236134	233.86-

WILLMUT GAS & OIL COMPAN

Sum								233.86-
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Sum

291,163.42-

CITY OF HATTIESBURG - WATER& SEWER FUND
 DOCKET OF CLAIMS
 PERIOD ENDING JANUARY 31, 2014

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Date	Check Amount
							- 01/30/14	
WATER& SEWER FUND								
00011 ALDERSGATE MISSION MAIN	WATER RFD AC	02014246	13000296	WATER OVERPAYMENT RFD	01/31/14	235911		221.76-
ALDERSGATE MISSION MAIN								
Sum								221.76-
00011 BUNTING, ROBIN	METER DEP RF	02014240	13000285	METER DEP REFUND	01/31/14	235936		52.94-
BUNTING, ROBIN								
Sum								52.94-
00011 CARTER, MEGAN	METER DEP RF	02014240	13000278	METER DEP REFUND	01/31/14	235944		2.16-
CARTER, MEGAN								
Sum								2.16-
00011 CROSBY, COLE L	WATER DEP RF	02014240	13000293	WATER DEP REFUND	01/31/14	235954		35.94-
CROSBY, COLE L								
Sum								35.94-
00011 FEATHERSTON, STEPHEN E	METER DEP RF	02014240	13000280	METER DEP REFUND	01/31/14	235974		35.94-
FEATHERSTON, STEPHEN E								
Sum								35.94-
00011 FORD, JOCELYN	WATER RFD AC	02014246	13000294	WATER OVERPAYMENT RFD	01/31/14	235978		22.06-
FORD,JOCELYN								
Sum								22.06-
00011 FORSYTHE ROBERT	METER DEP RF	02014240	13000282	METER DEP REFUND	01/31/14	235983		35.94-
FORSYTHE ROBERT								
Sum								35.94-
00011 HORNSBY AUTO WAREHOUSE	METER DEP RF	02014240	13000277	METER DEP REFUND	01/31/14	236003		2.17-
HORNSBY AUTO WAREHOUSE								
Sum								2.17-
00011 LONG, TERRY K	METER DEP RF	02014240	13000275	METER DEP REFUND	01/31/14	236029		.94-
LONG,TERRY K								
Sum								.94-
00011 MAGEE, REGENALD	METER DEP RF	02014240	13000279	METER DEP REFUND	01/31/14	236030		11.52-
MAGEE,REGENALD								
Sum								11.52-
00011 MARTIN, ALFRED	METER DEP RF	02014240	13000276	METER DEP REFUND	01/31/14	236032		40.00-

CITY OF HATTIESBURG - POLICEFORFEITURES FUND

DOCKET OF CLAIMS

Date

- 01/30/14

PERIOD ENDING JANUARY 31, 2014

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
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POLICEFORFEITURES FUND							
00019 STOELTING CO.	REG-TRAXLER	00139597	13000027	REG-TRAXLER-POLYGRAPH SCHOOL	01/31/14	236107	4,995.00-

STOELTING CO.							
Sum							4,995.00-
00019 TREES & TRENDS	PO#138348 11	00138348	13000028	FERNS/PAL TREES DARE/GREAT	01/31/14	236114	735.94-

TREES& TRENDS							
Sum							735.94-

Sum							5,730.94-

CITY OF HATTIESBURG - AIRPORT IMPROVEMENT FUND

DOCKET OF CLAIMS

Date

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Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
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AIRPORT IMPROVEMENT FUND							
00039 ARE CONSULTANTS INC	131105F	00139804	13000033	SRVS RUNWAY REHAB/RESTORA	01/31/14	235916	16,877.28-

ARE CONSULTANTS INC							
Sum							16,877.28-
00039 SOUTHERN EARTH SCIENCES	51312106	00139803	13000034	SRVS AIRPT DRNGE/SAFETY AREA	01/31/14	236099	1,214.00-

SOUTHERN EARTH SCIENCES							
Sum							1,214.00-

Sum							18,091.28-

CITY OF HATTIESBURG - MASS TRANSIT FUND								
DOCKET OF CLAIMS								
PERIOD ENDING JANUARY 31, 2014								
Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Date - 01/30/14	
							Check Amount	
MASS TRANSIT FUND								
00073 ADVANCED JANITORIAL SERV	20179 MASS T	00139754	13000158	SERVS 1/14 MASS TRANS OFFICE	01/31/14	235905	345.00-	
ADVANCED JANITORIAL SERV								
Sum							345.00-	
00073 C SPIRE WIRELESS (CELLUL	12/23/13-1/2	02014253	13000160	CELL SERV 1/14 MASS TRANSIT	01/31/14	235938	56.56-	
C SPIRE WIRELESS (CELLUL								
Sum							56.56-	
00073 CITY OF HATTIESBURG FUND	TRF 2ND 1/14	02014244	13000149	TRF 2ND 1/14 PAYROLL	01/22/14	18470	26,121.51-	
CITY OF HATTIESBURG FUND								
Sum							26,121.51-	
00073 CUMMINS MID SOUTH LLC	003-48341	00139243	13000152	REPR PTS GILLIG BUSES	01/31/14	235955	274.32-	
00073 CUMMINS MID SOUTH LLC	003-48561	00139363	13000153	REPR PTS U#16235	01/31/14	235955	274.32-	
CUMMINS MID SOUTH LLC								
Sum							548.64-	
00073 EMPIRE TRUCK SALES (H'BU	RE006018072:	00139178	13000156	REPRS U#16234	01/31/14	235969	1,626.93-	
EMPIRETRUCK SALES (H'BU								
Sum							1,626.93-	
00073 GILLIG LLC	4979475	00139287	13000159	WINDSHIELDS U#16234 U#16235	01/31/14	235990	777.54-	
GILLIGLLC								
Sum							777.54-	
00073	2645583	00139341	13000147	PHOTO ID PRINTER HCT RIDERS	01/31/14	236005	2,181.82-	
IDVILLE								
Sum							2,181.82-	
00073	35091-00	00138912	13000150	BATTERIES U#16234,U#16235	01/31/14	236039	463.00-	
00073 MID AMERICA PARTS DIST-U	51327-00	00138912	13000151	CORE CREDIT-BATTERIES	01/31/14	236039	240.00	
MID AMERICA PARTS DIST-U								
Sum							223.00-	
00073 MS POWER COMPANY	1/14 MASS TR	00020148	13000161	MNTHLY ELEC-MASS TRANSIT	01/31/14	236050	1,945.03-	
MS POWER COMPANY								
Sum							1,945.03-	
00073 OFFICE DEPOT INC	684532164001	00138547	13000148	OFFICE SUPP MASS TRANS OFFICE	01/31/14	236062	65.40-	
OFFICEDEPOT INC								

68.75-

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68.75-

201.39-

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201.39-

34,161.57-

CITY OF HATTIESBURG - WATER&SEWER CONSTRUCTION FUND

DOCKET OF CLAIMS

Date

- 01/30/14

PERIOD ENDING JANUARY 31, 2014

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
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WATER&SEWER CONSTRUCTION FUND 00075 HRG (HATTIESBURG RESOURC	011003-01-14	00139805	13000040	SRV 11/1-12/31/13 USA YEAST	01/31/14	236004	57,200.89-

HRG (HATTIESBURG RESOURC Sum							57,200.89-

Sum							57,200.89-

CITY OF HATTIESBURG - COMMUNITY CENTERS' FUND

DOCKET OF CLAIMS

Date

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PERIOD ENDING JANUARY 31, 2014

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
COMMUNITY CENTERS' FUND							
00077 C SPIRE WIRELESS (CELLUL	12/23/13-1/2	02014253	13000144	CELL SERV 1/14 COMM CNTRS	01/31/14	235938	49.61-
C SPIRE WIRELESS (CELLUL							
Sum							49.61-
00077 CARQUEST AUTO PARTS STOR	14758-18531	00138861	13000138	REPR PTS U#11200 COMM CNTRS	01/31/14	235943	317.03-
00077 CARQUEST AUTO PARTS STOR	14758-19341	00138954	13000139	REPR PTS U#11200 COMM CNTRS	01/31/14	235943	56.97-
CARQUEST AUTO PARTS STOR							
Sum							374.00-
00077 CITY OF HATTIESBURG FUND	TRF 2ND 1/14	02014244	13000137	TRF 2ND 1/14 PAYROLL	01/22/14	36800	20,848.34-
CITY OF HATTIESBURG FUND							
Sum							20,848.34-
00077 MS POWER COMPANY	1/14 COMM CN	00020148	13000145	MNTHLY ELEC-COMM CNTRS	01/31/14	236050	3,442.55-
MS POWER COMPANY							
Sum							3,442.55-
00077 NEEL-SCHAFFER INC	1015151-2	00137287	13000142	FOUNDATION REPR SHERRILL CNTR	01/31/14	236058	506.67-
NEEL-SCHAFFER INC							
Sum							506.67-
00077 SPECIALTY SERVICES LLC	#1 SHERRILL	00139743	13000141	BASEBOARD REPRS SHERRILL AUD	01/31/14	236105	475.00-
SPECIALTY SERVICES LLC							
Sum							475.00-
00077	1/14 COMM CN	00020148	13000143	MNTHLY GAS-COMM CNTRS	01/31/14	236134	1,040.04-
WILLMUT GAS & OIL COMPAN							
Sum							1,040.04-
Sum							26,736.21-

