

City of Hattiesburg, MS

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



Meeting Agenda

Tuesday, November 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**

for the October 6, 7, 20 and 21, 2014, Council meetings.

V. PRESENTATION AGENDA**VI. POLICY AGENDA****VI.-1 2014-1346**

TAKE FROM THE TABLE and Adopt an Ordinance amending Section 9 and 22 of the Code of Ordinances to adopt the 2012 Edition of the International Residential Code, International Building Code, International Plumbing Code, International Fuel Gas Code, International Mechanical Code, International Property Maintenance Code, International Fire Code, and the 2011 Edition of the National Electrical Code; and repealing Ordinance number 3055.

Attachments: Mayor memo on code revisions
Ordinance for 2012 Codes
executed Ordinance for 2012 Codes ORD#3143

VI.-2 2014-1487

Adopt Resolution for final approval of Motor Vehicle Assessment Schedule for Fiscal Year 2014-2015 and authorize publication of same.

Attachments: Motor Vehicle Resolution
executed Motor Vehicle Resolution RES#2014-204

VI.-3 2014-1485

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

Attachments:

Adjudication MEMO 11-4-14

3208 Rosewood Dr.

executed 3208 Rosewood Dr. RES#2014-205

351 Emerson Dr.

executed 351 Emerson Dr. RES#2014-206

624 Duke Ave.

executed 624 Duke Ave. RES#2014-207

1216 Hall Ave.

executed 1216 Hall Ave. RES#2014-208

Corner of Perry-Hburg Ave.

executed Corner of Perry-Hburg Ave. RES#2014-209

99 Currie St.

executed 99 Currie St. RES#2014-210

1210 Scott St.

executed 1210 Scott St. RES#2014-211

620 Duke Ave.

executed 620 Duke Ave. RES#2014-212

201 Willis Ave.

executed 201 Willis Ave. RES#2014-213

201 Edna St.

executed 201 Edna St. RES#2014-214

VI.-4 2014-227

Adopt a Resolution authorizing Requisition No. 17 from the Project Fund Construction Account in connection with certain loan agreement, dated as of December 19, 2013, by and between the Mississippi Development Bank and the City of Hattiesburg.

Attachments:

Bond Requisition No. 17

executed Bond Requisition No. 17 RES#2014-215

VI.-5 2014-1466

Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 23 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of \$9,137.74.

Attachments: Request for Cash No 23
executed Request for Cash No 23

VI.-6 2014-1480

Authorize Mayor to execute duplicate original agreement between City of Hattiesburg Parks and Recreation Department and Hattiesburg Youth Soccer Association to operate and promote soccer programs for Hattiesburg residents. This program will operate October 1, 2014, through September 30, 2015. (Nunc Pro Tunc)

Attachments: Soccer 2014-2015 contract
Contract Attachements
executed Soccer 2014-2015 contract

VI.-7 2014-1490

Approve Service Agreement between the City of Hattiesburg and the University of Southern Mississippi (USM) for the Health Access Grant Implementation 2014 project; Authorize the Mayor to execute

Attachments: USM Agreement
executed USM Agreement

VII. ROUTINE AGENDA**VII.-1** 2014-1482

Authorize Mayor to Renew Agreement between the City of Hattiesburg and MBI for annual monitoring of alarm system located in the Hub City Transit Department in the amount not to exceed \$700.00 for the period of 9/15/14 to 9/14/15

Attachments: 11-04-HCT MBI

VII.-2 2014-1481

Acknowledge receipt of the unadvertised bid purchase docket for the period of August 26, 2014 through October 27, 2014 as provided for in Section 31-7-13 (b) of the Mississippi Code of 1972

Attachments: 11-04-UAB Docket

VII.-3 2014-1479

Acknowledge receipt of FY 2013-2014 Expenditure Report from Hattiesburg Youth Soccer Association for HYSA Soccer Program.

Attachments: 2014 Hattiesburg Youth Soccer Expenditure Report

- VII.-4** 2014-1467 Acknowledge receipt of bids for Demolition services on September 25, 2014 (List #2) and accept the bid of Hensley R. Lee Contracting, Inc. at a total cost of \$39,800.00 as the lowest bid received in accordance with the City's advertised specifications. {Entitlement}

Attachments: Bid Tabulation 2014 List #2.xls

- VII.-5** 2014-1473 Approve Plans and Specifications for the James Street Water Treatment Plant Rehabilitation Phase III project; Authorize advertisement for bids for same.

Attachments: Contract & Specs - James Street Water Plant Phase III
 Plans - James Street Water Plant Phase III
 Advertisements for Bids - James St Water Plant Phase III

- VII.-6** 2014-1474 Approve Plans and Specifications for Jackie Dole Sherrill Community Center Foundation Repair, and Authorize Advertisement for Bid for Same.

Attachments: JDSCC Foundation Bid Specs
 JDCC Signed Foundation Drawings

- VII.-7** 2014-1468 Approve the issuance of taxi permit for April Regina Parker (F-010), to drive for Yellow Cab Company.

Attachments: April Parker Permit.
 executed April Parker Permit.

- VII.-8** 2014-1469 Approve the issuance of taxi permit for Henry Anthony Taylor(F-007), to drive for Hattiesburg Transportation Taxi Company.

Attachments: Henry Taylor Permit
 executed Henry Taylor Permit

- VII.-9** 2014-1476 Approve the sale of grave spaces, per attached memo.

Attachments: CEmetery Receipts 10-7-14
 Cemetery Deeds-11-4-2014
 executed Cemetery Deeds-11-4-2014

VII.-10 2014-1483

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

Attachments: MEMORANDUM-Manual Checks-CDBG
 CDBG Supporting Docs

VII.-11 2014-1484

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

Attachments: MEMORANDUM-Manual Checks-HOME
 HOME Supporting Docs

VII.-12 2014-1475

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

Attachments: CLAIMS DOCKET 14.10-31
 DOCKET ADDENDUM-11.4.14



City of Hattiesburg, MS

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

Master

File Number: 2014-1346

File ID: 2014-1346

Type: Ordinance

Status: Passed

Version: 2

Reference:

In Control: City Council

File Created: 08/26/2014

Brief Title: Ordinance - 2012 International Building Codes

Final Action: 11/04/2014

Minute Book Number: MB2014-244-247, Tak

Title:

TAKE FROM THE TABLE and Adopt an Ordinance amending Section 9 and 22 of the Code of Ordinances to adopt the 2012 Edition of the International Residential Code, International Building Code, International Plumbing Code, International Fuel Gas Code, International Mechanical Code, International Property Maintenance Code, International Fire Code, and the 2011 Edition of the National Electrical Code; and repealing Ordinance number 3055.

Notes:

Sponsors:

Enactment Date:

Attachments: Mayor memo on code revisions, Ordinance for 2012 Codes, executed Ordinance for 2012 Codes
ORD#3143

Enactment Number:

Contact:

Meeting Date: 09/02/2014

Drafter: Stacy Jackson

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	09/02/2014	Table				Pass

Action Text: A MOTION was made by Council Member Naylor and seconded by Council Member Delgado to TABLE to Adopt an Ordinance amending sections 9 and 22 of the Code of Ordinances to adopt the 2012 Edition of the International Residential Code, International Building Code, International Plumbing Code, International Fuel Gas Code, International Mechanical Code, International Property Maintenance Code, International Fire Code, and the 2011 Edition of the National Electrical Code; increasing applicable fees; and repealing Ordinance number 3055.

Council President Bradley stated that [the Land Code Administrator] was concerned a few years ago when [the council] adopted the previous code [about the requirement for] sprinkler systems in residential [buildings]. He said that it was and is a big deal, as a lot of money is involved. He asked if that requirement is included in [these amendments].

Mr. Mitchell said [the city will adopt] the 2012 edition except for the National Electric Code, of which 2011 is the newest edition. He said [the city's] code will be updated with the exceptions listed in Section 1, and that Section 2 deletes the residential sprinkler requirement. Council President Bradley asked if other states are doing that. Mr. Mitchell replied in the affirmative and said the State of Mississippi has adopted the 2012 code also with the exception of residential sprinklers. Mr. Mitchell said also that [the city] is changing the work that is exempt from permits to include permitting and approval authority for fences; retaining walls; sidewalks, driveways and parking lots; and decks.

Council member Delgado asked Mr. Mitchell if he has identified funding for personnel that will be needed; Mr. Mitchell said that there will not be that big of an added work load, as inspectors will be there anyway. Council member Delgado said she would like to hear from people in the construction business. She said if memory serves correctly, she had complaints about the amount of time it takes to get inspectors [on site] from time to time; she said she is not saying it has been an issue recently but that she wonders whether [the city] is looking at these changes holistically.

Mr. Mitchell said he has a vacancy for an additional building code inspector as necessary but has not filled the position yet.

Ms. Brantley stated that [the city receives requests for] variances from residential property owners who [would not need them] had they gotten permits. She said many property owners put up fences or pour concrete driveways, particularly in the historic district, and it would be helpful to deal with these [issues] on the front end. Council member Delgado asked why these considerations cannot be made a part of requirements for the historic district, rather than the city as a whole. She stated concerns about adding an additional level of regulation for homeowners as to what they can do with their property; she said she understands the need for regulation and safety, but asked whether the city needs to step further into that arena beyond what it already does.

Ms. Brantley said that pouring sidewalks and driveways involves making curb cuts onto the streets, and that doing so [unregulated] can create dangers or make the property out of compliance; she said it has been a problem in the historic district and elsewhere, including the Avenues. She said that the Land Development Code requires that all properties zoned single family must have a minimum of 50 percent green area but that sometimes people do not realize it.

Council President Bradley stated he has [served on the Council] nine years, and [the city] has had and still has issues with getting inspections done in a timely way. He said he knows Mr. Mitchell is working hard at it, but said he is creating more bureaucracy and if [the city] does not have the right people or enough people, [the situation] will become more frustrating.

Mr. Mitchell said since April 1, when he started [working at the city], his department has not caused any delays as far as getting inspectors on site within 24 hours; he said [the city] has 48 hours but completes inspections within 24 hours. He said he does not believe [inspections] will delay any work, as there are two capable inspectors and that he is also a capable inspector; Mr. Mitchell stated there is a budgeted position for a technical inspector that he has not filled yet.

Council member Delgado stated her appreciation and said her concern is that homeowners will have another hoop to jump through in order to manage their own property.

Mr. Mitchell stated that regulating these items [can help] with harmony in the neighborhood. He said that if one homeowner puts up a fence with [unacceptable] material and [causes] an argument with a neighbor, or puts a driveway next to a neighbor's property line, regulations would eliminate a lot of conflict. Council member Dryden said it sounds like [the Land Code Division hopes] to catch things in the process so that the homeowner does not have to undo it; Mr. Mitchell responded in the affirmative.

He said if [the city] can advise residents [at the start] and coordinate, it would save money and would prevent code enforcement and property owners from having to work backwards to resolve [errors].

Council President Bradley stated that education will be needed so people understand the new requirements.

Council member Delgado said there could be education without further regulations. She said she has a remedy that will not involve the city if she has a problem with something her neighbor has done that encroaches on her property. She said she would like to see [the city] err on the side of educating people as to how to enjoy their property without interfering with [their neighbors'] enjoyment of their [property].

Council member Naylor asked if [the city] has found anyone to be in violation of concrete pouring and required the concrete to be taken up; Mr. Mitchell said he has seen a lot of violations, and Ms. Brantley spoke of a current case before the historic commission. Council member Naylor repeated the question; Ms. Brantley replied in the negative. Council member Naylor commented that citizens can take action and beg forgiveness. Council member Dryden asked Mr. Mitchell if that is what [the city] is trying to prevent. Mr. Mitchell said [the city] is trying to prevent mistakes and trying to prevent one neighbor infringing on another neighbor; he said if [the city] can see [the work] up front, it can make sure it is done correctly in the first place. Council member Dryden noted that sometimes homeowners do not want to cause friction with neighbors, so if they can come to the city to help protect them, there will be an objective voice; Mr. Mitchell indicated agreement.

Council member Naylor asked about the city's requirement with regard to sprinkler systems for businesses and churches. Mr. Mitchell said that it remains the same, that it is almost identical to the 2006 code and is determined by occupancy and by the size and classification of the building. He said these amendments only except the requirement for homeowners to install sprinkler systems in new single family homes. Subsequent discussion related to specific codes that the city follows.

Mr. Mitchell explained proposed modifications of fees, increasing the cost of a standard copy of an incident report from \$5 to \$25 and the cost of certification of a fire protection system from \$25 to \$50. Council member Delgado questioned the rationale for raising the cost of an incident report to \$25 and asked about poor property owners. Mr. Mitchell said he assumes the incident report is for city police, for example, for a copy of a traffic ticket or a code violation; he said building permit fees did not change and will remain same as they have been since 2008. Subsequent discussion related to manpower costs of providing reports; Mr. Mitchell said the \$5 fee was substandard.

Council President Bradley suggested that the vote on this item be put off for two weeks for further review. He said he still wants to hear from Chief Presley about changes in the fire code. Mr. Mitchell said he will be available for further discussion at the Council's convenience.

Council member Naylor asked what will be done to notify public and businesses that will be affected as to the proposed changes; Mr. Mitchell said it will be published in the newspaper that new 2012 building codes have been adopted and will go into effect. He said most contractors know the 2012 codes are coming. He said the 2006 codes are antiquated. Council member Delgado said she would like to have some input from [contractors] before [the Council] votes on the [proposed amendments].

Following discussion, the Motion to Table received the affirmative vote of the Council as follows:

Yeas: 4 - Bradley, Delgado, Dryden and Naylor

Nays: 0

Absent: 1 - Carroll

Yea: 4 Council Member Bradley
Council Member Delgado
Council Member Dryden
Council Member Naylor

TEL-No Vote: 0

Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Naylor to TAKE FROM THE TABLE and Adopt an Ordinance (#3143) amending Section 9 and 22 of the Code of Ordinances to adopt the 2012 Edition of the International Residential Code, International Building Code, International Plumbing Code, International Fuel Gas Code, International Mechanical Code, International Property Maintenance Code, International Fire Code, and the 2011 Edition of the National Electrical Code; and repealing Ordinance number 3055.

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 2014-1346

Title

TAKE FROM THE TABLE and Adopt an Ordinance amending Section 9 and 22 of the Code of Ordinances to adopt the 2012 Edition of the International Residential Code, International Building Code, International Plumbing Code, International Fuel Gas Code, International Mechanical Code, International Property Maintenance Code, International Fire Code, and the 2011 Edition of the National Electrical Code; and repealing Ordinance number 3055.

Summary

Ordinance - 2012 International Building Codes

Budget Information

[Enter Budget Information Here Without Parentheses. Example: Cost Center Line Item, Amount]

Expenditure Type

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

Purchasing Item

[Enter Purchasing Item Here Without Parentheses. Example: Sealed Bid, State Contract, Unadvertised Bid, Regular Purchase.]

Publication Information

[Please enter publication sites and dates]

Memo

To: Hon. Johnny L. Dupree, Mayor
Hattiesburg City Council Members

From: Steve Mitchell, Building Official

cc: Pattie Brantley, Director Urban Planning and Development
Charles Lawrence, City Attorney

Date: August 18, 2014

Re: Pending Ordinance to update the City's Building Codes

The City of Hattiesburg currently participates in the Community Rating System for our insurance and floodplain management assessment. As such, The City is rated as a Class 6 community and saves our residents approximately \$86,155 per year in premiums. (Figures from attached Insurance Service Office letter dated March 20, 2014). We have been notified that our rating will increase to the maximum rating of Class 9 if we do not update our current building codes to a more current/stringent standard. This is being required across the State and approximately 60% of the State's major cities are working toward or have qualified for the more stringent codes.

The ISO requirement is that the City be no more than 2 editions behind of the most current International Code Council code update and requirements. The 2015 codes have been issued by the ICC and are currently being adopted. Hattiesburg operates under the 2006 edition and needs to upgrade because these ICC codes are updated every 3 years and we are behind by the 2009 edition and currently by the 2012 edition. Updating to the 2012 edition will bring the City into compliance until the 2021 revisions are issued and adopted. The State of Mississippi legislature has adopted Senate Bill #2378 effective August 1, 2014, adopting the 2012 edition of the ICC code revisions.

The proposed ordinance to adopt the 2012 ICC code revisions is similar to other cities within the State and follows some of the exceptions noted in Bill #2378 especially the requirements for sprinkler systems in new single family homes. Sections 1, 2, and 3 of the attached proposed ordinance modifies our acceptance of the ICC 2012 revisions and brings the new Code more into the norm for past City of Hattiesburg code requirements.

ORDINANCE NO: _____
OF THE
CITY OF HATTIESBURG, MISSISSIPPI

ADOPT AN ORDINANCE AMENDING SECTIONS 9 AND 22 OF THE CODE OF ORDINANCES TO ADOPT THE 2012 EDITION OF THE INTERNATIONAL RESIDENTIAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL PLUMBING CODE, INTERNATIONAL FUEL GAS CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL PROPERTY MAINTENANCE CODE, INTERNATIONAL FIRE CODE, AND THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE;
AND REPEALING ORDINANCE NUMBER 3055.

WHEREAS, it is the desire of the City of Hattiesburg, Mississippi to adopt, in all respects, the various Codes, relating to building, gas, housing, mechanical, plumbing and swimming pools, and

WHEREAS, the City of Hattiesburg is desirous of protecting public life, health and welfare and promoting the health, safety, morals and general welfare of the community by the adoption of these codes in order to facilitate proper inspection activities by the City of Hattiesburg, Mississippi, related to construction and to maintenance of buildings within said City of Hattiesburg and providing for the elimination or repair of unsafe buildings in a legal and timely manner within its corporate limits, by providing minimum housing standards for safe and healthful living, by providing regulatory measures in the swimming pool field, by providing basic code requirements governing the safe installation and maintenance of all mechanical equipment, by providing minimum requirements in the plumbing field, and by providing basic code requirements governing the safe installation of Consumer's piping and gas appliances for fuel gases so as to safeguard life, health, and public welfare and the protection of property, and by providing regulatory measures to control excavation, grading and earthwork construction, and

WHEREAS, the Council of the City of Hattiesburg is now fully authorized to pass an Ordinance for such purpose under the authority of Section 21-19-25 of the Mississippi Code of 1972, and other sections of said Code:

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Hattiesburg, Mississippi, that for the purpose of promoting the health, safety, morals and general welfare of the community within the corporate limits of the City of Hattiesburg, Mississippi, the following Codes, are hereby enacted into law:

SECTION 1: That the 2012 International Residential Code as modified in SECTION 2, and all appendixes except Appendix F -Radon Control Methods and Appendix L- Permit Fees. The 2012 International Building Code and all appendixes except Appendix B- Board of Appeals, Appendix D- Fire Districts, Appendix M- Tsunami- Generated Flood, The 2012 International Plumbing Code and all appendixes except Appendix A- Plumbing Permit Fee Schedule, The 2012 International Mechanical Code and all appendixes except Appendix B- Permit fee Schedule, The 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code and all appendixes, all by International Code Council, and The 2011 National

Electrical Code copies of which have this day been exhibited to and approved by the Council of the City of Hattiesburg, Mississippi, be and the same are hereby adopted and binding within the corporate limits of the City of Hattiesburg, Mississippi and the police jurisdiction thereof.

SECTION 2: That the 2012 International Residential Code be adopted and binding with the exception of: Appendix F– Radon Control Methods, Appendix L– Permit Fees. Modify the 2012 International Residential Code sections as follows:

Section R105.2- Work Exempt from Permit; Delete items 2, 3, 5, and 10. These items will require building permits.

Section R302.5.1 – Opening Protection; Insert: In lieu of self-closing device, a carbon monoxide detector may be installed on the dwelling side of the garage door opening into the living space installed as per Section 315 of this Code.

Section R309.5- Fire Sprinklers; Delete this Section in its entirety.

Section R313 -Automatic Fire Sprinkler System; Delete this Section in its entirety.

SECTION 3: That the 2012 International Building Code be adopted and binding the exception of: Appendix B – Board of Appeals, Appendix D – Fire Districts, and Appendix M – Tsunami – Generated Flood Hazard. Modify the 2012 International Building Code Sections as follows:

Section 105.2- Work Exempt From Permit; Delete Items 2, 4, and 6. These items will require building permits.

SECTION 4: That said; 2012 International Residential Code, The 2012 International Building Code, The 2012 International Plumbing Code, The 2012 International Mechanical Code, the 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code, The 2011 National Electrical Code are too voluminous to herein set out in full but copies of the same are on file with the Clerk of the City of Hattiesburg and made a part of this Ordinance as if fully and completely copied and set forth herein.

SECTION 5: The City Clerk of the City of Hattiesburg is hereby authorized, directed and empowered to insert at the appropriate place therein a Certificate to the effect that said International Codes, are official publications of the International Code Council and that the 2011 National Electrical Code is an official publication of the National Fire Protection Association and that said publications in pamphlet form by authority and under direction of the Mayor and the Council of said City of Hattiesburg are to be and become effective as The 2012 International Residential Code, The 2012 International Building Code, The 2012 International Plumbing Code, The 2012 International Mechanical Code, the 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code, and The 2011 National Electrical Code

SECTION 6: Fire Protection Systems and Equipment;

The Fire Code Official of the City of Hattiesburg shall have the authority to require certification of a person or persons who design, install or maintain fire protection equipment, such as automatic sprinkler systems, portable fire extinguishers and industrial suppression systems.

SECTION 7: Establishment of Motor Vehicle routes for Transportation of Hazardous or Explosive Materials:

The routes referred to in this Ordinance for transporting hazardous or explosive materials as identified in The International Fire Code, Appendix E or hereby established as follows: U.S. Highway 49, U.S. Highway 11, U.S. Highway 1-59, U.S. Highway 98, and Mississippi State Highway 42 are approved within said City; provided, however, in the event that a vehicle or vehicles carrying hazardous or explosive materials may be allowed to transverse the streets of the City of Hattiesburg, to and from a given destination, notification shall be made to the Hattiesburg Fire Department and to the Traffic Division of the Hattiesburg Police Department through Central Dispatch of said City.

SECTION 8: Establishment of Fire Lanes:

Access to buildings by fire apparatus, as referred to in Chapter 5, of the International Fire Code, shall also include the following:

- A. Installation of No Parking Signs or other appropriate notice, or approved Obstruction inhibiting parking may be required and, if installed, shall be maintained. The criteria regarding design and location shall be installed as defined in Appendix D of The International Fire Code. The owner (or his representative) of a building which is adjacent to the fire lane shall be responsible for keeping the fire lane free of obstructions. Written consent may be granted by the owner or his representative to the City of Hattiesburg for enforcement of individual violators.
- B. All alleys shall be considered fire lanes and must be kept clear of obstructions at all times. The only exceptions will be vehicles making deliveries to businesses with the maximum parking time being one (1) hour. Proof of such deliveries must be provided by the driver of the delivery vehicle.

SECTION 9: Modifications:

The City Council of the City of Hattiesburg shall have power to modify by subsequent ordinance any of the provisions of the International Fire Code.

SECTION 10: Fees (as established by the governing authorities of the City of Hattiesburg):

A.	Standard copy of Incident Report	-----	\$	5.00
B.	Bum Permit	-----	\$	100.00
C.	Certification of Fire Protections Systems	-----	\$	25.00
D.	Fireworks Permit	-----	\$	100.00
E.	Fireworks Permit, if apparatus is Required by Fire Official	-----	\$	250.00
F.	Hydrant Flow Test	-----	\$	100.00

SECTION 11. That Ordinance number 3055 and any and all ordinances in conflict with this ordinance, are hereby repealed.

SECTION 12: That this Ordinance take effect and be in force thirty (30) days from and after its passage as provided by law.

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

YEAS:

NAYS:

The President thereby declared the motion carried and the ordinance adopted, this the _____day of November, A.D., 2014.

(SEAL)

ATTEST:

ADOPTED:

CLERK OF COUNCIL

PRESIDENT

The above and foregoing Ordinance, having been submitted to and approved by the Mayor, this the _____day of November, A.D., 2014.

ATTEST:

APPROVED:

DEPUTY CITY CLERK

MAYOR

ORDINANCE NO: 3143

OF THE
CITY OF HATTIESBURG, MISSISSIPPI

ADOPT AN ORDINANCE AMENDING SECTIONS 9 AND 22 OF THE CODE OF ORDINANCES TO ADOPT THE 2012 EDITION OF THE INTERNATIONAL RESIDENTIAL CODE, INTERNATIONAL BUILDING CODE, INTERNATIONAL PLUMBING CODE, INTERNATIONAL FUEL GAS CODE, INTERNATIONAL MECHANICAL CODE, INTERNATIONAL PROPERTY MAINTENANCE CODE, INTERNATIONAL FIRE CODE, AND THE 2011 EDITION OF THE NATIONAL ELECTRICAL CODE; AND REPEALING ORDINANCE NUMBER 3055.

WHEREAS, it is the desire of the City of Hattiesburg, Mississippi to adopt, in all respects, the various Codes, relating to building, gas, housing, mechanical, plumbing and swimming pools, and

WHEREAS, the City of Hattiesburg is desirous of protecting public life, health and welfare and promoting the health, safety, morals and general welfare of the community by the adoption of these codes in order to facilitate proper inspection activities by the City of Hattiesburg, Mississippi, related to construction and to maintenance of buildings within said City of Hattiesburg and providing for the elimination or repair of unsafe buildings in a legal and timely manner within its corporate limits, by providing minimum housing standards for safe and healthful living, by providing regulatory measures in the swimming pool field, by providing basic code requirements governing the safe installation and maintenance of all mechanical equipment, by providing minimum requirements in the plumbing field, and by providing basic code requirements governing the safe installation of Consumer's piping and gas appliances for fuel gases so as to safeguard life, health, and public welfare and the protection of property, and by providing regulatory measures to control excavation, grading and earthwork construction, and

WHEREAS, the Council of the City of Hattiesburg is now fully authorized to pass an Ordinance for such purpose under the authority of Section 21-19-25 of the Mississippi Code of 1972, and other sections of said Code:

NOW, THEREFORE, BE IT ORDAINED by the Council of the City of Hattiesburg, Mississippi, that for the purpose of promoting the health, safety, morals and general welfare of the community within the corporate limits of the City of Hattiesburg, Mississippi, the following Codes, are hereby enacted into law:

SECTION 1: That the 2012 International Residential Code as modified in SECTION 2, and all appendixes except Appendix F -Radon Control Methods and Appendix L- Permit Fees. The 2012 International Building Code and all appendixes except Appendix B- Board of Appeals, Appendix D- Fire Districts, Appendix M- Tsunami- Generated Flood, The 2012 International Plumbing Code and all appendixes except Appendix A- Plumbing Permit Fee Schedule, The 2012 International Mechanical Code and all appendixes except Appendix B- Permit fee Schedule, The 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code and all appendixes, all by International Code Council, and The 2011 National

Electrical Code copies of which have this day been exhibited to and approved by the Council of the City of Hattiesburg, Mississippi, be and the same are hereby adopted and binding within the corporate limits of the City of Hattiesburg, Mississippi and the police jurisdiction thereof.

SECTION 2: That the 2012 International Residential Code be adopted and binding with the exception of: Appendix F- Radon Control Methods, Appendix L- Permit Fees. Modify the 2012 International Residential Code sections as follows:

Section R105.2- Work Exempt from Permit; Delete items 2, 3, 5, and 10. These items will require building permits.

Section R302.5.1 – Opening Protection; Insert: In lieu of self-closing device, a carbon monoxide detector may be installed on the dwelling side of the garage door opening into the living space installed as per Section 315 of this Code.

Section R309.5- Fire Sprinklers; Delete this Section in its entirety.

Section R313 -Automatic Fire Sprinkler System; Delete this Section in its entirety.

SECTION 3: That the 2012 International Building Code be adopted and binding the exception of: Appendix B – Board of Appeals, Appendix D – Fire Districts, and Appendix M – Tsunami – Generated Flood Hazard. Modify the 2012 International Building Code Sections as follows:

Section 105.2- Work Exempt From Permit; Delete Items 2, 4, and 6. These items will require building permits.

SECTION 4: That said; 2012 International Residential Code, The 2012 International Building Code, The 2012 International Plumbing Code, The 2012 International Mechanical Code, the 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code, The 2011 National Electrical Code are too voluminous to herein set out in full but copies of the same are on file with the Clerk of the City of Hattiesburg and made a part of this Ordinance as if fully and completely copied and set forth herein.

SECTION 5: The City Clerk of the City of Hattiesburg is hereby authorized, directed and empowered to insert at the appropriate place therein a Certificate to the effect that said International Codes, are official publications of the International Code Council and that the 2011 National Electrical Code is an official publication of the National Fire Protection Association and that said publications in pamphlet form by authority and under direction of the Mayor and the Council of said City of Hattiesburg are to be and become effective as The 2012 International Residential Code, The 2012 International Building Code, The 2012 International Plumbing Code, The 2012 International Mechanical Code, the 2012 International Fuel Gas Code, The 2012 International Property Maintenance Code, The 2012 International Fire Code, and The 2011 National Electrical Code

SECTION 6: Fire Protection Systems and Equipment;

The Fire Code Official of the City of Hattiesburg shall have the authority to require certification of a person or persons who design, install or maintain fire protection equipment, such as automatic sprinkler systems, portable fire extinguishers and industrial suppression systems.

SECTION 7: Establishment of Motor Vehicle routes for Transportation of Hazardous or Explosive Materials:

The routes referred to in this Ordinance for transporting hazardous or explosive materials as identified in The International Fire Code, Appendix E or hereby established as follows: U.S. Highway 49, U.S. Highway 11, U.S. Highway 1-59, U.S. Highway 98, and Mississippi State Highway 42 are approved within said City; provided, however, in the event that a vehicle or vehicles carrying hazardous or explosive materials may be allowed to transverse the streets of the City of Hattiesburg, to and from a given destination, notification shall be made to the Hattiesburg Fire Department and to the Traffic Division of the Hattiesburg Police Department through Central Dispatch of said City.

SECTION 8: Establishment of Fire Lanes:

Access to buildings by fire apparatus, as referred to in Chapter 5, of the International Fire Code, shall also include the following:

- A. Installation of No Parking Signs or other appropriate notice, or approved Obstruction inhibiting parking may be required and, if installed, shall be maintained. The criteria regarding design and location shall be installed as defined in Appendix D of The International Fire Code. The owner (or his representative) of a building which is adjacent to the fire lane shall be responsible for keeping the fire lane free of obstructions. Written consent may be granted by the owner or his representative to the City of Hattiesburg for enforcement of individual violators.
- B. All alleys shall be considered fire lanes and must be kept clear of obstructions at all times. The only exceptions will be vehicles making deliveries to businesses with the maximum parking time being one (1) hour. Proof of such deliveries must be provided by the driver of the delivery vehicle.

SECTION 9: Modifications:

The City Council of the City of Hattiesburg shall have power to modify by subsequent ordinance any of the provisions of the International Fire Code.

SECTION 10: Fees (as established by the governing authorities of the City of Hattiesburg):

A.	Standard copy of Incident Report	----- \$	5.00
B.	Bum Permit	----- \$	100.00
C.	Certification of Fire Protections Systems	----- \$	25.00
D.	Fireworks Permit	----- \$	100.00
E.	Fireworks Permit, if apparatus is Required by Fire Official	----- \$	250.00
F.	Hydrant Flow Test	----- \$	100.00

SECTION 11. That Ordinance number 3055 and any and all ordinances in conflict with this ordinance, are hereby repealed.

SECTION 12: That this Ordinance take effect and be in force thirty (30) days from and after its passage as provided by law.

The foregoing Ordinance having been reduced to writing, the same was introduced by Council member Carroll, seconded by Council member Naylor and was adopted by the following vote, to-wit:

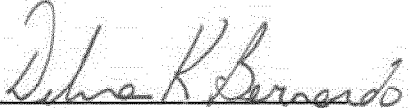
YEAS: Bradley
Delgado
Carroll
Dryden
Naylor

NAYS: None

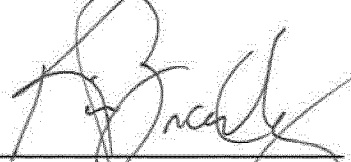
The President thereby declared the motion carried and the ordinance adopted, this the 4th day of November, A.D., 2014.

(SEAL)

ATTEST:


CLERK OF COUNCIL

ADOPTED:


PRESIDENT

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

ATTEST:


DEPUTY CITY CLERK

APPROVED:


MAYOR



City of Hattiesburg, MS

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

Master

File Number: 2014-1487

File ID: 2014-1487

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

File Created: 10/28/2014

Brief Title: Resolution adopting Motor Vehicle Assessment Schedule

Final Action: 11/04/2014

Minute Book Number: MB2014-330

Title:

Adopt Resolution for final approval of Motor Vehicle Assessment Schedule for Fiscal Year 2014-2015 and authorize publication of same.

Notes:

Sponsors:

Enactment Date:

Attachments: Motor Vehicle Resolution, executed Motor Vehicle Resolution RES#2014-204

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	11/04/2014	Adopt				Pass
Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Naylor to Adopt Resolution for final approval of Motor Vehicle Assessment Schedule for Fiscal Year 2014-2015 and authorize publication of same.							
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 2014-1487

Title

Adopt Resolution for final approval of Motor Vehicle Assessment Schedule for Fiscal Year

2014-2015 and authorize publication of same.

Summary

Motor Vehicle Resolution

Budget Information

Expenditure Type

Purchasing Item

Publication Information

RESOLUTION

FINAL APPROVAL OF MOTOR VEHICLE ASSESSMENT
SCHEDULE FOR FISCAL YEAR 2014-2015

WHEREAS, on October 7, 2014, the Mayor and Council of the City of Hattiesburg, Mississippi, in accordance with the provisions of the Motor Vehicle Ad Valorem Tax Act of 1958, and Chapter 473 of the Laws of 1960, otherwise designated as Sections 27-51-1 through 27-51-49, inclusive, of the Mississippi Code of 1972, Annotated as Amended, considered the Motor Vehicle Assessment Schedule adopted by the Mississippi State Tax Commission for the fiscal year 2014- 2015 by Order appearing in Minute Book 2014 at page(s)306-307 as the motor vehicle assessment schedule for the City of Hattiesburg, Mississippi, subject to any objections filed by any interested taxpayer; and

WHEREAS, the Mayor and Council of said City find, determine and adjudge that they have heretofore given and caused to be published in the Hattiesburg American, a newspaper published in the City of Hattiesburg and having a general circulation therein, a Certified Copy of the Order adopting said Schedule; and

WHEREAS, the Mayor and Council of the City do further find, determine and adjudge that the Proof of Publication of the aforesaid Notice to Taxpayers has been received and filed with the City Clerk and is now on file in the clerk's office; and

WHEREAS, the time having arrived for hearing all written protest to said motor vehicle assessment schedule, and the Mayor and Council do now find, determine and adjudge that no protests or objections have been filed as appearing Minute Book 2014 at page(s) 306-307.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and City Council of the City of Hattiesburg, Mississippi that the said Motor Vehicle Assessment Schedule of the City of Hattiesburg for the fiscal year 2014-15, as provided by Section 27-51-1 through 27-51-49, inclusive, Mississippi Code of 1972, Annotated as Amended.

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

YEAS:

NAYS:

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

ATTEST:

APPROVED:

CITY CLERK

MAYOR

RESOLUTION

FINAL APPROVAL OF MOTOR VEHICLE ASSESSMENT
SCHEDULE FOR FISCAL YEAR 2014-2015

WHEREAS, on October 7, 2014, the Mayor and Council of the City of Hattiesburg, Mississippi, in accordance with the provisions of the Motor Vehicle Ad Valorem Tax Act of 1958, and Chapter 473 of the Laws of 1960, otherwise designated as Sections 27-51-1 through 27-51-49, inclusive, of the Mississippi Code of 1972, Annotated as Amended, considered the Motor Vehicle Assessment Schedule adopted by the Mississippi State Tax Commission for the fiscal year 2014- 2015 by Order appearing in Minute Book 2014 at page(s)306-307 as the motor vehicle assessment schedule for the City of Hattiesburg, Mississippi, subject to any objections filed by any interested taxpayer; and

WHEREAS, the Mayor and Council of said City find, determine and adjudge that they have heretofore given and caused to be published in the Hattiesburg American, a newspaper published in the City of Hattiesburg and having a general circulation therein, a Certified Copy of the Order adopting said Schedule; and

WHEREAS, the Mayor and Council of the City do further find, determine and adjudge that the Proof of Publication of the aforesaid Notice to Taxpayers has been received and filed with the City Clerk and is now on file in the clerk's office; and

WHEREAS, the time having arrived for hearing all written protest to said motor vehicle assessment schedule, and the Mayor and Council do now find, determine and adjudge that no protests or objections have been filed as appearing Minute Book 2014 at page(s) 306-307.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and City Council of the City of Hattiesburg, Mississippi that the said Motor Vehicle Assessment Schedule of the City of Hattiesburg for the fiscal year 2014-15, as provided by Section 27-51-1 through 27-51-49, inclusive, Mississippi Code of 1972, Annotated as Amended.

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

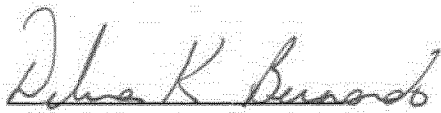
YEAS: Bradley
Delgado
Carroll
Dryden
Naylor

NAYS: None

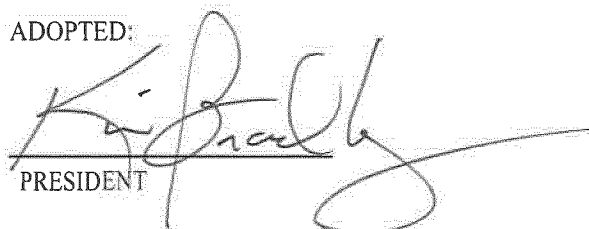
The President thereby declared the motion carried and the Resolution adopted this the 4th day of November, 2014.

(SEAL)

ATTEST:


CLERK OF COUNCIL

ADOPTED:

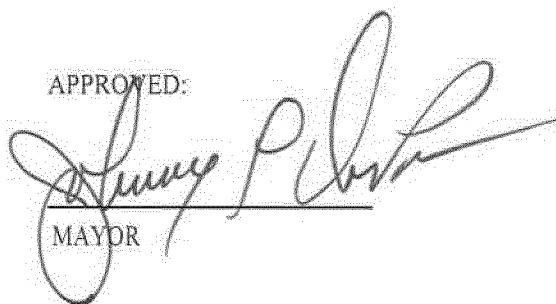

PRESIDENT

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

ATTEST:


CITY CLERK

APPROVED:


MAYOR



City of Hattiesburg, MS

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

Master

File Number: 2014-1485

File ID: 2014-1485

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

File Created: 10/28/2014

Brief Title: Adjudication Resolutions

Final Action: 11/04/2014

Minute Book Number: MB2014-331

Title:

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

Notes:

Sponsors:

Enactment Date:

Attachments: Adjudication MEMO 11-4-14, 3208 Rosewood Dr., executed 3208 Rosewood Dr. RES#2014-205, 351 Emerson Dr., executed 351 Emerson Dr. RES#2014-206, 624 Duke Ave., executed 624 Duke Ave. RES#2014-207, 1216 Hall Ave., executed 1216 Hall Ave. RES#2014-208, Corner of Perry-Hburg Ave., executed Corner of Perry-Hburg Ave. RES#2014-209, 99 Currie St., executed 99 Currie St. RES#2014-210, 1210 Scott St., executed 1210 Scott St. RES#2014-211, 620 Duke Ave., executed 620 Duke Ave. RES#2014-212, 201 Willis Ave., executed 201 Willis Ave. RES#2014-213, 201 Edna St., executed 201 Edna St. RES#2014-214

Enactment Number:

Contact:

Meeting Date:

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014	Adopt				Pass

Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Naylor to Adopt Resolutions adjudicating and directing the placement of an assessment for cleanup costs, not to exceed the value of the property per State law, as per the attached list.

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 2014-1485

Title

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

Summary

Adjudications Resolutions

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

TO: Mayor and City Council
FR: Wiley Quinn, Jr., Code Enforcement Manager
DATE: October 28, 2014
RE: Resolution Adjudications

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

Owner:	Address:	Parcel:	Cost:
1. Karen Harger - Dennis Alan Harger	3208 Rosewood Dr.	10-1009-46	\$0.00 \$250(T.O.)
2. Deric Dearman - Bancorp South Bank - Van Kyle Roane	351 Emerson Dr.	27-716-1-106	\$5307.92 \$250 (T.O.)
3. Rebuild America - James Bryant -Grady Monts -Lorenzo Peterson	624 Duke Ave.	39-12-9-19A	\$6180 \$250(T.O.)
4. Charles E. Dent - Thressa Ann Dent -Inez Patricia Deshield -Mitchell Leroy Dent -Brinda Kay Dent Gwendolyn V. Smith	1216 Hall Ave.	43-696-18-10	\$1070 \$250(T.O.)

5. Evergreen Family Trusts	Corner of Perry/S.Hattiesburg Ave.		167B-10120-226
- Susan Prisock			\$4388.32
-DBA SLP 98			\$250 (T.O.)
- Bennett Tax Co.			
- S&S Properties, LLC.			
- Merritt Tax Service			
- Frankie Owens			
- Deutsche Bank National Trust Company			
- State of Mississippi			
-Felix D. Cheatham			
 6. Jo Ann Holloway	 99 Currie St.	 42-616-3-6	 \$900 \$250 (T.O.)
 7. Long Land Investments	 1210 Scott St.	 33-956-1-5	 \$2510 \$250 (T.O.)
- Larry & Sandra Duncan			
- The Optimum Fund, LLC.			
- Rubin & Sara L. Burris			
 8. Francine Johnson	 620 Duke Ave.	 39-12-9-19B	 \$5420 \$250 (T.O.)
-George Merritt Tax Co. Inc.			
- 1991 Tax Service, Inc.			
- 1992 Tax Service, Inc.			
-Apogee Management Inc.			
- Yankee Investments			
-Ronald W. Roberson			
 9. Mary Jones	 201 Willis Ave.	 39-92-11-8	 \$3621 \$250 (T.O.)
 10. Citi Financial of MS, Inc.	 201 Edna St.	 35-620-5-2	 \$1330 \$250 (T.O.)
- Mississippi State Tax Commission			
-George Ilenas			

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

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

INDEXING INSTRUCTIONS: Commencing at a point marking the SE corner of the Gomer Pound property on the west side of thirty-first avenue, in the City of Hattiesburg, and the N ½ of the SW ¼ of NE ¼ of section 6, township 4 N, range 13 W, Forrest County, Mississippi; run thence west along the south side of the Gomer Pound property a distance of 145 feet more or less, to a point on the west edge of a ditch marked by a chain linked fence corner, which is the point of beginning of this description; Continue thence west a distance of 833 feet, more or less, to the southeast corner of the Sheffield property; run thence north 81 feet to the Paselle corner, run thence east 120 feet along the south edge of the Paselle tract to the southeast corner of the Paselle tract; run thence north 170 feet along the east edge of the Paselle tract to Rosewood Drive; run east along Rosewood Drive 523 feet to a chain link fence corner; run thence southeasterly along said fence line 238 feet, more or less, to the point of beginning, less and except all oil, gas, and other minerals heretofore reserved by former owners, and being the same property as that conveyed to the grantors' deceased mother pursuant to warranty deed dated October 29, 1975 filed at 3:10 p.m. on October 31, 1975 and appearing of record in land deed book 413 at Page 439 on file in the office of the chancery clerk of Forrest County, Mississippi, together with the improvements thereon and appurtenances thereunto belonging in the present condition.

RESOLUTION

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

Accordingly the City of Hattiesburg took action on or about May 22, 2014 to order a Title Opinion from an attorney to identify proper owners of this property.

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

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

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Karen Harger	3208 Rosewood Dr.	10-1009-46	\$0.00
-Dennis Alan Harger			\$250 (T.O)

Commencing at a point marking the SE corner of the Gomer Pound property on the west side of thirty-first avenue, in the City of Hattiesburg, and the N ½ of the SW ¼ of NE ¼ of section 6, township 4 N, range 13 W, Forrest County, Mississippi; run thence west along the south side of the Gomer Pound property a distance of 145 feet more or less, to a point on the west edge of a ditch marked by a chain linked fence corner, which is the point of beginning of this description; Continue thence west a distance of 833 feet, more or less, to the southeast corner of the Sheffield property; run thence north 81 feet to the Paselle corner, run thence east 120 feet along the south

edge of the Paselle tract to the southeast corner of the Paselle tract; run thence north 170 feet along the east edge of the Paselle tract to Rosewood Drive; run east along Rosewood Drive 523 feet to a chain link fence corner; run thence southeasterly along said fence line 238 feet, more or less, to the point of beginning, less and except all oil, gas, and other minerals heretofore reserved by former owners, and being the same property as that conveyed to the grantors' deceased mother pursuant to warranty deed dated October 29, 1975 filed at 3:10 p.m. on October 31, 1975 and appearing of record in land deed book 413 at Page 439 on file in the office of the chancery clerk of Forrest County, Mississippi, together with the improvements thereon and appurtenances thereunto belonging in the present condition.

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

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

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

YEAS:

NAYS:

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

ATTEST:

APPROVED:

CITY

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

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

INDEXING INSTRUCTIONS: Commencing at a point marking the SE corner of the Gomer Pound property on the west side of thirty-first avenue, in the City of Hattiesburg, and the N ½ of the SW ¼ of NE ¼ of section 6, township 4 N, range 13 W, Forrest County, Mississippi; run thence west along the south side of the Gomer Pound property a distance of 145 feet more or less, to a point on the west edge of a ditch marked by a chain linked fence corner, which is the point of beginning of this description; Continue thence west a distance of 833 feet, more or less, to the southeast corner of the Sheffield property; run thence north 81 feet to the Pascle corner, run thence east 120 feet along the south edge of the Pascle tract to the southeast corner of the Pascle tract; run thence north 170 feet along the east edge of the Pascle tract to Rosewood Drive; run east along Rosewood Drive 523 feet to a chain link fence corner; run thence southeasterly along said fence line 238 feet, more or less, to the point of beginning, less and except all oil, gas, and other minerals heretofore reserved by former owners, and being the same property as that conveyed to the grantors' deceased mother pursuant to warranty deed dated October 29, 1975 filed at 3:10 p.m. on October 31, 1975 and appearing of record in land deed book 413 at Page 439 on file in the office of the chancery clerk of Forrest County, Mississippi, together with the improvements thereon and appurtenances thereunto belonging in the present condition.

RESOLUTION

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

Accordingly the City of Hattiesburg took action on or about May 22, 2014 to order a Title Opinion from an attorney to identify proper owners of this property.

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

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

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Karen Harger	3208 Rosewood Dr.	10-1009-46	\$0.00
-Dennis Alan Harger			\$250 (T.O)

Commencing at a point marking the SE corner of the Gomer Pound property on the west side of thirty-first avenue, in the City of Hattiesburg, and the N ½ of the SW ¼ of NE ¼ of section 6, township 4 N, range 13 W, Forrest County, Mississippi; run thence west along the south side of the Gomer Pound property a distance of 145 feet more or less, to a point on the west edge of a ditch marked by a chain linked fence corner, which is the point of beginning of this description; Continue thence west a distance of 833 feet, more or less, to the southeast corner of the Sheffield property; run thence north 81 feet to the Pascle corner, run thence east 120 feet along the south

edge of the Pasclle tract to the southeast corner of the Pasclle tract; run thence north 170 feet along the east edge of the Pasclle tract to Rosewood Drive; run east along Rosewood Drive 523 feet to a chain link fence corner; run thence southeasterly along said fence line 238 feet, more or less, to the point of beginning, less and except all oil, gas, and other minerals heretofore reserved by former owners, and being the same property as that conveyed to the grantors' deceased mother pursuant to warranty deed dated October 29, 1975 filed at 3:10 p.m. on October 31, 1975 and appearing of record in land deed book 413 at Page 439 on file in the office of the chancery clerk of Forrest County, Mississippi, together with the improvements thereon and appurtenances thereunto belonging in the present condition.

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

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

The foregoing Resolution having been reduced to writing, the same was introduced by Council member Carroll, seconded by Council member Naylor 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 November A. D., 2014.

(S E A L)

ATTEST:

Sharon K. Bernardo
CLERK OF COUNCIL

ADOPTED:

Bradley
PRESIDENT

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

ATTEST:

Sharon White
CITY

APPROVED:

Johnny S. White

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

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

INDEXING INSTRUCTIONS: Lot 114 of Parkhaven North Subdivision or Addition to the City of Hattiesburg, Forrest County, Mississippi, as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about May 10, 2012 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Deric Dearman	351 Emerson Dr.	27-716-1-106	\$5307.92
- Bancorp South Bank			\$250(T.O)
-Van Kyle Roane			

Lot 114 of Parkhaven North Subdivision or Addition to the City of Hattiesburg, Forrest County, Mississippi, as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

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

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

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

YEAS:

NAYS:

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

ATTEST:

APPROVED:

CITY

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

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

INDEXING INSTRUCTIONS: Lot 114 of Parkhaven North Subdivision or Addition to the City of Hattiesburg, Forrest County, Mississippi, as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about May 10, 2012 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Deric Dearman	351 Emerson Dr.	27-716-1-106	\$5307.92
- Bancorp South Bank			\$250(T.O)
-Van Kyle Roane			

Lot 114 of Parkhaven North Subdivision or Addition to the City of Hattiesburg, Forrest County, Mississippi, as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

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

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

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

YEAS:	Bradley	NAYS:	None
	Delgado		
	Carroll		
	Dryden		
	Naylor		

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

(S E A L)

ATTEST:

Dulce K. Bernardo
CLERK OF COUNCIL

ADOPTED:

[Signature]
PRESIDENT

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

ATTEST:

Sharon White
CITY

APPROVED:

[Signature]

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

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

INDEXING INSTRUCTIONS: Receipt #11100 Parcel #2-038A-15-212.00 PPIN #12953 BEG. INTR. N. LN. DUKE & W. LN. RR R/W W. 158.8 FT. N. 100 FT. E. 60 FT N. 21.2FT. SE 156.3 TO POB BLK. 11 J.E. ARLEDGE SUBDIVISION PREVIOUS # H0012-09-019A

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about August 8, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Rebuild America	624 Duke Ave.	39-12-9-19A	\$6180
- James Bryant			\$250(T.O.)
-Grady Monts			
-Lorenzo Peterson			

Receipt #11100 Parcel #2-038A-15-212.00 PPIN #12953 BEG. INTR. N. LN. DUKE & W. LN. RR R/W W. 158.8 FT. N. 100 FT. E. 60 FT N. 21.2FT. SE 156.3 TO POB BLK. 11 J.E. ARLEDGE SUBDIVISION PREVIOUS # H0012-09-019A

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

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

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

YEAS:

NAYS:

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

ATTEST:

APPROVED:

CITY

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

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

INDEXING INSTRUCTIONS: Receipt #11100 Parcel #2-038A-15-212.00 PPIN #12953 BEG. INTR. N. LN. DUKE & W. LN. RR R/W W. 158.8 FT. N. 100 FT. E. 60 FT N. 21.2FT. SE 156.3 TO POB BLK. 11 J.E. ARLEDGE SUBDIVISION PREVIOUS # H0012-09-019A

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about August 8, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Rebuild America	624 Duke Ave.	39-12-9-19A	\$6180
- James Bryant			\$250(T.O.)
-Grady Monts			
-Lorenzo Peterson			

Receipt #11100 Parcel #2-038A-15-212.00 PPIN #12953 BEG. INTR. N. LN. DUKE & W. LN. RR R/W W. 158.8 FT. N. 100 FT. E. 60 FT N. 21.2FT. SE 156.3 TO POB BLK. 11 J.E. ARLEDGE SUBDIVISION PREVIOUS # H0012-09-019A

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

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

The foregoing Resolution having been reduced to writing, the same was introduced by Council member Carroll, seconded by Council member Naylor 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 November A. D., 2014.

(S E A L)

ATTEST:

Debra K. Bernardo
CLERK OF COUNCIL

ADOPTED:

Richard Brault
PRESIDENT

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

ATTEST:

Sharon White
CITY

APPROVED:

Johnny P. White

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

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

INDEXING INSTRUCTIONS: Lot 10, Block 18 of the Omega Addition in the City of Hattiesburg, Forrest County, Mississippi as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about November 20, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
. Charles E. Dent	1216 Hall Ave.	43-696-18-10	\$1070
- Thressa Ann Dent			\$250(T.O.)
- Inez Patricia Deshield			
- Mitchell Leroy Dent			
- Brinda Kay Dent			
Gwendolyn V. Smith			

Lot 10, Block 18 of the Omega Addition in the City of Hattiesburg, Forrest County, Mississippi as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

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

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

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

YEAS:

NAYS:

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

ATTEST:

APPROVED:

CITY

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

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

INDEXING INSTRUCTIONS: Lot 10, Block 18 of the Omega Addition in the City of Hattiesburg, Forrest County, Mississippi as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about November 20, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
. Charles E. Dent	1216 Hall Ave.	43-696-18-10	\$1070
- Thressa Ann Dent			\$250(T.O.)
-Inez Patricia Deshield			
-Mitchell Leroy Dent			
-Brinda Kay Dent			
Gwendolyn V. Smith			

Lot 10, Block 18 of the Omega Addition in the City of Hattiesburg, Forrest County, Mississippi as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

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

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

The foregoing Resolution having been reduced to writing, the same was introduced by Council member Carroll, seconded by Council member Naylor 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 November A. D., 2014.

(S E A L)

ATTEST:

Debra K. Bernardo
CLERK OF COUNCIL

ADOPTED:

Bradley
PRESIDENT

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

ATTEST:

Sharon White
CITY

APPROVED:

Johnny P. Davis

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

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

INDEXING INSTRUCTIONS: A part of the Northwest Quarter of the Southeast Quarter of section 26, Township 4 North, Range 13 West, described as: Commence 315 feet North of the Southwest Corner of the Northwest Quarter of the Southeast Quarter of said Sections, Township and Range and run East 210 feet to the Point of Beginning: Thence run North 105 feet; thence run East 210 feet; thence run South 105 feet; thence run West 210 feet to the Point of Beginning.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about December 3, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Evergreen Family Trusts	Corner of Perry/S.Hattiesburg Ave.		
- Susan Prisock		167B-10120-226	\$4388.32
- DBA SLP 98			\$250 (T.O.)
- Bennett Tax Co.			
- S&S Properties, LLC.			
- Merritt Tax Service			
- Frankie Owens			

A part of the Northwest Quarter of the Southeast Quarter of section 26, Township 4 North, Range 13 West, described as: Commence 315 feet North of the Southwest Corner of the Northwest Quarter of the Southeast Quarter of said Sections, Township and Range and run East 210 feet to the Point of Beginning: Thence run North 105 feet; thence run East 210 feet; thence run South 105 feet; thence run West 210 feet to the Point of Beginning.

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

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

The foregoing Resolution having been reduced to writing, the same was introduced by

Council member _____, seconded by Council member _____ and was adopted by the following vote, to-wit:

YEAS:

NAYS:

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

ATTEST:

APPROVED:

CITY

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

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

INDEXING INSTRUCTIONS: A part of the Northwest Quarter of the Southeast Quarter of section 26, Township 4 North, Range 13 West, described as: Commence 315 feet North of the Southwest Corner of the Northwest Quarter of the Southeast Quarter of said Sections, Township and Range and run East 210 feet to the Point of Beginning: Thence run North 105 feet; thence run East 210 feet; thence run South 105 feet; thence run West 210 feet to the Point of Beginning.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about December 3, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Evergreen Family Trusts	Corner of Perry/S.Hattiesburg Ave.		
- Susan Prisock		167B-10120-226	\$4388.32
-DBA SLP 98			\$250 (T.O.)
- Bennett Tax Co.			
- S&S Properties, LLC.			
- Merritt Tax Service			
- Frankie Owens			

A part of the Northwest Quarter of the Southeast Quarter of section 26, Township 4 North, Range 13 West, described as: Commence 315 feet North of the Southwest Corner of the Northwest Quarter of the Southeast Quarter of said Sections, Township and Range and run East 210 feet to the Point of Beginning: Thence run North 105 feet; thence run East 210 feet; thence run South 105 feet; thence run West 210 feet to the Point of Beginning.

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

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

The foregoing Resolution having been reduced to writing, the same was introduced by

Council member Carroll, seconded by Council member Naylor 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 November A. D., 2014.

(S E A L)

ATTEST:

Debra K. Bernardo
CLERK OF COUNCIL

ADOPTED:

K. Bradley
PRESIDENT

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

ATTEST:

Sharon White
CITY

APPROVED:

Johnny P. Clark

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

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

INDEXING INSTRUCTIONS: The East half of Lots 9 and 10 in Block 3 of the A.K. McInnis Second Addition, in the City of Hattiesburg, Forrest County, Mississippi, as per the official map or plat thereof on file in the office of Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about July 18, 2012 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Jo Ann Holloway	99 Currie St.	42-616-3-6	\$900
			\$250 (T.O.)

The East half of Lots 9 and 10 in Block 3 of the A.K. McInnis Second Addition, in the City of Hattiesburg, Forrest County, Mississippi, as per the official map or plat thereof on file in the office of Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

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

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

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

YEAS:

NAYS:

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

ATTEST:

APPROVED:

CITY

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

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

INDEXING INSTRUCTIONS: The East half of Lots 9 and 10 in Block 3 of the A.K. McInnis Second Addition, in the City of Hattiesburg, Forrest County, Mississippi, as per the official map or plat thereof on file in the office of Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about July 18, 2012 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Jo Ann Holloway	99 Currie St.	42-616-3-6	\$900
			\$250 (T.O.)

The East half of Lots 9 and 10 in Block 3 of the A.K. McInnis Second Addition, in the City of Hattiesburg, Forrest County, Mississippi, as per the official map or plat thereof on file in the office of Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto belonging.

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

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

The foregoing Resolution having been reduced to writing, the same was introduced by Council member Carroll, seconded by Council member Naylor 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 November A. D., 2014.

(S E A L)

ATTEST:

Debra K. Bernardo
CLERK OF COUNCIL

ADOPTED:

K. J. Brando
PRESIDENT

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

ATTEST:

Sharon White
CITY

APPROVED:

Jimmy J. White

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

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

INDEXING INSTRUCTIONS: Lots 5 and 6 Block 11 of the C.F. Williams Subdivision, in the City of Hattiesburg, Forrest County, Mississippi as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about July 18, 2012 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Long Land Investments	1210 Scott St.	33-956-1-5	\$2510
- Larry & Sandra Duncan			\$250 (T.O.)
- The Optimum Fund, LLC.			
- Rubin & Sara L. Burris			

Lots 5 and 6 Block 11 of the C.F. Williams Subdivision, in the City of Hattiesburg, Forrest County, Mississippi as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto.

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

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

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

YEAS:

NAYS:

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

ATTEST:

APPROVED:

CITY

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

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

INDEXING INSTRUCTIONS: Lots 5 and 6 Block 11 of the C.F. Williams Subdivision, in the City of Hattiesburg, Forrest County, Mississippi as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about July 18, 2012 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Long Land Investments	1210 Scott St.	33-956-1-5	\$2510
- Larry & Sandra Duncan			\$250 (T.O.)
- The Optimum Fund, LLC.			
- Rubin & Sara L. Burris			

Lots 5 and 6 Block 11 of the C.F. Williams Subdivision, in the City of Hattiesburg, Forrest County, Mississippi as per the official map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi, together with all improvements thereon and appurtenances thereunto.

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

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

The foregoing Resolution having been reduced to writing, the same was introduced by Council member Carroll, seconded by Council member Naylor 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 November A. D., 2014.

(S E A L)

ATTEST:

Debra K. Bernardo
CLERK OF COUNCIL

ADOPTED:

K. Bradley
PRESIDENT

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

ATTEST:

Sharon W. Warts
CITY

APPROVED:

Johnny P. Clark

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

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

INDEXING INSTRUCTIONS: Beg intr N in Duke & W in RR R/W W 158.8' to POB W 21' N 158.7' E 60' SE alg RR 40' S 21.2' W 60' S 100' to POB Blk 11 JE Arledge Sub Rec #9229 PIN #12954 Parcel #239-001201119B.00 Section 15, Township 4 North, Range 13 West Parcel/ PPIN: 239001201119B00 Forrest County, Mississippi.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about August 28, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Francine Johnson	620 Duke Ave.	39-12-9-19B	\$5420
-George Merritt Tax Co. Inc.			\$250 (T.O.)
- 1991 Tax Service, Inc.			
- 1992 Tax Service, Inc.			
-Apogee Management Inc.			
- Yankee Investments			
-Ronald W. Roberson			

Beg intr N in Duke & W in RR R/W W 158.8' to POB W 21' N 158.7' E 60' SE alg RR 40' S 21.2' W 60' S 100' to POB Blk 11 JE Arledge Sub Rec #9229 PIN #12954 Parcel #239-001201119B.00 Section 15, Township 4 North, Range 13 West Parcel/ PPIN: 239001201119B00 Forrest County, Mississippi.

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

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

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

YEAS:

NAYS:

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

ATTEST:

APPROVED:

CITY

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

Return to:
City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
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INDEXING INSTRUCTIONS: Beg intr N in Duke & W in RR R/W W 158.8' to POB W 21' N 158.7' E 60' SE alg RR 40' S 21.2' W 60' S 100' to POB Blk 11 JE Arledge Sub Rec #9229 PIN #12954 Parcel #239-001201119B.00 Section 15, Township 4 North, Range 13 West Parcel/ PPIN: 239001201119B00 Forrest County, Mississippi.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about August 28, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Francine Johnson	620 Duke Ave.	39-12-9-19B	\$5420
-George Merritt Tax Co. Inc.			\$250 (T.O.)
- 1991 Tax Service, Inc.			
- 1992 Tax Service, Inc.			
-Apogee Management Inc.			
- Yankee Investments			
-Ronald W. Roberson			

Beg intr N in Duke & W in RR R/W W 158.8' to POB W 21' N 158.7' E 60' SE alg RR 40' S 21.2' W 60' S 100' to POB Blk 11 JE Arledge Sub Rec #9229 PIN #12954 Parcel #239-001201119B.00 Section 15, Township 4 North, Range 13 West Parcel/ PPIN: 239001201119B00 Forrest County, Mississippi.

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

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

The foregoing Resolution having been reduced to writing, the same was introduced by Council member Carroll, seconded by Council member Naylor 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 November A. D., 2014.

(S E A L)

ATTEST:

Debra K. Bernardo
CLERK OF COUNCIL

ADOPTED:

R. Brundage
PRESIDENT

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

ATTEST:

Sharon White
CITY

APPROVED:

Johnny P. Clark

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

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

INDEXING INSTRUCTIONS: Lot 8, in Block 11 of the J.H. Bushman Subdivision of the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about December 16, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Mary Jones	201 Willis Ave.	39-92-11-8	\$3621 \$250 (T.O.)

Lot 8, in Block 11 of the J.H. Bushman Subdivision of the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

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

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

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

YEAS:

NAYS:

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

ATTEST:

APPROVED:

CITY

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

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

INDEXING INSTRUCTIONS: Lot 8, in Block 11 of the J.H. Bushman Subdivision of the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about December 16, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Mary Jones	201 Willis Ave.	39-92-11-8	\$3621
			\$250 (T.O.)

Lot 8, in Block 11 of the J.H. Bushman Subdivision of the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

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

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

The foregoing Resolution having been reduced to writing, the same was introduced by Council member Carroll, seconded by Council member Naylor 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 November A. D., 2014.

(S E A L)

ATTEST:

Sharon K. Bernards
CLERK OF COUNCIL

ADOPTED:

K. J. Brady
PRESIDENT

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

ATTEST:

Sharon K. Bernards
CITY

APPROVED:

Sharon K. Bernards

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

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

INDEXING INSTRUCTIONS: Lot 1 and the South 8 feet of Lot 2, Block 5 of the D.D. McInnis First Addition of the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about December 17, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Citi Financial of MS, Inc.	201 Edna St.	35-620-5-2	\$1330
- Mississippi State Tax Commission			\$250 (T.O.)
-George Ilenas			

Lot 1 and the South 8 feet of Lot 2, Block 5 of the D.D. McInnis First Addition of the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

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

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

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

YEAS:

NAYS:

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

ATTEST:

APPROVED:

CITY

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

Return to:
City of Hattiesburg
City Clerk's Office
P.O. Box 1898
Hattiesburg, MS 39403-1898
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INDEXING INSTRUCTIONS: Lot 1 and the South 8 feet of Lot 2, Block 5 of the D.D. McInnis First Addition of the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

RESOLUTION

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

WHEREAS, the following property has been cleaned by the City of Hattiesburg (Public Works) on or about December 17, 2013 on behalf of the City.

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

Section 1. That the City Council of the City of Hattiesburg does hereby adjudicate and direct the placement as an assessment the cleanup cost, not to exceed the value of the property per State Law, against the following described property:

OWNER/LEGAL	ADDRESS	PARCEL NUMBER	CLEAN-UP COST
Citi Financial of MS, Inc.	201 Edna St.	35-620-5-2	\$1330
- Mississippi State Tax Commission			\$250 (T.O.)
-George Ilenas			

Lot 1 and the South 8 feet of Lot 2, Block 5 of the D.D. McInnis First Addition of the City of Hattiesburg, County of Forrest, State of Mississippi, as per the map or plat thereof on file in the office of the Chancery Clerk of Forrest County, Mississippi.

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

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

The foregoing Resolution having been reduced to writing, the same was introduced by Council member Carroll, seconded by Council member Naylor 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 November A. D., 2014.

(S E A L)

ATTEST:

Debra K. Bernardo
CLERK OF COUNCIL

ADOPTED:

K. Bradley
PRESIDENT

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

ATTEST:

Sharon White
CITY

APPROVED:

Johnny P. [Signature]



City of Hattiesburg, MS

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

Master

File Number: 2014-227

File ID: 2014-227

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

File Created: 10/28/2014

Brief Title: Project Resolution Requisition No. 17 - 2013 Bonds

Final Action: 11/04/2014

Minute Book Number: MB2014-331

Title:

Adopt a Resolution authorizing Requisition No. 17 from the Project Fund Construction Account in connection with 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: Bond Requisition No. 17, executed Bond Requisition No. 17 RES#2014-215

Enactment Number:

Contact:

Meeting Date: 11/04/2014

Drafter: Gene Polk

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014	Adopt				Pass
Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Naylor to Adopt a Resolution authorizing Requisition No. 17 from the Project Fund Construction Account in connection with 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 2014-227

Title

Adopt a Resolution authorizing Requisition No. 17 from the Project Fund Construction Account in connection with 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. 17 - 2013 Bonds

Budget Information

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. 17 from the Project Fund Construction Account in connection with the loan agreement between the Mississippi Development Bank and the City dated December 19, 2014. 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. 17 FROM THE PROJECT FUND CONSTRUCTION ACCOUNT IN CONNECTION WITH THAT CERTAIN LOAN AGREEMENT, DATED AS OF DECEMBER 19, 2014, BY AND BETWEEN THE MISSISSIPPI DEVELOPMENT BANK AND THE CITY.

Whereas, on December 19, 2014 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, 2014, 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. 17 from the Project Fund Construction Account under the Loan in the total aggregate amount of \$136,265.20 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. 17 from the Project Fund Construction Account under the Loan in the total aggregate amount of **One Hundred Thirty-six Thousand Two Hundred Sixty-five & 20/100 dollars (\$136,265.20)** 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. 17 in the total aggregate **amount of One Hundred Thirty-six Thousand Two Hundred Sixty-five & 20/100 dollars (\$136,265.20)** 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 November, 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 November, 2014.

CITY CLERK

MAYOR

EXHIBIT A

PROJECT FUND CONSTRUCTION ACCOUNT REQUISITION

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.: 17

DATE OF REQUISITION: 11/4/2014

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
1	Myers Underground Utilities 408 Ryan Rd Hattiesburg, MS 39401	105695.7245.11	\$ 21,595.50	Pay Estimate #1	Water Line Ext Old 98 - Runnels Rd Period: 9/9/14-10/21/14 MB 2011-4/89-110 SDJW #1273-W011
2	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.6015	\$ 114,669.70	18248	Inflow and Infiltration (I/I) Study - Phase I Sanitary Sewer Evaluation Study (SSES) Task Order 2 Period: 8/21/14 - 9/21/14 MB 2014-36-37 SDJW #11202 Per John Weeks, SDJW, Task Order #2 is what we are currently working under & is a specific line item in the COMSWIP program
			<u>\$ 136,265.20</u>		



Engineering Progress

October 23, 2014

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

Attn: Lamar Rutland, P.E.

Re: Water and Sewer Extensions along W.L. Runnels Industrial Drive
City of Hattiesburg

Dear Mr. Rutland:

Enclosed please find Pay Estimate #1 in the amount of \$21,595.50 for the above referenced project.

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

Sincerely,

Kyle D. Wallace, P.E.
Project Engineer

/rs

Enclosure

166627
~~105695~~ OR
105695, 7245.11
2011-4/89-110
MYERS UNDERGROUND
UTILITIES

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

Date: 10/22/2014

Project: Water & Sewer Extension along W.L. Runnels Industrial Drive

Contractor: Myers Underground Utilities

Pay Estimate No.: One (1)

Pay Period: Sept. 9, 2014 to October 21, 2014

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

CONTRACT TOTAL: \$ 221,701.50

1	12" SDR 26 PVC Sewer Pipe (0'-6')	57			Lin. Ft.		\$ -
2	12" SDR 26 PVC Sewer Pipe (8'-10')	263			Lin. Ft.		\$ -
3	12" SDR 26 PVC Sewer Pipe (10'-12')	448			Lin. Ft.		\$ -
4	12" SDR 26 PVC Sewer Pipe (12'-14')	118			Lin. Ft.		\$ -
5	12" SDR 26 PVC Sewer Pipe (14'-16')	85			Lin. Ft.		\$ -
6	12" SDR 26 PVC Sewer Pipe (16'-18')	76			Lin. Ft.		\$ -
7	12" SDR 26 PVC Sewer Pipe (18'-20')	80			Lin. Ft.		\$ -
8	12" SDR 26 PVC Sewer Pipe (20'-22')	175			Lin. Ft.		\$ -
9	12" SDR 26 PVC Sewer Pipe (22'-24')	207			Lin. Ft.		\$ -
10	12" SDR 26 PVC Sewer Pipe (24'-26')	170			Lin. Ft.		\$ -
11	18" Steel Casing 0.375" WT (Bored)	50	50	50	Lin. Ft.	\$237.50	\$ 11,875.00
12	48" Precast Concrete Sewer Manhole (8'-10')	2			Each		\$ -
13	48" Precast Concrete Sewer Manhole (10'-12')	1			Each		\$ -
14	48" Precast Concrete Sewer Manhole (14'-16')	1			Each		\$ -
15	48" Precast Concrete Sewer Manhole (22'-24')	1			Each		\$ -
16	12" Class 350 Ductile Iron Water Pipe	90			Lin. Ft.		\$ -
17	18" Steel Casing 0.375" WT (Bored)	80	80	80	Lin. Ft.	\$151.50	\$ 12,120.00
18	Connection: Proposed 12" to Existing 12" (Tee & other fittings)	1			Each		\$ -
19	Connection: Proposed 12" to Proposed 12" (Tee & other fittings)	1			Each		\$ -
20	12" Gate Valve	3			Each		\$ -
21	3-Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Tag, Pipe & other fittings)	1			Each		\$ -
22	Grassing	1			Lump Sum		\$ -
23	Temporary Erosion Control	1			Lump Sum		\$ -
24	Mobilization	1			Lump Sum		\$ -
25	Maintenance of Traffic	1			Lump Sum		\$ -

Total Earned - Regular Work	\$ 23,995.00
Less 10% Retainage	\$ 2,399.50
Less Stored Materials	\$ -
Total Due - Regular Work	\$ 21,595.50
Less Previous Payments	\$ -
Net Amount Due This Estimate	\$ 21,595.50
Less Deductions	\$ -
Net Payment Due	\$ 21,595.50

CERTIFIED CORRECT:
Shows, Dearman & Waits, Inc.

APPROVED:


 Kyle D. Wallace
 Project Engineer

OWNER



160672 OR

105695.6015
MB 2014-36-37

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

October 20, 2014
Project No: 11202
Invoice No: 18248

Project Manager John Weeks

Project 11202 I/I Study

Professional Services from August 21, 2014 to September 21, 2014

Phase 01 I/I Study

Task 02 Sanitary Sewer Evaluation Study (SSES)

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Pay Request No. 1	0.00	0.00	248,228.49	248,228.49	0.00
Pay Request No. 2	354,520.37	100.00	354,520.37	354,520.37	0.00
Pay Request No. 3	188,200.55	100.00	188,200.55	188,200.55	0.00
Pay Request No. 4	67,506.41	100.00	67,506.41	67,506.41	0.00
Pay Request No. 5	102,259.25	100.00	102,259.25	102,259.25	0.00
Pay Request No. 6	121,267.27	100.00	121,267.27	121,267.27	0.00
Pay Request No. 7	114,669.70	100.00	114,669.70	0.00	114,669.70
Total Fee	948,423.55		1,196,652.04	1,081,982.34	114,669.70
Total Fee					114,669.70
Total this Task					\$114,669.70
Total this Phase					\$114,669.70
Total this Invoice					\$114,669.70

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

CITY OF HATTIESBURG
PROJECT NO. 11202 - SEWER SYSTEM EVALUATION SURVEY (SSES)
PAY REQUEST NO. 7
From 08/21/2014 - 09/21/2014

Item No.	Service Description	Quantity	Price	Extension
SECTION 1000 MOBILIZATION DEMOBILIZATION				
1000.01	Mobilization & Demobilization of Standard Equipment & Crews	1	\$ 10,000.00	\$ 10,000.00
SECTION 2000 FLOW MONITORING SERVICES				
2000.01	Temporary Flow Monitoring - Turn-Key Study w/Report - 60 Day Study	79	\$ 5,000.00	\$ 395,000.00
2000.02	Temporary Flow Monitoring - 30 Day Extension		\$ 2,250.00	\$ -
2000.03	Temporary Rain Guage - Turn-Key Study w/Report - Based on 60 Day Stu	10	\$ 1,650.00	\$ 16,500.00
2000.04	Temporary Rain Guage - 30 Day Extension		\$ 750.00	\$ -
2000.05	Pump Station Evaluation - Monitoring & Pump Conformations		\$ 1,600.00	\$ -
2000.06	Long-Term Flow Monitor Installation		\$ 2,750.00	\$ -
2000.07	Long-Term Flow Monitor Maintenance, Calibration & Reporting - Per Mo.		\$ 1,250.00	\$ -
2000.08	Long-Term Rain Guage Installation		\$ 1,000.00	\$ -
2000.09	Long-Term Rain Guage Maintenance, Calibration & Reporting - Per Mo.		\$ 350.00	\$ -
2000.10	Night Flow Isolation		\$ 350.00	\$ -
SECTION 3000 SMOKE TESTING				
3000.01	Smoke Testing (Including Data Management)	281305	\$ 0.50	\$ 140,652.49
SECTION 4000 MANHOLE SERVICES				
4000.01	3D MH Condition Assessment w/Internal Images and GPS Data Collection		\$ 100.00	\$ -
4000.02	Structural Manhole Condition Assessment w/Internal Images		\$ 85.00	\$ -
4000.03	Removal of Stabilized Debris		\$ 255.00	\$ -
4000.04	Manhole Inspection Data Management		\$ 4.50	\$ -
SECTION 5000 SANITARY SEWER LINE CLEANING				
5000.01	Standard Cleaning 6" Sanitary Sewer	23407.4	\$ 1.30	\$ 30,429.62
5000.02	Standard Cleaning 8" Sanitary Sewer	67804.6	\$ 1.45	\$ 98,316.67
5000.03	Standard Cleaning 10" Sanitary Sewer	21816.3	\$ 1.60	\$ 34,906.08

5000.04	Standard Cleaning 12" Sanitary Sewer	13029.3	\$	2.10	\$	27,361.53
5000.05	Standard Cleaning 15" Sanitary Sewer	6650.2	\$	3.15	\$	20,948.13
5000.06	Standard Cleaning 18" Sanitary Sewer	3525.6	\$	5.90	\$	20,801.04
5000.07	Standard Cleaning 21" Sanitary Sewer		\$	6.75	\$	-
5000.08	Standard Cleaning 24" Sanitary Sewer	78.8	\$	7.75	\$	610.70
5000.09	Standard Cleaning 27" Sanitary Sewer		\$	8.75	\$	-
5000.10	Standard Cleaning 30" Sanitary Sewer		\$	10.25	\$	-
5000.11	Standard Cleaning 36" Sanitary Sewer		\$	12.25	\$	-
5000.12	Protruding Tap Cutting	6	\$	210.00	\$	1,260.00
SECTION 6000 ROOT/GREASE CUTTING						
6000.01	Root/Grease Cutting in 6" - 12" Sanitary Sewer	1641.9	\$	1.25	\$	2,052.38
6000.02	Root/Grease Cutting in 15" - 21" Sanitary Sewer	60	\$	2.10	\$	126.00
6000.03	Root/Grease Cutting in 24" - 36" Sanitary Sewer	0	\$	3.70	\$	-
SECTION 7000 CLOSED CIRCUIT TELEVISION INSPECTION						
7000.01	CCTV Inspection <21" Sewer Pipe	123159.4	\$	1.35	\$	166,265.19
7000.02	CCTV Inspection 21" - 36" Sewer Pipe	740.6	\$	2.15	\$	1,592.29
7000.03	CCTV Inspection of Service Laterals w/GPS Data Collection		\$	250.00	\$	-
7000.04	Additional Set Up	126	\$	200.00	\$	25,200.00
7000.05	CCTV Inspection Data Management	148920.6	\$	0.20	\$	29,784.12
SECTION 8000 SPECIALTY INSPECTION						
8000.01	Sonar/CCTV Inspection of 18" - 36" Sewer Line	25020.6	\$	5.50	\$	137,613.30
SECTION 9000 BYPASS PUMPING						
9000.01	Setup of 3"-4" Bypass Pump		\$	700.00	\$	-
9000.02	Setup of 6" Bypass Pump		\$	1,500.00	\$	-
9000.03	Setup of 8" Bypass Pump		\$	2,000.00	\$	-
9000.04	Operation of 3"-4" Bypass Pump		\$	40.00	\$	-
9000.05	Operation of 6" Bypass Pump		\$	65.00	\$	-
9000.06	Operation of 8" Bypass Pump		\$	90.00	\$	-
SECTION 10000 MISCELLANEOUS FIELD SERVICES						
10000.01	Traffic Flagman	78.5	\$	45.00	\$	3,532.50

10000.02	Cleaning Wet Wells		\$	425.00	\$	-
10000.03	Dye Testing		\$	450.00	\$	-
10000.04	Combination Cleaning Truck w/Operator & Helper <10,000 LF (Min 8 Hrs)	81	\$	300.00	\$	24,300.00
10000.05	CCTV Inspection Unit w/Operator & Helper <10,000 LF (Min 8 Hrs)	47	\$	200.00	\$	9,400.00
10000.06	Rehabilitation Recommendations		\$	0.30	\$	-
SECTION 11000 MODELING						
11000.01	Calibrate Hydraulic Flow Model		\$	86,000.00	\$	-
		TOTALS			\$	1,196,652.04

Less Presiously Invoiced \$ 1,081,982.34

Total Due \$ 114,669.70



City of Hattiesburg
2013 Sewer & Water Bond
Summary of Payments
As of 11/4/14

Project Name	Payments by Project This Requisition	Payments to Date from This Bond
18" Sewer Trunk Lines	-	133,168.99
Comprehensive Sanitary Sewer Study Task 1		6,300.00
Comprehensive Sanitary Sewer Study Task 2		645,553.30
Construction of Drying Bed at North Lagoon		18,000.00
Hwy 98 Booster Station		43,522.75
Hwy 98 Elevated Water Tank		113,226.30
Hwy 98 Fire Lines		48,652.50
Inflow and Infiltration Study	114,669.70	436,429.04
James St Water Well # 3		19,627.99
No-Discharge Wastewater Treatment System	-	292,127.60
Sewer Improvements Ph I		85,627.61
Sewer Improvements Ph II	-	256,522.58
Sewer Improvements Ph III	-	463,497.14
Sewer Improvements Ph IV		2,690.00
Water Improvements Ph I	-	115,051.65
Water Improvements Ph II	-	185,989.33
Water Improvements Ph III	-	85,747.50
Water Improvements Ph IV	-	19,200.00
Water Line Old 98 & Runnels Rd	21,595.50	12,142.50
Wesley Water Well # 2		17,277.50
WTP #2 Filter #6 Repairs	-	27,625.00
Grand Total	136,265.20	3,027,979.28

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, 2014 (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. 17 from the Project Fund Construction Account in connection with the loan agreement between the Mississippi Development Bank and the City dated December 19, 2014. 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. 17 FROM THE PROJECT FUND CONSTRUCTION ACCOUNT IN CONNECTION WITH THAT CERTAIN LOAN AGREEMENT, DATED AS OF DECEMBER 19, 2014, BY AND BETWEEN THE MISSISSIPPI DEVELOPMENT BANK AND THE CITY.

Whereas, on December 19, 2014 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, 2014, 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. 17 from the Project Fund Construction Account under the Loan in the total aggregate amount of \$136,265.20 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. 17 from the Project Fund Construction Account under the Loan in the total aggregate amount of **One Hundred Thirty-six Thousand Two Hundred Sixty-five & 20/100 dollars (\$136,265.20)** 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. 17 in the total aggregate amount of **One Hundred Thirty-six Thousand Two Hundred Sixty-five & 20/100 dollars (\$136,265.20)** 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 Naylor, and was adopted by the following roll call vote, to wit:

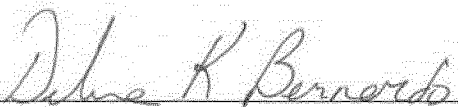
YEAS: Bradley
Delgado
Carroll
Dryden
Naylor

NAYS: None

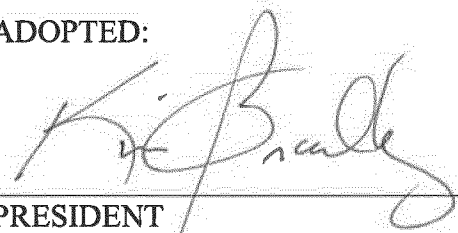
The President thereby declared the motion carried and the resolution adopted, this the **4th** day of **November**, 2014.

(SEAL)

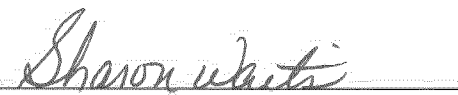
ATTEST:


CLERK OF COUNCIL

ADOPTED:


PRESIDENT

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


CITY CLERK

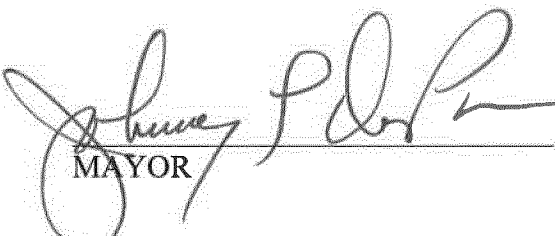

MAYOR

EXHIBIT A

PROJECT FUND CONSTRUCTION ACCOUNT REQUISITION

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.: 17

DATE OF REQUISITION: 11/4/2014

Item #	Payee Name & Address	Budget Line Item	Payment Amount	Invoice #	Purpose of Payment
1	Myers Underground Utilities 408 Ryan Rd Hattiesburg, MS 39401	105695.7245.11	\$ 21,595.50	Pay Estimate #1	Water Line Ext Old 98 - Runnels Rd Period: 9/9/14-10/21/14 MB 2011-4/89-110 SDJW #1273-W011
2	Shows, Dearman, & Waits, Inc. 301 Second Ave P O Box 1711 Hattiesburg, MS 39403-1711	105695.6015	\$ 114,669.70	18248	Inflow and Infiltration (I/I) Study - Phase I Sanitary Sewer Evaluation Study (SSES) Task Order 2 Period: 8/21/14 - 9/21/14 MB 2014-36-37 SDJW #11202 Per John Weeks, SDJW, Task Order #2 is what we are currently working under & is a specific line item in the COMSWIP program
			<u>\$ 136,265.20</u>		



Engineering Progress

October 23, 2014

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

Attn: Lamar Rutland, P.E.

Re: Water and Sewer Extensions along W.L. Runnels Industrial Drive
City of Hattiesburg

Dear Mr. Rutland:

Enclosed please find Pay Estimate #1 in the amount of \$21,595.50 for the above referenced project.

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

Sincerely,

Kyle D. Wallace, P.E.
Project Engineer

/rs

Enclosure

166627
~~166552~~ OR
105695.7245.11
2011-4/89-110
MYERS UNDERGROUND
UTILITIES

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

Project: Water & Sewer Extension along W.L. Runnels Industrial Drive

Date: 10/22/2014

Contractor: Myers Underground Utilities

Pay Estimate No.: One (1)

Pay Period: Sept. 9, 2014 to October 21, 2014

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

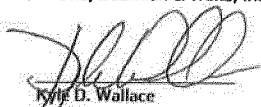
CONTRACT TOTAL: \$ 221,701.50

1	12" SDR 26 PVC Sewer Pipe (0'-6')	57			Lin. Ft.		\$ -
2	12" SDR 26 PVC Sewer Pipe (8'-10')	263			Lin. Ft.		\$ -
3	12" SDR 26 PVC Sewer Pipe (10'-12')	448			Lin. Ft.		\$ -
4	12" SDR 26 PVC Sewer Pipe (12'-14')	118			Lin. Ft.		\$ -
5	12" SDR 26 PVC Sewer Pipe (14'-16')	85			Lin. Ft.		\$ -
6	12" SDR 26 PVC Sewer Pipe (16'-18')	76			Lin. Ft.		\$ -
7	12" SDR 26 PVC Sewer Pipe (18'-20')	80			Lin. Ft.		\$ -
8	12" SDR 26 PVC Sewer Pipe (20'-22')	175			Lin. Ft.		\$ -
9	12" SDR 26 PVC Sewer Pipe (22'-24')	207			Lin. Ft.		\$ -
10	12" SDR 26 PVC Sewer Pipe (24'-26')	170			Lin. Ft.		\$ -
11	18" Steel Casing 0.375" WT (Bored)	50	50	50	Lin. Ft.	\$237.50	\$ 11,875.00
12	48" Precast Concrete Sewer Manhole (8'-10')	2			Each		\$ -
13	48" Precast Concrete Sewer Manhole (10'-12')	1			Each		\$ -
14	48" Precast Concrete Sewer Manhole (14'-16')	1			Each		\$ -
15	48" Precast Concrete Sewer Manhole (22'-24')	1			Each		\$ -
16	12" Class 350 Ductile Iron Water Pipe	90			Lin. Ft.		\$ -
17	18" Steel Casing 0.375" WT (Bored)	80	80	80	Lin. Ft.	\$151.50	\$ 12,120.00
18	Connection: Proposed 12" to Existing 12" (Tee & other fittings)	1			Each		\$ -
19	Connection: Proposed 12" to Proposed 12" (Tee & other fittings)	1			Each		\$ -
20	12" Gate Valve	3			Each		\$ -
21	3-Way Fire Hydrant w/ Appurtenances (Incl. Tee, Valve, Hydrant, Tag, Pipe & other fittings)	1			Each		\$ -
22	Grassing	1			Lump Sum		\$ -
23	Temporary Erosion Control	1			Lump Sum		\$ -
24	Mobilization	1			Lump Sum		\$ -
25	Maintenance of Traffic	1			Lump Sum		\$ -

Total Earned - Regular Work	\$ 23,995.00
Less 10% Retainage	\$ 2,399.50
Less Stored Materials	\$ -
Total Due - Regular Work	\$ 21,595.50
Less Previous Payments	\$ -
Net Amount Due This Estimate	\$ 21,595.50
Less Deductions	\$ -
Net Payment Due	\$ 21,595.50

CERTIFIED CORRECT:
Shows, Dearman & Waits, Inc.

APPROVED:


 Kyle D. Wallace
 Project Engineer

OWNER



160672 OR

105695.6015
MB 2014-36-37

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

October 20, 2014
Project No: 11202
Invoice No: 18248

Project Manager John Weeks

Project 11202 I/I Study

Professional Services from August 21, 2014 to September 21, 2014

Phase 01 I/I Study

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Pay Request No. 4	67,506.41	100.00	67,506.41	67,506.41	0.00
Pay Request No. 5	102,259.25	100.00	102,259.25	102,259.25	0.00
Pay Request No. 6	121,267.27	100.00	121,267.27	121,267.27	0.00
Pay Request No. 7	114,669.70	100.00	114,669.70	0.00	114,669.70
Total Fee	948,423.55		1,196,652.04	1,081,982.34	114,669.70
Total Fee					114,669.70
Total this Task					\$114,669.70
Total this Phase					\$114,669.70
Total this Invoice					\$114,669.70

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CITY OF HATTIESBURG
PROJECT NO. 11202 - SEWER SYSTEM EVALUATION SURVEY (SSES)
PAY REQUEST NO. 7
From 08/21/2014 - 09/21/2014

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2000.06	Long-Term Flow Monitor Installation		\$ 2,750.00	\$ -
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SECTION 4000 MANHOLE SERVICES				
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5000.10	Standard Cleaning 30" Sanitary Sewer		\$	10.25	\$	-
5000.11	Standard Cleaning 36" Sanitary Sewer		\$	12.25	\$	-
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6000.02	Root/Grease Cutting in 15" - 21" Sanitary Sewer	60	\$	2.10	\$	126.00
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SECTION 7000 CLOSED CIRCUIT TELEVISION INSPECTION

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7000.05	CCTV Inspection Data Management	148920.6	\$	0.20	\$	29,784.12

SECTION 8000 SPECIALTY INSPECTION

8000.01	Sonar/CCTV Inspection of 18" - 36" Sewer Line	25020.6	\$	5.50	\$	137,613.30
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SECTION 9000 BYPASS PUMPING

9000.01	Setup of 3"-4" Bypass Pump		\$	700.00	\$	-
9000.02	Setup of 6" Bypass Pump		\$	1,500.00	\$	-
9000.03	Setup of 8" Bypass Pump		\$	2,000.00	\$	-
9000.04	Operation of 3"-4" Bypass Pump		\$	40.00	\$	-
9000.05	Operation of 6" Bypass Pump		\$	65.00	\$	-
9000.06	Operation of 8" Bypass Pump		\$	90.00	\$	-

SECTION 10000 MISCELLANEOUS FIELD SERVICES

10000.01	Traffic Flagman	78.5	\$	45.00	\$	3,532.50
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10000.02	Cleaning Wet Wells		\$	425.00	\$	-
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Less Presiously Invoiced \$ 1,081,982.34

Total Due \$ 114,669.70



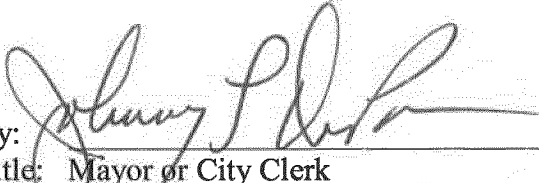
City of Hattiesburg
2013 Sewer & Water Bond
Summary of Payments
As of 11/4/14

Project Name	Payments by Project This Requisition	Payments to Date from This Bond
18" Sewer Trunk Lines	-	133,168.99
Comprehensive Sanitary Sewer Study Task 1		6,300.00
Comprehensive Sanitary Sewer Study Task 2		645,553.30
Construction of Drying Bed at North Lagoon		18,000.00
Hwy 98 Booster Station		43,522.75
Hwy 98 Elevated Water Tank		113,226.30
Hwy 98 Fire Lines		48,652.50
Inflow and Infiltration Study	114,669.70	436,429.04
James St Water Well # 3		19,627.99
No-Discharge Wastewater Treatment System	-	292,127.60
Sewer Improvements Ph I		85,627.61
Sewer Improvements Ph II	-	256,522.58
Sewer Improvements Ph III	-	463,497.14
Sewer Improvements Ph IV		2,690.00
Water Improvements Ph I	-	115,051.65
Water Improvements Ph II	-	185,989.33
Water Improvements Ph III	-	85,747.50
Water Improvements Ph IV	-	19,200.00
Water Line Old 98 & Runnels Rd	21,595.50	12,142.50
Wesley Water Well # 2		17,277.50
WTP #2 Filter #6 Repairs	-	27,625.00
Grand Total	136,265.20	3,027,979.28

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, 2014 (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)



City of Hattiesburg, MS

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

Master

File Number: 2014-1466

File ID: 2014-1466

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/22/2014

Brief Title: Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 23 for the USA Yeast Wastewater Treatment Project.

Final Action: 11/04/2014

Minute Book Number: MB2014-331-332

Title:

Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 23 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of \$9,137.74.

Notes:

Sponsors:

Enactment Date:

Attachments: Request for Cash No 23, executed Request for Cash No 23

Enactment Number:

Contact:

Meeting Date: 11/04/2014

Drafter: Gene Polk

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014	Authorize				Pass
Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Naylor to Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 23 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of \$9,137.74.							
Council President Bradley stated that Nathan Husman of Neel-Schaffer reports USA Yeast has turned the evaporator on and off and has had clear effluent; he said Mr. Husman expects it to be fully operational by the end of the year and will provide an update next month.							
Following 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 2014-1466

Title

Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 23 for the USA Yeast Wastewater Treatment Project (CDBG#R-103-205-03-KED) in the amount of \$9,137.74.

Summary

Authorize Mayor to execute Request for Cash and Summary Support Sheet No. 23 for the USA Yeast Wastewater Treatment Project.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMO

DATE: October 20, 2014
TO: Honorable Johnny L. DuPree
City of Hattiesburg
FROM: Ann Frazier
Jimmy G. Gouras Urban Planning
RE: **City of Hattiesburg**
CDBG Project #R-103-205-03-KED
Wastewater Treatment/USA Yeast
Request for Cash and Summary Support Sheet

Enclosed please find the following invoices for the above referenced project:

1. HRG
Invoice number 11003-014-21 in the amount of \$6,735.81
For Architect/Engineering expense
2. HRG
Invoice number 11003-014-20 in the amount of \$2,401.93
For Architect/Engineering expense

Also enclosed is "Request for Cash and Summary Support Sheet No. 23" in the amount of \$9,137.74 for payment of the above invoices.

Please have the above invoice and Request for Cash and the supporting documentation placed on your next agenda for approval. After its approval, the appropriate official should sign the "Request for Cash and Cash Summary Support Sheet No. 23" and return it along with the supporting documentation for processing to our office at the following address:

Debra Tompkins
Jimmy Gouras Urban Planning
P. O. Box 821538
Vicksburg, MS 39182

If you have any questions, please do not hesitate to call me or Debra Tompkins at (601)638-7121.

REMINDER

From the date of deposit into your account you have only three (3) working days to distribute funds to avoid penalties from MDA.

**Mississippi Development Authority
REQUEST FOR CASH**

Section A: General Information			Bank Information		Section B: Project Information		
Applicant Name: City of Hattiesburg			Electronic Transfer	06530027	Grant No.	Contract No.	Request No.
Mailing Address: P.O. Box 1898			Bank Account:	4800186627	R-103-06	R-103-205-03-KED	23
Street Address			Bank Name:	Trustmark National Bank	FOR MDA USE ONLY		
City, State Zip: Hattiesburg, MS 39403-1898			Address:	P.O. Box 1071			
Telephone No.: 601-554-1014			City, State ZIP:	Hattiesburg, MS 39403-1071	Vendor No.		
Fax Number			Telephone No.:	601-469-3663	IDIS Voucher Number		
Email Address			Services Rendered		Approval for Payment		
			From	To			
			July 1, 2014	Thru	August 31, 2014		

Section C: Request Per Activity					
1	Activity Description	Budget Amount	Total Prior Request to Date	This Request	Remaining Balance
	Administration	\$ 90,000.00	\$ 80,000.00		\$ 10,000.00
2	Application Preparation	\$ 10,000.00	\$ 10,000.00		\$ -
3	Architect/Engineering	\$ 351,000.00	\$ 327,341.00	\$ 9,137.74	\$ 14,521.26
4	Evaporator Module Equipment	\$ 4,549,000.00	\$ 4,094,712.00		\$ 454,288.00
5					\$ -
6					\$ -
7					\$ -
8					\$ -
9					\$ -
10					\$ -
11					\$ -
Total:		\$ 5,000,000.00	\$ 4,512,053.00	\$ 9,137.74	\$ 478,809.26

I Hereby Certify That (a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; (b) the amount requested will be expended for allowable costs / expenditures under the terms of the contract agreement or grant; (c) the amount requested herein does not exceed the total funds obligated by contract; and (d) the funds are requested for only immediate disbursements.

I Hereby Certify That the goods sold and/or services rendered have been delivered and/or performed in good order within the time listed above and are in compliance with all statutory requirements and regulations. I certify that this request does not include any advances or funds for future obligations.

_____ Signature of Authorized Official	_____ Date Signed	Debra Tompkins Prepared By	10/20/2014 Date Prepared
Johnny DuPree, Mayor Typed Name and Title of Authorized Official		601-638-7121 Preparer's Telephone No.	

**Mississippi Development Authority
Cash Summary Support Sheet**

Page 1 of 2

Applicant <u>City of Hattiesburg</u>	Request No: <u>23</u>	Grant Number: <u>R-103-06</u>	
Period Cost - Beginning <u>July 1, 2014</u>	Ending Date: <u>August 31, 2014</u>	Contract Number: <u>R-103-205-03-KED</u>	

1. Activity: <u>Administration</u>				(a)	(b)	
Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share	Federal Share	
A. <u>Administration</u>					\$0.00	
B. <u></u>					\$0.00	
C. <u></u>						
D. <u></u>						
Subtotal:			\$0.00	\$	-	\$0.00

2. Activity: <u>Architect/Engineering</u>				(a)	(b)	
Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share	Federal Share	
A. <u>Architect/Engineering</u>	<u>HRG</u>	<u>11003-01-21</u>	<u>\$6,735.81</u>		\$6,735.81	
B. <u>Architect/Engineering</u>	<u>HRG</u>	<u>11003-01-20</u>	<u>\$2,401.93</u>		\$2,401.93	
C. <u>Architect/Engineering</u>					\$0.00	
D. <u></u>						
Subtotal:			\$ 9,137.74	\$	-	\$ 9,137.74

3. Activity: <u>Evaporator Module Equipment</u>				(a)	(b)	
Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share	Federal Share	
A. <u>Evaporator Module Equipment</u>					\$0.00	
B. <u>Evaporator Module Equipment</u>						
C. <u>Evaporator Module Equipment</u>						
D. <u>Evaporator Module Equipment</u>						
Subtotal:			\$ -	\$	-	\$ -

Cash Summary Support Sheet

Page 2 of 2

Applicant City of HattiesburgRequest No: 23

Grant Number:

R-103-06

Contract Number:

R-103-205-03-KED

4. Activity: _____				(a)	(b)	
Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share	Federal Share	
A.	_____	_____	_____	_____	_____	\$0.00
B.	_____	_____	_____	_____	_____	_____
C.	_____	_____	_____	_____	_____	_____
D.	_____	_____	_____	_____	_____	_____
Subtotal:			<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>

5. Activity: _____				(a)	(b)	
Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share	Federal Share	
A.	_____	_____	_____	_____	_____	\$0.00
B.	_____	_____	_____	_____	_____	\$0.00
C.	_____	_____	_____	_____	_____	_____
D.	_____	_____	_____	_____	_____	_____
Subtotal:			<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>

6. Activity: _____				(a)	(b)	
Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share	Federal Share	
A.	_____	_____	_____	_____	_____	\$0.00
B.	_____	_____	_____	_____	_____	_____
C.	_____	_____	_____	_____	_____	_____
D.	_____	_____	_____	_____	_____	_____
Subtotal:			<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>

Cumulative Match Expended To Date:	<u>\$2,238,948.00</u>	GRAND TOTAL:	<u>\$9,137.74</u>	\$	-	\$	<u>9,137.74</u>
Cumulative Federal Expended To Date:	<u>\$4,521,190.74</u>						

I hereby Certify That: a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; b) the amount requested will be expended for allowable costs/expenditures under the terms of the contract agreement or grant; c) the amount requested herein does not exceed the total funds obligated by contract; and d) the funds are requested for only immediate disbursements.

I Hereby Certify that the goods sold and/or services rendered have been delivered and/or performed in good order and are in compliance with all statutory requirements and regulations.

Johnny DuPree, Mayor

Typed Name and Title of Authorized Official

Signature of Authorized Official

Mississippi Development Authority Consolidated Support Sheet

Applicant:	City of Hattiesburg	Contract Number:	R-103-205-03-KED
Request for Cash Number:	23	Total Amount Requested:	\$ 9,137.74

Line Items	Amount Budgeted	Amount Requested to Date	Amount of This Request	Balance
Administration	\$ 90,000.00	\$ 80,000.00	\$ -	\$ 10,000.00
Engineering				\$ -
Specific Line Items as Listed in the Budget:				
Application Preparation	\$ 10,000.00	\$ 10,000.00		\$ -
Architect/Engineering	\$ 351,000.00	\$ 327,341.00	\$ 9,137.74	\$ 14,521.26
Evaporator module Equipment	\$ 4,549,000.00	\$ 4,094,712.00	\$ -	\$ 454,288.00
		\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -
			\$ -	\$ -
				\$ -
				\$ -
				\$ -
				\$ -
Total Budget	\$ 5,000,000.00	\$ 4,512,053.00	\$ 9,137.74	\$ 478,809.26

Total Funds Request to Date:				\$	4,521,190.74
Amount of Other Funds Expended to Date:					\$2,238,948.00
CDBG Project Balance				\$	478,809.26
Period of Projected Cash Needs - Beginning:	July 1, 2014	Thru	August 31, 2014		

TODAY'S DATE	10/20/2014	TOTAL CONTRACT BUDGET	\$ 5,000,000.00	
CONTRACT BEGIN DATE	2/17/2012	TOTAL AMOUNT SPENT TO DATE	\$ 4,521,190.74	
(FROM CONTRACT)		% TOTAL CONTRACT BUDGET SPENT	90.42%	
CONTRACT END DATE	6/30/2015	% CONTRACT BUDGET REMAINING	9.58%	
(FROM CONTRACT)		CONSTRUCTION BUDGET AMOUNT	\$ 4,549,000.00	Enter number from Cash Request
CONTRACT EXTENSION (MONTHS)		TOTAL CONSTRUCTION DOLLARS SPENT TO	\$ 4,094,712.00	Enter number from Cash Request
(ENTER # OF MONTHS OR 0)		% CONSTRUCTION BUDGET SPENT	90.01%	
FINAL CONTRACT COMPLETION DATE	6/30/2015			
CONTRACT DURATION (MONTHS)	40.00			
% OF CONTRACT PERIOD ELAPSED	80.22%			
% OF CONTRACT PERIOD REMAINING	19.78%			



Page 1 of 2

September 17, 2014
Project No: HR.11003.001
Invoice No: 011003-01-21

City of Hattiesburg
Attn: Lamar Rutland
PO Box 1898
Hattiesburg, MS 39403-1898

OR 165262

Project HR.11003.001 USA Yeast Pretreatment Facility

Professional Services from August 1, 2014 to August 31, 2014

Fee

Total Fee \$350,000.00
Percent Complete 96.14

Total Earned \$336,478.74
Previous Fee Billing \$329,742.93
Current Fee Billing \$6,735.81

Total Fee \$6,735.81

Total this Task Order \$6,735.81

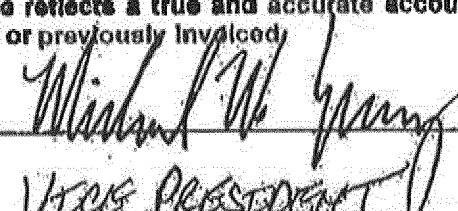
The following items of work were completed:

1. Coordination with City, MDA & Contractor
2. Site Inspection

075695.7220.51
2012-1/118-119

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: VICE PRESIDENT

Federal Tax ID 45-2475883

(Please remit payment to: P. O. Box 22626, Jackson, MS 39225-2625)



Page 2 of 2

September 17, 2014

Project No: HR.11003.001

Invoice No: 011003-01-21

City of Hattiesburg
 Attn: Lamar Rutland
 PO Box 1898
 Hattiesburg, MS 39403-1898

Project HR.11003.001 USA Yeast Pretreatment Facility

Professional Services from August 1, 2014 to August 31, 2014Labor for Neal-Schaffer, Inc.

Nathan Husman - Project Engineer	8.0 hours @ \$163.56	\$981.38
Charles Pittman - Project Engineer	33.0 hours @ \$149.35	\$4,928.55
Michelle Gill - Engineer Intern II	10.0 hours @ \$82.59	\$825.90
Total N-S labor		\$6,735.81

Total this Invoice	\$6,735.81
---------------------------	-------------------

Billing Limits	Current	Prior	To-Date
Total Billings	\$6,735.81	\$329,742.93	\$336,478.74
Contract Amount			\$350,000.00
Fee Remaining			\$13,521.26

Federal Tax ID 45-2475863

(Please remit payment to: P. O. Box 22625, Jackson, MS 39225-2625)



September 3, 2014

Project No: HR.11003.001

Invoice No: 011003-01-20

City of Hattiesburg
Attn: Lamar Rutland
PO Box 1898
Hattiesburg, MS 39403-1898

OR 165259

Project HR.11003.001 USA Yeast Pretreatment Facility

Professional Services from July 1, 2014 to July 31, 2014

Fee

Total Fee	\$350,000.00	Total Earned	\$329,742.93
Percent Complete	94.21	Previous Fee Billing	\$327,341.00
		Current Fee Billing	\$2,401.93

Total Fee \$2,401.93

Total this Task Order \$2,401.93

The following items of work were completed:

1. Coordination with City, MDA & Contractor
2. Site Inspection

075695.7220.51
MB 2012-1/118-49

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. GrayTitle: VICE PRESIDENT

Federal Tax ID 45-2475863

(Please remit payment to: P. O. Box 22625, Jackson, MS 39225-2625)



September 10, 2014
 Project No: HR.11003.001
 Invoice No: 011003-01-20

City of Hattiesburg
 Attn: Lamar Rutland
 PO Box 1898
 Hattiesburg, MS 39403-1898

Project HR.11003.001 USA Yeast Pretreatment Facility

Professional Services from July 1, 2014 to July 31, 2014

Labor for Neal-Schaffer, Inc.

Jennifer Nobles - Admin Svc Manager	1.0 hours @ \$66.70	\$66.70
Charles Pittman - Project Engineer	9.0 hours @ \$149.35	\$1,344.15
Michelle Gill - Engineer Intern II	12.0 hours @ \$82.59	\$991.08
Total N-S labor		\$2,401.93

Total this Invoice \$2,401.93

Billing Limits	Current	Prior	To-Date
Total Billings	\$2,401.93	\$327,341.00	\$329,742.93
Contract Amount			\$350,000.00
Fee Remaining			\$20,257.07

Federal Tax ID 45-2475863

(Please remit payment to: P. O. Box 22625, Jackson, MS 39225-2625)

(MAYOR-COUNCIL)
PO BOX 1898
HATTIESBURG, MS 39403

USA

Stub 1 of 1
Check Date:

09/30/14

NO. 00240615

INVOICE NO.	DATE	PURCHASE ORDER	FUND	CLAIM NO.	AMOUNT PAID
011003-01-20	09/03/14	00146105	00075	13000085	2,401.93
011003-01-21	09/17/14	00146108	00075	13000086	6,735.81
					9,137.74

91150 HRG (HATTIESBURG RESOURCE

THIS CHECK IS VOID WITHOUT A PURPLE & BLUE BORDER AND BACKGROUND PLUS A KNIGHT & FINGERPRINT WATERMARK ON THE BACK - HOLD AT ANGLE TO VIEW

STATE OF MISSISSIPPI, CITY OF HATTIESBURG

(MAYOR-COUNCIL)
PO BOX 1898
HATTIESBURG, MS 39403



85-127/842

BANCORPSOUTH
HATTIESBURG, MISSISSIPPI

NO. 00240615

91150 DATE 09/30/14 AMOUNT \$*****9,137.74

PAY NINE THOUSAND ONE HUNDRED THIRTY SEVEN AND 74/100 *****

TO HRG
THE PO BOX 22625
ORDER JACKSON MS 39225-2625
OF

Johnny L. DeBree
MAYOR
Sharon Waite

⑈00240615⑈ ⑆084201278⑆72106610⑈

USA *Yeast* 9,137.74

Account Number	Amount	Paid Date	Bank Reference	Cust. Reference
72106610	9,137.74	10/10/2014	602611070	240615

Page 1 of 1

The Front Image:

[Print](#)

THIS CHECK IS VOID WITHOUT A PURPLE & BLUE MONDRIAN AND BACKGROUND PLUS A MICRIT & FINGERPRINT WATERMARK ON THE BACK. VOID IF ANYONE TO VIEW

STATE OF MISSISSIPPI, CITY OF HATTIESBURG (MAYOR-COUNCIL) PO BOX 1868 HATTIESBURG, MS 38403		NO. 00240615
	91150	DATE 09/30/14 AMOUNT \$*****9,137.74
PAY NINE THOUSAND ONE HUNDRED THIRTY SEVEN AND 74/100 *****		
TO THE ORDER OF ERG PO BOX 22625 JACKSON MS 39225-2625	<i>Johnny L. Deane</i> <i>Shawn White</i>	

⑈00240615⑈ ⑆084201278⑆72106610⑈

Page 1 of 1

The Back Image:

[Print](#)

20141010200111871778 09 1109
Regions Bank >062000019<

20141010200111871778 09 1109
Regions Bank >062000019<

PAY TO THE ORDER OF
REGIONS BANK
DEPOSIT
FOR DEPOSIT ONLY
HATTIESBURG REGIONAL
CREDIT UNION
MEMBER

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 - 09/22/14

POINT OF CONTACT:

PQ No. - 146105

Req No. - 165259

VENDOR MAILING:
HRG
PO BOX 22625
JACKSON MS 39225-2625

POLK, GENE (601) 5454640
MINUTE BOOK # 2012-1/118-119
VENDOR # 00091150

SHIP TO :
CITY OF HATTIESBURG
ENGINEERING/PUBLIC SERVICES
212 WEST FRONT STREET-CENTENNIAL BLDG
HATTIESBURG MS 39401

PROJECT LINE: USA YEAST PRETREATMENT FACILITY

PROCESSING CODE: RIP

SEND METHOD 0 ()

Account #

075695.7220.51

9/3/14

Description

QTY

UM

UNIT COST

TOTAL COST

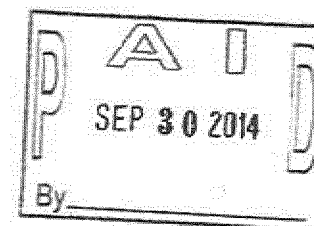
PROF SRVCS
PROJECT: USA YEAST PRETREATMENT FACILITY
PERIOD: 7/1/14 - 7/31/14
INVOICE: 011003-01-20

1.00

EA

2,401.9300

2,401.93



TOTAL CONTRACT AMOUNT NOT TO EXCEED

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.

gkx 2,401.93

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 - 09/22/14

PO No. - 146108
Req No. - 165262

VENDOR MAILING:
HRG
PO BOX 22625
JACKSON MS 39225-2625

POLK, GENE (601) 5454640
MINUTE BOOK # 2012-1/118-119

VENDOR # 00091150

SHIP TO :
CITY OF HATTIESBURG
ENGINEERING/PUBLIC SERVICES
212 WEST FRONT STREET-CENTENNIAL BLDG
HATTIESBURG MS 39401

PROJECT LINE: USA YEAST PRETREATMENT FACILITY

Account #

075695.7220.51

Description

9/17/14
PROF SRVCS
PROJECT: USA YEAST PRETREATMENT FACILITY
PERIOD: 8/1/14 - 8/31/14
INVOICE: 011003-01-21

QTY

1.00

PROCESSING CODE: RIP

SEND METHOD 0

UM

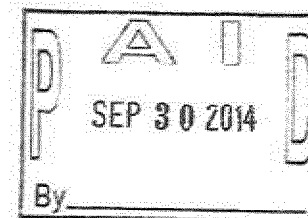
UNIT COST

TOTAL COST

EA

6,735.8100

6,735.81



TOTAL CONTRACT AMOUNT NOT TO EXCEED

6,735.81

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.

Section A: General Information				Bank Information		Section B: Project Information	
Applicant Name:	City of Hattiesburg			Electronic Transfer	065300Z7	Grant No.	Contract No.
Mailing Address	P.O. Box 1898			Bank Account	4800186627	R-103-06	R-103-205-03-KED
Street Address				Bank Name:	Trustmark National Bank	FOR MDA USE ONLY	
City, State Zip	Hattiesburg, MS 39403-1898			Address	P.O. Box 1071		
Telephone No.	601-554-1014			City, State ZIP	Hattiesburg, MS 39403-1071		Vendor No.
Fax Number				Telephone No.	601-469-3663		
Email Address				Services Rendered			IDIS Voucher Number
				From July 1, 2014	To August 31, 2014		
Section C: Request Per Activity							
	Activity Description	Budget Amount	Total Prior Request to Date	This Request	Remaining Balance		
1	Administration	\$ 90,000.00	\$ 80,000.00		\$ 10,000.00		
2	Application Preparation	\$ 10,000.00	\$ 10,000.00		-		
3	Architect/Engineering	\$ 351,000.00	\$ 327,341.00	\$ 9,137.74	\$ 14,521.26		
4	Evaporator Module Equipment	\$ 4,549,000.00	\$ 4,094,712.00		\$ 454,288.00		
5					\$ -		
6					\$ -		
7					\$ -		
8					\$ -		
9					\$ -		
10					\$ -		
11					\$ -		
Total:		\$ 5,000,000.00	\$ 4,512,053.00	\$ 9,137.74	\$ 478,809.26		
I Herby Certify That (a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; (b) the amount requested will be expended for allowable costs / expenditures under the terms of the contract agreement or grant; (c) the amount requested herein does not exceed the total funds obligated by contract; and (d) the funds are requested for only immediate disbursements. I Herby Certify That the goods sold and/or services rendered have been delivered and/or performed in good order within the time listed above and are in compliance with all statutory requirements and regulations. I certify that this request does not include any advances or funds for future obligations. Signature of Authorized Official Typed Name and Title of Authorized Official Jeffery DuPree, Mayor Prepared By Debra Tompkins Date Signed 11-4-14 Date Prepared 10/20/2014							

Mississippi Development Authority
Cash Summary Support Sheet

Page 1 of 2

Applicant <u>City of Hattiesburg</u>	Request No: <u>23</u>	Grant Number: <u>R-103-06</u>	
Period Cost - Beginning <u>July 1, 2014</u>	Ending Date: <u>August 31, 2014</u>	Contract Number: <u>R-103-205-03-KED</u>	

1. Activity: Administration		(a)	(b)	
Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share
A. Administration				Federal Share \$0.00
B.				\$0.00
C.				
D.				
Subtotal:			\$0.00	\$0.00

2. Activity: Architect/Engineering		(a)	(b)	
Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share
A. Architect/Engineering	HRG	11003-01-21	\$6,735.81	Federal Share \$6,735.81
B. Architect/Engineering	HRG	11003-01-20	\$2,401.93	\$2,401.93
C. Architect/Engineering				\$0.00
D.				
Subtotal:			\$9,137.74	\$9,137.74

3. Activity: Evaporator Module Equipment		(a)	(b)	
Line Item	Vendor Name	Invoice #	Invoice Amount	Match Share
A. Evaporator Module Equipment				Federal Share \$0.00
B. Evaporator Module Equipment				
C. Evaporator Module Equipment				
D. Evaporator Module Equipment				
Subtotal:			\$	\$

Cash Summary Support Sheet

Page 2 of 2

Applicant: City of Hattiesburg

Request No: 23

Grant Number: R-103-06

Contract Number: R-103-205-03-KED

4. Activity:

Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.					\$0.00
B.					
C.					
D.					
Subtotal:			\$0.00	\$0.00	\$0.00

5. Activity:

Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.					\$0.00
B.					\$0.00
C.					
D.					
Subtotal:			\$0.00	\$0.00	\$0.00

6. Activity:

Line Item	Vendor Name	Invoice #	(a) Invoice Amount	(b) Match Share	Federal Share
A.					\$0.00
B.					
C.					
D.					
Subtotal:			\$0.00	\$0.00	\$0.00

Cumulative Match Expended To Date: \$2,238,948.00

GRAND TOTAL: \$9,137.74

\$ -

\$ 9,137.74

Cumulative Federal Expended To Date: \$4,521,190.74

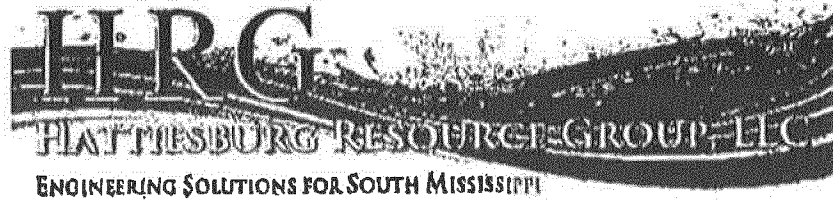
I hereby Certify That: a) the services covered by this request have not been received from the Federal Government or expended for such services under any other contract agreement or grant; b) the amount requested will be expended for allowable costs/expenses under the terms of the contract agreement or grant; c) the amount requested herein does not exceed the total funds obligated by contract; and d) the funds are requested for only immediate disbursements.

I hereby Certify that the goods sold and/or services rendered have been delivered and/or performed in good order and are in compliance with all statutory requirements and regulations.

Johnny DuPre, Mayor

Typed Name and Title of Authorized Official

Signature of Authorized Official



Page 1 of 2

September 17, 2014
Project No: HR.11003.001
Invoice No: 011003-01-21

City of Hattiesburg
Attn: Lamar Rutland
PO Box 1898
Hattiesburg, MS 39403-1898

OR 165262

Project HR.11003.001 USA Yeast Pretreatment Facility

Professional Services from August 1, 2014 to August 31, 2014

Fee

Total Fee \$350,000.00
Percent Complete 86.14

Total Earned \$336,478.74
Previous Fee Billing \$329,742.93
Current Fee Billing \$6,735.81

Total Fee \$6,735.81

Total this Task Order \$6,735.81

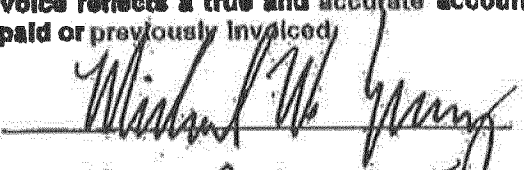
The following items of work were completed:

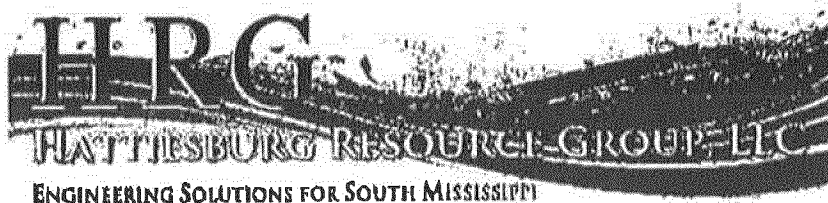
1. Coordination with City, MDA & Contractor
2. Site Inspection

075695.7220.51
2012-1/118-119

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: VICE PRESIDENT



Page 2 of 2

September 17, 2014

Project No: HR.11003.001

Invoice No: 011003-01-21

City of Hattiesburg
 Attn: Lamar Rutland
 PO Box 1898
 Hattiesburg, MS 39403-1898

Project HR.11003.001 USA Yeast Pretreatment Facility

Professional Services from August 1, 2014 to August 31, 2014Labor for Neel-Schaffer, Inc.

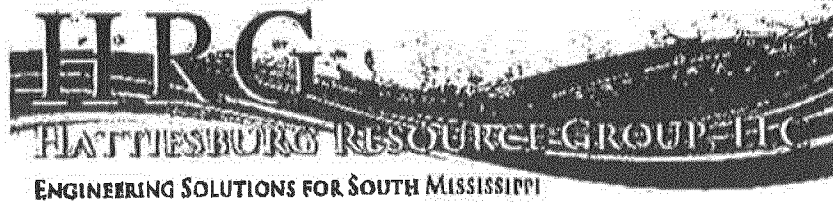
Nathan Husman - Project Engineer	8.0 hours @ \$163.58	\$981.36
Charles Pittman - Project Engineer	33.0 hours @ \$149.35	\$4,928.55
Michelle Gill - Engineer Intern II	10.0 hours @ \$82.59	\$825.90
Total N-S labor		\$6,735.81

Total this Invoice \$6,735.81

Billing Limits	Current	Prior	To-Date
Total Billings	\$6,735.81	\$329,742.93	\$336,478.74
Contract Amount			\$350,000.00
Fee Remaining			\$13,521.26

Federal Tax ID 45-2475863

(Please remit payment to: P. O. Box 22625, Jackson, MS 39225-2625)



Page 1 of 2

September 3, 2014

Project No: HR.11003.001

Invoice No: 011003-01-20

City of Hattiesburg
Attn: Lamar Rutland
PO Box 1898
Hattiesburg, MS 39403-1898

OR 165259

Project HR.11003.001 USA Yeast Pretreatment Facility

Professional Services from July 1, 2014 to July 31, 2014**Fee**

Total Fee	\$350,000.00	Total Earned	\$329,742.93
Percent Complete	94.21	Previous Fee Billing	\$327,341.00
		Current Fee Billing	\$2,401.93

Total Fee \$2,401.93**Total this Task Order \$2,401.93**The following items of work were completed:

1. Coordination with City, MDA & Contractor
2. Site Inspection

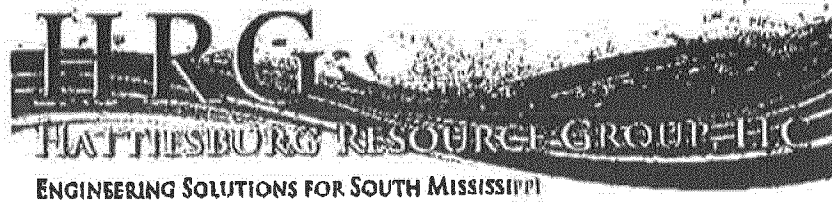
075695.7220.51
MB 2012-1/118-119**Certification**

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. LangTitle: VICE PRESIDENT

Federal Tax ID 45-2475863

(Please remit payment to: P. O. Box 22625, Jackson, MS 39225-2625)



September 10, 2014
 Project No: HR.11003.001
 Invoice No: 011003-01-20

City of Hattiesburg
 Attn: Lamar Rutland
 PO Box 1898
 Hattiesburg, MS 39403-1898

Project HR.11003.001 USA Yeast Pretreatment Facility

Professional Services from July 1, 2014 to July 31, 2014

Labor for Neal-Schaffer, Inc.

Jennifer Nobles - Admin Svc Manager	1.0 hours @ \$86.70	\$86.70
Charles Pittman - Project Engineer	9.0 hours @ \$149.35	\$1,344.15
Michelle Gill - Engineer Intern II	12.0 hours @ \$82.59	\$991.08
Total N-S labor		\$2,401.93

Total this Invoice \$2,401.93

Billing Limits	Current	Prior	To-Date
Total Billings	\$2,401.93	\$327,341.00	\$329,742.93
Contract Amount			\$350,000.00
Fee Remaining			\$20,257.07

Federal Tax ID 45-2475863

(Please remit payment to: P. O. Box 22625, Jackson, MS 39225-2625)

(MAYOR-COUNCIL)
PO BOX 1898
HATTIESBURG, MS 39403

USA

Year
Stub 1 of 1
Check Date:

09/30/14

NO. 00240615

INVOICE NO.	DATE	PURCHASE ORDER	FUND	CLAIM NO.	AMOUNT PAID
011003-01-20	09/03/14	00146105	00075	13000085	2,401.93
011003-01-21	09/17/14	00146108	00075	13000086	6,735.81
					9,137.74

91150 HRG (HATTIESBURG RESOURCE

THIS CHECK IS VOID WITHOUT A PURPLE & BLUE BORDER AND BACKGROUND PLUS A KNIGHT & FINGERPRINT WATERMARK ON THE BACK - HOLD AT ANGLE TO VIEW

STATE OF MISSISSIPPI, CITY OF HATTIESBURG

(MAYOR-COUNCIL)

PO BOX 1898

HATTIESBURG, MS 39403



85-127842

BANCORPSOUTH
HATTIESBURG, MISSISSIPPI

NO. 00240615

91150 DATE AMOUNT
09/30/14 \$*****9,137.74

PAY NINE THOUSAND ONE HUNDRED THIRTY SEVEN AND 74/100 *****

TO HRG
THE PO BOX 22625
ORDER JACKSON MS 39225-2625
OF

Johnny L. DeFoe
MAYOR
Sharon Waits

⑈00240615⑈ ⑆084201278⑆72106610⑈

USA Year 9,137.74

Account Number	Amount	Paid Date	Bank Reference	Cust. Reference
72106610	9,137.74	10/10/2014	602611070	240615

Page 1 of 1

The Front Image:

Print

THIS DOCUMENT IS VOID WITHOUT A PURPLE & SILVER MONOPRINT BACKGROUND FROM A SECURITY & FINGERPRINT MATCHING FOR ONE YEAR FROM THE DATE OF THE MATCH. IF YOU DO NOT HAVE A PURPLE & SILVER MONOPRINT BACKGROUND FROM A SECURITY & FINGERPRINT MATCHING FOR ONE YEAR FROM THE DATE OF THE MATCH, IT IS VOID.

STATE OF MISSISSIPPI, CITY OF HATTIESBURG
(MAYOR/COUNCIL)
PO BOX 1998
HATTIESBURG, MS 38403



05-10-1993
MISSISSIPPI DEPT. OF
HATTIESBURG, MISSISSIPPI

NO. 00240615

\$1150 09/30/14 \$*****9,137.74

PAY NINE THOUSAND ONE HUNDRED THIRTY SEVEN AND 74/100 *****

TO ERG
TUE PO BOX 22625
ORDER JACKSON MS 39225-2625

OF
..

Johnny L. DeLoe
Shawn Warts

1000240615101 106420127807721086101

Page 1 of 1

The Back Image:

Print

20141010200111671778 09 1109
Regions Bank >062000019<
20141010200111671778 09 1109
Regions Bank >062000019<

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
Date

PO No.

Req No.

VENDOR MAILING:

HRG
PO BOX 22625
JACKSON MS 39225-2625

POLK, GENE
MINUTE BOOK # 2012-1/118-119

VENDOR # 00091150

SHIP TO :
CITY OF HATTIESBURG
ENGINEERING/PUBLIC SERVICES
212 WEST FRONT STREET-CENTENNIAL BLDG
HATTIESBURG MS 39401

PROJECT LINE: USA YEAST PRETREATMENT FACILITY

Account #

075695.7220.51

Description

9/21/14

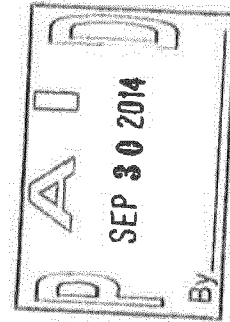
PROF SVCS
PROJECT: USA YEAST PRETREATMENT FACILITY
PERIOD: 7/1/14 - 7/31/14
INVOICE: 011003-01-20

PROCESSING CODE: RIP

SEND METHOD 0 ()

UM UNIT COST TOTAL COST

EA 2,401.9300 1.00 2,401.93



TOTAL CONTRACT AMOUNT NOT TO EXCEED

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.

2,401.93

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:

POLK, GENE
 MINUTE BOOK # 2012-1/118-119
 VENDOR # 00091150

(601) 5454640

SHIP TO :
 CITY OF HATTIESBURG
 ENGINEERING/PUBLIC SERVICES
 212 WEST FRONT STREET-CENTENNIAL BLDG
 HATTIESBURG MS 39401

Page 1
 Date 09/22/14

PO No. 146108

Req No. 165262

VENDOR MAILING:
 HRG
 PO BOX 22625
 JACKSON MS 39225-2625

PROJECT LINE: USA YEAST PRETREATMENT FACILITY

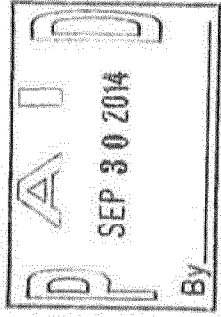
Account #	Description	QTY	UM	UNIT COST	TOTAL COST
075695.7220.51	PROF SRVCS PROJECT: USA YEAST PRETREATMENT FACILITY PERIOD: 8/1/14 - 8/31/14 INVOICE: 011003-01-21	1.00	EA	6,735.8100	6,735.81

PROCESSING CODE: RIP

SEND METHOD 0

TOTAL CONTRACT AMOUNT NOT TO EXCEED

SUBMIT SEPARATE INVOICES FOR EACH ORDER. PREPAY SHIPPING CHARGES IF ANY AND ADD TO INVOICE.



6,735.81

FOR CORRECTIONS TO VENDOR ADDRESS ABOVE, CONTACT ACCOUNTING (601) 545-4686.



City of Hattiesburg, MS

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

Master

File Number: 2014-1480

File ID: 2014-1480

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/28/2014

Brief Title: 2014-2015 Hattiesburg Youth Soccer Contract

Final Action: 11/04/2014

Minute Book Number:

Title:

Authorize Mayor to execute duplicate original agreement between City of Hattiesburg Parks and Recreation Department and Hattiesburg Youth Soccer Association to operate and promote soccer programs for Hattiesburg residents. This program will operate October 1, 2014, through September 30, 2015. (Nunc Pro Tunc)

Notes:

Sponsors:

Enactment Date:

Attachments: Soccer 2014-2015 contract, Contract Attachments, executed Soccer 2014-2015 contract

Enactment Number:

Contact:

Meeting Date: 11/04/2014

Drafter: Ann Jones

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014	Authorize				Pass
Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Naylor to Authorize Mayor to execute duplicate original agreement between City of Hattiesburg Parks and Recreation Department and Hattiesburg Youth Soccer Association to operate and promote soccer programs for Hattiesburg residents. This program will operate October 1, 2014, through September 30, 2015. (Nunc Pro Tunc)							
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 2014-1480

Title

Authorize Mayor to execute duplicate original agreement between City of Hattiesburg Parks and Recreation Department and Hattiesburg Youth Soccer Association to operate and promote soccer programs for Hattiesburg residents. This program will operate October 1, 2014, through September 30, 2015. (Nunc Pro Tunc)

Summary

Agreement

Budget Information

002315.6049

Expenditure Type

Regular Budget Item

Purchasing Item

Publication Information

STATE OF MISSISSIPPI

COUNTY OF FORREST

AGREEMENT

THIS AGREEMENT is entered into by and between, the **Hattiesburg Youth Soccer Association**, A Mississippi non-profit corporation, hereinafter referred to as "**HYSA**" and the **City of Hattiesburg, Mississippi**, a municipal corporation, hereinafter referred to as "**City**", for the purpose of evidencing their agreement of understanding concerning the development and promotion of **Soccer Programs** for Hattiesburg area residents, and as such HYSA and the City do hereby agree and obligate themselves as follow, to-wit:

I.

HYSA has a long standing relationship with the City and will continue to develop and promote **Soccer Programs** at all levels of play for Hattiesburg area residents for a period of one (1) year beginning on the 1st day of October 2014, and terminating on the 30th day of September 2015. HYSA shall have the right and responsibility to operate all aspects of the youth soccer program including, but not limited to, organization of league, games, practices, obtaining coaches, obtaining officials, collection of fees, setting schedules, limiting rosters, soccer equipment, concessions, clinics, camps, tournaments and other related activities, duties and responsibilities.

HYSA shall provide to the City a written schedule before the start of its league play, games, practices, tournament, clinics, camps, and other related activities. The schedule(s) shall be inclusive of all scheduled dates and fields to be used and shall be provided to the City no later than one (1) week prior to start of the event. All other tournaments, (sub-district, district, state, national, etc.) for which HYSA may bid to host shall be coordinated with the City

before bidding, as City facilities and maintenance for the particular post-season tournament will be required. Program playing field specifications shall be provided to the City no less than two (2) weeks prior to the start of the program.

II

City shall be responsible for maintaining Tatum Park Soccer Complex as described in Attachment I for providing seating and electricity. In addition, City shall be responsible for maintaining all aspects of the Tatum Park Soccer Complex in good condition and fields to game ready specifications, including but not limited to the following on an as needed basis: mow and maintain the grass in a healthy state through the use of water, sprinkler system, fertilization, overseeding with rye, spraying for weeds, insect spraying, sanding to fill low areas, maintain proper grade of fields and maintaining good drainage for fields, lining fields for play, cleaning restrooms and facility areas including trash/garbage pickup, parking lots, roads, adequate lights, light poles, security, utilities, physical structures and related needs.

The City shall provide **Ten Thousand, Dollars (\$10,000.00)** to be applied to the payment of referees, coaches, tournament expenses, equipment (may include items such as soccer balls, nets, goals, flags, etc), and to scholarship children who are residents of the city and who can't afford to pay full fee. The appropriate expenditure reports (Attachment III) shall be completed and filed with the City by October 31, 2014. HYSA shall have first priority use of and access to all Tatum Park soccer fields and related facilities for practices, games, clinics, camps, tournaments, and related activities, except that City does reserve the right to use said facilities for other functions if HYSA does not give the City at least thirty(30) days advance notice of its intended use of Tatum Park, and the City shall coordinate the scheduling of its functions with HYSA so as to prevent the scheduling of functions that are detrimental to HYSA's overall soccer program. See Attachment IIa for Policy on General Public Use of Facilities.

III.

HYSA does hereby obligate itself to comply with the policies of the City: That all soccer programs shall be open to all citizens of the Hattiesburg area regardless of his/her ability to pay full fees charged for participation in said programs; and that the City's nondiscrimination policy(Attachment IIb) shall be observed. See Attachment II for all pertinent City policies.

IV.

It is understood by and between parties that this Agreement may be terminated by either party for any reason upon ninety (90) days written notice of their intention to terminate this Agreement.

V.

HYSA does hereby agree that it will hold harmless and indemnify the City from any and all liability and damages of any kind whatsoever resulting from the negligent or intentional tortious operation of the soccer program. The Liability Policy of the City is attached as Attachment IIc.

HYSA does hereby agree to appropriately acknowledge City's contribution to the Soccer Program in a public manner, through the use of such media that is appropriate. HYSA does hereby obligate itself to comply with National Standards for Youth Sports and Coach Review Policy(Attachments IId and IIe, respectively) adopted by the City Council.

VI.

HYSA does hereby obligate itself to comply with the Sports Participation Policy, which is attached as Attachment IIIf.

VII.

WITNESS the signatures of HYSA and the City to duplicate originals of this Agreement on this, the ____ day of _____, A.D., _____.

HATTIESBURG YOUTH SOCCER ASSOCIATION

BY: _____
David Johns, President

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____
Mayor

ATTEST:

City Clerk

(SEAL)

CITY OF HATTIESBURG

MAINTENANCE POLICY

Includes:

1. Mow on regular basis
2. Clean restrooms and facility area
3. Wash bleachers, as needed
4. Line fields
5. Fill low/soft sports

The City of Hattiesburg reserves the right to increase or decrease the amount and/or type of maintenance.

NOTE: Fields and restrooms must be left in a presentable condition (litter control) after use of fields by contracted organizations. Special attention should be noticed when City Maintenance Department is not working the day after scheduled games.

Maintenance Agreement for all tournaments will be negotiated.

The decision to call games is a joint decision, however, the City reserves the right to call any game(s) for safety reasons or to prevent damage to the field(s).

The Administration section of the Recreation Department manages the contracts.

CITY OF HATTIESBURG

CITY POLICIES

- a. General Public Use of Facility Policy
- b. Nondiscrimination Policy
- c. Liability Policy
- d. National Standards for Youth Sports Policy
- e. Coach Certification Review Policy
- f. Sports Participation Policy

CITY OF HATTIESBURG

GENERAL PUBLIC USE OF FACILITY POLICY

Facilities under lease, owned by the City of Hattiesburg, were funded by the citizens of Hattiesburg. The City does reserve the right to make its facilities for other functions when not in use by organizations leasing City facilities.

CITY OF HATTIESBURG

NONDISCRIMINATION POLICY

The City of Hattiesburg does not discriminate on the basis of Color, Race, Creed, National Origin, Sex, or Religion nor on the basis of disabling conditions in the admission or access to services provided through its programs and activities.

CITY OF HATTIESBURG

LIABILITY POLICY

There are inherent risks and recognized hazards associated with participation in sports and recreational activities. By participating in these programs, the participant assumes those risks and liabilities. The City of Hattiesburg assumes no liability nor does it afford medical coverage for injuries caused by participation of individuals, groups, teams, etc. in sports and recreational programs. Organizations shall maintain a minimum of \$500,000.00 general liability insurance and list the City of Hattiesburg as a certificate holder.

CITY OF HATTIESBURG

NATIONAL STANDARDS FOR YOUTH SPORTS POLICY

These standards are endorsed and supported by
26 National Agencies and Organizations

STANDARD #1 – PROPER SPORTS ENVIRONMENT

Parents must consider and carefully choose the proper environment for their child, including the appropriate age and development for participation, the type of sport, the rules in the sport, the age range of the participants, and the proper level of physical and emotional stress.

STANDARD #2 – PROGRAMS BASED ON THE WELL-BEING OF CHILDREN

Parents must select youth sports programs that are developed and organized to enhance the emotional, physical, social, and educational well being of children.

STANDARD #3 – DRUG AND ALCOHOL – FREE ENVIRONMENT

Parents must encourage a drug and alcohol-free environment for their children.

STANDARD #4 – PART OF A CHILD'S LIFE

Parents must recognize that youth sports are only a small part of a child's life.

STANDARD # 5 – TRAINING

Parents must insist that coaches are trained and certified.

STANDARD #6 – PARENTS' ACTIVE ROLE

Parents must make a serious effort to take an active role in the youth sports experience of their child providing a positive support as a spectator, coach, and league administrator and/or caring parent.

STANDARD #7 – POSITIVE ROLE MODELS

Parents must be a positive role model exhibiting sportsmanlike behavior at game, practices, and home, while also giving positive reinforcement to their child and support to their child's coaches.

STANDARD #8 – PARENTAL COMMITMENT

Parents must demonstrate their commitment to their child's youth sports experience by annually signing a parental code of ethics.

STANDARD #9 – SAFE-PLAYING SITUATION

Parents must insist on safe-playing facilities, healthful playing situation, and proper first-aid applications, should the need arise.

STANDARD #10 – EQUAL PLAY OPPORTUNITY

Parents, coaches, and league administrators must provide equal sports play opportunity for all youth regardless of race, creed, sex, or economic status of ability.

STANDARD # 11 - DRUG AND ALCOHOL-FREE ADULTS

Parents must be drug and alcohol-free at youth league sporting events.

AGREEMENT
ATTACHMENT IIe

CITY OF HATTIESBURG

COACH REVIEW POLICY

Whereas, the City of Hattiesburg requires completion of a certification program for youth sport coaches whereby the coaches are schooled in the psychology of coaching youth sports, maximizing performance, injury prevention, first aid, and emphasizes a drug and alcohol-free environment for youth sports and recognizes the great influence youth coaches have on our youth.

CITY OF HATTIESBURG

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This philosophy, as important as it is, must be carried out primarily by volunteers, with support and guidance provided by the Parks and Recreation Division staff, underscoring the importance of recruiting the best volunteers available-people who can apply the City's philosophy for the good of the children involved.

Every sport sponsored by the Parks and Recreation Division is conducted on facilities provided and maintained by the City of Hattiesburg, funded in large part by the citizens of Hattiesburg. This policy necessitates a move toward more participation by every member of recreation league team.

The City feels strongly that the sport programs offered to the children of Hattiesburg should be fun, educational, and developmental; and the only way to teach these values is for the children to participate a substantial amount of time in each competitive event. Every league within the City, without exception, will follow the following guidelines.

In all games, all registered participants shall play in the following sports a minimum of:

Football – 4 minutes of the game (Flag Football)
Basketball – 2 minutes (Elementary School Age)
Soccer – One Full Half (HYSA)

Baseball and Softball – each player must at least play 3 consecutive defensive outs, and bat once in a full game. In games shortened due to the 10-run rule, acts of God, time limit expiration or other reasons will require the time at bat.

Note: A manager or coach is not required to play a player who is ill, injured or is under reasonable disciplinary restrictions or for other justifiable reasons, provided he informs the opposing coach and scorekeeper prior to the beginning of the game.

In order to assist the teams and coaches and to insure maximum participation of all children, the number of members on a team should be limited as follows:

(1)	Football	20 players
(2)	Basketball	10 players
(3)	Soccer	14 players
(4)	Baseball	14 players
(5)	Softball	14 players

The limitation of players on teams may mean the additional of other divisions within leagues and the addition of multiple all-star teams within leagues. This is viewed again, to be an opportunity to bring about additional participation for children within City recreation programs. In all-star competition, the number of children participating on each team may be increased according to the rules of the organization sponsoring the all-star program.

Every league within the City of Hattiesburg must comply with and follow this policy and insure that each coach and league official is familiar with the policy and complies at all times. If a coach fails to play a child the minimum participation limit, the following sanctions will be imposed on said coach, without exception, to-wit:

- (1) The first offense will result in the coach receiving a letter or reprimand from the governing board of the league. The child concerned will play the entire next game.
- (2) The second offense by the same coach will result in the coach being suspended from the league for the next week. The child concerned will play the entire next game.

- (3) The third offense by the same coach will result in expulsion of the coach from any City program in any and all capacities for a minimum of two (2) calendar years. The child concerned will play the entire next game.
- (4) If any coach fails to play any child as required in any league championship game or any play-off game affecting the league championship, then that coach, no matter which offense, will be suspended from the league and unable to participate in any post-season activities. The team that fails to have full participation by all players will forfeit the game.
- (5) If any coach fails to play any child as required herein in any all-star or tournament game, then that coach, no matter which offense, will be expelled from coaching in any City program in any and all capacities for a minimum of two (2) calendar years.

The individual leagues will notify the Hattiesburg Recreation Department whenever it becomes necessary to take any action against a coach for failure to comply with the participation policy.

A copy of this participation policy shall be provided to each child at registration of any sport within the City of Hattiesburg.

The purpose of a sports league is to insure participation for all children within the City of Hattiesburg; the purpose of a participation policy is to insure a sports league for all the children of Hattiesburg.

AGREEMENT
ATTACHMENT III

CITY OF HATTIESBURG

EXPENDITURE WORKSHEETS

- a. Worksheet Instructions
- b. Equipment, supplies, and related purchases worksheet ***NOTE*** All invoices must be attached to the equipment/supplies purchase worksheet as documentation
- c. Daily officials timesheet
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NOTE All daily timesheets must be attached to the year end summary as documentation

CITY OF HATTIESBURG

WORKSHEET INSTRUCTIONS

I. Supplies, Expenses and Related Purchases Worksheet:

Program personnel shall complete worksheet by listing the name of the vendor, date items were purchased, invoice number, total of the invoice and a brief description of items purchased on that invoice. All invoices **MUST** be turned in with worksheets at the end of the program for accounting purposes.

II. Daily Program Time Sheet:

If officials, scorekeepers, or other program personnel are funded through monies provided by the City, a daily accounting of these expenditures must be maintained. The daily timesheet must list the date the individual worked, they're name, address, social security number, number of games or hours they worked, total amount paid for particular day/night, and their signature.

III. Total Hours/Games Recap Sheet:

This sheet is a recap of the daily time sheets. At the completion of the program, the time sheets for each individual should be totaled and entered on the recap sheet. The daily timesheets **MUST** accompany the recap sheets at the end of the program for accounting purposes.

NOTE: Please return all expenditure reports to the City of Hattiesburg, City Clerks Office, 200 Forrest Street, Hattiesburg, MS 39401. If you have questions, please call (601) 545-4667.

STATE OF MISSISSIPPI

COUNTY OF FORREST

AGREEMENT

THIS AGREEMENT is entered into by and between, the **Hattiesburg Youth Soccer Association**, A Mississippi non-profit corporation, hereinafter referred to as "**HYSA**" and the **City of Hattiesburg, Mississippi**, a municipal corporation, hereinafter referred to as "**City**", for the purpose of evidencing their agreement of understanding concerning the development and promotion of **Soccer Programs** for Hattiesburg area residents, and as such HYSA and the City do hereby agree and obligate themselves as follow, to-wit:

I.

HYSA has a long standing relationship with the City and will continue to develop and promote **Soccer Programs** at all levels of play for Hattiesburg area residents for a period of one (1) year beginning on the 1st day of October 2014, and terminating on the 30th day of September 2015. HYSA shall have the right and responsibility to operate all aspects of the youth soccer program including, but not limited to, organization of league, games, practices, obtaining coaches, obtaining officials, collection of fees, setting schedules, limiting rosters, soccer equipment, concessions, clinics, camps, tournaments and other related activities, duties and responsibilities.

HYSA shall provide to the City a written schedule before the start of its league play, games, practices, tournament, clinics, camps, and other related activities. The schedule(s) shall be inclusive of all scheduled dates and fields to be used and shall be provided to the City no later than one (1) week prior to start of the event. All other tournaments, (sub-district, district, state, national, etc.) for which HYSA may bid to host shall be coordinated with the City

before bidding, as City facilities and maintenance for the particular post-season tournament will be required. Program playing field specifications shall be provided to the City no less than two (2) weeks prior to the start of the program.

II

City shall be responsible for maintaining Tatum Park Soccer Complex as described in Attachment I for providing seating and electricity. In addition, City shall be responsible for maintaining all aspects of the Tatum Park Soccer Complex in good condition and fields to game ready specifications, including but not limited to the following on an as needed basis: mow and maintain the grass in a healthy state through the use of water, sprinkler system, fertilization, overseeding with rye, spraying for weeds, insect spraying, sanding to fill low areas, maintain proper grade of fields and maintaining good drainage for fields, lining fields for play, cleaning restrooms and facility areas including trash/garbage pickup, parking lots, roads, adequate lights, light poles, security, utilities, physical structures and related needs.

The City shall provide **Ten Thousand, Dollars (\$10,000.00)** to be applied to the payment of referees, coaches, tournament expenses, equipment (may include items such as soccer balls, nets, goals, flags, etc), and to scholarship children who are residents of the city and who can't afford to pay full fee. The appropriate expenditure reports (Attachment III) shall be completed and filed with the City by October 31, 2014. HYSA shall have first priority use of and access to all Tatum Park soccer fields and related facilities for practices, games, clinics, camps, tournaments, and related activities, except that City does reserve the right to use said facilities for other functions if HYSA does not give the City at least thirty(30) days advance notice of its intended use of Tatum Park, and the City shall coordinate the scheduling of its functions with HYSA so as to prevent the scheduling of functions that are detrimental to HYSA's overall soccer program. See Attachment IIa for Policy on General Public Use of Facilities.

III.

HYSA does hereby obligate itself to comply with the policies of the City: That all soccer programs shall be open to all citizens of the Hattiesburg area regardless of his/her ability to pay full fees charged for participation in said programs; and that the City's nondiscrimination policy(Attachment IIb) shall be observed. See Attachment II for all pertinent City policies.

IV.

It is understood by and between parties that this Agreement may be terminated by either party for any reason upon ninety (90) days written notice of their intention to terminate this Agreement.

V.

HYSA does hereby agree that it will hold harmless and indemnify the City from any and all liability and damages of any kind whatsoever resulting from the negligent or intentional tortious operation of the soccer program. The Liability Policy of the City is attached as Attachment IIc.

HYSA does hereby agree to appropriately acknowledge City's contribution to the Soccer Program in a public manner, through the use of such media that is appropriate. HYSA does hereby obligate itself to comply with National Standards for Youth Sports and Coach Review Policy(Attachments IId and IIe, respectively) adopted by the City Council.

VI.

HYSA does hereby obligate itself to comply with the Sports Participation Policy, which is attached as Attachment II f.

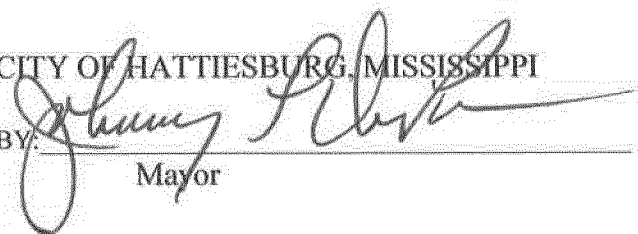
VII.

WITNESS the signatures of HYSA and the City to duplicate originals of this Agreement on this, the 4th day of November, A.D., 2014.

HATTIESBURG YOUTH SOCCER ASSOCIATION

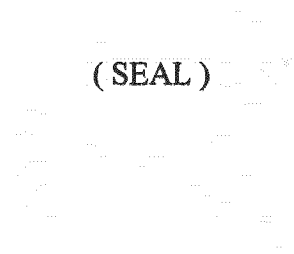
BY: _____
David Johns, President

CITY OF HATTIESBURG, MISSISSIPPI

BY: 
Mayor

ATTEST:


City Clerk

(SEAL) 

AGREEMENT
ATTACHMENT I

CITY OF HATTIESBURG
MAINTENANCE POLICY

Includes:

1. Mow on regular basis
2. Clean restrooms and facility area
3. Wash bleachers, as needed
4. Line fields
5. Fill low/soft sports

The City of Hattiesburg reserves the right to increase or decrease the amount and/or type of maintenance.

NOTE: Fields and restrooms must be left in a presentable condition (litter control) after use of fields by contracted organizations. Special attention should be noticed when City Maintenance Department is not working the day after scheduled games.

Maintenance Agreement for all tournaments will be negotiated.

The decision to call games is a joint decision, however, the City reserves the right to call any game(s) for safety reasons or to prevent damage to the field(s).

The Administration section of the Recreation Department manages the contracts.

AGREEMENT
ATTACHMENT II

CITY OF HATTIESBURG

CITY POLICIES

- a. General Public Use of Facility Policy
- b. Nondiscrimination Policy
- c. Liability Policy
- d. National Standards for Youth Sports Policy
- e. Coach Certification Review Policy
- f. Sports Participation Policy

AGREEMENT
ATTACHMENT IIa

CITY OF HATTIESBURG

GENERAL PUBLIC USE OF FACILITY POLICY

Facilities under lease, owned by the City of Hattiesburg, were funded by the citizens of Hattiesburg. The City does reserve the right to make its facilities for other functions when not in use by organizations leasing City facilities.

AGREEMENT
ATTACHMENT IIb

CITY OF HATTIESBURG

NONDISCRIMINATION POLICY

The City of Hattiesburg does not discriminate on the basis of Color, Race, Creed, National Origin, Sex, or Religion nor on the basis of disabling conditions in the admission or access to services provided through its programs and activities.

AGREEMENT
ATTACHMENT IIc

CITY OF HATTIESBURG

LIABILITY POLICY

There are inherent risks and recognized hazards associated with participation in sports and recreational activities. By participating in these programs, the participant assumes those risks and liabilities. The City of Hattiesburg assumes no liability nor does it afford medical coverage for injuries caused by participation of individuals, groups, teams, etc. in sports and recreational programs. Organizations shall maintain a minimum of \$500,000.00 general liability insurance and list the City of Hattiesburg as a certificate holder.

AGREEMENT
ATTACHMENT IIId

CITY OF HATTIESBURG

NATIONAL STANDARDS FOR YOUTH SPORTS POLICY

These standards are endorsed and supported by
26 National Agencies and Organizations

STANDARD #1 – PROPER SPORTS ENVIRONMENT

Parents must consider and carefully choose the proper environment for their child, including the appropriate age and development for participation, the type of sport, the rules in the sport, the age range of the participants, and the proper level of physical and emotional stress.

STANDARD #2 – PROGRAMS BASED ON THE WELL-BEING OF CHILDREN

Parents must select youth sports programs that are developed and organized to enhance the emotional, physical, social, and educational well being of children.

STANDARD #3 – DRUG AND ALCOHOL – FREE ENVIRONMENT

Parents must encourage a drug and alcohol-free environment for their children.

STANDARD #4 – PART OF A CHILD'S LIFE

Parents must recognize that youth sports are only a small part of a child's life.

STANDARD # 5 – TRAINING

Parents must insist that coaches are trained and certified.

STANDARD #6 – PARENTS' ACTIVE ROLE

Parents must make a serious effort to take an active role in the youth sports experience of their child providing a positive support as a spectator, coach, and league administrator and/or caring parent.

STANDARD #7 – POSITIVE ROLE MODELS

Parents must be a positive role model exhibiting sportsmanlike behavior at game, practices, and home, while also giving positive reinforcement to their child and support to their child's coaches.

STANDARD #8 – PARENTAL COMMITMENT

Parents must demonstrate their commitment to their child's youth sports experience by annually signing a parental code of ethics.

STANDARD #9 – SAFE-PLAYING SITUATION

Parents must insist on safe-playing facilities, healthful playing situation, and proper first-aid applications, should the need arise.

STANDARD #10 – EQUAL PLAY OPPORTUNITY

Parents, coaches, and league administrators must provide equal sports play opportunity for all youth regardless of race, creed, sex, or economic status of ability.

STANDARD # 11 - DRUG AND ALCOHOL-FREE ADULTS

Parents must be drug and alcohol-free at youth league sporting events.

AGREEMENT
ATTACHMENT IIe

CITY OF HATTIESBURG

COACH REVIEW POLICY

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AGREEMENT
ATTACHMENT IIf

CITY OF HATTIESBURG

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AGREEMENT
ATTACHMENT IIf
PAGE 2

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AGREEMENT
ATTACHMENT IIf
PAGE 3

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AGREEMENT
ATTACHMENT III

CITY OF HATTIESBURG

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AGREEMENT
ATTACHMENT IIIa

CITY OF HATTIESBURG

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City of Hattiesburg, MS

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

Master

File Number: 2014-1490

File ID: 2014-1490

Type: Regular Agenda Item

Status: Passed

Version: 1

Reference:

In Control: City Council

File Created: 10/29/2014

Brief Title: USM Agreement, Health Initiative Grant

Final Action: 11/04/2014

Minute Book Number: MB2014-332

Title:

Approve Service Agreement between the City of Hattiesburg and the University of Southern Mississippi (USM) for the Health Access Grant Implementation 2014 project; Authorize the Mayor to execute

Notes:

Sponsors:

Enactment Date:

Attachments: USM Agreement, executed USM Agreement

Enactment Number:

Contact:

Meeting Date:

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	11/04/2014	Approve				Pass
Action Text: A MOTION was made by Council Member Dryden and seconded by Council Member Naylor to Approve Service Agreement between the City of Hattiesburg and the University of Southern Mississippi (USM) for the Health Access Grant Implementation 2014 project; Authorize the Mayor to execute							
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 2014-1490

Title

Approve Service Agreement between the City of Hattiesburg and the University of Southern Mississippi (USM) for the Health Access Grant Implementation 2014 project; Authorize the Mayor to execute

Summary

USM Agreement for Health Access Initiative

Budget Information

001020.6049.98

Expenditure Type

Regular Budget



THE UNIVERSITY OF
SOUTHERN MISSISSIPPI

SPONSORED PROGRAMS ADMINISTRATION

118 College Drive #5157 | Hattiesburg, MS 39406-0001

Phone: 601.266.4119 | Fax: 601.266.4312 | www.usm.edu/spa

October 14, 2014

Johnny L. DuPree, Ph.D., Mayor
City of Hattiesburg
P. O. Box 1898
Hattiesburg, MS 39401
Phone: (601) 545-4500

RE: Service Agreement between City of Hattiesburg and USM
Project Title: Health Access Grant Implementation 2014

☒ Enclosed please find 1 original(s) of the document referenced above. **Please have your authorized institutional representative sign and then return all copies to my attention at the address listed above. One fully executed original document will be returned to you upon countersignature.**

☐ Enclosed please find _____ original(s) of the document referenced above. Each bears an original signature of The University of Southern Mississippi's authorized representative. Please have your authorized representative sign and then return one fully executed copy to my attention at the address listed above.

☐ Enclosed please find _____ original(s) of the document referenced.

If further information is necessary, please do not hesitate to contact me via phone (601) 266-4119 or email ("Tymika.Rushing@usm.edu"). Thank you for your support toward externally sponsored activities at The University of Southern Mississippi.

Sincerely,

Tymika Rushing
Associate Grants Administrator

Enclosure

RESEARCH SUPPORT/SERVICES AGREEMENT

This Agreement is between THE CITY OF HATTIESBURG MISSISSIPPI, hereinafter referred to as "SPONSOR", a corporation organized and existing under the laws of the State of Mississippi with its corporate address being 200 FORREST STREET, HATTIESBURG, MS 39401, and the University of Southern Mississippi, a governmental entity of the State of Mississippi, hereinafter referred to as "USM", for and on behalf of its School of Social Work with its address at 118 College Drive #5157, Hattiesburg, Mississippi 39406. SPONSOR and USM are collectively referred to as the "parties."

WHEREAS, SPONSOR desires to obtain certain, specific research services from USM.

WHEREAS, SPONSOR desires to support the proposed project entitled "Health Access Hattiesburg #2 Evaluation".

THEREFORE, this Agreement sets forth the terms of the performance and administration of work, and the parties agree as follows:

I. TERMS

- A. Term of Contract.** This agreement shall not be effective unless and until both parties have executed this agreement. The effective date of this agreement shall be the date of last signature. The period of performance is from July 15, 2014 to December 31, 2015. The project period may be changed by mutual consent of the parties by written amendment to this agreement.
- B. Scope of Work.** USM will perform the work as described Addendum A. Dr. Timothy Rehner, a USM faculty member, will supervise all work to be performed under the terms of this Agreement. In the event the USM faculty member is unable or unwilling to continue with this project, the parties will attempt to find a mutually acceptable substitute. In the event a mutually acceptable substitute is not found, the Agreement may be terminated in accordance with Article V.
- C. Payment.** Both parties agree this is a fixed price agreement. SPONSOR shall pay to USM \$65,973 according to the following schedule:

Upon invoice following execution of this Agreement: **\$32,986.50**

Remaining payment schedule: **\$32,986.50** due on 12/31/2015

Payment shall be sent to:

**Office of Research Administration
Financial Reporting and Audit
118 College Drive #5157
Hattiesburg, MS 39406-0001**

- D. Publicity.** SPONSOR shall not use the names, logos, trademarks, or any other mark or image considered by USM to be identified with or protected by USM, or those of any of the institution's employees or former employees, or any adaptation thereof, in any advertising, promotional or sales literature without prior written consent being obtained from the USM University Counsel and the Vice President for Research, in each case, except that SPONSOR may state that SPONSOR has employed USM to perform services for the SPONSOR under this Agreement.

II. CONDITIONS

A. Availability of Funds. It is expressly understood and agreed that the obligation of USM to proceed under this agreement is conditioned upon the availability and receipt of funds by USM to specifically perform the obligations set forth for USM under this agreement.

B. No USM Funding. It is expressly understood and agreed that the obligation of USM to proceed under this agreement is conditioned upon the receipt by USM of funds or other mutually agreed upon consideration from SPONSOR to specifically perform the obligations set forth for USM under this agreement. No USM funds are obligated for payment or disbursement or envisioned as being encumbered under this agreement to any party at any time.

C. Representation Regarding Contingent Fees and Gratuities. SPONSOR represents that it has not retained a person to solicit or secure a state contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee. Further, SPONSOR represents that it has not violated, is not violating, and promises that it will not violate the prohibition against gratuities set forth in state law.

D. Authority to Contract. SPONSOR warrants (a) that it is a validly organized business with valid authority to enter into this agreement; (b) that it is qualified to do business and is in good standing in the State of Mississippi; (c) that entry into and performance under this agreement is not restricted or prohibited by any loan, security, financing, contractual, or other agreement of any kind, and (d) notwithstanding any other provision of this agreement to the contrary, that there are no existing legal proceedings or prospective legal proceedings, either voluntary or otherwise, which may adversely affect its ability to perform its obligations under this agreement.

E. Disputes. The parties agree that any and all disputes between the parties to this agreement may, if mutually agreeable to both parties, be subjected to voluntary mediation and that such disputes are subject to final resolution if said voluntary mediation efforts result in a written resolution agreement executed by both parties.

F. Failure to Enforce. The failure by either party at any time to enforce the provisions of this agreement shall not be construed as a waiver of any such provision. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of either party to enforce the provision at any time in accordance with its terms.

G. Indemnification. SPONSOR and its officers shall indemnify, defend, save and hold harmless, protect, and exonerate the State of Mississippi, the Board of Trustees of State Institutions of Higher Learning, USM, and each of their officers, agents, employees, and representatives, both in their official and in their individual capacities from and against all claims, demands, liabilities, suits, actions, damages, losses and costs of every kind and nature whatsoever, including, without limitation, court costs, investigative fees and expenses, attorneys' fees, arising out of or caused by SPONSOR and its' partners, principals, officers, agents, employees and representatives related to actions or inactions of SPONSOR, its partners, principals, officers, agents, employees and representatives. In USM's sole discretion, SPONSOR may be allowed to control the defense of any such claim, suit, etc., but in such an event, SPONSOR shall use legal counsel acceptable to USM. SPONSOR shall be solely responsible for all costs and/or expenses associated with such defense and USM shall be entitled to participate in said defense. SPONSOR shall not settle any claim, suits, etc., without USM's written concurrence, which concurrence USM shall not unreasonably withhold.

H. No Warranty. USM makes no representations or warranties, either express or implied, as to any matter including but not limited to the condition or quality of the Deliverables or their

merchantability or fitness for a particular purpose. University will have no liability or responsibility for or regarding any claims, damages or losses arising out of the use by the Sponsor or by any party acting on behalf of or under authorization from the Sponsor of the deliverables, or out of any use, sale or other disposition by the Sponsor or by any party acting on behalf of or under authorization from the Sponsor of any product or technique which is the subject of the Services or is created or modified based on the deliverables.

I. USM Responsibility. USM shall be responsible for liability resulting from the actions/inactions of its officers, agents, and employees acting within the course and scope of their official duties with USM to the degree and within the parameters permitted under §§11-46-1, et seq., Mississippi Code Annotated of 1972.

J. Attorneys' Fees and Expenses. SPONSOR agrees that in the event SPONSOR defaults in any obligations under this agreement that SPONSOR shall pay to USM all costs and expenses, including, but not limited to, attorneys' fees incurred by USM in enforcing this agreement.

K. Patents and Copyrights. SPONSOR covenants to save, defend, keep harmless, and indemnify the State of Mississippi, the Board of Trustees of State Institutions of Higher Learning, USM, and each of their officers, agents, employees, and representatives, both in their official and in their individual capacities, from and against all claims, losses, damages, injury, fines, penalties, and costs, including court costs and attorneys' fees, charges, and any other liability and exposure however caused for or on account of any copyright or patent infringement that may result from the activities related to this agreement and the actions/inactions thereunder by the parties that derive from submissions provided to USM by SPONSOR or from the use of publications which SPONSOR may otherwise request USM to utilize. This indemnification is not separate from that set forth elsewhere in this agreement and is not a limitation thereon, but instead is in conjunction therewith and is recited to ensure that the full breadth of the indemnification provisions contained elsewhere in this agreement are understood by the parties.

L. USM - Independent Contractor. USM shall at all times be regarded as and shall be legally considered an independent contractor and neither USM nor its employees shall, under any circumstances, be considered servants, agents or employees of SPONSOR, and SPONSOR shall at no time be legally responsible for any negligence or other wrongdoing by USM, its principals, officers, agents, employees or representatives. SPONSOR shall not be responsible for any federal or state unemployment tax, federal or state income taxes, Social Security taxes, or any other amounts for the benefit of USM or any of its principals, officers, agents, employees or representatives.

SPONSOR shall not provide to USM, its principals, officers, agents, employees or representatives any employee insurance coverage or other benefits, including, but not limited to, Workers' Compensation, which are normally provided by SPONSOR to its employees. USM's personnel shall not be deemed in any way, directly, indirectly, expressly or by implication, to be employees of SPONSOR. Nothing contained in this agreement or otherwise shall be deemed or construed as creating the relationship of principal and agent, partners, joint ventures, or any similar relationship between SPONSOR and USM. At no time shall USM be authorized to do so and at no time shall USM act as an agent for or of SPONSOR.

M. Equal Employment Opportunity. SPONSOR represents and understands that USM is an equal opportunity employer and therefore maintains a policy which prohibits unlawful discrimination. SPONSOR agrees that during the term of this agreement that SPONSOR will strictly adhere to this policy in its employment practices and the provision of its services.

N. Assignment Prohibition. SPONSOR agrees that it shall not attempt to nor shall it assign this agreement to any party and that any attempt to do so shall be void.

O. No Third Parties. There are no other parties to this agreement. No obligations to third parties are provided herein, whether by the express or implied terms and conditions. Neither party shall be liable to any third party based upon this agreement, its terms and conditions, or a party's actions taken hereunder.

P. No Other Terms, Conditions, or Understandings. The parties hereto acknowledge that this Agreement sets forth the entire Agreement and understanding of the parties hereto as to the subject matter hereof and constitutes the full and complete Agreement in this matter by and between the parties hereto, and shall not be subject to any change or modification except by the execution of a written instrument subscribed to by the parties hereto. Should SPONSOR issue a purchase order to USM for work performed under this agreement, both parties agree that any purchase order terms preprinted or referenced on a website DO NOT APPLY to the work being performed under this agreement.

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For SPONSOR:
The City of Hattiesburg
P. O. Box 1898
Hattiesburg, MS 39401

For USM jointly at:
Marcia Landen
118 College Drive #5157
Hattiesburg, MS 39406-0001

AND

Dr. Tim Rehner
118 College Drive #5114
Hattiesburg, MS 39406-0001

S. Ownership and Publication. SPONSOR shall own all interim and final reports delivered to SPONSOR under this agreement. SPONSOR hereby grants to USM the license to use all interim and final reports and data in publications and educational activities. Both SPONSOR and USM may formally release data or project results or publish results in academic or other media with proper attribution to the other party according to publication standards.

T. Confidential Information. "Confidential Information" means information consistent with the purpose stated in Addendum A which is disclosed in any tangible form and is clearly labeled or marked as confidential, proprietary or its equivalent, or information which is disclosed orally or visually, is designated confidential, proprietary or its equivalent at the time of its disclosure and is reduced to writing and clearly marked or labeled as confidential, proprietary or its equivalent within thirty days of disclosure. To the extent allowed by law, the party receiving Confidential Information shall restrict the use of the Confidential Information to the purpose set forth in Addendum A and shall safeguard against disclosure of the Confidential Information to third parties using the same degree of care to prevent disclosure as it uses to protect its own information of like importance, but at least reasonable care. A party may make only the minimum number of copies of any Confidential Information required to carry out the purpose of this Agreement. All proprietary and copyright notices in the original must be affixed to copies or partial copies.

Neither party shall be obligated to maintain any information in confidence or refrain from use if:

- 1) The information was in the receiving party's possession or was known to it prior to its receipt from the disclosing party;
- 2) The information is independently developed by the receiving party without the utilization of Confidential Information of the disclosing party;
- 3) The information is or becomes public knowledge without fault of the receiving party.
- 4) The information is or becomes available on an unrestricted basis to the receiving party from a source other than the disclosing party;
- 5) The information becomes available on an unrestricted basis to a third party from the disclosing party or from someone acting under its control; or
- 6) The information is publicly disclosed (i.e., not under adequate protective order) by the receiving party under an order of a court or government agency, provided that the receiving party provides prior written notification to the disclosing party of such obligation and the opportunity to oppose such order.
- 7) Ordered to release by a court of competent jurisdiction or otherwise required to release by law.
- 8) "Notwithstanding any provision to the contrary contained herein, it is recognized that University is a public agency of the State of Mississippi and is subject to the Mississippi Public Records Act, Mississippi Code Annotated §25-61-1, *et seq.*, as amended. If a public records request is made for any Information provided to University pursuant to this agreement, University shall promptly notify the disclosing Party of such request. The disclosing Party shall promptly institute appropriate legal proceedings to protect its Information. No Party to this agreement shall be liable to the other Party for disclosures of Information required by Court order or required by law."

U. Severability. If any part of this agreement is declared to be invalid or unenforceable, such invalidity or unenforceability shall not affect any other provision of the agreement, and to that end the provisions hereof are severable. In such an event, the parties shall amend the agreement as necessary to reflect the original intent of the parties and to bring any invalid or unenforceable provisions in compliance with applicable law.

V. Termination for Convenience. USM may, when the interests of USM so require, terminate this agreement in whole or in part for the convenience of USM. Written notice of the same is required to be provided by USM and shall allow no less than 60 days' notice prior to the effective date of the termination.

W. Termination for Cause. Either party may terminate this agreement upon issuance of written notice if the other party fails to perform the obligations to the other party under this agreement. The party issuing such a termination notice may allow 30 days within which the other party may attempt to cure the failure to fulfill its obligations, but such 30 day cure time is not required.

X. Applicable Law. This contract shall be governed by and construed in accordance with the laws of the State of Mississippi, excluding its choice of laws and conflict of laws provisions, and any litigation with respect thereto shall be brought in the courts of Mississippi. SPONSOR shall comply with applicable federal, state, and local laws and regulations.

THE UNIVERSITY OF SOUTHERN MISSISSIPPI



Dr. Gordon Cannon
Vice President for Research

10/8/14

Date

SPONSOR

Johnny L. DuPree, Ph.D., Mayor
City of Hattiesburg, MS

Date

Scope of Work

- **Description of Project**

The City of Hattiesburg received an implementation grant to increase family's enrollment and retention in Medicaid or the Children's Health Insurance Program (CHIP). The Cities Expanding Health Access for Children and Families (CEHACF) Initiative will help cities implement comprehensive campaigns to enroll children and families in Medicaid and CHIP and reduce the uninsured rate for children and families by 50% in each of the cities.

- **Scope of Services**

In order to evaluate the process and outcomes of the implementation, the City of Hattiesburg will partner with the University Of Southern Mississippi School Of Social Work. The evaluation team will use a mixed-methods approach to collect and analyze data*. The approach will utilize a combination of community surveys, data counts, interviews, focus groups, and listening sessions to identify the perceived success of the campaign in the community, as well as identify changes that need to be made during the campaign. The University will address the following goals and objectives:

Goal 1: Develop database for data collection

Objective 1: Contract with database consultant to develop comprehensive database.

Objective 2: Train program coordinator in use of database and required data to be provided on a monthly basis.

Goal 2: Design data collection forms to be used by the partner agencies, the program coordinator and community liaisons.

Objective 1: Design satisfaction surveys for community members to indicate their level of satisfaction with the following services:

- education on use of Medicaid website
- seminars at faith-based organizations
- one-on-one enrollment assistance

Objective 2: Design pre- and post-tests to assess knowledge gained about healthy eating and exercise or enrollment knowledge gained for the following programs:

- Move to Learn in Hattiesburg Public School District
- smART program in Hattiesburg Public School District
- one-on-one enrollment assistance

Objective 3: Design one form to collect:

- demographic and count data from each education, enrollment, and empowerment activities (number of attendees, materials distributed, etc.)

- number and type of public displays of campaign brand
- total cost of each activity/event
- number of visitors to “hot spot” locations
- number of referrals received from partner agencies
- number, type, and method of materials distributed
- number of individuals enrolled or recertified in Medicaid/CHIP

Goal 3: Collect secondary data from local, state, and federal publications/databases.

- Objective 1:** Compare increases or decreases in Medicaid/CHIP enrollment and retention
- Objective 2:** Gather supplementary data related to insurance usage, emergency room usage, attendance, discipline, and academic data indicating changes in the school setting

Goal 4: Analyze data utilizing descriptive, correlational, and trend analyses.

- Objective 1:** Quarterly analysis with reports generated for city officials and advisory board, project coordinator, and partner organizations
- Objective 2:** Final report will be a summative project overview that spans the 18 month program. it will also include a 2nd community-wide survey that can be compared to the one that was completed as part of the planning grant in April 2014.

Goal 5: Identify mid-course changes needed, if any, based on ongoing data analysis.

Goal 6: Conduct a community-wide follow-up survey during the final months of the implementation

- Objective 1:** Use the 2nd community-wide data to compare to baseline survey
- Objective 2:** Identify successful strategies and future needs of the community

*The data will include:

- (1) **Education data** -- Number and type of community event held (date, time, location); Number of community members in attendance at each event; Number of volunteers utilized at each outreach event (including elected officials); Number and type of educational material distributed; Number of follow-up visits requested; Number and type of informational sessions and seminars provided; Participant pre- and post-tests and satisfaction surveys from each informational session or seminar provided; Number and type of public displays of campaign brand; Number of children participating in HPSD “Move to Learn” and smArt programs; Pre- and post-tests for students participating in HPSD’s “Move to Learn” and smArt programs; Number of individuals reached by various marketing strategies; Total cost of each outreach activity.
- (2) **Enrollment data** -- Demographic data (race, gender); Satisfaction surveys conducted with randomly selected participants from the facilitated self-assistance online enrollment or recertification; Number of applications completed/enrolled in Medicaid or CHIP by project coordinator or assistant face-to-face (children and adults); Number of recertifications

completed/recertified in Medicaid or CHIP by project coordinator face-to-face (children and adults); Location and number of enrollment days held in each community/neighborhood; Number of people enrolled in Medicaid or CHIP at each community/neighborhood enrollment day; How individuals learned about enrollment assistance opportunities; Number of referrals received from each partner organization; Number of mascot visits made; Number of enrollments received in the neighborhood E³ office location; Number of people enrolled in Medicaid and CHIP in the 39401 zip code area.

(3) **Empowerment data** -- Number of reminders sent; Number of educational materials provided to the community on the benefits of enrollment and recertification; Number of views on websites; Number of attendees at *Steering a Healthier Course* rallies; Number of new enrollees recertifying annually.

(4) **Additional data** -- Demographic (race, gender, language); Three county enrollment trend (Forrest, Lamar, Perry); Emergency room usage before, during, and after implementation; HPSD school-level attendance, office referrals, and grade data at baseline and every nine weeks during implementation period.

Data collected will provide information on the increase in knowledge of health, wellness, and nutrition by children and families (pre-post-tests); the increased understanding of Medicaid/CHIP qualification criteria (customer satisfaction surveys); the reduction in the number of uninsured in the target community; and the increase in the number of community members retaining Medicaid or CHIP coverage. A process evaluation will be conducted utilizing the data points in order to provide information to other cities on how to develop such a campaign.

Deliverables:

- Database development (October-November 2014)
- Quarterly data analysis and report (October 2014, January 2015, March 2015, June 2015, August 2015, October 2015, December 2015)
- Monthly data provided to Mathematica per NLC request
- Mid-term report to NLC (~April 2015)
- Final report to NLC (December 2015)

RESEARCH SUPPORT/SERVICES AGREEMENT

This Agreement is between THE CITY OF HATTIESBURG MISSISSIPPI, hereinafter referred to as "SPONSOR", a corporation organized and existing under the laws of the State of Mississippi with its corporate address being 200 FORREST STREET, HATTIESBURG, MS 39401, and the University of Southern Mississippi, a governmental entity of the State of Mississippi, hereinafter referred to as "USM", for and on behalf of its School of Social Work with its address at 118 College Drive #5157, Hattiesburg, Mississippi 39406. SPONSOR and USM are collectively referred to as the "parties."

WHEREAS, SPONSOR desires to obtain certain, specific research services from USM.

WHEREAS, SPONSOR desires to support the proposed project entitled "Health Access Hattiesburg #2 Evaluation".

THEREFORE, this Agreement sets forth the terms of the performance and administration of work, and the parties agree as follows:

I. TERMS

A. Term of Contract. This agreement shall not be effective unless and until both parties have executed this agreement. The effective date of this agreement shall be the date of last signature. The period of performance is from July 15, 2014 to December 31, 2015. The project period may be changed by mutual consent of the parties by written amendment to this agreement.

B. Scope of Work. USM will perform the work as described Addendum A. Dr. Timothy Rehner, a USM faculty member, will supervise all work to be performed under the terms of this Agreement. In the event the USM faculty member is unable or unwilling to continue with this project, the parties will attempt to find a mutually acceptable substitute. In the event a mutually acceptable substitute is not found, the Agreement may be terminated in accordance with Article V.

C. Payment. Both parties agree this is a fixed price agreement. SPONSOR shall pay to USM \$65,973 according to the following schedule:

Upon invoice following execution of this Agreement: **\$32,986.50**

Remaining payment schedule: **\$32,986.50** due on 12/31/2015

Payment shall be sent to:

**Office of Research Administration
Financial Reporting and Audit
118 College Drive #5157
Hattiesburg, MS 39406-0001**

D. Publicity. SPONSOR shall not use the names, logos, trademarks, or any other mark or image considered by USM to be identified with or protected by USM, or those of any of the institution's employees or former employees, or any adaptation thereof, in any advertising, promotional or sales literature without prior written consent being obtained from the USM University Counsel and the Vice President for Research, in each case, except that SPONSOR may state that SPONSOR has employed USM to perform services for the SPONSOR under this Agreement.

II. CONDITIONS

A. Availability of Funds. It is expressly understood and agreed that the obligation of USM to proceed under this agreement is conditioned upon the availability and receipt of funds by USM to specifically perform the obligations set forth for USM under this agreement.

B. No USM Funding. It is expressly understood and agreed that the obligation of USM to proceed under this agreement is conditioned upon the receipt by USM of funds or other mutually agreed upon consideration from SPONSOR to specifically perform the obligations set forth for USM under this agreement. No USM funds are obligated for payment or disbursement or envisioned as being encumbered under this agreement to any party at any time.

C. Representation Regarding Contingent Fees and Gratuities. SPONSOR represents that it has not retained a person to solicit or secure a state contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee. Further, SPONSOR represents that it has not violated, is not violating, and promises that it will not violate the prohibition against gratuities set forth in state law.

D. Authority to Contract. SPONSOR warrants (a) that it is a validly organized business with valid authority to enter into this agreement; (b) that it is qualified to do business and is in good standing in the State of Mississippi; (c) that entry into and performance under this agreement is not restricted or prohibited by any loan, security, financing, contractual, or other agreement of any kind, and (d) notwithstanding any other provision of this agreement to the contrary, that there are no existing legal proceedings or prospective legal proceedings, either voluntary or otherwise, which may adversely affect its ability to perform its obligations under this agreement.

E. Disputes. The parties agree that any and all disputes between the parties to this agreement may, if mutually agreeable to both parties, be subjected to voluntary mediation and that such disputes are subject to final resolution if said voluntary mediation efforts result in a written resolution agreement executed by both parties.

F. Failure to Enforce. The failure by either party at any time to enforce the provisions of this agreement shall not be construed as a waiver of any such provision. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of either party to enforce the provision at any time in accordance with its terms.

G. Indemnification. SPONSOR and its officers shall indemnify, defend, save and hold harmless, protect, and exonerate the State of Mississippi, the Board of Trustees of State Institutions of Higher Learning, USM, and each of their officers, agents, employees, and representatives, both in their official and in their individual capacities from and against all claims, demands, liabilities, suits, actions, damages, losses and costs of every kind and nature whatsoever, including, without limitation, court costs, investigative fees and expenses, attorneys' fees, arising out of or caused by SPONSOR and its' partners, principals, officers, agents, employees and representatives related to actions or inactions of SPONSOR, its partners, principals, officers, agents, employees and representatives. In USM's sole discretion, SPONSOR may be allowed to control the defense of any such claim, suit, etc., but in such an event, SPONSOR shall use legal counsel acceptable to USM. SPONSOR shall be solely responsible for all costs and/or expenses associated with such defense and USM shall be entitled to participate in said defense. SPONSOR shall not settle any claim, suits, etc., without USM's written concurrence, which concurrence USM shall not unreasonably withhold.

H. No Warranty. USM makes no representations or warranties, either express or implied, as to any matter including but not limited to the condition or quality of the Deliverables or their

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THE UNIVERSITY OF SOUTHERN MISSISSIPPI

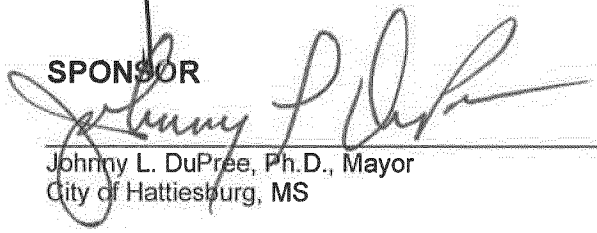


Dr. Gordon Cannon
Vice President for Research



Date

SPONSOR



Johnny L. DuPree, Ph.D., Mayor
City of Hattiesburg, MS

11-4-14

Date

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- number of individuals enrolled or recertified in Medicaid/CHIP

Goal 3: Collect secondary data from local, state, and federal publications/databases.

- Objective 1:** Compare increases or decreases in Medicaid/CHIP enrollment and retention
- Objective 2:** Gather supplementary data related to insurance usage, emergency room usage, attendance, discipline, and academic data indicating changes in the school setting

Goal 4: Analyze data utilizing descriptive, correlational, and trend analyses.

- Objective 1:** Quarterly analysis with reports generated for city officials and advisory board, project coordinator, and partner organizations
- Objective 2:** Final report will be a summative project overview that spans the 18 month program. it will also include a 2nd community-wide survey that can be compared to the one that was completed as part of the planning grant in April 2014.

Goal 5: Identify mid-course changes needed, if any, based on ongoing data analysis.

Goal 6: Conduct a community-wide follow-up survey during the final months of the implementation

- Objective 1:** Use the 2nd community-wide data to compare to baseline survey
- Objective 2:** Identify successful strategies and future needs of the community

*The data will include:

- (1) **Education data** -- Number and type of community event held (date, time, location); Number of community members in attendance at each event; Number of volunteers utilized at each outreach event (including elected officials); Number and type of educational material distributed; Number of follow-up visits requested; Number and type of informational sessions and seminars provided; Participant pre- and post-tests and satisfaction surveys from each informational session or seminar provided; Number and type of public displays of campaign brand; Number of children participating in HPSD “Move to Learn” and smArt programs; Pre- and post-tests for students participating in HPSD’s “Move to Learn” and smArt programs; Number of individuals reached by various marketing strategies; Total cost of each outreach activity.
- (2) **Enrollment data** -- Demographic data (race, gender); Satisfaction surveys conducted with randomly selected participants from the facilitated self-assistance online enrollment or recertification; Number of applications completed/enrolled in Medicaid or CHIP by project coordinator or assistant face-to-face (children and adults); Number of recertifications

completed/recertified in Medicaid or CHIP by project coordinator face-to-face (children and adults); Location and number of enrollment days held in each community/neighborhood; Number of people enrolled in Medicaid or CHIP at each community/neighborhood enrollment day; How individuals learned about enrollment assistance opportunities; Number of referrals received from each partner organization; Number of mascot visits made; Number of enrollments received in the neighborhood E³ office location; Number of people enrolled in Medicaid and CHIP in the 39401 zip code area.

(3) **Empowerment data** -- Number of reminders sent; Number of educational materials provided to the community on the benefits of enrollment and recertification; Number of views on websites; Number of attendees at *Steering a Healthier Course* rallies; Number of new enrollees recertifying annually.

(4) **Additional data** -- Demographic (race, gender, language); Three county enrollment trend (Forrest, Lamar, Perry); Emergency room usage before, during, and after implementation; HPSD school-level attendance, office referrals, and grade data at baseline and every nine weeks during implementation period.

Data collected will provide information on the increase in knowledge of health, wellness, and nutrition by children and families (pre-post-tests); the increased understanding of Medicaid/CHIP qualification criteria (customer satisfaction surveys); the reduction in the number of uninsured in the target community; and the increase in the number of community members retaining Medicaid or CHIP coverage. A process evaluation will be conducted utilizing the data points in order to provide information to other cities on how to develop such a campaign.

Deliverables:

- Database development (October-November 2014)
- Quarterly data analysis and report (October 2014, January 2015, March 2015, June 2015, August 2015, October 2015, December 2015)
- Monthly data provided to Mathematica per NLC request
- Mid-term report to NLC (~April 2015)
- Final report to NLC (December 2015)



City of Hattiesburg, MS

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

Master

File Number: 2014-1482

File ID: 2014-1482

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/28/2014

Brief Title: Authorize Mayor to Renew Agreement between the City of Hattiesburg and MBI for annual monitoring of alarm system located in the Hub City Transit Department in the amount not to exceed \$700.00 for the period of 9/15/14 to 9/14/15

Final Action:

Minute Book Number: MB2014-333

Title:

Authorize Mayor to Renew Agreement between the City of Hattiesburg and MBI for annual monitoring of alarm system located in the Hub City Transit Department in the amount not to exceed \$700.00 for the period of 9/15/14 to 9/14/15

Notes:

Sponsors:

Enactment Date:

Attachments: 11-04-HCT MBI

Enactment Number:

Contact:

Meeting Date: 11/04/2014

Drafter:

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014					

Text of Legislative File 2014-1482

Title

Authorize Mayor to Renew Agreement between the City of Hattiesburg and MBI for annual monitoring of alarm system located in the Hub City Transit Department in the amount not to exceed \$700.00 for the period of 9/15/14 to 9/14/15

Summary

Authorize Mayor to Renew Agreement between the City of Hattiesburg and MBI for annual monitoring of alarm system located in the Hub City Transit Department in the amount not to exceed \$700.00 for the period of 9/15/14 to 9/14/15



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

Date: October 17, 2014

To: Mayor and Council

From: Vincent Nelms, Division Manager HCT

RE: Alarm System Monitoring Contract

This memo is to request authority to renew an annual monitoring contract for the alarm system located in the Hub City Transit Department with MBI, at a rate not to exceed \$700.00.

Thank you for your consideration, and please let me know if additional information is needed.

VN/sb

Sharon Bolton RIP

9/16/14

per Sharon
must do memo to
Council first

INVOICE

MBI

P.O. Box 18445

Hattiesburg, MS 39404-8445

City of Hattiesburg

Accounting Department

P.O. Box 1898

Hattiesburg, MS 39403-1898

for:

Hub City Transit Alarm System

1001 South Tipton Street

Hattiesburg, MS 39401

Invoice Date: 09/01/14

**Remittance Date: Upon
Receipt**

Purchase Order:

Annual Monitoring of Alarm System.

Monitoring of Alarm System from 09/15/14 - 09/14/15

12 months @ \$20.00 per month

\$240.00

Subtotal: \$240.00

Sales Tax: N/A

Grand Total: \$240.00

Payment Remittance to:

MBI

P.O. Box 18445

Hattiesburg, MS 39404

Office (601) 268-6116

Toll Free (877) 893-6507

Email: Mbisecurity@comcast.net



City of Hattiesburg, MS

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

Master

File Number: 2014-1481

File ID: 2014-1481

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/28/2014

Brief Title: Acknowledge receipt of the unadvertised bid purchase docket for the period of August 26, 2014 through October 27, 2014

Final Action:

Minute Book Number: MB2014-333

Title:

Acknowledge receipt of the unadvertised bid purchase docket for the period of August 26, 2014 through October 27, 2014 as provided for in Section 31-7-13 (b) of the Mississippi Code of 1972

Notes:

Sponsors:

Enactment Date:

Attachments: 11-04-UAB Docket

Enactment Number:

Contact:

Meeting Date: 11/04/2014

Drafter: Michael Pope

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014					

Text of Legislative File 2014-1481

Title

Acknowledge receipt of the unadvertised bid purchase docket for the period of August 26, 2014 through October 27, 2014 as provided for in Section 31-7-13 (b) of the Mississippi Code of 1972

Summary

Acknowledge receipt of the unadvertised bid purchase docket for the period of August 26, 2014 through October 27, 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
Mary Dryden

Council - Ward 5
Henry Naylor

MEMORANDUM

TO: Mayor and Council

FROM: Michael Pope, Purchasing Department

DATE: October 28, 2014

SUBJECT: Unadvertised Bid Docket Acknowledgment

Attached is the purchase docket for the period of August 26, 2014, through October 27, 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
ADAPCO INC	09/08/14	09/08/14	17,250.00	145736	MOSQUITO CHEMICALS
CLARKE MOSQUITO CONTROL	09/08/14	09/08/14	28,500.00		
SMITH, JIM SERVICES	09/10/14	09/10/14	5,991.00	145842	LABOR AND MATERIAL TO REMOVE OLD & INSTALL
AMERICAN AIR SPECIALISTS INC	09/10/14	09/10/14	8,500.00		
PLAY IT AGAIN SPORTS	09/11/14	09/11/14	7,940.00	145889	CHEERLEADER UNIFORM 2014 SEASON.
DANCE FANTASY	09/11/14	09/11/14	10,700.00		
INDUSTRIAL ELECTRIC MOTOR WORKS, INC	09/15/14	09/15/14	15,400.00	145962	1800 RPM 208-230/430 VOLTS 60HZ MOTOR FRAME
S & N AIROFLO INC	09/15/14	09/15/14	15,880.00		
TRIPLE J CONSTRUCTION	09/15/14	09/15/14	5,100.00	145970	ABESTOS REMOVAL OF 3 PROPERTIES
SPECIALTY ABATEMENT SERVICES INC	09/15/14	09/15/14	11,154.00		
ROPER SUPPLY CO LLC	09/15/14	09/15/14	2,321.00	146004	SIRENS FOR DETECTIVE CARS
FLEET SAFETY EQUIPMENT INC	09/15/14	09/15/14	4,400.00		
IRBY, STUART C CO	09/17/14	09/17/14	11,875.00	146040	6/4 SO CORD UNCUT ON ONE CONTINUOUS ROLL
GARNER LUMLEY ELECTRIC SPLY CO	09/17/14	09/17/14	12,350.00		
IRBY, STUART C CO	09/18/14	09/18/14	29,979.66	146059	LED LIGHT CONVERSION IN THE PINE STREET PAR
GARNER LUMLEY ELECTRIC SPLY CO	09/18/14	09/18/14	33,169.61		
IRBY, STUART C CO	09/18/14	09/18/14	23,800.98	146062	DOWNTOWN ST. LIGHTS
GARNER LUMLEY ELECTRIC SPLY CO	09/18/14	09/18/14	32,100.00		
INSIGHT PUBLIC SECTOR	10/23/14	10/23/14	27,547.20	146946	PRINTERS & CARD READERS FOR E CITATIONS
C D W GOVERNMENT	10/23/14	10/23/14	32,880.00		
SOUTH MS BUSINESS MACHINES INC	10/23/14	10/23/14	34,264.40		
BUCK SULLIVAN INC	10/23/14	10/23/14	16,400.00	146975	SPECIFICATION FOR SERVICE BODY
H & H CHIEF SALES	10/23/14	10/23/14	16,600.00		

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 09/08/14
PO No. 145736
Req No. 2105

VENDOR MAILING:
ADAPCO INC
550 AERO LN
SANFORD FL 32771-6342

BEECH, JANET
MINUTE BOOK # PENDING
VENDOR # 90012703

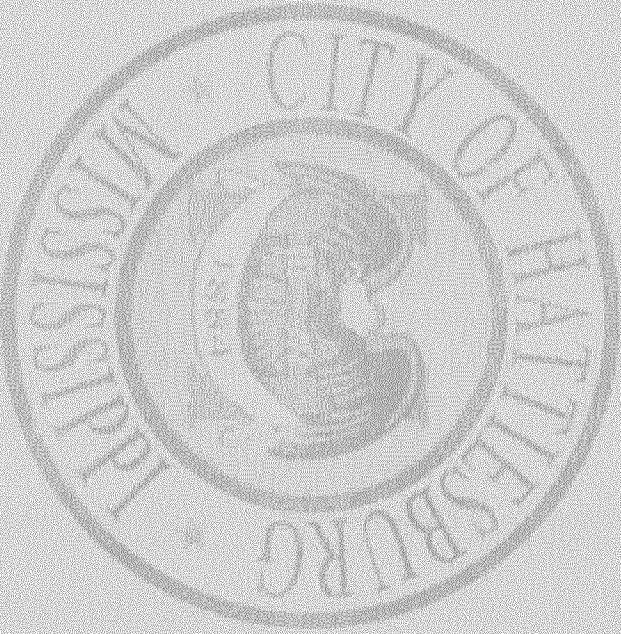
SHIP TO :
CITY OF HATTIESBURG
PUBLIC WORKS DEPT
1202 JAMES STREET
HATTIESBURG MS 39401

PROJECT LINE: MOSQUITO CHEMICALS

PROCESSING CODE:

SEND METHOD 1 (866)3309888

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001201.5130	AQUA PURSUIT 20/20 WATER BASED PRODUCT ONLY 1-3 DAYS DELIVERY TIME REQUIRED	5.00	EA	3,450.0000	17,250.00



TOTAL CONTRACT AMOUNT NOT TO EXCEED

17,250.00

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

866 330 988
 ADAPCO INC.
 550 AERO LN
 SANFORD FL 32771-6342

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To CITY OF HATTIESBURG
 PURCHASING DIVISION
 220 F FRONT ST. 2ND FLOOR
 PO BOX 1888
 HATTIESBURG MS 39401

Page No. 9/05/14
 Date 2:05 PM
 Order Number 00

PRINTED NAME JASON TRUMBETTA

SIGNATURE

DATE 09/08/2014

Shipping terms are F.O.B. destination, freight prepaid

Phone Number . . 601 5454512

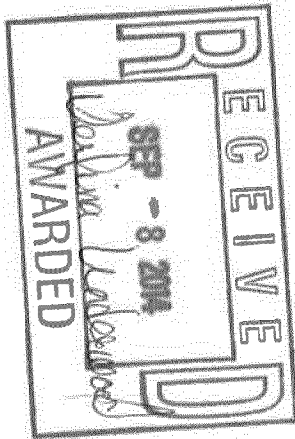
PROJECT LINE: MOSQUITO CHEMICALS

AQUA PURSUIT 20/20
 WATER BASED PRODUCT ONLY
 1-3 DAYS DELIVERY TIME REQUIRED

ITEM DESCRIPTION
 30 GL DRUMS

Request Date	QTY	UNIT	Unit Price	Extended Cost	Delivery Date	Expired Date
09/04/14	5.00	EA	\$115.00/GL	\$3,450.00	2 DAYS ARO	12/31/15

TOTAL BID PRICE \$17,250.00



80 R
 9/8/14

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORMDate: 9/05/14
Order Number: 2165 OQCLARKE MOSQUITO CONTROL
PO BOX 72197
ROSELLE IL 60172-2197Mail To: CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST. 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Phone Number: 601 5454512

PRINTED NAME: Danny Meyers

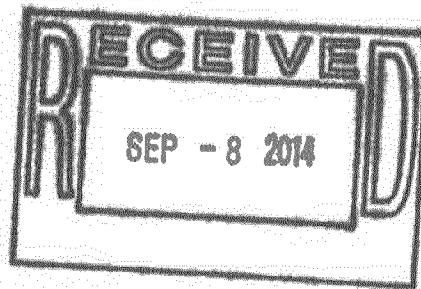
SIGNATURE: *Danny Meyers* DATE: 9/5/14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: MOSQUITO CHEMICALS

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
AQUA PERMUIT 20/20 WATER BASED PRODUCT ONLY 1-3 DAYS DELIVERY TIME REQUIRED	09/04/14	5.00	EA	190.00/gallon	\$28,500.00	1-3 days	12/31/14

TOTAL BID PRICE \$28,500.00



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 09/10/14
PO No. 145842
Req No. 2102

VENDOR MAILING:
JIM SMITH SERVICES
315 E THIRD ST
HATTIESBURG MS 39401-2009

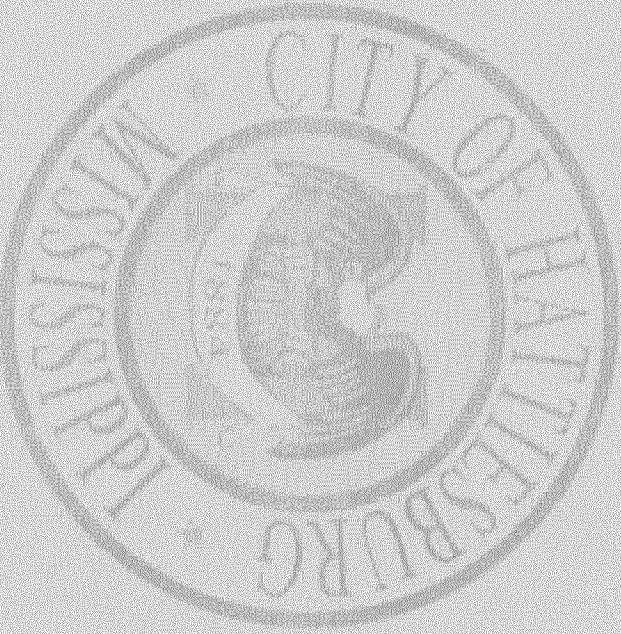
GRIFFIN, FRANCES
MINUTE BOOK # pending
VENDOR # 00017549
(601) 5454654
SHIP TO :
CITY HALL
200 FRONT ST
HATTIESBURG MS 39401

PROCESSING CODE:

PROJECT LINE: LABOR AND MATERIAL TO REMOVE OLD & INSTALL NEW 3.5 HEAT PUMP

SEND METHOD 1 (601)5848403

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001092.6350	LABOR AND MATERIALS TO REMOVE OLD UNIT AND INTALL NEW 3.5 HEAT PUMP UNIT WITH AUTOMATIC DAMPER AND THERMOSTAT, SUPPLY BY PASS DAMPER THAT WILL CONTROL COOLING IN THE CONFERENCE ROOM ADJACENT TO MAYOR'S OFFICE ON 3RD FLOOR IN CEILING	1.00	EA	5,991.0000	5,991.00



TOTAL CONTRACT AMOUNT NOT TO EXCEED

5,991.00

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.

09/08/2014 00:31 6015848403

JIMSMITHSERVICES

PAGE 01/01

0003/003

09/08/2014 MON 8:27 FAX 6015456661 Hattiesburg Purchasing

43630

604 848 43
JIM SMITH SERVICES
315 E THIRD ST
HATTIESBURG MS 39401-2009

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To . . .

CITY OF HATTIESBURG
PURCHASING DIVISION
220 E THIRD ST. 2ND FLOOR
PO BOX 1892
HATTIESBURG MS 39401

Page No. . . . 9/08/14
Date 2:02 PM
Order Number . . .

Phone Number . . . E01 5454512

Shipping terms are F.O.B. destination, freight prepaid

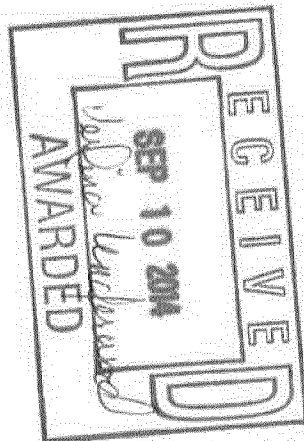
PRINTED NAME: James E. Smith DATE: 9/10/2014
SIGNATURE: [Signature]

PROJECT LINE: LABOR AND MATERIAL TO REMOVE OLD & INSTALL NEW 3.5 HEAT PUMP
ITEM DESCRIPTION

Request Date	QTY	UNIT	Unit Price	Extended Cost	Delivery Date	Expired Date
09/03/14	1.00	EA	\$5,991.00	\$ 5,991.00	9/30/14	09/01/14

TOTAL BID PRICE \$5,991.00

7 Graham



09/08/2014 MON 8:38 FAX 6015456661 Hattiesburg Purchasing

003/003

43530

601 544 7746

AMERICAN AIR SPECIALISTS
199 SULLIVAN-KIRKMAN RD
PO BOX 162
HATTIESBURG MS 39403-0162

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. 9/08/14
Date 2102 00
Order Number

PRINTED NAME AMERICAN AIR SPECIALISTS of MS, Inc.

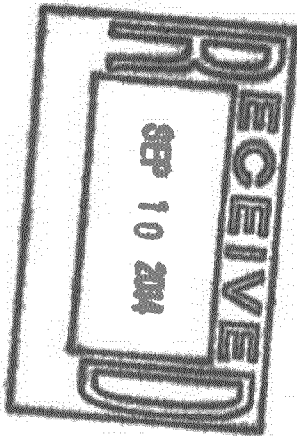
Phone Number . . 601 5454512

SIGNATURE [Signature] DATE 9/8/14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: LABOR AND MATERIAL TO REMOVE OLD & INSTALL NEW 3.5 HEAT PUMP

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
LABOR AND MATERIALS TO REMOVE OLD UNIT AND INSTALL NEW 3.5 HEAT PUMP UNIT WITH AUTOMATIC DAMPER AND THERMOSTAT SUPPLY BY PASS DAMPER THAT WILL CONTROL COOLING IN THE CONFERENCE ROOM ADJACENT TO MAYOR'S OFFICE ON 2ND FLOOR IN CEILING	09/03/14	1.00	EA	\$ 8500. ⁰⁰	\$ 8500. ⁰⁰	10/24/14	11/24/14

TOTAL BID PRICE \$ 8500.⁰⁰

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 09/11/14

POINT OF CONTACT:

PO No. 145889
Req No. 2106

VENDOR MAILING:
PLAY IT AGAIN SPORTS
4400 HARDY STREET, SUITE A-12
HATTIESBURG MS 39402

HOSKINS, MARYANN
MINUTE BOOK # pending
VENDOR # 00081970

SHIP TO :
CITY OF HATTIESBURG
REC-RECREATION CENTER(OLD YMCA)
300 N 12TH AVENUE
HATTIESBURG MS 39401

PROCESSING CODE:

PROJECT LINE: CHEERLEADER UNIFORM 2014 SEASON.

SEND METHOD 1 (601)2688917

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
002315.5510	CHEER UNIFORMS Girls/Youth cheerleader tops and bottoms. Logo on tops.	100.00	EA	32.0000	3,200.00
002315.5510	CHEER UNIFORMS Adult cheer uniforms. Top and bottoms. Tops with have logo on them.	100.00	EA	34.0000	3,400.00
002315.5510	POM POMS Total 200 Pom Pom which will be broken down by Team and color. 7 teams.	200.00	EA	6.7000	1,340.00

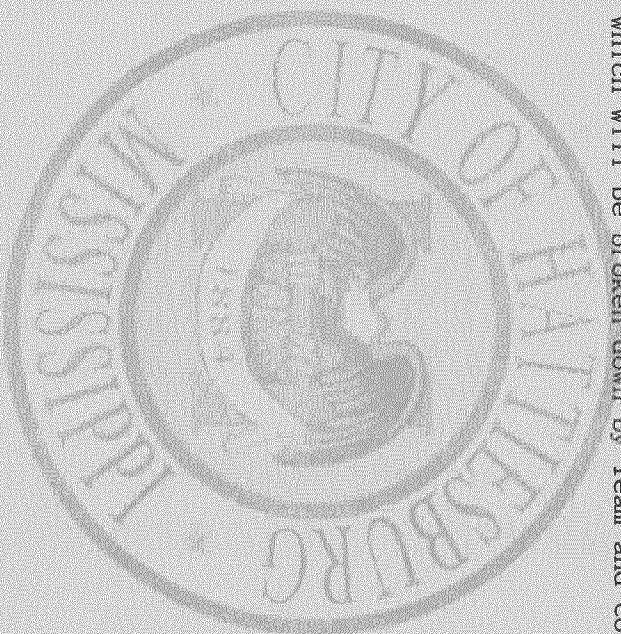
TOTAL CONTRACT AMOUNT NOT TO EXCEED

7,940.00

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.



09/10/2014 14:41

601268917

PLAY IT AGAIN SPORT

PAGE 01/01

002/003

43630

601 246 577
PLAY IT AGAIN SPORTS
4400 HADLEY STREET SUITE
HATTIESBURG MS 39402

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To . . .

CITY OF HATTIESBURG
PROCUREMENT DIVISION
220 S FRONT ST. 2ND FLOOR
PO BOX 1888
HATTIESBURG MS 39401

Page No. 9/10/14
Date 2105 04
Order Number

Phone Number . . 601 5454512

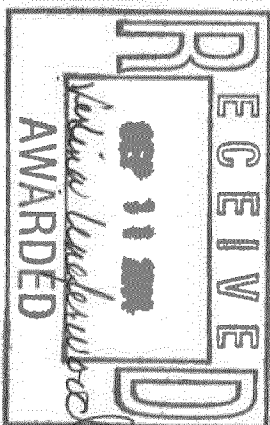
PRINTED NAME Play It Again Sports
SIGNATURE [Signature] DATE 9/10/2014

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: CHEERLEADER UNIFORM 2014 SEASON.

ITEM DESCRIPTION	Request Date	QTY	UN	IS	Extended Cost	Delivery Date	Expired Date
CHEER UNIFORMS Girls/Young cheerleader. tops and bottoms. Long on tops.	09/09/14	100.00	EA	32	3200	9/19	
CHEER UNIFORMS Adult cheer uniforms. top and bottoms. tops with have logo on them.	09/09/14	100.00	EA	34	3400	9/19	
FOR PAID Total 200 For Paid which will be broken down by Team and color	09/09/14	200.00	EA	6.70	1340	9/19	

TOTAL BID PRICE 7440



THANK YOU

43530

800 572 6549
DANCE FANTASY
28 MARKET COURT, SUITE 10
HATTIESBURG MS 39402

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date 9/10/14
Order Number 2106 Q2

CITY OF HATTIESBURG
PURCHASING DIVISION
220 W. FRONT ST. 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Mail To

Phone Number . . 601 5454512

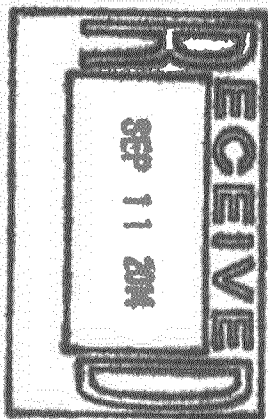
PRINTED NAME Faith Trussell
SIGNATURE Faith Trussell DATE 9/10/14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: CHEERLEADER UNIFORM 2014 SEASON.

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
CHEER UNIFORMS Girls/Youth cheerleader tops and bottoms. Logo on tops.	09/09/14	100.00	EA	37.50	3,750.00	9/12	
CHEER UNIFORMS Adult cheer uniforms. Top and bottoms. Tops with have logo on them.	09/09/14	100.00	EA	39.50	3,950.00	9/22	
POM POMS Total 200 Pom Pom which will be broken down by Team and color of teams.	09/09/14	200.00	EA	15.00	3,000.00	9/19/14	

TOTAL BID PRICE \$10,700.00



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 - 09/15/14 1

POINT OF CONTACT:

PO No. - 145962
Req No. - 2089

VENDOR MAILING:
INDUSTRIAL ELECTRIC MOTOR WORKS, INC
1551 REDMAN RD
MERIDIAN MS 39305-8428

WILLIAMS, TERESA
MINUTE BOOK # PENDING
VENDOR # 90082941

(601) 5454630

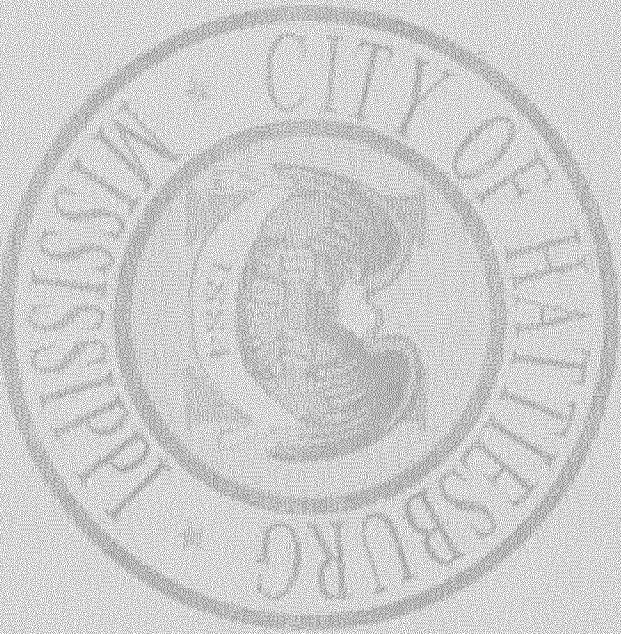
SHIP TO :
CITY OF HATTIESBURG
WATER PLANT #2
900 JAMES STREET
HATTIESBURG MS 39401

PROCESSING CODE:

PROJECT LINE: 1800 RPM 208-230/430 VOLTS 60HZ MOTOR FRAME S.LAGOON

SEND METHOD 1 (601)6795544

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
009677.7399	1800RPM 208-230/460 VOLTS 60HZ MOTOR FRAME 254 T SERVICE FACTOR 1.25 US MOTOR CATALOG #U15P2D	20.00	EA	770.0000	15,400.00



TOTAL CONTRACT AMOUNT NOT TO EXCEED

15,400.00

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.

0001

09/15/2014 MON 8:32 FAX 6015454689 Hattiesburg Water/Sewer --- Purchasing

0003/003

09/15/2014 MON 8:12 FAX 6015456661 Hattiesburg Purchasing

0003/003

09/09/2014 TUE 8:12 FAX 6015456661 Hattiesburg Purchasing

43530

601 679 5344
INDUSTRIAL ELECTRIC MOTOR
1151 REDMAN RD
MERIDIAN MS 39305-8428

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 . . . 9/09/14
Order Number . . . 2069 00

Phone Number . . 601 5454512

PRINTED NAME Bert Palmieri
SIGNATURE Bert Palmieri DATE 9/12/14

Shipping terms are F.O.B. destination, freight prepaid

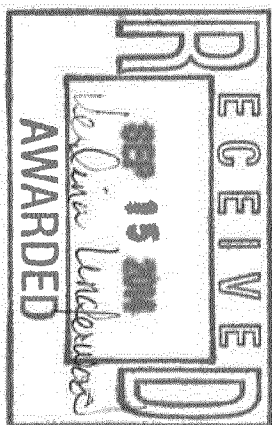
PROJECT LINE: 1800 RPE 208-230/430 VOLTS 60HZ MOTOR FRAME S LAGDON

1800RPM 208-230/430
VOLTS 60HZ MOTOR FRAME 254 T SERVICE FACTOR 1.25 US MOTOR
CATALOG #115P20

ITEM DESCRIPTION

Request Date	QTY	UNIT	Unit Price	Extended Cost	Delivery Date	Expired Date
07/10/14	20.00	EA	770.00	15,400	*	10/15/14

TOTAL BID PRICE 15,400



Accepted
LeDine Underwood

43530

662 453 0797
 S & N AIRFOLO INC
 1011 SYCAMORE
 GREENWOOD MS 38930-5070

CITY OF HATTIESBURG
 QUOTE REQUEST RESPONSE FORM

Page No. 9/09/14
 Date 2089 00

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

SEN Aircraft, Inc.

SIGNATURE

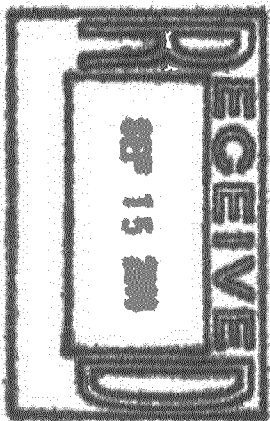
Carol Davis DATE 9/11/14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: 1800 RPM 208-230/430 VOLTS 60HZ MOTOR FRAME S.LAGCON

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
1800RPM 208-230/460 VOLTS 60HZ MOTOR FRAME 254 T SERVICE FACTOR 1.25 US MOTOR CATALOG #U15P2D	07/10/14	20.00	EA	794.00	15,880.00	9-15-14	90 days

TOTAL BID PRICE 15,880.00



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 09/15/14
PO No. 145970
Req No. 2109

VENDOR MAILING:
TRIPLE J CONSTRUCTION
1706 MT ZION ROAD
MAGEE MS 39111

JACKSON, STACY A
MINUTE BOOK # pending
VENDOR # 00095559

(601) 5454675

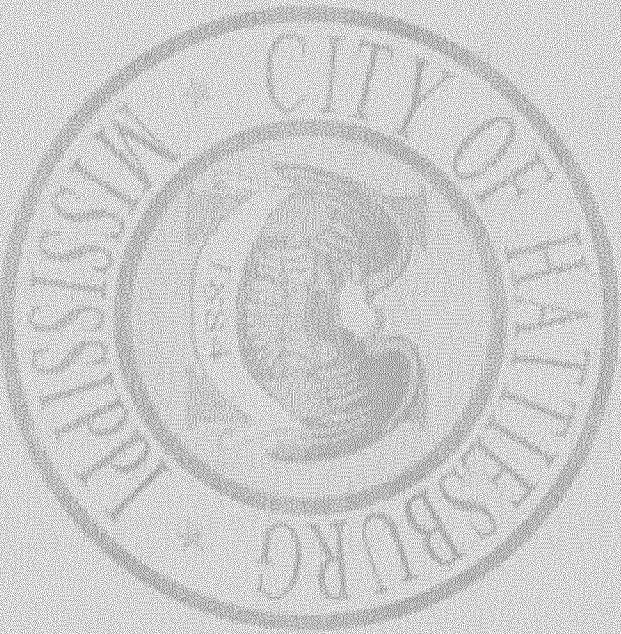
SHIP TO:
CITY OF HATTIESBURG
CITY HALL-DEPT. OF URBAN DEVELOPMENT
200 FORREST STREET - 1ST FLOOR
HATTIESBURG MS 39401

PROJECT LINE: ABESTOS REMOVAL OF 3 PROPERTIES

PROCESSING CODE:

SEND METHOD 1 (601)8490468

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001180.6014	922 ELIZABETH ST	1.00	EA	1,700.0000	1,700.00
001180.6014	802 WHITNEY ST	1.00	EA	1,600.0000	1,600.00
001180.6014	213 W 4TH ST	1.00	EA	1,800.0000	1,800.00



TOTAL CONTRACT AMOUNT NOT TO EXCEED

5,100.00

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

601 549 0468
TRIPLE J CONSTRUCTION
1706 MCZON ROAD
MAGE MS 39111

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST. 2ND FLOOR
PO BOX 1888
HATTIESBURG MS 39401

Page No. 9/11/14
Date - 9/11/14
Order Number 2109 02

P 1/1

Phone Number . . . 601 5454512

PRINTED NAME John Lee Hattiesburg

SIGNATURE [Signature] DATE 9/11/2014

Shipping terms are F.O.B. destination. freight prepaid

PROJECT LINE: ABESTOS REMOVAL OF 3 PROPERTIES

ITEM DESCRIPTION	Request Date	QTY	Unit	Unit Price	Extended Cost	Delivery Date	Expired Date
922 ELIZABETH ST	09/12/14	1.00	EA	1700.00	1700.00	9/14/14	9/14/14
802 WHITNEY ST	09/12/14	1.00	EA	1600.00	1600.00	9/14/14	9/14/14
213 W 4TH ST	09/12/14	1.00	EA	1800.00	1800.00	9/14/14	9/14/14
TOTAL BID PRICE					5100.00		



[Signature]
9/13/14



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

Date: September 15, 2014

From: Wiley Quinn, Jr.
Code Enforcement Division Manager

To: Stacy Jackson
Office Manager, Land Code Division

Subj: Asbestos Abatement Quotes

The quote received from Barnett Concrete Work, LLC, owned by Lemanuel Barnett, 137 Red Roan Road, Hattiesburg, MS 39402, was not accepted because this company did not provide documentation verifying a current license for certification for such services from the Mississippi Department of Environmental Quality, Office of Pollution Control.

Wiley Quinn, Jr.
Code Enforcement Division Manager
Department of Urban Development
City of Hattiesburg

Cc: Pattie Brantley, Director of Urban Development

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORMPage No. 1
Date 9/11/14
Order Number 2109 00barnett@222@yahoo.com
BARNETT CONCRETE WORK LLC
LEMANUEL AARON BARNETT
137 RED ROAN RD
HATTIESBURG MS 39402-7793CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401PRINTED NAME Lemanuel Barnett

Phone Number . . . 601 5454512

SIGNATURE Lemanuel Barnett DATE _____

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: ABESTOS REMOVAL OF 3 PROPERTIES

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
922 ELIZABETH ST	09/12/14	1.00	EA	1.00	1260	9-12-14	9-20-14
802 WHITNEY ST	09/12/14	1.00	EA	1.00	1734.50	9-12-14	9-21-14
213 W 4TH ST	09/12/14	1.00	EA	1.00	8100	9-12-14	9-21-14

TOTAL BID PRICE 5098.50

43530

0003/003

601 264 5344
SPECIALTY ABATEMENT SERVI
3 BLACKELL BLVD
PO BOX 15925
HATTIESBURG MS 39404-5925

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To

CITY OF HATTIESBURG
PURCHASING DIVISION
220 N FRONT ST. 2ND FLOOR
PO BOX 1598
HATTIESBURG MS 39401

Page No. 1
Date 9/11/14
Order Number 2109 00

PRINTED NAME James S Yawn II

Phone Number . . . 601 5454512

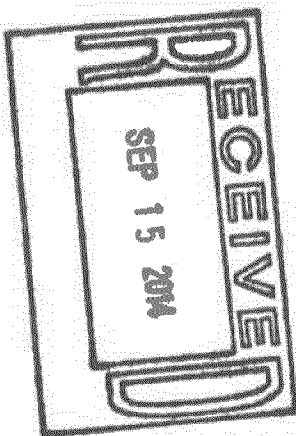
SIGNATURE James S Yawn II DATE 9-11-14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: ABESTOS REMOVAL OF 3 PROPERTIES

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
922 ELIZABETH ST	09/12/14	1.00	EA	\$5,585.00	NA	9-11-14	12-30-14
802 WHITNEY ST	09/12/14	1.00	EA	\$2,081.00	NA	9-11-14	12-30-14
213 W 4TH ST	09/12/14	1.00	EA	\$3,488.00	NA	9-11-14	12-30-14

TOTAL BID PRICE \$11,154.00



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 09/15/14

POINT OF CONTACT:

PO No. 146004
Req No. 2098

VENDOR MAILING:
ROPER SUPPLY CO LLC
801 N BEECH ST
PO BOX 367
PICAYUNE MS 39466-0367

ADAMO, JOHN

(601) 5454506

SHIP TO:
HATTIESBURG POLICE DEPT/NEW SERVICE CTR
721 KATIE AVE
HATTIESBURG MS 39401-

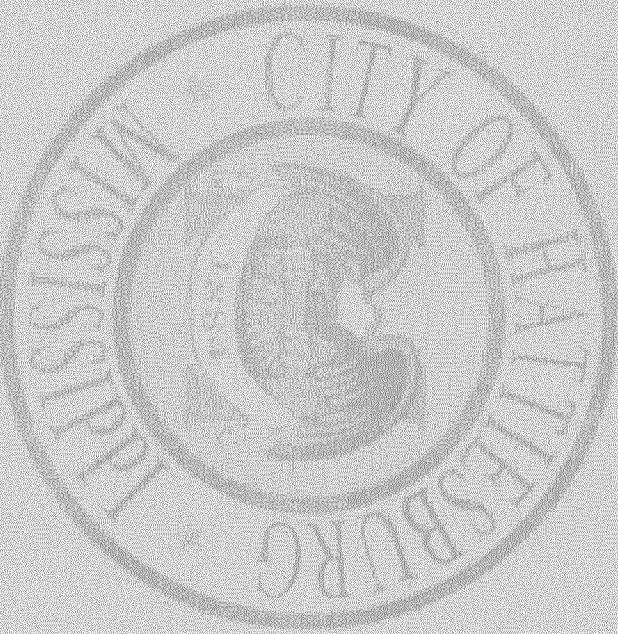
VENDOR # 00002055

PROJECT LINE: SIRENS FOR DETECTIVE CARS

PROCESSING CODE:

SEND METHOD 1 (601)7991211

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001100.5460	SOUETS4461HPP SOUNDOFF 400 SER HAND REMOTE SIREN 100W	5.00	EA	305.9000	1,529.50
001100.5460	SOUESS100L SOUNDOFF 100L SER 100 WATT SPEAKER	5.00	EA	139.0500	695.25
001100.5460	SOUESS100CEKDC11 SOUNDOFF 100 D SPEAKER BRACKET 12 CHARGER	5.00	EA	19.2500	96.25



TOTAL CONTRACT AMOUNT NOT TO EXCEED

2,321.00

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.

Call 779 1211
KOPPER SUPPLY CO. LLC
601 N. HEBB ST
PO BOX 367
PICAYUNE MS 39465-0367

CTT OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To: CITY OF HATTIESBURG
PURCHASING DIVISION
220 N. FRONT ST. 2ND FLOOR
PO BOX 1828
HATTIESBURG MS 39401

Page No. 1
Date 8/19/14
Order Number 2009 09

Phone Number 601 545512

Shipping terms are F.O.B. destination, freight prepaid

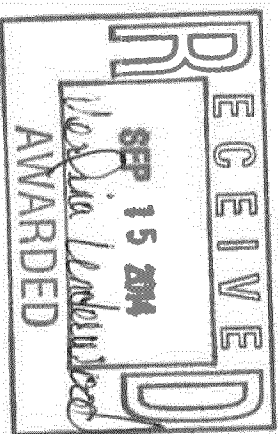
PRINTED NAME Morgan Lopez
SIGNATURE [Signature] DATE 8-15-14

PROJECT LINE/ SIMONS FOR DETECTIVE CARS

SOLETS/4618PP
SIMONS 400 5BR VAND BDRATE SIMN 100M
SOLETS/100L
SIMONS 100L SER 100 WATT SPEAKER
SOLETS/100DCL
SIMONS 100 D SPEAKER DRACKET 12 GRADES

Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expiry Date
08/15/14	5.00	EA	206.43	1032.15	21 days	10-15-14
08/15/14	3.00	EA	139.05	417.15	21 days	10-15-14
08/15/14	5.00	EA	192.25	961.25	21 days	10-15-14

TOTAL BID PRICE 2390.55



Delivery 14-21 days AEO Total order
I have some stock for
immediate delivery
[Signature]

09/15/2014 MON 3:28 FAX 6015456661 Hattiesburg Purchasing

09/15/2014

43530

~~601 377 901 377 5633~~
 FLEET SAFETY EQUIPMENT IN
 5090 WILFONG RD
 MEMPHIS TN 38134-5641

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 601 545-1512

Shipping terms are F.O.B. destination, freight prepaid

PRINTED NAME

David Lyle

SIGNATURE

David Lyle

DATE 9/15/14

PROJECT LINE: SIRENS FOR DETECTIVE CARS

ITEM DESCRIPTION

SOUNDOFF 400 SER HAND REMOTE SIREN 100W

Request Date

QTY

UM

Unit Price

Extended Cost

Delivery Date

Expired Date

08/15/14

5.00

EA

590.00

2950.00

9/15/14

12/30/14

08/15/14

5.00

EA

Z60

1300.00

9/15/14

12/30/14

08/15/14

5.00

EA

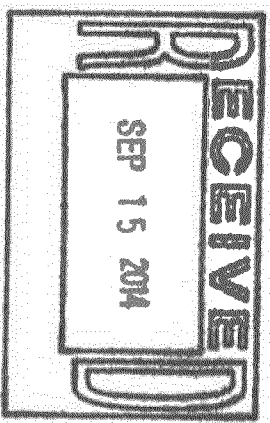
30.00

150.00

9/15/14

12/30/14

TOTAL BID PRICE 4,400.00



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:
 PO No. - 146040
 Date - 09/17/14
 Req No. - 2087

VENDOR MAILING:
 STUART C IRBY CO
 1314 W PINE ST
 HATTIESBURG MS 39401-6338

WILLIAMS, TERESA
 MINUTE BOOK # PENDING
 VENDOR # 90001647

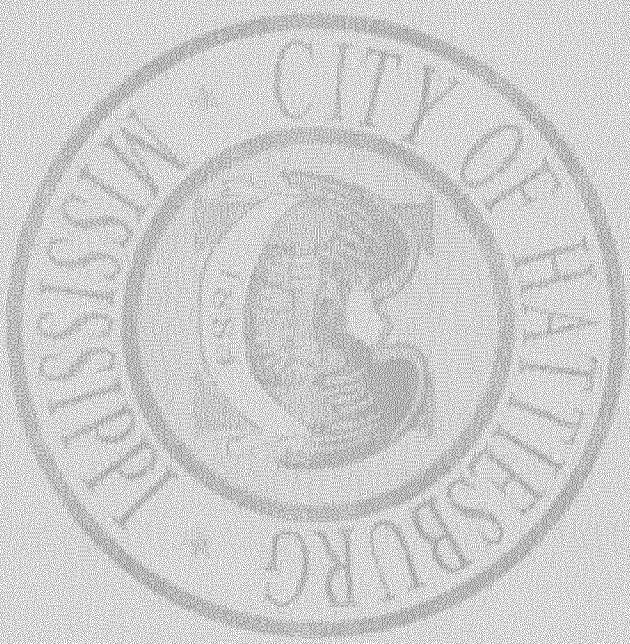
(601) 5454630
 SHIP TO :
 CITY OF HATTIESBURG
 WATER PLANT #2
 900 JAMES STREET
 HATTIESBURG MS 39401

PROCESSING CODE:

PROJECT LINE: 6/4 SO CORD UNCLUT ON ONE CONTINUOUS ROLL

SEND METHOD 1 (601)5453178

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
009677.7399	6/4 SO CORD UNCLUT ON ONE CONTINUOUS ROLL	5000.00	EA	2.3750	11,875.00



TOTAL CONTRACT AMOUNT NOT TO EXCEED

11,875.00

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.

601 545 2476
STUART C IRBY CO
1314 W PINE ST
HATTIESBURG MS 39401-6338

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

CITY OF HATTIESBURG
PURCHASING DIVISION
220 W PINE ST 2ND FLOOR
PO BOX 1388
HATTIESBURG MS 39401

Page No. 9/08/14
Date 2087 CO
Order Number

Phone Number 601 5454512

PRINTED NAME CARL GARNER

SIGNATURE Carl Garner DATE 9-12-2014

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: 6/4 SO CORO UNCT ON ONE CONTINUOUS ROLL

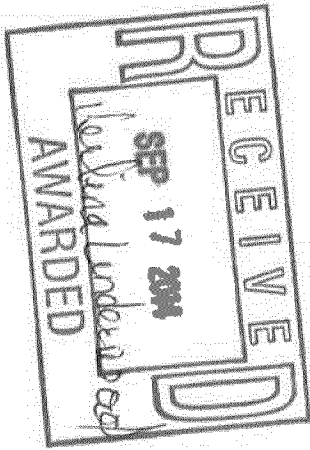
ITEM DESCRIPTION
6/4 SO CORO UNCT ON ONE CONTINUOUS ROLL

Request Date	QTY	UNIT	Unit Price	Extended Cost	Delivery Date	Expired Date
08/26/14	5000.00	EA	11,875.00	11,875.00	10/26/14	9-19-2014

TOTAL BID PRICE 11,875.00

Accepted

Carl Garner



43530

CITY OF HATTIESBURG
 QUOTE REQUEST RESPONSE FORM

Page No. 1
 Date - 9/08/14
 Order Number 2087 00

601 544 7085
 GARNER LUMLEY ELECTRIC SU
 318 E PINE ST
 PO BOX 1288
 HATTIESBURG MS 39403-1288

CITY OF HATTIESBURG
 PURCHASING DIVISION
 220 W FRONT ST. 2ND FLOOR
 PO BOX 1898
 HATTIESBURG MS 39401

Mail To.
 Phone Number 601 5454512

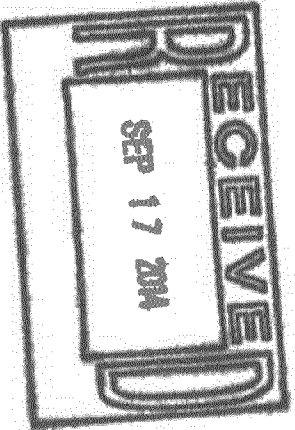
PRINTED NAME Wayne Garner
 SIGNATURE Wayne Garner DATE 9/16/14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: 6/4 SO CORD UNCUT ON ONE CONTINUOUS ROLL

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
6/4 SO CORD UNCUT ON ONE CONTINUOUS ROLL	06/26/14	5000.00	EA	2.47/ft	124350	10/01/14	10/21/14

TOTAL BID PRICE 124,350



BILL TO:
CITY OF HATTIESBURG
ACCOUNTING DEPT
PO BOX 1898
HATTIESBURG, MS 39403-1898
FAX INVOICE TO: 601-584-4895

CITY OF HATTIESBURG
P U R C H A S E O R D E R
THE CITY IS NOT LIABLE FOR SALES TAX ID# 64-6000432

Page 1
Date 09/18/14

PO No. 146059
Req No. 2103

VENDOR MAILING:
STUART C IRBY CO
1314 W PINE ST
HATTIESBURG MS 39401-6338

GRIFFIN, FRANCES
MINUTE BOOK # PENDING
VENDOR # 90001647
(601) 5454654

SHIP TO :
CITY OF HATTIESBURG
MERCHANDISE ORDERED WILL BE PICKED UP

PROJECT LINE: LED LIGHT CONVERSION IN THE PINE STREET PARKING GARAGE

PROCESSING CODE: (601)5453178

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001560.6350	PGL LED SERIES 60 LED PARKING GARAGE LUMINAIRE PLATINUM SILVER FINISH 120 V 5K LED COLOR TEMP	69.00	EA	371.0000	25,599.00
001560.6350	PB2 PS P INCLUDED BALANCED PENDANT JBOX BIRD SHROUD	69.00	EA	37.2800	2,572.32
001560.6350	COF1 5545 WHT 1/2X12 GALV COND NPL	69.00	EA	3.3500	231.15
001560.6350	CRH1 RE21 3/4X1/2 RED	69.00	EA	1.5700	108.33
001560.6350	THEP TP322 4IN FLAT OCT BOX CVR	190.00	EA	.4500	85.50
001560.6350	CUW1 12 THHN STR BLK 500 SPOOL	500.00	EA	.1142	57.10
001560.6350	CUW1 12 THHN STR WHT 500 SPOOL ALTERNATIVE UOM FT 1 RL 500 FT	500.00	EA	.1142	57.10
001560.6350	GRN 500 SPOOL 22968201	500.00	EA	.0850	42.50
001560.6350	IDEAL 30 652 SIZE 452 RED WIRECONN 500 BAG	500.00	EA	.0950	47.50
001560.6350	IDEAL 30 641 341 WIRECON TAN 500 / B	500.00	EA	.0950	47.50
001560.6350	DUL1 LEDIACRWW VNL ALUM TXIT SIGN RED RED WHT WHT	4.00	EA	138.4000	553.60
001560.6350	DUL1 EZ 2 CONN EM LIGHT 6V 10W	5.00	EA	41.2000	206.00
001560.6350	CODE MAXL MAXLITE TO 100W INCANDESCENT 4100K	3.00	EA	29.0000	87.00
001560.6350	CODE MAXL MAXLITE TO 150W PAR38 FLOOD 5000K	6.00	EA	41.0000	246.00
001560.6350	CULL 52416J 8 32X1	100.00	EA	.0210	2.10

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

Page 2
Date 09/18/14

POINT OF CONTACT:

PO No. 146059
Req No. 2103

GRIFFIN, FRANCES

(601) 5454654

SHIP TO :
CITY OF HATTIESBURG
MERCHANDISE ORDERED WILL BE PICKED UP

VENDOR MAILING:
STUART C IRBY CO
1314 W PINE ST
HATTIESBURG MS 39401-6338

VENDOR # 90001647

PROCESSING CODE:

PROJECT LINE: LED LIGHT CONVERSION IN THE PINE STREET PARKING GARAGE

SEND METHOD 1 (601)5453178

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001560.6350	RHMS SLOT PHIL 3M 33 SUPER 3 4X66 FT VINYL TAPE 3/	6.00	EA	4.5600	27.36



TOTAL CONTRACT AMOUNT NOT TO EXCEED

29,979.66

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

601 545 3177
STUART C IRBY CO
1314 E PINE ST
HATTIESBURG MS 39401-6338

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 9/08/14
Order Number 2103 00

Attn: Frances

Phone Number 601 5454512

PRINTED NAME Tom Garvey
SIGNATURE [Signature] DATE 9/12/2014

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: LED LIGHT CONVERSION IN THE PINE STREET PARKING GARAGE

ITEM DESCRIPTION	Request Date	QTY	EA	Unit Price	Extended Cost	Delivery Date	Expired Date
FGI LED SERIES 60 LED PARKING GARAGE LUMINAIRE PLATINUM SILVER FINISH 120 V SR LED COLOR TEMP	09/03/14	69.00	EA	371.00	25,599.00	11/17/14	10/9/2014
PS P INCLUDED BALANCED PENDANT 3BOX BIRD SHROUD	09/03/14	69.00	EA	372.28	25,712.32	11/17/14	10/9/2014
COF1 5545 WHT 1/2X12 GALV COND NPL	09/03/14	69.00	EA	3.35	231.15	10/13/14	11/12/14
CRH1 RE21 3/4X1/2 RED	09/03/14	69.00	EA	1.57	108.33	9/16/14	11/12/14
THP TP322 4IN FLAT OCT BOX CWR	09/03/14	190.00	EA	.45	85.50	9/16/14	11/12/14
CUW1 12 THIN STR BLK 500 SPOOL	09/03/14	500.00	EA	.1142	57.10	9/16/14	9/18/14
CUW1 12 THIN STR WHT 500 SPOOL ALTERNATIVE UOH FT 1 RL 500 FT	09/03/14	500.00	EA	.1142	57.10	9/16/14	9/18/14
CUW1 12 THIN STR GRN 500 SPOOL 22968201	09/03/14	500.00	EA	.1142	57.10	9/16/14	9/18/14

1,1256 EA
After 9/18/14

Please confirm receipt of fax

Received

From: Irby Electrical Distributors 6015448410

09/12/2014 14:35

#276 P.002/002

09/08/2014 MON 8:35 FAX 6015456661 Hattiesburg Purchasing

0004/004

43630

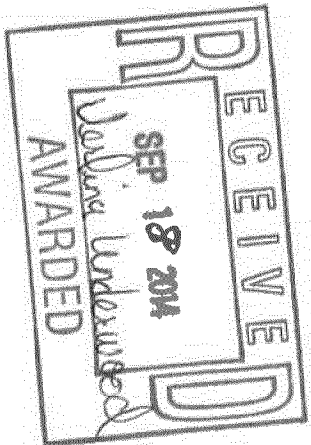
Stuart L. By

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 2
Date 9/08/14
Order Number 2103 00

PROJECT LINE: LED LIGHT CONVERSION IN THE PINE STREET PARKING GARAGE

ITEM DESCRIPTION	Request Date	QTY	UN	Unit Price	Extended Cost	Delivery Date	Expired Date
IDEAL 30 652 SIZE 452 RED WIRECON 500 BAG	09/03/14	500.00	EA	.085	42.50	9/16/14	11/11/14
IDEAL 30 641 341 WIRECON TAN 500 / B	09/03/14	500.00	EA	.095	47.50	9/16/14	11/12/14
DUL LEDIACRY VNL FLUO TIT SIGN RED RED FRT WHT	09/03/14	4.00	EA	138.40	553.60	10/15/14	11/12/14
DUL E2 2 CORR EN LIGHT 6V 10W	09/03/14	5.00	EA	41.20	206.00	10/15/14	11/12/14
CODE MEXL MEXLITE TO 100W INCANDESCENT 4100K	09/03/14	3.00	EA	29.00	87.00	10/15/14	11/12/14
CODE MEXL MEXLITE TO 150W PAR38 FLOOD 5000K	09/03/14	6.00	EA	41.00	246.00	10/15/14	11/12/14
CIVL 524181 8 32EL E2HS 500W PHIL	09/03/14	105.00	EA	.021	2.10	9/16/14	11/12/14
3W 38 SUPER 3 4X66 FT VINYL TAPE 3/	09/03/14	8.00	EA	4.56	27.36	9/16/14	11/12/14



TOTAL BID PRICE

\$ 29,979.66

76161616

John Gaver
9/16/14

43530

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date 9/08/14
Order Number 2103 00

601 544 7085
GARNER LUMLEY ELECTRIC SU
318 E PINE ST
PO BOX 1288
HATTIESBURG MS 39403-1288

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

MAURICE GARNER

SIGNATURE

Maurice Garner

DATE

9/16/14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: LED LIGHT CONVERSION IN THE PINE STREET PARKING GARAGE

ITEM DESCRIPTION	Request Date	QTY	UNIT	Unit Price	Extended Cost	Delivery Date	Expired Date
PGL LED SERIES 60 LED PARKING GARAGE LUMINAIRE PLATINUM SILVER FINISH 120 V 5K LED COLOR TEMP	09/03/14	69.00	EA	415.90/ea	28,787.10	3 weeks	
PB2 PS P INCL LED BALANCED PENDANT JBOX BIRD SHROUD	09/03/14	69.00	EA	41.00/ea	2829.00	3 weeks	
COF1 5545 WHI 1/2X12 GALV COND NPL	09/03/14	69.00	EA	60/ea	41.40	Stock	1 week
CRH1 RE21 3/4X1/2 RED	09/03/14	69.00	EA	1.25/ea	86.25	Stock	1 week
TRHP TP322 4IN FLAT OCT BOX CVR	09/03/14	190.00	EA	46/ea	8740	Stock	1 week
CUW1 12 THHN STR BLK 500 SPOOL	09/03/14	500.00	EA	0.12/ft	60.00	Stock	1 week
CUW1 12 THHN STR WHI 500 SPOOL ALTERNATIVE UOM FT 1 RL 500 FT	09/03/14	500.00	EA	0.12/ft	60.00	Stock	1 week
CUW1 12 THHN STR GRN 500 SPOOL 22968201	09/03/14	500.00	EA	0.12/ft	60.00	Stock	1 week

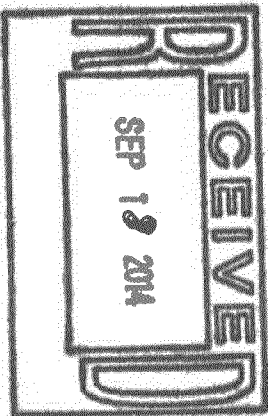
PROJECT LINE: LED LIGHT CONVERSION IN THE PINE STREET PARKING GARAGE

43330

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORMPage No. 2
Date 9/08/14
Order Number 2103 00

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
IDEAL 30 652 SIZE 452 RED WIRECONN 500 BAG	09/03/14	500.00	EA	.08/ea	40.00	stock/week	
IDEAL 30 641 341 WIRECONN TAN 500 / B	09/03/14	500.00	EA	.10/ea	50.00	stock/week	
DULI LEDIACREW VNL ALUM TXIT SIGN RED RED WHT WHT	09/03/14	4.00	EA	90.00/ea	360.00	2-3 weeks	
DULI EZ 2 CONN EM LIGHT 6V 10W	09/03/14	5.00	EA	85.00/ea	425.00	2-3 weeks	
CODE MAXI MAXI-LITE TO 100W INCANDESCENT 4100K	09/03/14	3.00	EA	35.00/ea	105.00	2-3 weeks	
CODE MAXI MAXI-LITE TO 150W PAR38 FLOOD 5000K	09/03/14	6.00	EA	40.00/ea	240.00	2-3 weeks	
CUL1 52416J 8 32X1 RHMS SLOT PHIL	09/03/14	100.00	EA	.05/ea	5.00	stock/week	
3M 33 SUPER 3 4X66 FT VINYL TAPE 3/	09/03/14	6.00	EA	3.91/ea	23.46	stock/week	

TOTAL BID PRICE 33,169.61



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 - 09/18/14

POINT OF CONTACT:

PO No. - 146062
Req No. - 2100

VENDOR MAILING:
STUART C IRBY CO
314 W PINE ST
HATTIESBURG MS 39401-6338

PONDER, MATTIE
MINUTE BOOK # PENDING
VENDOR # 90001647
(601) 5454626

SHIP TO :
CITY OF HATTIESBURG
TRAFFIC/CONSTRUCTION
125 WALNUT ST
HATTIESBURG MS 39401

PROCESSING CODE:

PROJECT LINE: DOWNTOWN ST. LIGHTS

SEND METHOD 1 (601)5453178

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001207.5991.02	SYLV 78882 LED70 RETROFIT/750/T5M/D6/HP KIT NOTE: SYLVANIA ONLY, NOT EQUAL OR SUBSTITUTE	6.00	EA	425.0000	2,550.00
001207.5991.02	STERBERG A850A/5P/PT/9315TO-DMB/NO BALLAST OR OPTICS/2-GFI/DBA/SH/ PEC/BKT NO LAMP. COMPLETE ASSEMBLY LESS BALLAST & OPTICAL ASSEMBLY NOTE: NOT EQUAL, NO SUBSTITUTE / STERNBERG ONLY	6.00	EA	3,541.8300	21,250.98



TOTAL CONTRACT AMOUNT NOT TO EXCEED

23,800.98

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.

09/18/2014 THU 9:10 FAX 6015456661 Hattiesburg Purchasing

002/003

From: Irby Electrical Distributors 6015448410

08/27/2014 10:31

#263 P.001/001

08/26/2014 TUE 8:23 FAX 6015456661 Hattiesburg Purchasing

003/003

43530

64 545 3711
STUART C. IRBY CO
1314 N. PINE ST.
HATTIESBURG MS 39401-5338

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Mail To

CITY OF HATTIESBURG
PURCHASING DIVISION
220 N. FRONT ST. 2ND FLOOR
PO BOX 1895
HATTIESBURG MS 39401

Page No. 1
Date 8/26/14
Order Number 2100 00

Phone Number . . . 601 5454512

Shipping terms are F.O.B. destination, freight prepaid

PRINTED NAME

Tammy Sledge

SIGNATURE

Tammy Sledge

DATE 8-26-14

PROJECT LINE: DOMINION ST. LIGHT.

ITEM DESCRIPTION	Request Date	QTY	Unit	Unit Price	Extended Cost	Delivery Date	Expired Date
SYLV 78882 LED/0 REINFORCED/750/15M/D6/HP KIT NOTE: SYLVANIA ONLY. NOT EQUAL TO SUBSTITUTION	08/25/14	6.00	EA	425.00	2550.00	10-1-14	12-31-14

SUBSTITUTIONS:
AS 304/304/PT/304/510-1MB/NO BAL. 45T OR OFFICE 1/2-671/DBA/SH/
150/45T/NO LAMP. COMPLETE ASS. WITH LESS BAL. 45T & OPTICAL
ASS. ONLY.
NOTE: NOT EQUAL. NO SUBSTITUTION. SERRINBERG ONLY

6.00 EA

3,541.83

21,251.00

10-20-14 - 12-31-14

TOTAL BID PRICE 23,801.00

23,800.96



Douglas Wicklund

43530

CITY OF HATTIESBURG
 QUOTE REQUEST RESPONSE FORM

Page No. 9/08/14
 Date 2100 00
 Order Number

Garner Lumley Elec
 318 E PINE ST
 PO BOX 1288
 HATTIESBURG MS 39403-1288

CITY OF HATTIESBURG
 PURCHASING DIVISION
 220 W FRONT ST 2ND FLOOR
 PO BOX 1898
 HATTIESBURG MS 39401

Mail To.
 Phone Number . . 601 5454512

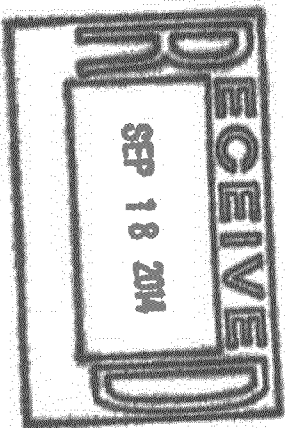
PRINTED NAME Wayne Garner
 SIGNATURE Wayne Garner DATE _____

Shipping terms are F.O.B. destination. freight prepaid

PROJECT LINE: DOWNTOWN ST. LIGHTS

ITEM DESCRIPTION	Request Date	QTY	Unit	Unit Price	Extended Cost	Delivery Date	Expired Date
SYLV 78882 LED70 RETR0F17/750/15W/D6/HP KIT NOTE: SYLVANIA ONLY. NOT EQUAL OR SUBSTITUTE	08/25/14	6.00	EA	500.00	3000.00	3-4 weeks	10/12/14
STERBERG A850A/5P/PT/9315TO-DNB/NO BALLAST OR OPTICS/2-GFI/DBA/SH/ REC/BET NO LAMP. COMPLETE ASSEMBLY LESS BALLAST & OPTICAL ASSEMBLY NOTE: NOT EQUAL, NO SUBSTITUTE / STERNBERG ONLY	08/25/14	6.00	EA	445.00	2670.00	8-10 weeks	10/12/14

TOTAL BID PRICE 32,100



BILL TO:
 CITY OF HATTIESBURG
 ACCOUNTING DEPT
 PO BOX 1898
 HATTIESBURG, MS 39403-1898
 FAX INVOICE TO: 601-584-4895

PO No. 146946
 Req No. 2112

VENDOR MAILING:
 INSIGHT PUBLIC SECTOR
 105 W 5TH AVE
 TALLAHASSEE FL 32303

SANFORD, ANGELA
 MINUTE BOOK # pending
 VENDOR # 90065967

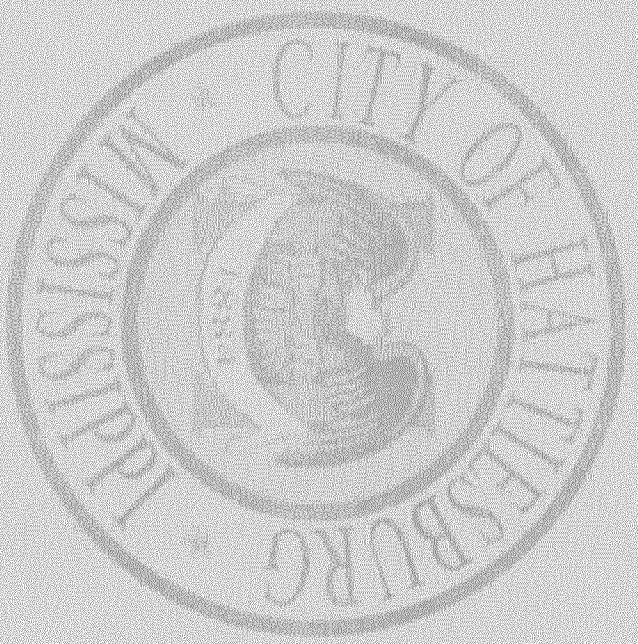
(601) 5454560

SHIP TO :
 CITY OF HATTIESBURG
 INFORMATION TECHNOLOGY DIVISION
 200 FORREST STREET - 1ST FLOOR
 HATTIESBURG MS 39401

PROCESSING CODE:

PROJECT LINE: PRINTERS & CARD READERS FOR E CITATIONS

Account #	Description	QTY	UM	UNIT COST	TOTAL COST
001091.7327	ESEEEK M260 MODEL 260 2D BARCODE & MAGNETIC CARD READER	40.00	EA	394.8700	15,794.80
001091.7327	BROTHER POCKET JET6 BROTHER POCKETJET 6 PRINTER & POWER ADAPTER FOR AUTOMOBILES	40.00	EA	293.8100	11,752.40



TOTAL CONTRACT AMOUNT NOT TO EXCEED

27,547.20

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.

48399

INSIGHT PUBLIC SECOR
105 W. 5TH AVE
TALLAHASSEE, FL 32306

CITY OF HATTIESBURG
QUIN RODRIGUEZ NEWMARKS FORM

1221 40.

CITY OF HATTIESBURG
Purchasing Division
1220 W. PRONG ST. 2ND FLOOR
PO BOX 1393
HATTIESBURG MS 39401

Page No. : 10/15/14
Date : 2112-00
Order Number :

Faith Shalyah

Phone Number : 601 5454512

PRINTED NAME

SIGNATURE

DATE 10/16/14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: PRINTERS & CARD READERS FOR E. CLIFFORDS

ITEM DESCRIPTION

ESSEX 12300
MODEL 280 20 BARCODE & MAGNETIC CARD READERS.

Request Date	QTY	UNIT	Unit Price
10/15/14	40.00	EA	\$294.87
			344.97

Extended Cost	Delivery Date	Expired Date
\$11,794.80	11/17/14	

PRINTER ROCKET 1206
BROTHER ROCKET 6 PRINTER & POWER ADAPTER FOR AUTOMATED

Request Date	QTY	UNIT	Unit Price
10/15/14	40.00	EA	\$294.87
			344.97

243.61

TOTAL BIP PRICE \$27,547.20

27547.20



CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORMPage No. 1
Date 10/15/14
Order Number 2112 00C D W GOVERNMENT
120 S RIVERSIDE
CHICAGO IL 60606-3913Mail To.
CITY OF HATTIESBURG
PURCHASING DIVISION
220 W FRONT ST. 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Phone Number . . 601 5454512

PRINTED NAME

Jordan Mycoils

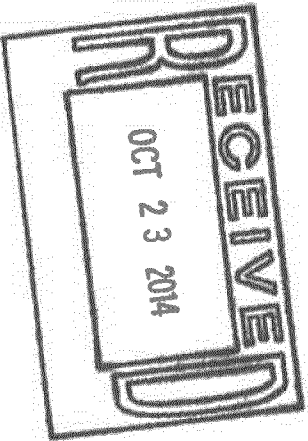
SIGNATURE

Je MuelDATE 10-16-2014

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: PRINTERS & CARD READERS FOR E CITATIONS

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
ESPEK M260 MODEL 260 2D BARCODE & MAGNETIC CARD READER	10/15/14	40.00	EA	490.00	19,600.00	<u>10-17-2014</u>	
BROTHER POCKET JET6 BROTHER POCKETJET 6 PRINTER & POWER ADAPTER FOR AUTOMOBILES	10/15/14	40.00	EA	332.00	13,280.00	<u>11-17-2014</u>	
TOTAL BID PRICE					<u>32,880.00</u>		

30 days after order

43530

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date 10/15/14
Order Number 2112 00

SOUTH MS BUSINESS MACHINE
6401 US HWY 49
PO BOX 15188
HATTIESBURG MS 39404-5188

Mail To
CITY OF HATTIESBURG
PURCHASING DIVISION
220 N FRONT ST. 2ND FLOOR
PO BOX 1898
HATTIESBURG MS 39401

Phone Number . . 601 5454512

PRINTED NAME LEONARD HILL

SIGNATURE

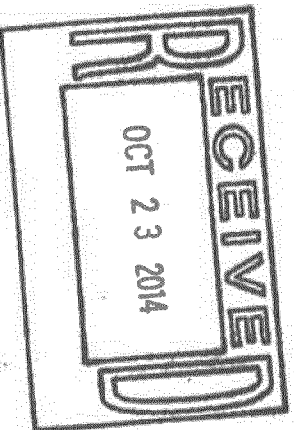
Leonard Hill DATE 10/17/14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE: PRINTERS & CARD READERS FOR E CITATIONS

ITEM DESCRIPTION	Request Date	QTY	UM	Unit Price	Extended Cost	Delivery Date	Expired Date
ESEK M260 MODEL 260 2D BARCODE & MAGNETIC CARD READER	10/15/14	40.00	EA	\$494.50	\$19,780.00	10/31/14	10/31/14
BROTHER POCKET JET16 BROTHER POCKETJET 6 PRINTER & POWER ADAPTER FOR AUTOMOBILES	10/15/14	40.00	EA	\$362.00	\$14,484.00	10/31/14	10/31/14

TOTAL BID PRICE \$34,264.00



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 10/23/14

POINT OF CONTACT:

PO No. 146975
Req No. 2111

VENDOR MAILING:
BUCK SULLIVAN REPAIR SHOP INC
BUCK SULLIVAN INC
1022 UNIVERSITY BLVD
JACKSON MS 39204

WILLIAMS, TERESA
MINUTE BOOK # PENDING
VENDOR # 00018445

(601) 5454630

SHIP TO :
CITY OF HATTIESBURG
MERCHANDISE ORDERED WILL BE PICKED UP

PROJECT LINE: SPECIFICATION FOR SERVICE BODY

PROCESSING CODE:

SEND METHOD 1 (601)3527643

Account #

Description

QTY

UM

UNIT COST

TOTAL COST

009672.7420

SPECIFICATION FOR

2.00

EA

8,200.0000

16,400.00

SERVICE BODY-1. KNAPHEIDE 6108DJ SERVICE BODY OR EQUIVALENT
2. HEAVY DUTY RECEIVER HITCH WITH 12,000 POUND COMBINATION
PINPLE HITCH AND 2" BALL INSERT WITH 7-WAY PLUG 3. OVERHEAD
MATERIAL RACK OVER CAB PAINTED BLACK 4. SERVICE BODY INSTAL
LED ON TRUCK PAINTED WHITE TO MATCH 5. TRUCKS ARE CHEVROLET
1 TON CHASSIS & CAB WITH A 60 CA



TOTAL CONTRACT AMOUNT NOT TO EXCEED

16,400.00

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.

4530

601 352 7643

MARK SULLIVAN REPAIR SHOP
MARK SULLIVAN INC
1022 UNIVERSITY BLVD
JACKSON MS 39204

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 10/14/14
Date 2014
Order Number 2011 02

CITY OF HATTIESBURG
PURCHASING DIVISION
220 N FRONT ST 2ND FLOOR
PO BOX 1066
HATTIESBURG MS 39401

Phone Number . . 601 5454512

PRINTED NAME Albert Conerly

SIGNATURE Albert Conerly DATE 10-17-14

Shipping terms are F.O.B. destination, freight prepaid

PROJECT LINE SPECIFICATION FOR SERVICE BODY

ITEM DESCRIPTION

Request Date

QTY

UN

Unit Price

Extended Cost

Delivery Date

Expired Date

10/10/14

2.00

EA

\$1,200.00

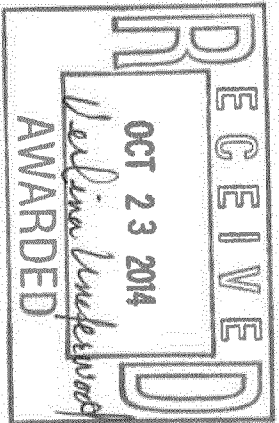
\$16,400.00

See attached quote

SPECIFICATION FOR SERVICE BODY
1. ENAMEL BLENDED SERVICE BODY OR EQUIVALENT
2. HEAVY DUTY SOLID BUILT WITH 12.000 POUND OR EQUIVALENT
3. PLATE BUILT AND 2" BOLT INSIDE WITH 7-1/2" HOLE 3 OVERHUNG
4. ALUMINUM BOLT OVER CAB PAINTED BLACK
5. SERVICE BODY INSIDE
6. ON TRUCK PAINTED WHITE TO MATCH
7. TRUCKS ARE CHEVROLET
8. 1000 CASSIS & CAB WITH A 80 CA

Albert Conerly
Albert Conerly

TOTAL BID PRICE \$16,400.00



Purchasing

0003/003

43530

601 861 9645
H & H CHIEF SALES
PO BOX 455
CARTHAGE MS 39051

CITY OF HATTIESBURG
QUOTE REQUEST RESPONSE FORM

Page No. 1
Date 10/14/14
Order Number 2111 00

Mail To CITY OF HATTIESBURG
PURCHASING DIVISION
220 N FRONT ST. 2ND FLOOR
PO BOX 1598
HATTIESBURG MS 39401

Phone Number . . 601 5454512

PRINTED NAME John H. Chief Sales, Inc.

SIGNATURE [Signature] DATE 10-20-14

Shipping terms are F.O.B. destination, freight prepaid

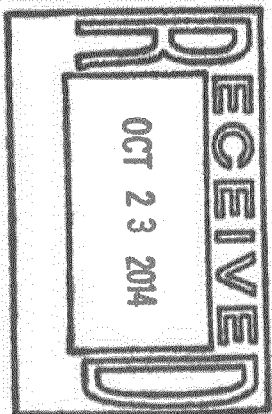
PROJECT LINE: SPECIFICATION FOR SERVICE BODY

ITEM DESCRIPTION

SPECIFICATION FOR SERVICE BODY OR EQUIVALENT
1. KNAPHEIDE 610SDJ SERVICE BODY OR EQUIVALENT
2. HEAVY DUTY RECEIVER HITCH WITH 12,000 LBS COMBINATION
PINTLE HITCH AND 2. BALL INSERT WITH 7-WAY PLUG 3. OVERHEAD
MATERIAL BACK OVER CAB PAINTED BLACK. 4. SERVICE BODY INSTALLED
ON TRUCK PAINTED WHITE TO MATCH. 5. TRUCKS ARE CHEVROLET
1 TON CHASSIS & CAB WITH A 60 CA

Request Date	QTY	Unit	Unit Price	Extended Cost	Delivery Date	Expired Date
10/10/14	2.00	EA	8,300.00	16,600.00	10 weeks	90 days

TOTAL BID PRICE 16,600.00





City of Hattiesburg, MS

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

Master

File Number: 2014-1479

File ID: 2014-1479

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/28/2014

Brief Title: FY 2013-2014 Hattiesburg Youth Soccer Association
Expenditure Report

Final Action:

Minute Book Number: MB2014-333

Title:

Acknowledge receipt of FY 2013-2014 Expenditure Report from
Hattiesburg Youth Soccer Association for HYSA Soccer Program.

Notes:

Sponsors:

Enactment Date:

Attachments: 2014 Hattiesburg Youth Soccer Expenditure Report

Enactment Number:

Contact:

Meeting Date: 11/04/2014

Drafter: Ann Jones

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014					

Text of Legislative File 2014-1479

Title

Acknowledge receipt of FY 2013-2014 Expenditure Report from Hattiesburg Youth Soccer
Association for HYSA Soccer Program.

Summary

Acknowledgement

Budget Information

Expenditure Type

Purchasing Item

Publication Information

City of Hattiesburg, MS
Expenditure Worksheet for Hattiesburg Youth Soccer Association
Equipment Purchases and Related Expenses to Run Program
September 1, 2013 through August 31, 2014

Vendor	Amount	Description
Pine Belt Soccer Referee Association	28,486.16	Referee Fees
Third Coast Soccer	<u>1,051.80</u>	Goals/Nets
	<u>29,537.96</u>	

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
	Transaction Number	Transaction Description	Debit	Credit	Balance
		Starting Balance			\$ 56.53
9/10/2013 10:55	6555786	Upload Funds into RefPay (EFT)		5,000.00	\$ 5,056.53
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611098	1530,1544,1555,1560,1574, Additions & Deductions \$0.00, deduction1099 \$0.00, Acred, Jr, Adam (AJ)	\$ 92.00		\$ 4,964.53
9/10/2013 17:34	6611098	Processing Fee	\$ 1.06		\$ 4,963.47
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611102	1521,1532,1555,1562,1571, Additions & Deductions \$0.00, deduction1099 \$0.00, Anderson, Luke	\$ 97.00		\$ 4,866.47
9/10/2013 17:34	6611102	Processing Fee	\$ 1.06		\$ 4,865.41
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611106	1521,1544,1548,1559,1571, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 92.00		\$ 4,773.41
9/10/2013 17:34	6611106	Processing Fee	\$ 1.06		\$ 4,772.35
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611110	1521,1531,1545,1550,1559,1574, Additions & Deductions \$0.00, deduction1099 \$0.00, Farley, Nathan	\$ 175.00		\$ 4,597.35
9/10/2013 17:34	6611110	Processing Fee	\$ 1.33		\$ 4,596.02
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611114	1525,1540,1558,1568,1576, Additions & Deductions \$0.00, deduction1099 \$0.00, Fortenberry, Sarah	\$ 112.00		\$ 4,484.02
9/10/2013 17:34	6611114	Processing Fee	\$ 1.06		\$ 4,482.96
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611118	1530,1539,1555,1570,1575, Additions & Deductions \$0.00, deduction1099 \$0.00, Goyette, Ed	\$ 155.00		\$ 4,327.96
9/10/2013 17:34	6611118	Processing Fee	\$ 1.33		\$ 4,326.63
		(102332)Association:PBSOA, Games 1533,1545,1563, Additions & Deductions \$0.00, deduction1099 \$0.00, Goyette, Nathan			
9/10/2013 17:34	6611122	Goyette, Nathan	\$ 52.00		\$ 4,274.63
9/10/2013 17:34	6611122	Processing Fee	\$ 0.91		\$ 4,273.72
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611126	1522,1531,1543,1549,1567, Additions & Deductions \$0.00, deduction1099 \$0.00, Green, Jourdan	\$ 84.00		\$ 4,189.72

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/10/2013 17:34	6611126	Processing Fee	\$ 1.06		\$ 4,188.66
		(102332)Association:PBSOA, Games 1522,1531,1566, Additions & Deductions \$0.00, deduction1099 \$0.00, Gunter, Rayna			
9/10/2013 17:34	6611130	Processing Fee	\$ 52.00		\$ 4,136.66
9/10/2013 17:34	6611130	(102332)Association:PBSOA, Games 1529,1538,1551,1568, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan	\$ 0.91		\$ 4,135.75
9/10/2013 17:34	6611134	Processing Fee	\$ 56.00		\$ 4,079.75
9/10/2013 17:34	6611134	(102332)Association:PBSOA, Games 1525,1544,1558,1570,1576, Additions & Deductions \$0.00, deduction1099 \$0.00, Linares, Julio	\$ 1.33		\$ 3,908.84
9/10/2013 17:34	6611138	Processing Fee	\$ 72.00		\$ 3,835.51
9/10/2013 17:34	6611142	(102332)Association:PBSOA, Games 1524,1538,1552,1565, Additions & Deductions \$0.00, deduction1099 \$0.00, Majors, Benjamin	\$ 0.91		\$ 3,834.60
9/10/2013 17:34	6611146	Processing Fee	\$ 70.00		\$ 3,764.60
9/10/2013 17:34	6611146	(102332)Association:PBSOA, Games 1523,1529,1546, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 0.91		\$ 3,763.69
9/10/2013 17:34	6611150	Processing Fee	\$ 100.00		\$ 3,663.69
9/10/2013 17:34	6611150	(102332)Association:PBSOA, Games 1534,1537,1553,1567, Additions & Deductions \$0.00, deduction1099 \$0.00, McElroy, James	\$ 1.06		\$ 3,662.63
9/10/2013 17:34	6611154	Processing Fee	\$ 120.00		\$ 3,542.63
9/10/2013 17:34	6611154	(102332)Association:PBSOA, Games 1539,1552,1570,1576, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jacob	\$ 1.06		\$ 3,541.57
9/10/2013 17:34	6611158	Processing Fee	\$ 115.00		\$ 3,426.57
9/10/2013 17:34	6611158	(102332)Association:PBSOA, Games 1539,1552,1570,1576, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jacob	\$ 1.06		\$ 3,425.51

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/10/2013 17:34	6611162	(102332)Association:PBSOA, Games 1530,1545,1553,1569, Additions & Deductions \$0.00, deduction1099 \$0.00, Pitts, Lauren	\$ 77.00		\$ 3,348.51
9/10/2013 17:34	6611162	Processing Fee	\$ 1.06		\$ 3,347.45
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611166	1528,1539,1556,1564,1575, Additions & Deductions \$0.00, deduction1099 \$0.00, Rodney, Yates	\$ 115.00		\$ 3,232.45
9/10/2013 17:34	6611166	Processing Fee	\$ 1.06		\$ 3,231.39
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611170	1533,1540,1551,1565,1573, Additions & Deductions \$0.00, deduction1099 \$0.00, Rust, Michael	\$ 84.00		\$ 3,147.39
9/10/2013 17:34	6611170	Processing Fee	\$ 1.06		\$ 3,146.33
		(102332)Association:PBSOA, Games 1527, Additions & Deductions \$0.00, deduction1099 \$0.00, Schaefer (NR), Christoph			
9/10/2013 17:34	6611174	Processing Fee	\$ 40.00		\$ 3,106.33
9/10/2013 17:34	6611174	Processing Fee	\$ 0.91		\$ 3,105.42
		(102332)Association:PBSOA, Games 1569,1574, Additions & Deductions \$0.00, deduction1099 \$0.00, Seymour, Kyren			
9/10/2013 17:34	6611178	Processing Fee	\$ 45.00		\$ 3,060.42
9/10/2013 17:34	6611178	Processing Fee	\$ 0.91		\$ 3,059.51
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611182	1527,1541,1554,1562,1577, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 117.00		\$ 2,942.51
9/10/2013 17:34	6611182	Processing Fee	\$ 1.06		\$ 2,941.45
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611186	1527,1543,1558,1564,1572, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Nick	\$ 117.00		\$ 2,824.45
9/10/2013 17:34	6611186	Processing Fee	\$ 1.06		\$ 2,823.39
		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611190	1524,1537,1554,1566, Additions & Deductions \$0.00, deduction1099 \$0.00, Smallwood, Kate	\$ 80.00		\$ 2,743.39
9/10/2013 17:34	6611190	Processing Fee	\$ 1.06		\$ 2,742.33

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/10/2013 17:34	6611194	(102332)Association:PBSOA, Games 1523,1553, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Betsy	\$ 32.00		\$ 2,710.33
9/10/2013 17:34	6611194	Processing Fee	\$ 0.91		\$ 2,709.42
9/10/2013 17:34		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611198	1523,1541,1552,1560, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Maggie	\$ 64.00		\$ 2,645.42
9/10/2013 17:34	6611198	Processing Fee	\$ 0.91		\$ 2,644.51
9/10/2013 17:34		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611202	1524,1536,1549,1562,1577, Additions & Deductions \$0.00, deduction1099 \$0.00, Stoner, Kyle	\$ 155.00		\$ 2,489.51
9/10/2013 17:34	6611202	Processing Fee	\$ 1.33		\$ 2,488.18
9/10/2013 17:34		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611206	1534,1543,1551,1563,1572, Additions & Deductions \$0.00, deduction1099 \$0.00, Stoner, Timothy	\$ 105.00		\$ 2,383.18
9/10/2013 17:34	6611206	Processing Fee	\$ 1.06		\$ 2,382.12
9/10/2013 17:34		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611210	1528,1541,1556,1566,1577, Additions & Deductions \$0.00, deduction1099 \$0.00, Stoner, Todd	\$ 150.00		\$ 2,232.12
9/10/2013 17:34	6611210	Processing Fee	\$ 1.33		\$ 2,230.79
9/10/2013 17:34		(102332)Association:PBSOA, Games			
9/10/2013 17:34	6611214	1533,1546,1550,1568, Additions & Deductions \$0.00, deduction1099 \$0.00, Tabb, Mason	\$ 125.00		\$ 2,105.79
9/10/2013 17:34	6611214	Processing Fee	\$ 1.06		\$ 2,104.73
9/10/2013 17:34		(102332)Association:PBSOA, Games 1534,1537,1561, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan	\$ 52.00		\$ 2,052.73
9/10/2013 17:34	6611218	Processing Fee	\$ 0.91		\$ 2,051.82
9/10/2013 17:34		(102332)Association:PBSOA, Games 1532,1542,1561, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Taytum	\$ 52.00		\$ 1,999.82
9/10/2013 17:34	6611222	Processing Fee	\$ 0.91		\$ 1,998.91

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
	Transaction Number	Transaction Description	Debit	Credit	Balance
9/10/2013 17:34	6611226	(102332)Association:PBSOA, Games 1525,1540,1557,1560,1573, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 130.00		\$ 1,868.91
9/10/2013 17:34	6611226	Processing Fee	\$ 1.06		\$ 1,867.85
9/10/2013 17:34	6611230	(102332)Association:PBSOA, Games 1564,1571, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carlton	\$ 60.00		\$ 1,807.85
9/10/2013 17:34	6611230	Processing Fee	\$ 0.91		\$ 1,806.94
9/10/2013 17:34	6611234	(102332)Association:PBSOA, Games 1528,1542,1556,1563, Additions & Deductions \$0.00, deduction1099 \$0.00, White, Kyle	\$ 72.00		\$ 1,734.94
9/10/2013 17:34	6611234	Processing Fee	\$ 0.91		\$ 1,734.03
9/10/2013 22:10	6614141	(102332)Association:PBSOA, Games 1526,1538,1550,1561, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Grant	\$ 85.00		\$ 1,649.03
9/10/2013 22:10	6614141	Processing Fee	\$ 1.06		\$ 1,647.97
9/11/2013 12:37	6618780	(102332)Association:PBSOA, Games 1526,1546,1554,1569,1572, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, Jay	\$ 160.00		\$ 1,487.97
9/11/2013 12:37	6618780	Processing Fee	\$ 1.33		\$ 1,486.64
9/11/2013 23:40	6626109	(102332)Association:PBSOA, Games 1522,1532,1542,1548,1565, Additions & Deductions \$0.00, deduction1099 \$0.00, Hux, Caleb	\$ 140.00		\$ 1,346.64
9/11/2013 23:40	6626109	Processing Fee	\$ 1.06		\$ 1,345.58
9/11/2013 23:40	6626113	(102332)Association:PBSOA, Games 1529,1536,1548,1559, Additions & Deductions \$0.00, deduction1099 \$0.00, Robinson, David	\$ 72.00		\$ 1,273.58
9/11/2013 23:40	6626113	Processing Fee	\$ 0.91		\$ 1,272.67
9/16/2013 11:23	6611331	Upload Funds into RefPay (EFT)		10,000.00	\$ 11,272.67
9/16/2013 12:30	6672032	(102332)Association:PBSOA, Games 1619,1600,1615,1625, Additions & Deductions \$0.00, deduction1099 \$0.00, Acred, Jr, Adam (A)	\$ 52.00		\$ 11,220.67
9/16/2013 12:30	6672032	Processing Fee	\$ 0.91		\$ 11,219.76

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/16/2013 12:30	6672036	(102332)Association:PBSOA, Games 1579,1600,1614,1638,1653,1663, Additions & Deductions \$0.00, deduction1099 \$0.00, Anderson, Luke	\$ 82.00		\$ 11,137.76
9/16/2013 12:30	6672036	Processing Fee	\$ 1.06		\$ 11,136.70
9/16/2013 12:30	6672040	(102332)Association:PBSOA, Games 1617,1602,1614,1641,1657, Additions & Deductions \$0.00, deduction1099 \$0.00, Beck, Daniel	\$ 108.00		\$ 11,028.70
9/16/2013 12:30	6672040	Processing Fee	\$ 1.06		\$ 11,027.64
9/16/2013 12:30	6672044	(102332)Association:PBSOA, Games 1617,1622,1614,1652,1651,1637, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 90.00		\$ 10,937.64
9/16/2013 12:30	6672044	Processing Fee	\$ 1.06		\$ 10,936.58
9/16/2013 12:30	6672048	(102332)Association:PBSOA, Games 1579,1622,1630, Additions & Deductions \$0.00, deduction1099 \$0.00, Green, Jourdan	\$ 50.00		\$ 10,886.58
9/16/2013 12:30	6672048	Processing Fee	\$ 0.91		\$ 10,885.67
9/16/2013 12:30	6672052	(102332)Association:PBSOA, Games 1578,1601,1615,1652,1648, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan	\$ 62.00		\$ 10,823.67
9/16/2013 12:30	6672052	Processing Fee	\$ 0.91		\$ 10,822.76
9/16/2013 12:30	6672056	(102332)Association:PBSOA, Games 1586,1624,1632,1644,1660,1645, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Kenneth "Tim"	\$ 159.00		\$ 10,663.76
9/16/2013 12:30	6672056	Processing Fee	\$ 1.33		\$ 10,662.43
9/16/2013 12:30	6672060	(102332)Association:PBSOA, Games 1626,1641,1657,1637, Additions & Deductions \$0.00, deduction1099 \$0.00, Hux, Caleb	\$ 100.00		\$ 10,562.43
9/16/2013 12:30	6672060	Processing Fee	\$ 1.06		\$ 10,561.37
9/16/2013 12:30	6672064	(102332)Association:PBSOA, Games 1618,1597,1636,1643,1656,1661, Additions & Deductions \$0.00, deduction1099 \$0.00, Luker, Bradley	\$ 143.00		\$ 10,418.37
9/16/2013 12:30	6672064	Processing Fee	\$ 1.06		\$ 10,417.31

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/16/2013 12:30	6672068	(102332)Association:PBSOA, Games 1589,1607,1632,1646,1656,1654, Additions & Deductions \$0.00, deduction1099 \$0.00, Luncelford, Ryan	\$ 128.00		\$ 10,289.31
9/16/2013 12:30	6672068	Processing Fee	\$ 1.06		\$ 10,288.25
9/16/2013 12:30		(102332)Association:PBSOA, Games			
9/16/2013 12:30	6672072	1588,1594,1615,1639,1655,1664, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 126.00		\$ 10,162.25
9/16/2013 12:30	6672072	Processing Fee	\$ 1.06		\$ 10,161.19
9/16/2013 12:30		(102332)Association:PBSOA, Games			
9/16/2013 12:30	6672076	1584,1594,1629,1639,1648,1661, Additions & Deductions \$0.00, deduction1099 \$0.00, McCall, Austin	\$ 80.00		\$ 10,081.19
9/16/2013 12:30	6672076	Processing Fee	\$ 1.06		\$ 10,080.13
9/16/2013 12:30		(102332)Association:PBSOA, Games 1579,1601,1611, Additions & Deductions \$0.00, deduction1099 \$0.00, McElroy, James	\$ 56.00		\$ 10,024.13
9/16/2013 12:30	6672080	Processing Fee	\$ 0.91		\$ 10,023.22
9/16/2013 12:30		(102332)Association:PBSOA, Games 1585,1598, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Erin	\$ 28.00		\$ 9,995.22
9/16/2013 12:30	6672084	Processing Fee	\$ 0.91		\$ 9,994.31
9/16/2013 12:30		(102332)Association:PBSOA, Games			
9/16/2013 12:30	6672088	1578,1600,1612,1638,1657,1654, Additions & Deductions \$0.00, deduction1099 \$0.00, Miller, Jett	\$ 146.00		\$ 9,848.31
9/16/2013 12:30	6672088	Processing Fee	\$ 1.06		\$ 9,847.25
9/16/2013 12:30		(102332)Association:PBSOA, Games 1584,1621,1632, Additions & Deductions \$0.00, deduction1099 \$0.00, Robinson, David	\$ 59.00		\$ 9,788.25
9/16/2013 12:30	6672092	Processing Fee	\$ 0.91		\$ 9,787.34
9/16/2013 12:30		(102332)Association:PBSOA, Games			
9/16/2013 12:30	6672096	1582,1620,1633,1625,1653,1645, Additions & Deductions \$0.00, deduction1099 \$0.00, Rock, Mitchell	\$ 148.00		\$ 9,639.34
9/16/2013 12:30	6672096	Processing Fee	\$ 1.06		\$ 9,638.28

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/16/2013 12:30	6672100	(102332)Association:PBSOA, Games 1590,1599,1610,1644,1653,1661, Additions & Deductions \$0.00, deduction1099 \$0.00, Rodney, Yates	\$ 94.00		\$ 9,544.28
9/16/2013 12:30	6672100	Processing Fee	\$ 1.06		\$ 9,543.22
9/16/2013 12:30	6672104	(102332)Association:PBSOA, Games 1585,1595, Additions & Deductions \$0.00, deduction1099 \$0.00, Rust, Michael	\$ 32.00		\$ 9,511.22
9/16/2013 12:30	6672104	Processing Fee	\$ 0.91		\$ 9,510.31
9/16/2013 12:30	6672108	(102332)Association:PBSOA, Games 1583,1621,1636,1641,1660,1649, Additions & Deductions (\$30.00), deduction1099 \$0.00, Simmons, Bailey	\$ 60.00		\$ 9,450.31
9/16/2013 12:30	6672108	Processing Fee	\$ 0.91		\$ 9,449.40
9/16/2013 12:30	6672112	(102332)Association:PBSOA, Games 1586,1598,1633,1638,1651,1649, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Nick	\$ 94.00		\$ 9,355.40
9/16/2013 12:30	6672112	Processing Fee	\$ 1.06		\$ 9,354.34
9/16/2013 12:30	6672116	(102332)Association:PBSOA, Games 1583,1595, Additions & Deductions \$0.00, deduction1099 \$0.00, Smallwood, Kate	\$ 24.00		\$ 9,330.34
9/16/2013 12:30	6672116	Processing Fee	\$ 0.91		\$ 9,329.43
9/16/2013 12:30	6672120	(102332)Association:PBSOA, Games 1618,1595, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Betsy	\$ 22.00		\$ 9,307.43
9/16/2013 12:30	6672120	Processing Fee	\$ 0.91		\$ 9,306.52
9/16/2013 12:30	6672124	(102332)Association:PBSOA, Games 1578,1594,1629, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Maggie	\$ 40.00		\$ 9,266.52
9/16/2013 12:30	6672124	Processing Fee	\$ 0.91		\$ 9,265.61
9/16/2013 12:30	6672128	(102332)Association:PBSOA, Games 1603,1591,1599,1633, Additions & Deductions \$0.00, deduction1099 \$0.00, Stone, Tiffany	\$ 72.00		\$ 9,193.61
9/16/2013 12:30	6672128	Processing Fee	\$ 0.91		\$ 9,192.70

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/16/2013 12:30	6672132	(102332)Association:PBSOA, Games 1584,1621,1635, Additions & Deductions \$0.00, deduction1099 \$0.00, Tabb, Mason	\$ 68.00		\$ 9,124.70
9/16/2013 12:30	6672132	Processing Fee	\$ 0.91		\$ 9,123.79
		(102332)Association:PBSOA, Games			
9/16/2013 12:30	6672136	1581,1598,1630,1646, Additions & Deductions \$0.00, deduction1099 \$0.00, Tabb, Zac	\$ 112.00		\$ 9,011.79
9/16/2013 12:30	6672136	Processing Fee	\$ 1.06		\$ 9,010.73
		(102332)Association:PBSOA, Games			
9/16/2013 12:30	6672140	1592,1582,1606,1609,1643,1655,1663, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan	\$ 104.00		\$ 8,906.73
9/16/2013 12:30	6672140	Processing Fee	\$ 1.06		\$ 8,905.67
		(102332)Association:PBSOA, Games			
9/16/2013 12:30	6672144	1586,1605,1631,1644,1637, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Taytum	\$ 80.00		\$ 8,825.67
9/16/2013 12:30	6672144	Processing Fee	\$ 1.06		\$ 8,824.61
		(102332)Association:PBSOA, Games			
9/16/2013 12:30	6672148	1587,1604,1631,1647,1651,1649, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 112.00		\$ 8,712.61
9/16/2013 12:30	6672148	Processing Fee	\$ 1.06		\$ 8,711.55
		(102332)Association:PBSOA, Games 1618,1601,1643, Additions & Deductions \$0.00, deduction1099 \$0.00, Wallace, Dakota			
9/16/2013 12:30	6672152	Processing Fee	\$ 46.00		\$ 8,665.55
9/16/2013 12:30	6672152	(102332)Association:PBSOA, Games	\$ 0.91		\$ 8,664.64
		1617,1613,1658,1666, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carlton			
9/16/2013 12:30	6672156	Processing Fee	\$ 72.00		\$ 8,592.64
9/16/2013 12:30	6672156	(102332)Association:PBSOA, Games	\$ 0.91		\$ 8,591.73
		1580,1593,1626,1639,1660, Additions & Deductions \$0.00, deduction1099 \$0.00, White, Kyle			
9/16/2013 12:30	6672160	Processing Fee	\$ 56.00		\$ 8,535.73
9/16/2013 12:30	6672160	(102332)Association:PBSOA, Games	\$ 0.91		\$ 8,534.82

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/16/2013 15:49	6678166	(102332)Association:PBSOA, Games 1636, Additions & Deductions \$0.00, deduction1099 \$0.00, Wallace, Dakota	\$ 12.00		\$ 8,522.82
9/16/2013 15:49	6678166	Processing Fee	\$ 0.91		\$ 8,521.91
9/19/2013 17:43	6720600	(102332)Association:PBSOA, Games 1580,1593,1608,1646,1648,1654, Additions & Deductions \$0.00, deduction1099 \$0.00, Clark, Stacey	\$ 120.00		\$ 8,401.91
9/19/2013 17:43	6720600	Processing Fee	\$ 1.06		\$ 8,400.85
9/19/2013 17:43	6720604	(102332)Association:PBSOA, Games 1619,1593,1626,1625, Additions & Deductions \$0.00, deduction1099 \$0.00, Rodrigue, Mallori	\$ 46.00		\$ 8,354.85
9/19/2013 17:43	6720604	Processing Fee	\$ 0.91		\$ 8,353.94
9/29/2013 13:55	6828027	(102332)Association:PBSOA, Games 1754,1765,1830,1845, Additions & Deductions \$0.00, deduction1099 \$0.00, Acred, Jr, Adam (AJ)	\$ 70.00		\$ 8,283.94
9/29/2013 13:55	6828027	Processing Fee	\$ 0.91		\$ 8,283.03
9/29/2013 13:55	6828031	(102332)Association:PBSOA, Games 1814,1744,1823, Additions & Deductions \$0.00, deduction1099 \$0.00, Brown, Richard	\$ 58.00		\$ 8,225.03
9/29/2013 13:55	6828031	Processing Fee	\$ 0.91		\$ 8,224.12
9/29/2013 13:55	6828035	(102332)Association:PBSOA, Games 1721,1820,1823,1835, Additions & Deductions \$0.00, deduction1099 \$0.00, Dale, Jonathan	\$ 58.00		\$ 8,166.12
9/29/2013 13:55	6828035	Processing Fee	\$ 0.91		\$ 8,165.21
9/29/2013 13:55	6828039	(102332)Association:PBSOA, Games 1743,1815,1758,1729, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 63.00		\$ 8,102.21
9/29/2013 13:55	6828039	Processing Fee	\$ 0.91		\$ 8,101.30
9/29/2013 13:55	6828043	(102332)Association:PBSOA, Games 1722,1723,1739,1833, Additions & Deductions \$0.00, deduction1099 \$0.00, Goyette, Ed	\$ 102.00		\$ 7,999.30
9/29/2013 13:55	6828043	Processing Fee	\$ 1.06		\$ 7,998.24

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/29/2013 13:55	6828047	(102332)Association:PBSOA, Games 1753,1769,1831, Additions & Deductions \$0.00, deduction1099 \$0.00, Goyette, Nathan	\$ 68.00		\$ 7,930.24
9/29/2013 13:55	6828047	Processing Fee	\$ 0.91		\$ 7,929.33
9/29/2013 13:55	6828051	(102332)Association:PBSOA, Games 1814,1817,1828,1844, Additions & Deductions \$0.00, deduction1099 \$0.00, Gunter, Rayna	\$ 90.00		\$ 7,839.33
9/29/2013 13:55	6828051	Processing Fee	\$ 1.06		\$ 7,838.27
9/29/2013 13:55	6828055	(102332)Association:PBSOA, Games 1732,1767,1825,1741, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan	\$ 62.00		\$ 7,776.27
9/29/2013 13:55	6828055	Processing Fee	\$ 0.91		\$ 7,775.36
9/29/2013 13:55	6828059	(102332)Association:PBSOA, Games 1814,1820,1831,1844, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Kenneth "Tim"	\$ 140.00		\$ 7,635.36
9/29/2013 13:55	6828059	Processing Fee	\$ 1.06		\$ 7,634.30
9/29/2013 13:55	6828063	(102332)Association:PBSOA, Games 1720,1734,1828,1845, Additions & Deductions \$0.00, Hines, Ill, Peyton	\$ 83.00		\$ 7,551.30
9/29/2013 13:55	6828063	Processing Fee	\$ 1.06		\$ 7,550.24
9/29/2013 13:55	6828067	(102332)Association:PBSOA, Games 1720,1734,1828,1845, Additions & Deductions \$0.00, deduction1099 \$0.00, Hux, Caleb	\$ 103.00		\$ 7,447.24
9/29/2013 13:55	6828067	Processing Fee	\$ 1.06		\$ 7,446.18
9/29/2013 13:55	6828071	(102332)Association:PBSOA, Games 1813,1822,1827,1841, Additions & Deductions \$0.00, deduction1099 \$0.00, King, Ron	\$ 150.00		\$ 7,296.18
9/29/2013 13:55	6828071	Processing Fee	\$ 1.33		\$ 7,294.85
9/29/2013 13:55	6828075	(102332)Association:PBSOA, Games 1747,1815, Additions & Deductions \$0.00, deduction1099 \$0.00, Linares, Julio	\$ 53.00		\$ 7,241.85
9/29/2013 13:55	6828075	Processing Fee	\$ 0.91		\$ 7,240.94

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/29/2013 13:55	6828079	(102332)Association:PBSOA, Games 1743,1818,1757,1834, Additions & Deductions \$0.00, deduction1099 \$0.00, Luker, Bradley	\$ 82.00		\$ 7,158.94
9/29/2013 13:55	6828079	Processing Fee	\$ 1.06		\$ 7,157.88
9/29/2013 13:55	6828083	(102332)Association:PBSOA, Games 1731,1755,1831,1843, Additions & Deductions \$0.00, deduction1099 \$0.00, Luncford, Ryan	\$ 88.00		\$ 7,069.88
9/29/2013 13:55	6828083	Processing Fee	\$ 1.06		\$ 7,068.82
9/29/2013 13:55	6828087	(102332)Association:PBSOA, Games 1762,1756,1738,1729,1845, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 88.00		\$ 6,980.82
9/29/2013 13:55	6828087	Processing Fee	\$ 1.06		\$ 6,979.76
9/29/2013 13:55	6828091	(102332)Association:PBSOA, Games 1813,1736,1738,1729, Additions & Deductions \$0.00, deduction1099 \$0.00, McCall, Austin	\$ 62.00		\$ 6,917.76
9/29/2013 13:55	6828091	Processing Fee	\$ 0.91		\$ 6,916.85
9/29/2013 13:55	6828095	(102332)Association:PBSOA, Games 1812,1750,1726,1836,1838,1850, Additions & Deductions \$20.00, deduction1099 \$20.00, McElroy, James	\$ 177.00		\$ 6,739.85
9/29/2013 13:55	6828095	Processing Fee	\$ 1.33		\$ 6,738.52
9/29/2013 13:55	6828099	(102332)Association:PBSOA, Games 1733,1724,1830,1841, Additions & Deductions \$0.00, deduction1099 \$0.00, McGlinchey, John	\$ 118.00		\$ 6,620.52
9/29/2013 13:55	6828099	Processing Fee	\$ 1.06		\$ 6,619.46
9/29/2013 13:55	6828103	(102332)Association:PBSOA, Games 1732,1819,1826,1840, Additions & Deductions \$0.00, deduction1099 \$0.00, Week, Keith	\$ 139.00		\$ 6,480.46
9/29/2013 13:55	6828103	Processing Fee	\$ 1.06		\$ 6,479.40
9/29/2013 13:55	6828107	(102332)Association:PBSOA, Games 1746,1822,1829,1842,1850, Additions & Deductions \$20.00, deduction1099 \$20.00, Miller, Jett	\$ 178.00		\$ 6,301.40
9/29/2013 13:55	6828107	Processing Fee	\$ 1.33		\$ 6,300.07

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/29/2013 13:55	6828111	(102332)Association:PBSOA, Games 1763,1745,1728,1741,1846,1854, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jacob	\$ 130.00		\$ 6,170.07
9/29/2013 13:55	6828111	Processing Fee	\$ 1.06		\$ 6,169.01
9/29/2013 13:55	6828115	(102332)Association:PBSOA, Games 1812,1751,1825,1837,1847,1854, Additions & Deductions \$0.00, deduction1099 \$0.00, Nichols, James	\$ 173.00		\$ 5,996.01
9/29/2013 13:55	6828115	Processing Fee	\$ 1.33		\$ 5,994.68
9/29/2013 13:55	6828119	(102332)Association:PBSOA, Games 1731,1821,1761,1741, Additions & Deductions \$0.00, deduction1099 \$0.00, Robinson, David	\$ 72.00		\$ 5,922.68
9/29/2013 13:55	6828119	Processing Fee	\$ 0.91		\$ 5,921.77
9/29/2013 13:55	6828123	(102332)Association:PBSOA, Games 1748,1821,1760,1740,1854, Additions & Deductions \$0.00, deduction1099 \$0.00, Rock, Mitchell	\$ 126.00		\$ 5,795.77
9/29/2013 13:55	6828123	Processing Fee	\$ 1.06		\$ 5,794.71
9/29/2013 13:55	6828127	(102332)Association:PBSOA, Games 1752,1749,1824,1835,1838, Additions & Deductions \$0.00, deduction1099 \$0.00, Rust, Michael	\$ 92.00		\$ 5,702.71
9/29/2013 13:55	6828127	Processing Fee	\$ 1.06		\$ 5,701.65
9/29/2013 13:55	6828131	(102332)Association:PBSOA, Games 1742,1735,1738,1740,1847, Additions & Deductions \$0.00, deduction1099 \$0.00, Seymour, Kyren	\$ 72.00		\$ 5,629.65
9/29/2013 13:55	6828131	Processing Fee	\$ 0.91		\$ 5,628.74
9/29/2013 13:55	6828135	(102332)Association:PBSOA, Games 1813,1821,1828, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 75.00		\$ 5,553.74
9/29/2013 13:55	6828135	Processing Fee	\$ 1.06		\$ 5,552.68
9/29/2013 13:55	6828139	(102332)Association:PBSOA, Games 1722,1817,1827,1840, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Nick	\$ 109.00		\$ 5,443.68
9/29/2013 13:55	6828139	Processing Fee	\$ 1.06		\$ 5,442.62

	Account Number	Account Type		Currency	Description	Current Balance
	1398525160	Assoc. Main		USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance	
9/29/2013 13:55	6828143	(102332)Association:PBSOA, Games 1818,1728,1837,1844,1852, Additions & Deductions \$0.00, deduction1099 \$0.00, Smallwood, Kate	\$ 86.00		\$ 5,356.62	
9/29/2013 13:55	6828143	Processing Fee	\$ 1.06		\$ 5,355.56	
9/29/2013 13:55	6828147	(102332)Association:PBSOA, Games 1830,1840,1852, Additions & Deductions \$0.00, deduction1099 \$0.00, Smith, Charles	\$ 90.00		\$ 5,265.56	
9/29/2013 13:55	6828147	Processing Fee	\$ 1.06		\$ 5,264.50	
9/29/2013 13:55	6828151	(102332)Association:PBSOA, Games 1731,1735,1829, Additions & Deductions \$0.00, deduction1099 \$0.00, Tabb, Zac	\$ 88.00		\$ 5,176.50	
9/29/2013 13:55	6828151	Processing Fee	\$ 1.06		\$ 5,175.44	
9/29/2013 13:55	6828155	(102332)Association:PBSOA, Games 1847,1849, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan	\$ 40.00		\$ 5,135.44	
9/29/2013 13:55	6828155	Processing Fee	\$ 0.91		\$ 5,134.53	
9/29/2013 13:55	6828159	(102332)Association:PBSOA, Games 1742,1815,1768,1833, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Taytum	\$ 69.00		\$ 5,065.53	
9/29/2013 13:55	6828159	Processing Fee	\$ 0.91		\$ 5,064.62	
9/29/2013 13:55	6828163	(102332)Association:PBSOA, Games 1764,1822,1826,1841,1849, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 129.00		\$ 4,935.62	
9/29/2013 13:55	6828163	Processing Fee	\$ 1.06		\$ 4,934.56	
9/29/2013 13:55	6828167	(102332)Association:PBSOA, Games 1766,1759,1832,1839,1848,1855, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carlton	\$ 84.00		\$ 4,850.56	
9/29/2013 13:55	6828167	Processing Fee	\$ 1.06		\$ 4,849.50	
9/29/2013 13:55	6828171	(102332)Association:PBSOA, Games 1732,1818,1728,1740, Additions & Deductions \$0.00, deduction1099 \$0.00, White, Kyle	\$ 62.00		\$ 4,787.50	
9/29/2013 13:55	6828171	Processing Fee	\$ 0.91		\$ 4,786.59	

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
9/29/2013 14:00	6828179	(102332)Association:PBSOA, Games 1829,1842,1851, Additions & Deductions (\$30.00), deduction1099 \$0.00, Stoner, Kyle	\$ 60.00		\$ 4,726.59
9/29/2013 14:00	6828179	Processing Fee	\$ 0.91		\$ 4,725.68
9/29/2013 14:00	6828183	(102332)Association:PBSOA, Games 1742,1817,1737,1730,1843,1851, Additions & Deductions (\$40.00), deduction1099 \$0.00, Stoner, Todd	\$ 103.00		\$ 4,622.68
9/29/2013 14:00	6828183	Processing Fee	\$ 1.06		\$ 4,621.62
9/30/2013 8:41	6834036	(102332)Association:PBSOA, Games 1722,1735,1824,1836,1838, Additions & Deductions \$0.00, deduction1099 \$0.00, Mulligan, Lonnie	\$ 80.00		\$ 4,541.62
9/30/2013 8:41	6834036	Processing Fee	\$ 1.06		\$ 4,540.56
9/30/2013 8:41	6834040	(102332)Association:PBSOA, Games 1733,1736,1825,1833, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jonathan	\$ 68.00		\$ 4,472.56
9/30/2013 8:41	6834040	Processing Fee	\$ 0.91		\$ 4,471.65
10/2/2013 22:14	6886534	(102332)Association:PBSOA, Games 1720,1734,1824,1837, Additions & Deductions \$0.00, deduction1099 \$0.00, Mistich, Kyle	\$ 60.00		\$ 4,411.65
10/2/2013 22:14	6886534	Processing Fee	\$ 0.91		\$ 4,410.74
10/3/2013 18:12	6900537	(102332)Association:PBSOA, Games 1835,1846,1850, Additions & Deductions \$0.00, deduction1099 \$0.00, Bookout, Taylor	\$ 44.00		\$ 4,366.74
10/3/2013 18:12	6900537	Processing Fee	\$ 0.91		\$ 4,365.83
10/3/2013 18:12	6900541	(102332)Association:PBSOA, Games 1743, Additions & Deductions \$0.00, deduction1099 \$0.00, Sayre, Owen	\$ 10.00		\$ 4,355.83
10/3/2013 18:12	6900541	Processing Fee	\$ 0.91		\$ 4,354.92
10/6/2013 9:59	6930130	(102332)Association:PBSOA, Games 1893,1896,1887, Additions & Deductions \$0.00, deduction1099 \$0.00, Acred, Jr, Adam (AU)	\$ 42.00		\$ 4,312.92
10/6/2013 9:59	6930130	Processing Fee	\$ 0.91		\$ 4,312.01

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/6/2013 9:59	6930134	(102332)Association:PBSOA, Games 1862,1866, Additions & Deductions \$0.00, deduction1099 \$0.00, Anderson, Luke	\$ 28.00		\$ 4,284.01
10/6/2013 9:59	6930134	Processing Fee	\$ 0.91		\$ 4,283.10
10/6/2013 9:59	6930138	(102332)Association:PBSOA, Games 1875,1861, Additions & Deductions \$0.00, deduction1099 \$0.00, Beck, Daniel	\$ 42.00		\$ 4,241.10
10/6/2013 9:59	6930138	Processing Fee	\$ 0.91		\$ 4,240.19
10/6/2013 9:59	6930142	(102332)Association:PBSOA, Games 1836,1846,1852, Additions & Deductions \$0.00, deduction1099 \$0.00, Blakeney, Carlee	\$ 44.00		\$ 4,196.19
10/6/2013 9:59	6930142	Processing Fee	\$ 0.91		\$ 4,195.28
10/6/2013 9:59	6930146	(102332)Association:PBSOA, Games 1862,1877, Additions & Deductions \$0.00, deduction1099 \$0.00, Clark, Stacey	\$ 42.00		\$ 4,153.28
10/6/2013 9:59	6930146	Processing Fee	\$ 0.91		\$ 4,152.37
10/6/2013 9:59	6930150	(102332)Association:PBSOA, Games 1868,1878, Additions & Deductions \$0.00, deduction1099 \$0.00, Dale, Jonathan	\$ 20.00		\$ 4,132.37
10/6/2013 9:59	6930150	Processing Fee	\$ 0.91		\$ 4,131.46
10/6/2013 9:59	6930154	(102332)Association:PBSOA, Games 1864,1859, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 28.00		\$ 4,103.46
10/6/2013 9:59	6930154	Processing Fee	\$ 0.91		\$ 4,102.55
10/6/2013 9:59	6930158	(102332)Association:PBSOA, Games 1869,1873, Additions & Deductions \$0.00, deduction1099 \$0.00, Dye, Cody	\$ 20.00		\$ 4,082.55
10/6/2013 9:59	6930158	Processing Fee	\$ 0.91		\$ 4,081.64
10/6/2013 10:00	6930162	(102332)Association:PBSOA, Games 1856,1878, Additions & Deductions \$0.00, deduction1099 \$0.00, Farley, Nathan	\$ 42.00		\$ 4,039.64
10/6/2013 10:00	6930162	Processing Fee	\$ 0.91		\$ 4,038.73

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/6/2013 10:00	6930166	(102332)Association:PBSOA, Games 1881,1885,1889, Additions & Deductions \$0.00, deduction1099 \$0.00, Fortenberry, Sarah	\$ 42.00		\$ 3,996.73
10/6/2013 10:00	6930166	Processing Fee	\$ 0.91		\$ 3,995.82
10/6/2013 10:00	6930170	(102332)Association:PBSOA, Games 1891,1895,1897, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan	\$ 42.00		\$ 3,953.82
10/6/2013 10:00	6930170	Processing Fee	\$ 0.91		\$ 3,952.91
10/6/2013 10:00	6930174	(102332)Association:PBSOA, Games 1864,1867,1879, Additions & Deductions \$0.00, deduction1099 \$0.00, Hines, Ill, Peyton	\$ 66.00		\$ 3,886.91
10/6/2013 10:00	6930174	Processing Fee	\$ 0.91		\$ 3,886.00
10/6/2013 10:00	6930178	(102332)Association:PBSOA, Games 1869,1873, Additions & Deductions \$0.00, deduction1099 \$0.00, Hux, Caleb	\$ 36.00		\$ 3,850.00
10/6/2013 10:00	6930178	Processing Fee	\$ 0.91		\$ 3,849.09
10/6/2013 10:00	6930182	(102332)Association:PBSOA, Games 1863,1865, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, Jay	\$ 48.00		\$ 3,801.09
10/6/2013 10:00	6930182	Processing Fee	\$ 0.91		\$ 3,800.18
10/6/2013 10:00	6930186	(102332)Association:PBSOA, Games 1875,1878, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, jessica	\$ 20.00		\$ 3,780.18
10/6/2013 10:00	6930186	Processing Fee	\$ 0.91		\$ 3,779.27
10/6/2013 10:00	6930190	(102332)Association:PBSOA, Games 1870,1872, Additions & Deductions \$0.00, deduction1099 \$0.00, Lunceford, Ryan	\$ 36.00		\$ 3,743.27
10/6/2013 10:00	6930190	Processing Fee	\$ 0.91		\$ 3,742.36
10/6/2013 10:00	6930194	(102332)Association:PBSOA, Games 1876,1871, Additions & Deductions \$0.00, deduction1099 \$0.00, Majors, Benjamin	\$ 20.00		\$ 3,722.36
10/6/2013 10:00	6930194	Processing Fee	\$ 0.91		\$ 3,721.45

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/6/2013 10:00	6930198	(102332)Association:PBSOA, Games 1868,1860, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 42.00		\$ 3,679.45
10/6/2013 10:00	6930198	Processing Fee	\$ 0.91		\$ 3,678.54
10/6/2013 10:00	6930202	(102332)Association:PBSOA, Games 1858,1865, Additions & Deductions \$0.00, deduction1099 \$0.00, McCall, Austin	\$ 28.00		\$ 3,650.54
10/6/2013 10:00	6930202	Processing Fee	\$ 0.91		\$ 3,649.63
10/6/2013 10:00	6930206	(102332)Association:PBSOA, Games 1856,1877, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Erin	\$ 24.00		\$ 3,625.63
10/6/2013 10:00	6930206	Processing Fee	\$ 0.91		\$ 3,624.72
10/6/2013 10:00	6930210	(102332)Association:PBSOA, Games 1880,1884,1888, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Grant	\$ 42.00		\$ 3,582.72
10/6/2013 10:00	6930210	Processing Fee	\$ 0.91		\$ 3,581.81
10/6/2013 10:00	6930214	(102332)Association:PBSOA, Games 1869,1872, Additions & Deductions \$0.00, deduction1099 \$0.00, Mistich, Kyle	\$ 20.00		\$ 3,561.81
10/6/2013 10:00	6930214	Processing Fee	\$ 0.91		\$ 3,560.90
10/6/2013 10:00	6930218	(102332)Association:PBSOA, Games 1870,1871, Additions & Deductions \$0.00, deduction1099 \$0.00, Mulligan, Lonnie	\$ 20.00		\$ 3,540.90
10/6/2013 10:00	6930218	Processing Fee	\$ 0.91		\$ 3,539.99
10/6/2013 10:00	6930222	(102332)Association:PBSOA, Games 1857,1866, Additions & Deductions \$0.00, deduction1099 \$0.00, Pitts, Lauren	\$ 28.00		\$ 3,511.99
10/6/2013 10:00	6930222	Processing Fee	\$ 0.91		\$ 3,511.08
10/6/2013 10:00	6930226	(102332)Association:PBSOA, Games 1863,1867,1874, Additions & Deductions \$0.00, deduction1099 \$0.00, Robinson, David	\$ 38.00		\$ 3,473.08
10/6/2013 10:00	6930226	Processing Fee	\$ 0.91		\$ 3,472.17

Account Number	Account Type	Currency	Description	Current Balance	
1398525160	Assoc. Main	USD		\$ 3,151.78	
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/6/2013 10:00	6930230	(102332)Association:PBSOA, Games 1858,1866,1874, Additions & Deductions \$0.00, deduction1099 \$0.00, Rock, Mitchell	\$ 66.00		\$ 3,406.17
10/6/2013 10:00	6930230	Processing Fee	\$ 0.91		\$ 3,405.26
10/6/2013 10:00	6930234	(102332)Association:PBSOA, Games 1882,1860,1890, Additions & Deductions \$0.00, deduction1099 \$0.00, Rodney, Yates	\$ 42.00		\$ 3,363.26
10/6/2013 10:00	6930234	Processing Fee	\$ 0.91		\$ 3,362.35
10/6/2013 10:00	6930238	(102332)Association:PBSOA, Games 1857,1871, Additions & Deductions \$0.00, deduction1099 \$0.00, Rust, Michael	\$ 42.00		\$ 3,320.35
10/6/2013 10:00	6930238	Processing Fee	\$ 0.91		\$ 3,319.44
10/6/2013 10:00	6930242	(102332)Association:PBSOA, Games 1868,1872, Additions & Deductions \$0.00, deduction1099 \$0.00, Sayre, Owen	\$ 20.00		\$ 3,299.44
10/6/2013 10:00	6930242	Processing Fee	\$ 0.91		\$ 3,298.53
10/6/2013 10:00	6930246	(102332)Association:PBSOA, Games 1858,1861,1879, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 38.00		\$ 3,260.53
10/6/2013 10:00	6930246	Processing Fee	\$ 0.91		\$ 3,259.62
10/6/2013 10:00	6930250	(102332)Association:PBSOA, Games 1857,1860,1874, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Nick	\$ 38.00		\$ 3,221.62
10/6/2013 10:00	6930250	Processing Fee	\$ 0.91		\$ 3,220.71
10/6/2013 10:00	6930254	(102332)Association:PBSOA, Games 1883, Additions & Deductions \$0.00, deduction1099 \$0.00, Smith, Charles	\$ 14.00		\$ 3,206.71
10/6/2013 10:00	6930254	Processing Fee	\$ 0.91		\$ 3,205.80
10/6/2013 10:00	6930258	(102332)Association:PBSOA, Games 1876,1877,1879, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Maggie	\$ 30.00		\$ 3,175.80
10/6/2013 10:00	6930258	Processing Fee	\$ 0.91		\$ 3,174.89

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/6/2013 10:00	6930262	(102332)Association:PBSOA, Games 1875,1859, Additions & Deductions \$0.00, deduction1099 \$0.00, Stone, Adam	\$ 24.00		\$ 3,150.89
10/6/2013 10:00	6930262	Processing Fee	\$ 0.91		\$ 3,149.98
10/6/2013 10:00	6930266	(102332)Association:PBSOA, Games 1863,1894, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan	\$ 28.00		\$ 3,121.98
10/6/2013 10:00	6930266	Processing Fee	\$ 0.91		\$ 3,121.07
10/6/2013 10:00	6930270	(102332)Association:PBSOA, Games 1856,1867,1886, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Taytum	\$ 42.00		\$ 3,079.07
10/6/2013 10:00	6930270	Processing Fee	\$ 0.91		\$ 3,078.16
10/6/2013 10:00	6930274	(102332)Association:PBSOA, Games 1876,1859, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 42.00		\$ 3,036.16
10/6/2013 10:00	6930274	Processing Fee	\$ 0.91		\$ 3,035.25
10/6/2013 10:00	6930278	(102332)Association:PBSOA, Games 1892, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carlton	\$ 14.00		\$ 3,021.25
10/6/2013 10:00	6930278	Processing Fee	\$ 0.91		\$ 3,020.34
10/6/2013 10:00	6930282	(102332)Association:PBSOA, Games 1862,1865, Additions & Deductions \$0.00, deduction1099 \$0.00, White, Kyle	\$ 28.00		\$ 2,992.34
10/6/2013 10:00	6930282	Processing Fee	\$ 0.91		\$ 2,991.43
10/14/2013 15:29	7030848	(102332)Association:PBSOA, Games 1942,1947,1951, Additions & Deductions \$0.00, deduction1099 \$0.00, Blakeney, Carlee	\$ 44.00		\$ 2,947.43
10/14/2013 15:29	7030848	Processing Fee	\$ 0.91		\$ 2,946.52
10/14/2013 15:29	7030852	(102332)Association:PBSOA, Games 1908,1918,1949,1958,1962, Additions & Deductions \$0.00, deduction1099 \$0.00, Clark, Stacey	\$ 100.00		\$ 2,846.52
10/14/2013 15:29	7030852	Processing Fee	\$ 1.06		\$ 2,845.46

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/14/2013 15:29	7030856	(102332)Association:PBSOA, Games 1915,1906, Additions & Deductions \$0.00, deduction1099 \$0.00, Dale, Jonathan	\$ 24.00		\$ 2,821.46
10/14/2013 15:29	7030856	Processing Fee	\$ 0.91		\$ 2,820.55
		(102332)Association:PBSOA, Games 1910,1946,1952, Additions & Deductions \$0.00, deduction1099 \$0.00, Dye, Cody			
10/14/2013 15:29	7030860	Processing Fee	\$ 54.00		\$ 2,766.55
10/14/2013 15:29	7030860	(102332)Association:PBSOA, Games 1928,1931,1953,1964, Additions & Deductions \$0.00, deduction1099 \$0.00, Fortenberry, Sarah	\$ 73.00		\$ 2,692.64
10/14/2013 15:29	7030864	Processing Fee	\$ 0.91		\$ 2,691.73
		(102332)Association:PBSOA, Games 1940,1944,1950, Additions & Deductions \$0.00, deduction1099 \$0.00, Green, Jourdan			
10/14/2013 15:29	7030868	Processing Fee	\$ 62.00		\$ 2,629.73
10/14/2013 15:29	7030868	(102332)Association:PBSOA, Games 1941,1905, Additions & Deductions \$0.00, deduction1099 \$0.00, Gronau, Joel	\$ 48.00		\$ 2,580.82
10/14/2013 15:29	7030872	Processing Fee	\$ 0.91		\$ 2,579.91
		(102332)Association:PBSOA, Games 1924, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan			
10/14/2013 15:29	7030876	Processing Fee	\$ 14.00		\$ 2,565.91
10/14/2013 15:29	7030876	(102332)Association:PBSOA, Games 1910,1943,1957, Additions & Deductions \$0.00, deduction1099 \$0.00, Hennis, Timothy (TJ)	\$ 59.00		\$ 2,506.00
10/14/2013 15:29	7030880	Processing Fee	\$ 0.91		\$ 2,505.09
		(102332)Association:PBSOA, Games 1909,1943,1936,1958, Additions & Deductions \$0.00, deduction1099 \$0.00, Hines, Ill, Peyton			
10/14/2013 15:29	7030884	Processing Fee	\$ 103.00		\$ 2,402.09
10/14/2013 15:29	7030884	(102332)Association:PBSOA, Games 1909,1943,1936,1958, Additions & Deductions \$0.00, deduction1099 \$0.00, Hines, Ill, Peyton	\$ 1.06		\$ 2,401.03

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
	Transaction Number	Transaction Description	Debit	Credit	Balance
10/14/2013 15:29	7030888	(102332)Association:PBSOA, Games 1903,1913,1951,1963, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, Jay	\$ 102.00		\$ 2,299.03
10/14/2013 15:29	7030888	Processing Fee	\$ 1.06		\$ 2,297.97
10/14/2013 15:29		(102332)Association:PBSOA, Games 1941,1944,1957,1956, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, Jessica			
10/14/2013 15:29	7030892	Processing Fee	\$ 77.00		\$ 2,220.97
10/14/2013 15:29	7030892		\$ 1.06		\$ 2,219.91
10/14/2013 15:29		(102332)Association:PBSOA, Games 1915,1946,1939,1955,1961, Additions & Deductions \$0.00, deduction1099 \$0.00, King, Ron			
10/14/2013 15:29	7030896	Processing Fee	\$ 146.00		\$ 2,073.91
10/14/2013 15:29	7030896		\$ 1.06		\$ 2,072.85
10/14/2013 15:29		(102332)Association:PBSOA, Games 1942,1944,1935,1955,1961, Additions & Deductions \$0.00, deduction1099 \$0.00, Luker, Bradley			
10/14/2013 15:29	7030900	Processing Fee	\$ 95.00		\$ 1,977.85
10/14/2013 15:29	7030900		\$ 1.06		\$ 1,976.79
10/14/2013 15:29		(102332)Association:PBSOA, Games 1929,1932, Additions & Deductions \$0.00, deduction1099 \$0.00, Lunceford, Ryan			
10/14/2013 15:29	7030904	Processing Fee	\$ 28.00		\$ 1,948.79
10/14/2013 15:29	7030904		\$ 0.91		\$ 1,947.88
10/14/2013 15:29		(102332)Association:PBSOA, Games 1908,1906,1953, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd			
10/14/2013 15:29	7030908	Processing Fee	\$ 57.00		\$ 1,890.88
10/14/2013 15:29	7030908		\$ 0.91		\$ 1,889.97
10/14/2013 15:29		(102332)Association:PBSOA, Games 1899,1912,1957,1959,1964, Additions & Deductions \$0.00, deduction1099 \$0.00, McElroy, James			
10/14/2013 15:29	7030912	Processing Fee	\$ 122.00		\$ 1,767.97
10/14/2013 15:29	7030912		\$ 1.06		\$ 1,766.91
10/14/2013 15:29		(102332)Association:PBSOA, Games 1908,1946,1952, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Erin			
10/14/2013 15:29	7030916	Processing Fee	\$ 54.00		\$ 1,712.91
10/14/2013 15:29	7030916		\$ 0.91		\$ 1,712.00

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
	Transaction Number	Transaction Description	Debit	Credit	Balance
10/14/2013 15:29	7030920	(102332)Association:PBSOA, Games 1927,1923,1933,1954, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Grant	\$ 56.00		\$ 1,656.00
10/14/2013 15:29	7030920	Processing Fee	\$ 0.91		\$ 1,655.09
10/14/2013 15:29		(102332)Association:PBSOA, Games 1898,1919,1950,1955,1961, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jacob	\$ 94.00		\$ 1,561.09
10/14/2013 15:29	7030924	Processing Fee	\$ 1.06		\$ 1,560.03
10/14/2013 15:29		(102332)Association:PBSOA, Games 1941,1945, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jonathan	\$ 32.00		\$ 1,528.03
10/14/2013 15:29	7030928	Processing Fee	\$ 0.91		\$ 1,527.12
10/14/2013 15:29		(102332)Association:PBSOA, Games 1721,1820,1826,1843,1851, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 91.00		\$ 1,436.12
10/14/2013 15:29	7030932	Processing Fee	\$ 1.06		\$ 1,435.06
10/14/2013 15:29		(102332)Association:PBSOA, Games 1864,1861, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 28.00		\$ 1,407.06
10/14/2013 15:29	7030936	Processing Fee	\$ 0.91		\$ 1,406.15
10/14/2013 15:29		(102332)Association:PBSOA, Games 1940,1943,1950, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 62.00		\$ 1,344.15
10/14/2013 15:29	7030940	Processing Fee	\$ 0.91		\$ 1,343.24
10/14/2013 15:29		(102332)Association:PBSOA, Games 1921,1925,1949, Additions & Deductions \$0.00, deduction1099 \$0.00, Robinson, David	\$ 40.00		\$ 1,303.24
10/14/2013 15:29	7030944	Processing Fee	\$ 0.91		\$ 1,302.33
10/14/2013 15:29		(102332)Association:PBSOA, Games 1920,1901,1949,1959,1964, Additions & Deductions \$0.00, deduction1099 \$0.00, Rust, Michael	\$ 76.00		\$ 1,226.33
10/14/2013 15:29	7030948	Processing Fee	\$ 1.06		\$ 1,225.27

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/14/2013 15:29	7030952	(102332)Association:PBSOA, Games 1940, Additions & Deductions \$0.00, deduction1099 \$0.00, Schaefer (NR), Christoph	\$ 35.00		\$ 1,190.27
10/14/2013 15:29	7030952	Processing Fee	\$ 0.91		\$ 1,189.36
10/14/2013 15:29		(102332)Association:PBSOA, Games			
10/14/2013 15:29	7030956	1922,1930,1913,1934,1959,1960, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Nick	\$ 68.00		\$ 1,121.36
10/14/2013 15:29	7030956	Processing Fee	\$ 0.91		\$ 1,120.45
10/14/2013 15:29		(102332)Association:PBSOA, Games 1926, Additions & Deductions \$0.00, deduction1099 \$0.00, Smith, Charles	\$ 14.00		\$ 1,106.45
10/14/2013 15:29	7030960	Processing Fee	\$ 0.91		\$ 1,105.54
10/14/2013 15:29		(102332)Association:PBSOA, Games			
10/14/2013 15:29	7030964	1910,1945,1939,1958,1962, Additions & Deductions \$0.00, deduction1099 \$0.00, Stoner, Todd	\$ 124.00		\$ 981.54
10/14/2013 15:29	7030964	Processing Fee	\$ 1.06		\$ 980.48
10/14/2013 15:29		(102332)Association:PBSOA, Games			
10/14/2013 15:29	7030968	1902,1911,1952,1956,1963, Additions & Deductions \$0.00, deduction1099 \$0.00, Swartzfager, Ashton	\$ 112.00		\$ 868.48
10/14/2013 15:29	7030968	Processing Fee	\$ 1.06		\$ 867.42
10/14/2013 15:29		(102332)Association:PBSOA, Games 1914,1917,1939, Additions & Deductions \$0.00, deduction1099 \$0.00, Tabb, Mason	\$ 88.00		\$ 779.42
10/14/2013 15:29	7030972	Processing Fee	\$ 1.06		\$ 778.36
10/14/2013 15:29		(102332)Association:PBSOA, Games 1916,1947,1953, Additions & Deductions \$0.00, deduction1099 \$0.00, Tabb, Zac	\$ 79.00		\$ 699.36
10/14/2013 15:29	7030976	Processing Fee	\$ 1.06		\$ 698.30
10/14/2013 15:29		(102332)Association:PBSOA, Games			
10/14/2013 15:29	7030980	1904,1900,1937,1956,1963, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 82.00		\$ 616.30
10/14/2013 15:29	7030980	Processing Fee	\$ 1.06		\$ 615.24

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
	Transaction Number	Transaction Description	Debit	Credit	Balance
Date / Time					
10/14/2013 15:29	7030984	(102332)Association:PBSOA, Games 1907,1962, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carlton	\$ 30.00		\$ 585.24
10/14/2013 15:29	7030984	Processing Fee	\$ 0.91		\$ 584.33
10/22/2013 18:24	7138068	(102332)Association:PBSOA, Games 1870,1873, Additions & Deductions \$0.00, deduction1099 \$0.00, Luther, Haley	\$ 20.00		\$ 564.33
10/22/2013 18:24	7138068	Processing Fee	\$ 0.91		\$ 563.42
10/22/2013 18:24	7138072	(102332)Association:PBSOA, Games 1942,1945,1951, Additions & Deductions \$0.00, deduction1099 \$0.00, Luther, Haley	\$ 44.00		\$ 519.42
10/22/2013 18:24	7138072	Processing Fee	\$ 0.91		\$ 518.51
10/22/2013 18:31	7138094	(102332)Association:PBSOA, Games 2014,2027,2035, Additions & Deductions \$0.00, deduction1099 \$0.00, Garner, Doug	\$ 42.00		\$ 476.51
10/22/2013 18:31	7138094	Processing Fee	\$ 0.91		\$ 475.60
10/22/2013 18:31	7138098	(102332)Association:PBSOA, Games 2013,2023, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Grant	\$ 28.00		\$ 447.60
10/22/2013 18:31	7138098	Processing Fee	\$ 0.91		\$ 446.69
10/22/2013 18:31	7138102	(102332)Association:PBSOA, Games 2008,2017,2030,2042, Additions & Deductions \$0.00, deduction1099 \$0.00, Mulligan, Lonnie	\$ 48.00		\$ 398.69
10/22/2013 18:31	7138102	Processing Fee	\$ 0.91		\$ 397.78
10/22/2013 18:31	7138106	(102332)Association:PBSOA, Games 2012,2025,2036, Additions & Deductions \$0.00, deduction1099 \$0.00, Robinson, David	\$ 42.00		\$ 355.78
10/22/2013 18:31	7138106	Processing Fee	\$ 0.91		\$ 354.87
10/22/2013 18:31	7138110	(102332)Association:PBSOA, Games 2005, Additions & Deductions \$0.00, deduction1099 \$0.00, Seymour, Kyren	\$ 14.00		\$ 340.87
10/22/2013 18:31	7138110	Processing Fee	\$ 0.91		\$ 339.96

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/22/2013 18:31	7138114	(102332)Association:PBSOA, Games 2005,2020,2032,2043,2034, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 62.00		\$ 277.96
10/22/2013 18:31	7138114	Processing Fee	\$ 0.91		\$ 277.05
		(102332)Association:PBSOA, Games 2016,2024,2037,2042, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Nick			
10/22/2013 18:31	7138118	Processing Fee	\$ 56.00		\$ 221.05
10/22/2013 18:31	7138118		\$ 0.91		\$ 220.14
		(102332)Association:PBSOA, Games 2015,2026, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan			
10/22/2013 18:31	7138122	Processing Fee	\$ 28.00		\$ 192.14
10/22/2013 18:31	7138122		\$ 0.91		\$ 191.23
		(102332)Association:PBSOA, Games 2007,2028, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Taytum			
10/22/2013 18:31	7138126	Processing Fee	\$ 28.00		\$ 163.23
10/22/2013 18:31	7138126		\$ 0.91		\$ 162.32
		(102332)Association:PBSOA, Games 2010,2020,2032,2034, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach			
10/22/2013 18:31	7138130	Processing Fee	\$ 84.00		\$ 78.32
10/22/2013 18:31	7138130		\$ 1.06		\$ 77.26
		(102332)Association:PBSOA, Games 2008,2017,2031, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Betsy			
10/22/2013 18:37	7138160	Processing Fee	\$ 34.00		\$ 43.26
10/22/2013 18:37	7138160		\$ 0.91		\$ 42.35
		(102332)Association:PBSOA, Games 2006,2019,2032, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Maggie			
10/22/2013 18:37	7138164	Processing Fee	\$ 34.00		\$ 8.35
10/22/2013 18:37	7138164		\$ 0.91		\$ 7.44
10/24/2013 11:14	7096616	Upload Funds into RefPay (EFT)		7,500.00	\$ 7,507.44
		(102332)Association:PBSOA, Games 2011, Additions & Deductions \$0.00, deduction1099 \$0.00, Acred, Jr, Adam (A)			
10/24/2013 12:01	7155869	Processing Fee	\$ 14.00		\$ 7,493.44
10/24/2013 12:01	7155869		\$ 0.91		\$ 7,492.53

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
	Transaction Number	Transaction Description	Debit	Credit	Balance
10/24/2013 12:01	7155873	(102332)Association:PBSOA, Games 2009,2021,2029,2041, Additions & Deductions \$0.00, deduction1099 \$0.00, Bookout, Taylor	\$ 48.00		\$ 7,444.53
10/24/2013 12:01	7155873	Processing Fee	\$ 0.91		\$ 7,443.62
10/24/2013 12:01		(102332)Association:PBSOA, Games 2007,2019,2029,2033, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb			
10/24/2013 12:01	7155877	Processing Fee	\$ 48.00		\$ 7,395.62
10/24/2013 12:01	7155877	Processing Fee	\$ 0.91		\$ 7,394.71
10/24/2013 12:01		(102332)Association:PBSOA, Games 2021,2040,2033, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan			
10/24/2013 12:01	7155885	Processing Fee	\$ 38.00		\$ 7,356.71
10/24/2013 12:01	7155885	Processing Fee	\$ 0.91		\$ 7,355.80
10/24/2013 12:01		(102332)Association:PBSOA, Games 2022,2030,2043, Additions & Deductions \$0.00, deduction1099 \$0.00, Hennis, Timothy (TJ)			
10/24/2013 12:01	7155893	Processing Fee	\$ 38.00		\$ 7,317.80
10/24/2013 12:01	7155893	Processing Fee	\$ 0.91		\$ 7,316.89
10/24/2013 12:01		(102332)Association:PBSOA, Games 2008,2021,2031,2033, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd			
10/24/2013 12:01	7155901	Processing Fee	\$ 84.00		\$ 7,232.89
10/24/2013 12:01	7155901	Processing Fee	\$ 1.06		\$ 7,231.83
10/24/2013 12:01		(102332)Association:PBSOA, Games 2006,2017,2029,2043, Additions & Deductions \$0.00, deduction1099 \$0.00, McGlinchey, John			
10/24/2013 12:01	7155909	Processing Fee	\$ 84.00		\$ 7,147.83
10/24/2013 12:01	7155909	Processing Fee	\$ 1.06		\$ 7,146.77
10/24/2013 12:01		(102332)Association:PBSOA, Games 2009,2018,2044,2041, Additions & Deductions \$0.00, deduction1099 \$0.00, Mistich, Kyle			
10/24/2013 12:01	7155914	Processing Fee	\$ 48.00		\$ 7,098.77
10/24/2013 12:01	7155914	Processing Fee	\$ 0.91		\$ 7,097.86
10/24/2013 12:01		(102332)Association:PBSOA, Games 1915,1947, Additions & Deductions \$0.00, deduction1099 \$0.00, Mitchell, Madison			
10/24/2013 12:01	7155921	Processing Fee	\$ 26.00		\$ 7,071.86
10/24/2013 12:01	7155921	Processing Fee	\$ 0.91		\$ 7,070.95

Account Number	Account Type	Currency	Description	Current Balance	
1398525160	Assoc. Main	USD		\$ 3,151.78	
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/24/2013 12:01	7155925	(102332)Association:PBSOA, Games 2006,2018,2031, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 34.00		\$ 7,036.95
10/24/2013 12:01	7155925	Processing Fee	\$ 0.91		\$ 7,036.04
10/24/2013 12:01	7155933	(102332)Association:PBSOA, Games 2007,2018,2030,2041, Additions & Deductions \$0.00, deduction1099 \$0.00, Rock, Mitchell	\$ 84.00		\$ 6,952.04
10/24/2013 12:01	7155933	Processing Fee	\$ 1.06		\$ 6,950.98
10/24/2013 12:01	7155937	(102332)Association:PBSOA, Games 2009,2019,2039, Additions & Deductions \$0.00, deduction1099 \$0.00, Rust, Michael	\$ 56.00		\$ 6,894.98
10/24/2013 12:01	7155937	Processing Fee	\$ 0.91		\$ 6,894.07
10/24/2013 12:01	7155941	(102332)Association:PBSOA, Games 2038,2034, Additions & Deductions \$0.00, deduction1099 \$0.00, Smith, Charles	\$ 28.00		\$ 6,866.07
10/24/2013 12:01	7155941	Processing Fee	\$ 0.91		\$ 6,865.16
10/24/2013 12:01	7155949	(102332)Association:PBSOA, Games 2005,2022,2044,2042, Additions & Deductions \$0.00, deduction1099 \$0.00, Swartzfager, Ashton	\$ 90.00		\$ 6,775.16
10/24/2013 12:01	7155949	Processing Fee	\$ 1.06		\$ 6,774.10
10/24/2013 12:01	7155957	(102332)Association:PBSOA, Games 2010,2022, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carlton	\$ 28.00		\$ 6,746.10
10/24/2013 12:01	7155957	Processing Fee	\$ 0.91		\$ 6,745.19
10/24/2013 12:01	7155961	(102332)Association:PBSOA, Games 2010,2020,2044, Additions & Deductions \$0.00, deduction1099 \$0.00, White, Kyle	\$ 34.00		\$ 6,711.19
10/24/2013 12:01	7155961	Processing Fee	\$ 0.91		\$ 6,710.28
10/28/2013 12:00	7195663	(102332)Association:PBSOA, Games 2052,2061, Additions & Deductions \$0.00, deduction1099 \$0.00, Acred, Jr, Adam (AJ)	\$ 24.00		\$ 6,686.28
10/28/2013 12:00	7195663	Processing Fee	\$ 0.91		\$ 6,685.37

Account Number	Account Type	Currency	Description	Current Balance	
1398525160	Assoc. Main	USD		\$ 3,151.78	
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/28/2013 12:00	7195667	(102332)Association:PBSOA, Games 2049,2070, Additions & Deductions \$0.00, deduction1099 \$0.00, Anderson, Luke	\$ 24.00		\$ 6,661.37
10/28/2013 12:00	7195667	Processing Fee	\$ 0.91		\$ 6,660.46
10/28/2013 12:00	7195671	(102332)Association:PBSOA, Games 2054,2065,2099, Additions & Deductions \$0.00, deduction1099 \$0.00, Beck, Daniel	\$ 57.00		\$ 6,603.46
10/28/2013 12:00	7195671	Processing Fee	\$ 0.91		\$ 6,602.55
10/28/2013 12:00	7195675	(102332)Association:PBSOA, Games 2047,2071, Additions & Deductions \$0.00, deduction1099 \$0.00, Carpenter, Erin	\$ 24.00		\$ 6,578.55
10/28/2013 12:00	7195675	Processing Fee	\$ 0.91		\$ 6,577.64
10/28/2013 12:00	7195679	(102332)Association:PBSOA, Games 2048,2064, Additions & Deductions \$0.00, deduction1099 \$0.00, Clark, Stacey	\$ 36.00		\$ 6,541.64
10/28/2013 12:00	7195679	Processing Fee	\$ 0.91		\$ 6,540.73
10/28/2013 12:00	7195683	(102332)Association:PBSOA, Games 2061,2080, Additions & Deductions \$0.00, deduction1099 \$0.00, Dale, Jonathan	\$ 20.00		\$ 6,520.73
10/28/2013 12:00	7195683	Processing Fee	\$ 0.91		\$ 6,519.82
10/28/2013 12:00	7195687	(102332)Association:PBSOA, Games 2051,2063, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 24.00		\$ 6,495.82
10/28/2013 12:00	7195687	Processing Fee	\$ 0.91		\$ 6,494.91
10/28/2013 12:00	7195691	(102332)Association:PBSOA, Games 2096,2064,2084, Additions & Deductions \$0.00, deduction1099 \$0.00, Gunter, Rayna	\$ 49.00		\$ 6,445.91
10/28/2013 12:00	7195691	Processing Fee	\$ 0.91		\$ 6,445.00
10/28/2013 12:00	7195695	(102332)Association:PBSOA, Games 2076,2091, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan	\$ 28.00		\$ 6,417.00
10/28/2013 12:00	7195695	Processing Fee	\$ 0.91		\$ 6,416.09

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/28/2013 12:00	7195699	(102332)Association:PBSOA, Games 2052,2063, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Kenneth "Tim"	\$ 42.00		\$ 6,374.09
10/28/2013 12:00	7195699	Processing Fee	\$ 0.91		\$ 6,373.18
10/28/2013 12:00	7195703	(102332)Association:PBSOA, Games 2068,2079,2093,2094, Additions & Deductions \$0.00, deduction1099 \$0.00, Hines, III, Peyton	\$ 112.00		\$ 6,261.18
10/28/2013 12:00	7195703	Processing Fee	\$ 1.06		\$ 6,260.12
10/28/2013 12:00	7195707	(102332)Association:PBSOA, Games 2096, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, Jay	\$ 35.00		\$ 6,225.12
10/28/2013 12:00	7195707	Processing Fee	\$ 0.91		\$ 6,224.21
10/28/2013 12:00	7195711	(102332)Association:PBSOA, Games 2096, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, Jessica	\$ 25.00		\$ 6,199.21
10/28/2013 12:00	7195711	Processing Fee	\$ 0.91		\$ 6,198.30
10/28/2013 12:00	7195715	(102332)Association:PBSOA, Games 2069,2081,2100,2102, Additions & Deductions \$0.00, deduction1099 \$0.00, King, Ron	\$ 97.00		\$ 6,101.30
10/28/2013 12:00	7195715	Processing Fee	\$ 1.06		\$ 6,100.24
10/28/2013 12:00	7195719	(102332)Association:PBSOA, Games 2053,2077,2099,2093,2094,2095, Additions & Deductions \$0.00, deduction1099 \$0.00, Luker, Bradley	\$ 188.00		\$ 5,912.24
10/28/2013 12:00	7195719	Processing Fee	\$ 1.33		\$ 5,910.91
10/28/2013 12:00	7195723	(102332)Association:PBSOA, Games 2072,2081, Additions & Deductions \$0.00, deduction1099 \$0.00, Majors, Benjamin	\$ 24.00		\$ 5,886.91
10/28/2013 12:00	7195723	Processing Fee	\$ 0.91		\$ 5,886.00
10/28/2013 12:00	7195727	(102332)Association:PBSOA, Games 2055,2067,2086,2100,2102,2085, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 117.00		\$ 5,769.00
10/28/2013 12:00	7195727	Processing Fee	\$ 1.06		\$ 5,767.94
10/28/2013 12:00	7195731	(102332)Association:PBSOA, Games 2052,2072, Additions & Deductions \$0.00, deduction1099 \$0.00, McCall, Austin	\$ 28.00		\$ 5,739.94

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/28/2013 12:00	7195731	Processing Fee	\$ 0.91		\$ 5,739.03
		(102332)Association:PBSOA, Games 2051,2066,2082, Additions & Deductions \$0.00, deduction1099 \$0.00, McElroy, James			
10/28/2013 12:00	7195735	Processing Fee	\$ 46.00		\$ 5,693.03
		(102332)Association:PBSOA, Games 2053,2062,2100,2104,2085, Additions & Deductions \$0.00, deduction1099 \$0.00, McGlinchey, John			
10/28/2013 12:00	7195739	Processing Fee	\$ 101.00		\$ 5,591.12
		(102332)Association:PBSOA, Games 2049,2067,2082, Additions & Deductions \$0.00, deduction1099 \$0.00, Week, Keith			
10/28/2013 12:00	7195743	Processing Fee	\$ 56.00		\$ 5,534.06
		(102332)Association:PBSOA, Games 2053,2061,2084, Additions & Deductions \$0.00, deduction1099 \$0.00, Miller, Jett			
10/28/2013 12:00	7195747	Processing Fee	\$ 20.00		\$ 5,513.15
		(102332)Association:PBSOA, Games 2048,2069, Additions & Deductions \$0.00, deduction1099 \$0.00, Mistich, Kyle			
10/28/2013 12:00	7195751	Processing Fee	\$ 56.00		\$ 5,456.24
		(102332)Association:PBSOA, Games 2053,2062,2079, Additions & Deductions \$0.00, deduction1099 \$0.00, Mitchell, Madison			
10/28/2013 12:00	7195755	Processing Fee	\$ 24.00		\$ 5,431.33
		(102332)Association:PBSOA, Games 2051,2098,2099,2093,2094, Additions & Deductions \$0.00, deduction1099 \$0.00, Marco			
10/28/2013 12:00	7195759	Processing Fee	\$ 20.00		\$ 5,410.42
		(102332)Association:PBSOA, Games 2051,2098,2099,2093,2094, Additions & Deductions \$0.00, deduction1099 \$0.00, Marco			
10/28/2013 12:01	7195763	Processing Fee	\$ 174.00		\$ 5,235.51
		(102332)Association:PBSOA, Games 2051,2098,2099,2093,2094, Additions & Deductions \$0.00, deduction1099 \$0.00, Marco			
10/28/2013 12:01	7195763	Processing Fee	\$ 1.33		\$ 5,234.18

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/28/2013 12:01	7195767	(102332)Association:PBSOA, Games 2068,2083, Additions & Deductions \$0.00, deduction1099 \$0.00, Mulligan, Lonnie	\$ 28.00		\$ 5,206.18
10/28/2013 12:01	7195767	Processing Fee	\$ 0.91		\$ 5,205.27
10/28/2013 12:01	7195771	(102332)Association:PBSOA, Games 2050,2069,2084, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 38.00		\$ 5,167.27
10/28/2013 12:01	7195771	Processing Fee	\$ 0.91		\$ 5,166.36
10/28/2013 12:01	7195775	(102332)Association:PBSOA, Games 2059,2078, Additions & Deductions \$0.00, deduction1099 \$0.00, Robinson, David	\$ 28.00		\$ 5,138.36
10/28/2013 12:01	7195775	Processing Fee	\$ 0.91		\$ 5,137.45
10/28/2013 12:01	7195779	(102332)Association:PBSOA, Games 2047,2072,2080,2103,2107,2102, Additions & Deductions \$0.00, deduction1099 \$0.00, Rock, Mitchell	\$ 118.00		\$ 5,019.45
10/28/2013 12:01	7195779	Processing Fee	\$ 1.06		\$ 5,018.39
10/28/2013 12:01	7195783	(102332)Association:PBSOA, Games 2056,2074,2087, Additions & Deductions \$0.00, deduction1099 \$0.00, Rust, Michael	\$ 42.00		\$ 4,976.39
10/28/2013 12:01	7195783	Processing Fee	\$ 0.91		\$ 4,975.48
10/28/2013 12:01	7195787	(102332)Association:PBSOA, Games 2063,2080, Additions & Deductions \$0.00, deduction1099 \$0.00, Sayre, Owen	\$ 20.00		\$ 4,955.48
10/28/2013 12:01	7195787	Processing Fee	\$ 0.91		\$ 4,954.57
10/28/2013 12:01	7195791	(102332)Association:PBSOA, Games 2048,2098,2101,2060,2095, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 120.00		\$ 4,834.57
10/28/2013 12:01	7195791	Processing Fee	\$ 1.06		\$ 4,833.51
10/28/2013 12:01	7195795	(102332)Association:PBSOA, Games 2058,2073,2101, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Nick	\$ 48.00		\$ 4,785.51
10/28/2013 12:01	7195795	Processing Fee	\$ 0.91		\$ 4,784.60

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/28/2013 12:01	7195799	(102332)Association:PBSOA, Games 2088,2105,2106, Additions & Deductions \$0.00, deduction1099 \$0.00, Smith, Charles	\$ 28.00		\$ 4,756.60
10/28/2013 12:01	7195799	Processing Fee	\$ 0.91		\$ 4,755.69
10/28/2013 12:01	7195803	(102332)Association:PBSOA, Games 2050,2071, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Maggie	\$ 24.00		\$ 4,731.69
10/28/2013 12:01	7195803	Processing Fee	\$ 0.91		\$ 4,730.78
10/28/2013 12:01	7195807	(102332)Association:PBSOA, Games 2070, Additions & Deductions \$0.00, deduction1099 \$0.00, Stoner, Kyle	\$ 24.00		\$ 4,706.78
10/28/2013 12:01	7195807	Processing Fee	\$ 0.91		\$ 4,705.87
10/28/2013 12:01	7195811	(102332)Association:PBSOA, Games 2097,2081,2060,2095, Additions & Deductions \$0.00, deduction1099 \$0.00, Stoner, Timothy	\$ 100.00		\$ 4,605.87
10/28/2013 12:01	7195811	Processing Fee	\$ 1.06		\$ 4,604.81
10/28/2013 12:01	7195815	(102332)Association:PBSOA, Games 2097,2083,2101,2060,2085, Additions & Deductions \$0.00, deduction1099 \$0.00, Stoner, Todd	\$ 159.00		\$ 4,445.81
10/28/2013 12:01	7195815	Processing Fee	\$ 1.33		\$ 4,444.48
10/28/2013 12:01	7195820	(102332)Association:PBSOA, Games 2050,2071, Additions & Deductions \$0.00, deduction1099 \$0.00, Swartzfager, Ashton	\$ 42.00		\$ 4,402.48
10/28/2013 12:01	7195820	Processing Fee	\$ 0.91		\$ 4,401.57
10/28/2013 12:01	7195824	(102332)Association:PBSOA, Games 2097,2082, Additions & Deductions \$0.00, deduction1099 \$0.00, Tabb, Mason	\$ 49.00		\$ 4,352.57
10/28/2013 12:01	7195824	Processing Fee	\$ 0.91		\$ 4,351.66
10/28/2013 12:01	7195828	(102332)Association:PBSOA, Games 2098,2083, Additions & Deductions \$0.00, deduction1099 \$0.00, Tabb, Zac	\$ 49.00		\$ 4,302.66
10/28/2013 12:01	7195828	Processing Fee	\$ 0.91		\$ 4,301.75

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/28/2013 12:01	7195832	(102332)Association:PBSOA, Games 2057,2075,2090, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan	\$ 42.00		\$ 4,259.75
10/28/2013 12:01	7195832	Processing Fee	\$ 0.91		\$ 4,258.84
10/28/2013 12:01		(102332)Association:PBSOA, Games 2047,2068,2089, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Taytum			
10/28/2013 12:01	7195836		\$ 38.00		\$ 4,220.84
10/28/2013 12:01	7195836	Processing Fee	\$ 0.91		\$ 4,219.93
10/28/2013 12:01		(102332)Association:PBSOA, Games 2049,2070, Additions & Deductions \$0.00, deduction1099 \$0.00, Wallace, Dakota			
10/28/2013 12:01	7195840		\$ 24.00		\$ 4,195.93
10/28/2013 12:01	7195840	Processing Fee	\$ 0.91		\$ 4,195.02
10/31/2013 11:12		(102332)Association:PBSOA, Games 2128, Additions & Deductions \$0.00, deduction1099 \$0.00, Anderson, Luke	\$ 10.00		\$ 4,185.02
10/31/2013 11:12	7234756		\$ 0.91		\$ 4,184.11
10/31/2013 11:12		(102332)Association:PBSOA, Games 2127, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 10.00		\$ 4,174.11
10/31/2013 11:12	7234760		\$ 0.91		\$ 4,173.20
10/31/2013 11:12		(102332)Association:PBSOA, Games 2122, Additions & Deductions \$0.00, deduction1099 \$0.00, Gunter, Rayna	\$ 14.00		\$ 4,159.20
10/31/2013 11:12	7234764		\$ 0.91		\$ 4,158.29
10/31/2013 11:12		(102332)Association:PBSOA, Games 2118,2132, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, Jay	\$ 32.00		\$ 4,126.29
10/31/2013 11:12	7234768		\$ 0.91		\$ 4,125.38
10/31/2013 11:12		(102332)Association:PBSOA, Games 2116, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, Jessica	\$ 10.00		\$ 4,115.38
10/31/2013 11:12	7234772		\$ 0.91		\$ 4,114.47
10/31/2013 11:12		(102332)Association:PBSOA, Games 2112,2116,2125,2129,2133,2135, Additions & Deductions \$0.00, deduction1099 \$0.00, Linares, Julio	\$ 88.00		\$ 4,026.47
10/31/2013 11:12	7234776		\$ 1.06		\$ 4,025.41
10/31/2013 11:12	7234776	Processing Fee			

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/31/2013 11:12	7234780	(102332)Association:PBSOA, Games 2109,2121, Additions & Deductions \$0.00, deduction1099 \$0.00, Luker, Bradley	\$ 38.00		\$ 3,987.41
10/31/2013 11:12	7234780	Processing Fee	\$ 0.91		\$ 3,986.50
10/31/2013 11:12	7234784	(102332)Association:PBSOA, Games 2123,2131, Additions & Deductions \$0.00, deduction1099 \$0.00, Lunceford, Ryan	\$ 28.00		\$ 3,958.50
10/31/2013 11:12	7234784	Processing Fee	\$ 0.91		\$ 3,957.59
10/31/2013 11:12	7234788	(102332)Association:PBSOA, Games 2118, Additions & Deductions \$0.00, deduction1099 \$0.00, Luther, Haley	\$ 10.00		\$ 3,947.59
10/31/2013 11:12	7234788	Processing Fee	\$ 0.91		\$ 3,946.68
10/31/2013 11:12	7234792	(102332)Association:PBSOA, Games 2120,2123,2131, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 42.00		\$ 3,904.68
10/31/2013 11:12	7234792	Processing Fee	\$ 0.91		\$ 3,903.77
10/31/2013 11:12	7234796	(102332)Association:PBSOA, Games 2111,2115,2123,2131, Additions & Deductions \$0.00, deduction1099 \$0.00, McGlinchey, John	\$ 80.00		\$ 3,823.77
10/31/2013 11:12	7234796	Processing Fee	\$ 1.06		\$ 3,822.71
10/31/2013 11:12	7234800	(102332)Association:PBSOA, Games 2128, Additions & Deductions \$0.00, deduction1099 \$0.00, Meek, Keith	\$ 18.00		\$ 3,804.71
10/31/2013 11:12	7234800	Processing Fee	\$ 0.91		\$ 3,803.80
10/31/2013 11:12	7234804	(102332)Association:PBSOA, Games 2115, Additions & Deductions \$0.00, deduction1099 \$0.00, Mistich, Kyle	\$ 10.00		\$ 3,793.80
10/31/2013 11:12	7234804	Processing Fee	\$ 0.91		\$ 3,792.89
10/31/2013 11:12	7234808	(102332)Association:PBSOA, Games 2118, Additions & Deductions \$0.00, deduction1099 \$0.00, Mitchell, Madison	\$ 10.00		\$ 3,782.89
10/31/2013 11:12	7234808	Processing Fee	\$ 0.91		\$ 3,781.98
10/31/2013 11:12	7234812	(102332)Association:PBSOA, Games 2115, Additions & Deductions \$0.00, deduction1099 \$0.00, Mulligan, Lonnie	\$ 10.00		\$ 3,771.98
10/31/2013 11:12	7234812	Processing Fee	\$ 0.91		\$ 3,771.07

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/31/2013 11:12	7234816	(102332)Association:PBSOA, Games 2121, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 14.00		\$ 3,757.07
10/31/2013 11:12	7234816	Processing Fee	\$ 0.91		\$ 3,756.16
10/31/2013 11:12	7234820	(102332)Association:PBSOA, Games 2122, Additions & Deductions \$0.00, deduction1099 \$0.00, Rock, Mitchell	\$ 24.00		\$ 3,732.16
10/31/2013 11:12	7234820	Processing Fee	\$ 0.91		\$ 3,731.25
10/31/2013 11:12	7234824	(102332)Association:PBSOA, Games 2113,2120, Additions & Deductions \$0.00, deduction1099 \$0.00, Schaefer (NR), Christoph	\$ 38.00		\$ 3,693.25
10/31/2013 11:12	7234824	Processing Fee	\$ 0.91		\$ 3,692.34
10/31/2013 11:12	7234828	(102332)Association:PBSOA, Games 2120, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 14.00		\$ 3,678.34
10/31/2013 11:12	7234828	Processing Fee	\$ 0.91		\$ 3,677.43
10/31/2013 11:12	7234832	(102332)Association:PBSOA, Games, Additions & Deductions \$14.00, deduction1099 \$14.00, Smith, Charles	\$ 14.00		\$ 3,663.43
10/31/2013 11:12	7234832	Processing Fee	\$ 0.91		\$ 3,662.52
10/31/2013 11:12	7234836	(102332)Association:PBSOA, Games 2110,2116,2124, Additions & Deductions \$0.00, deduction1099 \$0.00, Smith, Charles	\$ 38.00		\$ 3,624.52
10/31/2013 11:12	7234836	Processing Fee	\$ 0.91		\$ 3,623.61
10/31/2013 11:12	7234840	(102332)Association:PBSOA, Games 2117, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Maggie	\$ 10.00		\$ 3,613.61
10/31/2013 11:12	7234840	Processing Fee	\$ 0.91		\$ 3,612.70
10/31/2013 11:12	7234844	(102332)Association:PBSOA, Games 2114,2119,2126,2127, Additions & Deductions \$0.00, deduction1099 \$0.00, Stoner, Todd	\$ 70.00		\$ 3,542.70
10/31/2013 11:12	7234844	Processing Fee	\$ 0.91		\$ 3,541.79
10/31/2013 11:12	7234848	(102332)Association:PBSOA, Games 2121,2127, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan	\$ 24.00		\$ 3,517.79
10/31/2013 11:12	7234848	Processing Fee	\$ 0.91		\$ 3,516.88

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
10/31/2013 11:12	7234852	(102332)Association:PBSOA, Games 2122,2128, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Taytum Processing Fee	\$ 24.00		\$ 3,492.88
10/31/2013 11:12	7234852	(102332)Association:PBSOA, Games 2117, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach Processing Fee	\$ 18.00		\$ 3,473.97
10/31/2013 11:12	7234856	(102332)Association:PBSOA, Games 2117, Additions & Deductions \$0.00, deduction1099 \$0.00, Wallace, Dakota Processing Fee	\$ 10.00		\$ 3,463.06
10/31/2013 11:12	7234860	(102332)Association:PBSOA, Games 2119,2130,2134, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carlton Processing Fee	\$ 42.00		\$ 3,420.15
10/31/2013 11:12	7234864	(102332)Association:PBSOA, Games 2046, Additions & Deductions \$0.00, deduction1099 \$0.00, Smith, Charles Processing Fee	\$ 14.00		\$ 3,405.24
10/31/2013 11:12	7234864	(102332)Association:PBSOA, Games 2065,2079, Additions & Deductions \$0.00, deduction1099 \$0.00, Golson, Caleb Processing Fee	\$ 20.00		\$ 3,355.42
10/31/2013 11:12	7234864	(102332)Association:PBSOA, Games 2136,2137, Additions & Deductions \$0.00, deduction1099 \$0.00, Linares, Julio Processing Fee	\$ 70.00		\$ 3,284.51
10/31/2013 11:12	7234856	(102332)Association:PBSOA, Games 2136,2137, Additions & Deductions \$0.00, deduction1099 \$0.00, Smith, Charles Processing Fee	\$ 60.00		\$ 3,223.60

	Account Number	Account Type	Currency	Description	Current Balance
	1398525160	Assoc. Main	USD		\$ 3,151.78
Date / Time	Transaction Number	Transaction Description	Debit	Credit	Balance
11/10/2013 17:14	7324501	Processing Fee	\$ 0.91		\$ 3,222.69
11/10/2013 17:14	7324505	(102332)Association:PBSOA, Games 2136,2137, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 70.00		\$ 3,152.69
11/10/2013 17:14	7324505	Processing Fee	\$ 0.91	Ending Balance	\$ 3,151.78
			\$ 19,404.75	\$ 22,556.53	
		Payouts plus Credits including beginning balance of \$56.53	\$ (19,404.75)	\$ 22,556.53	\$ 3,151.78

Date	Account #	Account Type	Currency	Description	Balance
02/01/14	1398525160	Assoc. Main	USD	Starting Balance	\$ 3,123.78
04/14/14	1398525160	Assoc. Main	USD	Current Balance	\$ 12.93
Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
2/17/2014 16:29	8356839	(102332)Association:PBSOA, Games 70,78, Additions & Deductions \$0.00, deduction1099 \$0.00, Acred, AJ	\$ 28.00		\$ 3,123.78
2/17/2014 16:29	8356843	(102332)Association:PBSOA, Games 71,73,69, Additions & Deductions \$0.00, deduction1099 \$0.00, Anderson, Luke	\$ 38.00		\$ 3,084.87
2/17/2014 16:29	8356847	(102332)Association:PBSOA, Games 65,72,78, Additions & Deductions \$0.00, deduction1099 \$0.00, Clark, Stacey	\$ 58.00		\$ 3,025.96
2/17/2014 16:29	8356851	(102332)Association:PBSOA, Games 60, Additions & Deductions \$0.00, deduction1099 \$0.00, Dale, Jonathan	\$ 10.00		\$ 3,015.05
2/17/2014 16:29	8356855	(102332)Association:PBSOA, Games 76,74, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 28.00		\$ 2,986.14
2/17/2014 16:29	8356859	(102332)Association:PBSOA, Games 60,62, Additions & Deductions \$0.00, deduction1099 \$0.00, Dye, Cody	\$ 20.00		\$ 2,965.23
2/17/2014 16:29	8356863	(102332)Association:PBSOA, Games 41,43, Additions & Deductions \$0.00, deduction1099 \$0.00, Garner, Doug	\$ 28.00		\$ 2,936.32
2/17/2014 16:29	8356867	(102332)Association:PBSOA, Games 59,62, Additions & Deductions \$0.00, deduction1099 \$0.00, Hall, Carson	\$ 20.00		\$ 2,915.41
2/17/2014 16:29	8356871	(102332)Association:PBSOA, Games 52,56, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan	\$ 28.00		\$ 2,886.50
2/17/2014 16:29	8356875	(102332)Association:PBSOA, Games 76,73,67, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Kenneth "Tim"	\$ 58.00		\$ 2,827.59
2/17/2014 16:29	8356879	(102332)Association:PBSOA, Games 70,79, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, Jay	\$ 48.00		\$ 2,778.68
2/17/2014 16:29	8356883	(102332)Association:PBSOA, Games 66,49,68, Additions & Deductions \$0.00, deduction1099 \$0.00, Lunceford, Ryan	\$ 50.00		\$ 2,727.77
2/17/2014 16:29	8356887	(102332)Association:PBSOA, Games 71,74, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 48.00		\$ 2,678.86
2/17/2014 16:29	8356891	(102332)Association:PBSOA, Games 76,74, Additions & Deductions \$0.00, deduction1099 \$0.00, McCall, Austin	\$ 28.00		\$ 2,649.95

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
2/17/2014 16:29	8356895	(102332)Association:PBSOA, Games 42,44,50, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Grant	\$ 42.00		\$ 2,607.04
2/17/2014 16:29	8356899	(102332)Association:PBSOA, Games 66,72,79, Additions & Deductions \$0.00, deduction1099 \$0.00, Mistich, Kyle	\$ 38.00		\$ 2,568.13
2/17/2014 16:29	8356903	(102332)Association:PBSOA, Games 77,75, Additions & Deductions \$0.00, deduction1099 \$0.00, Mitchell, Madison	\$ 28.00		\$ 2,539.22
2/17/2014 16:29	8356907	(102332)Association:PBSOA, Games 71,73,68, Additions & Deductions \$0.00, deduction1099 \$0.00, Mulligan, Lonnie	\$ 38.00		\$ 2,500.31
2/17/2014 16:30	8356911	(102332)Association:PBSOA, Games 59,61,63, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jacob	\$ 54.00		\$ 2,445.40
2/17/2014 16:30	8356915	(102332)Association:PBSOA, Games 65,67, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 36.00		\$ 2,408.49
2/17/2014 16:30	8356919	(102332)Association:PBSOA, Games 77,75, Additions & Deductions \$0.00, deduction1099 \$0.00, Rock, Mitchell	\$ 48.00		\$ 2,359.58
2/17/2014 16:30	8356923	(102332)Association:PBSOA, Games 64,63,69, Additions & Deductions \$0.00, deduction1099 \$0.00, Rodney, Yates	\$ 46.00		\$ 2,312.67
2/17/2014 16:30	8356927	(102332)Association:PBSOA, Games 64,72,79,63, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 48.00		\$ 2,263.76
2/17/2014 16:30	8356931	(102332)Association:PBSOA, Games 53,45,47, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Nick	\$ 42.00		\$ 2,220.85
2/17/2014 16:30	8356935	(102332)Association:PBSOA, Games 70,78, Additions & Deductions \$0.00, deduction1099 \$0.00, Smallwood, Kate	\$ 28.00		\$ 2,191.94
2/17/2014 16:30	8356939	(102332)Association:PBSOA, Games 77,75, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Maggie	\$ 28.00		\$ 2,163.03
2/17/2014 16:30	8356943	(102332)Association:PBSOA, Games 54,46,58, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan	\$ 42.00		\$ 2,120.12
2/17/2014 16:30	8356947	(102332)Association:PBSOA, Games 51,55,57, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Taytum	\$ 42.00		\$ 2,077.21
2/17/2014 16:30	8356951	(102332)Association:PBSOA, Games 60,62,48, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 50.00		\$ 2,026.30
2/24/2014 21:27	8419604	(102332)Association:PBSOA, Games 90,105,115, Additions & Deductions \$0.00, deduction1099 \$0.00, Acred, AJ	\$ 34.00		\$ 1,991.39
2/24/2014 21:27	8419608	(102332)Association:PBSOA, Games 88,103, Additions & Deductions \$0.00, deduction1099 \$0.00, Anderson, Luke	\$ 28.00		\$ 1,962.48

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
2/24/2014 21:27	8419612	(102332)Association:PBSOA, Games 93,108,116, Additions & Deductions \$0.00, deduction1099 \$0.00, Bookout, Taylor	\$ 30.00		\$ 1,931.57
2/24/2014 21:27	8419616	(102332)Association:PBSOA, Games 103,94, Additions & Deductions \$0.00, deduction1099 \$0.00, Clark, Stacey	\$ 42.00		\$ 1,888.66
2/24/2014 21:28	8419620	(102332)Association:PBSOA, Games 93,102, Additions & Deductions \$0.00, deduction1099 \$0.00, Dale, Jonathan	\$ 24.00		\$ 1,863.75
2/24/2014 21:28	8419624	(102332)Association:PBSOA, Games 89,103,106,109, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 52.00		\$ 1,810.84
2/24/2014 21:28	8419628	(102332)Association:PBSOA, Games 83,95,111, Additions & Deductions \$0.00, deduction1099 \$0.00, Garner, Doug	\$ 42.00		\$ 1,767.93
2/24/2014 21:28	8419632	(102332)Association:PBSOA, Games 87,102, Additions & Deductions \$0.00, deduction1099 \$0.00, Gunter, Rayna	\$ 28.00		\$ 1,739.02
2/24/2014 21:28	8419636	(102332)Association:PBSOA, Games 82,96, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan	\$ 28.00		\$ 1,710.11
2/24/2014 21:28	8419640	(102332)Association:PBSOA, Games 90,91,104, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 54.00		\$ 1,655.20
2/24/2014 21:28	8419644	(102332)Association:PBSOA, Games 87,105,106, Additions & Deductions \$0.00, deduction1099 \$0.00, McGlinchey, John	\$ 60.00		\$ 1,594.29
2/24/2014 21:28	8419648	(102332)Association:PBSOA, Games 89,101,106, Additions & Deductions \$0.00, deduction1099 \$0.00, Mistich, Kyle	\$ 38.00		\$ 1,555.38
2/24/2014 21:28	8419652	(102332)Association:PBSOA, Games 92,104,191, Additions & Deductions \$0.00, deduction1099 \$0.00, Mitchell, Madison	\$ 30.00		\$ 1,524.47
2/24/2014 21:28	8419656	(102332)Association:PBSOA, Games 91,104, Additions & Deductions \$0.00, deduction1099 \$0.00, Mulligan, Lonnie	\$ 20.00		\$ 1,503.56
2/24/2014 21:28	8419660	(102332)Association:PBSOA, Games 93,191, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jacob	\$ 36.00		\$ 1,466.65
2/24/2014 21:28	8419664	(102332)Association:PBSOA, Games 90,107, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jonathan	\$ 20.00		\$ 1,445.74
2/24/2014 21:28	8419668	(102332)Association:PBSOA, Games 92,101,110, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 38.00		\$ 1,406.83
2/24/2014 21:28	8419672	(102332)Association:PBSOA, Games 87,108,112, Additions & Deductions \$0.00, deduction1099 \$0.00, Pitts, Lauren	\$ 38.00		\$ 1,367.92
2/24/2014 21:28	8419676	(102332)Association:PBSOA, Games 86,98,114, Additions & Deductions \$0.00, deduction1099 \$0.00, Robinson, David	\$ 42.00		\$ 1,325.01

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
2/24/2014 21:28	8419680	(102332)Association:PBSOA, Games 88,101,116, Additions & Deductions \$0.00, deduction1099 \$0.00, Rock, Mitchell	\$ 66.00		\$ 1,258.10
2/24/2014 21:28	8419684	(102332)Association:PBSOA, Games 88,107, Additions & Deductions \$0.00, deduction1099 \$0.00, Rodney, Yates	\$ 32.00		\$ 1,225.19
2/24/2014 21:28	8419688	(102332)Association:PBSOA, Games 84,99, Additions & Deductions \$0.00, deduction1099 \$0.00, Rust, Michael	\$ 28.00		\$ 1,196.28
2/24/2014 21:28	8419692	(102332)Association:PBSOA, Games 91,94, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 20.00		\$ 1,175.37
2/24/2014 21:28	8419696	(102332)Association:PBSOA, Games 85,100,115, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Nick	\$ 42.00		\$ 1,132.46
2/24/2014 21:28	8419700	(102332)Association:PBSOA, Games 105,116, Additions & Deductions \$0.00, deduction1099 \$0.00, Smallwood, Kate	\$ 20.00		\$ 1,111.55
2/24/2014 21:28	8419704	(102332)Association:PBSOA, Games 107,94, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Maggie	\$ 20.00		\$ 1,090.64
2/24/2014 21:28	8419708	(102332)Association:PBSOA, Games 89,102,115, Additions & Deductions \$0.00, deduction1099 \$0.00, Tabb, Mason	\$ 72.00		\$ 1,017.73
2/24/2014 21:28	8419712	(102332)Association:PBSOA, Games 81,97, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan	\$ 28.00		\$ 988.82
2/24/2014 21:28	8419716	(102332)Association:PBSOA, Games 92,108,113, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 50.00		\$ 937.91
3/3/2014 10:01	8477861	(102332)Association:PBSOA, Games 150,153, Additions & Deductions \$0.00, deduction1099 \$0.00, Anderson, Luke	\$ 28.00		\$ 909.00
3/3/2014 10:01	8477865	(102332)Association:PBSOA, Games 136,145, Additions & Deductions \$0.00, deduction1099 \$0.00, Dale, Jonathan	\$ 20.00		\$ 888.09
3/3/2014 10:01	8477869	(102332)Association:PBSOA, Games 151,148, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 28.00		\$ 859.18
3/3/2014 10:01	8477873	(102332)Association:PBSOA, Games 140,144, Additions & Deductions \$0.00, deduction1099 \$0.00, Dye, Cody	\$ 20.00		\$ 838.27
3/3/2014 10:01	8477877	(102332)Association:PBSOA, Games 120,124,134, Additions & Deductions \$0.00, deduction1099 \$0.00, Garner, Doug	\$ 42.00		\$ 795.36
3/3/2014 10:01	8477881	(102332)Association:PBSOA, Games 142,138, Additions & Deductions \$0.00, deduction1099 \$0.00, Hall, Carson	\$ 20.00		\$ 774.45
3/3/2014 10:01	8477885	(102332)Association:PBSOA, Games 141,143, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan	\$ 20.00		\$ 753.54

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
3/3/2014 10:01	8477889	(102332)Association:PBSOA, Games 150,149, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Kenneth "Tim"	\$ 48.00		\$ 704.63
3/3/2014 10:01	8477893	(102332)Association:PBSOA, Games 135,137, Additions & Deductions \$0.00, deduction1099 \$0.00, Luther, Haley	\$ 20.00		\$ 683.72
3/3/2014 10:01	8477897	(102332)Association:PBSOA, Games 141,144, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 36.00		\$ 646.81
3/3/2014 10:01	8477901	(102332)Association:PBSOA, Games 150,148, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Erin	\$ 28.00		\$ 617.90
3/3/2014 10:01	8477905	(102332)Association:PBSOA, Games 117,123,125, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Grant	\$ 42.00		\$ 574.99
3/3/2014 10:01	8477909	(102332)Association:PBSOA, Games 140,138, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jacob	\$ 36.00		\$ 538.08
3/3/2014 10:01	8477913	(102332)Association:PBSOA, Games 142,144, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jonathan	\$ 20.00		\$ 517.17
3/3/2014 10:01	8477917	(102332)Association:PBSOA, Games 127,129,139, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 38.00		\$ 478.26
3/3/2014 10:01	8477921	(102332)Association:PBSOA, Games 128,122,139, Additions & Deductions \$0.00, deduction1099 \$0.00, Pitts, Lauren	\$ 38.00		\$ 439.35
3/3/2014 10:01	8477925	(102332)Association:PBSOA, Games 146,149,131,192,193, Additions & Deductions \$0.00, deduction1099 \$0.00, Rodney, Yates	\$ 102.00		\$ 336.44
3/3/2014 10:01	8477929	(102332)Association:PBSOA, Games 118,121,126, Additions & Deductions \$0.00, deduction1099 \$0.00, Rust, Michael	\$ 42.00		\$ 293.38
3/3/2014 10:01	8477933	(102332)Association:PBSOA, Games 147,152, Additions & Deductions \$0.00, deduction1099 \$0.00, Seymour, Kyren	\$ 28.00		\$ 264.47
3/3/2014 10:01	8477937	(102332)Association:PBSOA, Games 136,137, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 20.00		\$ 243.56
3/3/2014 10:01	8477941	(102332)Association:PBSOA, Games 135,138,192,193, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Nick	\$ 80.00		\$ 162.65
3/3/2014 10:01	8477945	(102332)Association:PBSOA, Games 147,153, Additions & Deductions \$0.00, deduction1099 \$0.00, Smallwood, Kate	\$ 28.00		\$ 133.59

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
3/3/2014 10:01	8477949	(102332)Association:PBSOA, Games 146,152, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Maggie	\$ 28.00		\$ 104.68
3/3/2014 10:01	8477953	(102332)Association:PBSOA, Games 151,143, Additions & Deductions \$0.00, deduction1099 \$0.00, Stoner, Kyle	\$ 42.00		\$ 61.77
3/3/2014 10:01	8477957	(102332)Association:PBSOA, Games 119,145, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan	\$ 24.00		\$ 36.86
3/3/2014 10:01	8477961	(102332)Association:PBSOA, Games 141,130, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Taytum	\$ 24.00		\$ 11.95
3/5/2014 12:09	8451095	Upload Funds into RefPay (EFT)		5,000.00	\$ 5,011.04
3/6/2014 17:14	8517686	(102332)Association:PBSOA, Games 146,137, Additions & Deductions \$0.00, deduction1099 \$0.00, Clark, Stacey	\$ 42.00		\$ 4,969.04
3/6/2014 17:14	8517690	(102332)Association:PBSOA, Games 135,152, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, Jay	\$ 42.00		\$ 4,926.13
3/6/2014 17:14	8517694	(102332)Association:PBSOA, Games 136,148,139, Additions & Deductions \$0.00, deduction1099 \$0.00, Luker, Bradley	\$ 60.00		\$ 4,865.22
3/6/2014 17:14	8517698	(102332)Association:PBSOA, Games 140,143, Additions & Deductions \$0.00, deduction1099 \$0.00, McGlinchey, John	\$ 20.00		\$ 4,844.31
3/6/2014 17:14	8517702	(102332)Association:PBSOA, Games 147,153,132,192,193, Additions & Deductions \$0.00, deduction1099 \$0.00, Rock, Mitchell	\$ 142.00		\$ 4,701.40
3/6/2014 17:14	8517706	(102332)Association:PBSOA, Games 142,145,133, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 50.00		\$ 4,650.34
3/6/2014 17:14	8517710	(102332)Association:PBSOA, Games 151,149, Additions & Deductions \$0.00, deduction1099 \$0.00, Wallace, Dakota	\$ 28.00		\$ 4,621.43
3/17/2014 9:45	8605805	(102332)Association:PBSOA, Games 304,307, Additions & Deductions \$0.00, deduction1099 \$0.00, Acred, AJ	\$ 28.00		\$ 4,592.52
3/17/2014 9:45	8605809	(102332)Association:PBSOA, Games 291,306, Additions & Deductions \$0.00, deduction1099 \$0.00, Brown, Richard	\$ 42.00		\$ 4,549.61
3/17/2014 9:45	8605813	(102332)Association:PBSOA, Games 304,303,311,312, Additions & Deductions \$0.00, deduction1099 \$0.00, Clark, Stacey	\$ 118.00		\$ 4,430.70
3/17/2014 9:45	8605817	(102332)Association:PBSOA, Games 300,306, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 28.00		\$ 4,401.64
3/17/2014 9:45	8605821	(102332)Association:PBSOA, Games 292,295,308, Additions & Deductions \$0.00, deduction1099 \$0.00, Dye, Cody	\$ 34.00		\$ 4,366.73

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
3/17/2014 9:45	8605825	(102332)Association:PBSOA, Games 281,292,283,288, Additions & Deductions \$0.00, deduction1099 \$0.00, Garner, Doug	\$ 52.00		\$ 4,313.82
3/17/2014 9:45	8605829	(102332)Association:PBSOA, Games 291,277,278, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan	\$ 38.00		\$ 4,274.91
3/17/2014 9:45	8605833	(102332)Association:PBSOA, Games 305,302,311,312, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Kenneth "Tim"	\$ 118.00		\$ 4,156.00
3/17/2014 9:45	8605837	(102332)Association:PBSOA, Games 300,293, Additions & Deductions \$0.00, deduction1099 \$0.00, Luker, Bradley	\$ 42.00		\$ 4,112.94
3/17/2014 9:45	8605841	(102332)Association:PBSOA, Games 305,303, Additions & Deductions \$0.00, deduction1099 \$0.00, Luther, Haley	\$ 28.00		\$ 4,084.03
3/17/2014 9:45	8605845	(102332)Association:PBSOA, Games 297,307,309, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 60.00		\$ 4,023.12
3/17/2014 9:45	8605849	(102332)Association:PBSOA, Games 290,294, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Erin	\$ 20.00		\$ 4,002.21
3/17/2014 9:45	8605853	(102332)Association:PBSOA, Games 280,275,282,286,310, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Grant	\$ 86.00		\$ 3,915.30
3/17/2014 9:45	8605857	(102332)Association:PBSOA, Games 297,299, Additions & Deductions \$0.00, deduction1099 \$0.00, Mulligan, Lonnie	\$ 20.00		\$ 3,894.24
3/17/2014 9:45	8605861	(102332)Association:PBSOA, Games 301,299,308, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jacob	\$ 66.00		\$ 3,827.33
3/17/2014 9:45	8605865	(102332)Association:PBSOA, Games 290,294,308, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jonathan	\$ 34.00		\$ 3,792.42
3/17/2014 9:45	8605869	(102332)Association:PBSOA, Games 274,276,289, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 42.00		\$ 3,749.51
3/17/2014 9:45	8605873	(102332)Association:PBSOA, Games 273,293,279,285, Additions & Deductions \$0.00, deduction1099 \$0.00, Pitts, Lauren	\$ 52.00		\$ 3,696.60
3/17/2014 9:45	8605877	(102332)Association:PBSOA, Games 292,295,309, Additions & Deductions \$0.00, deduction1099 \$0.00, Robinson, David	\$ 46.00		\$ 3,649.69

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
3/17/2014 9:45	8605881	(102332)Association:PBSOA, Games 290,294,309,311,312, Additions & Deductions \$0.00, deduction1099 \$0.00, Rust, Michael	\$ 106.00		\$ 3,542.78
3/17/2014 9:45	8605885	(102332)Association:PBSOA, Games 305,302, Additions & Deductions \$0.00, deduction1099 \$0.00, Seymour, Kyren	\$ 28.00		\$ 3,513.72
3/17/2014 9:45	8605889	(102332)Association:PBSOA, Games 301,303, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 28.00		\$ 3,484.81
3/17/2014 9:45	8605893	(102332)Association:PBSOA, Games 301,302, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Maggie	\$ 28.00		\$ 3,455.90
3/17/2014 9:45	8605897	(102332)Association:PBSOA, Games 300,306, Additions & Deductions \$0.00, deduction1099 \$0.00, Stone, Adam	\$ 28.00		\$ 3,426.99
3/17/2014 9:45	8605901	(102332)Association:PBSOA, Games 272,284,287,310, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan	\$ 72.00		\$ 3,354.08
3/17/2014 9:45	8605905	(102332)Association:PBSOA, Games 291,299, Additions & Deductions \$0.00, deduction1099 \$0.00, Wallace, Dakota	\$ 20.00		\$ 3,333.17
3/17/2014 9:45	8605909	(102332)Association:PBSOA, Games 310, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carlton	\$ 40.00		\$ 3,292.26
3/17/2014 9:45	8605913	(102332)Association:PBSOA, Games 304,307, Additions & Deductions \$0.00, deduction1099 \$0.00, White, Kyle	\$ 28.00		\$ 3,263.35
3/24/2014 11:24	8668974	(102332)Association:PBSOA, Games 330,316, Additions & Deductions \$0.00, deduction1099 \$0.00, Acred, AJ	\$ 24.00		\$ 3,238.44
3/24/2014 11:24	8668978	(102332)Association:PBSOA, Games 327,323, Additions & Deductions \$0.00, deduction1099 \$0.00, Anderson, Luke	\$ 24.00		\$ 3,213.53
3/24/2014 11:24	8668982	(102332)Association:PBSOA, Games 320,332, Additions & Deductions \$0.00, deduction1099 \$0.00, Brown, Richard	\$ 42.00		\$ 3,170.62
3/24/2014 11:24	8668986	(102332)Association:PBSOA, Games 322,328,319, Additions & Deductions \$0.00, deduction1099 \$0.00, Clark, Stacey	\$ 60.00		\$ 3,109.71
3/24/2014 11:24	8668990	(102332)Association:PBSOA, Games 322,316, Additions & Deductions \$0.00, deduction1099 \$0.00, Dale, Jonathan	\$ 20.00		\$ 3,088.80
3/24/2014 11:24	8668994	(102332)Association:PBSOA, Games 320,324, Additions & Deductions \$0.00, deduction1099 \$0.00, Dye, Cody	\$ 20.00		\$ 3,067.89
3/24/2014 11:24	8668998	(102332)Association:PBSOA, Games 331,333,326, Additions & Deductions \$0.00, deduction1099 \$0.00, Fortenberry, Sarah	\$ 38.00		\$ 3,028.98

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
3/24/2014 11:24	8669002	(102332)Association:PBSOA, Games 342,347,349, Additions & Deductions \$0.00, deduction1099 \$0.00, Garner, Doug	\$ 42.00		\$ 2,986.07
3/24/2014 11:24	8669006	(102332)Association:PBSOA, Games 327,317,326, Additions & Deductions \$0.00, deduction1099 \$0.00, Gunter, Rayna	\$ 34.00		\$ 2,951.16
3/24/2014 11:24	8669010	(102332)Association:PBSOA, Games 335,336,341, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan	\$ 42.00		\$ 2,908.25
3/24/2014 11:24	8669014	(102332)Association:PBSOA, Games 327,323,329, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Kenneth "Tim"	\$ 66.00		\$ 2,841.34
3/24/2014 11:24	8669018	(102332)Association:PBSOA, Games 330,332,319, Additions & Deductions \$0.00, deduction1099 \$0.00, Lunceford, Ryan	\$ 38.00		\$ 2,802.43
3/24/2014 11:24	8669022	(102332)Association:PBSOA, Games 313,328,325, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 42.00		\$ 2,759.52
3/24/2014 11:24	8669026	(102332)Association:PBSOA, Games 320,332, Additions & Deductions \$0.00, deduction1099 \$0.00, McCall, Austin	\$ 24.00		\$ 2,734.61
3/24/2014 11:24	8669030	(102332)Association:PBSOA, Games 344,346,350, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Grant	\$ 42.00		\$ 2,691.70
3/24/2014 11:24	8669034	(102332)Association:PBSOA, Games 321,333,351, Additions & Deductions \$0.00, deduction1099 \$0.00, Meek, Keith	\$ 56.00		\$ 2,634.79
3/24/2014 11:24	8669038	(102332)Association:PBSOA, Games 314,318,340, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jacob	\$ 50.00		\$ 2,583.88
3/24/2014 11:24	8669042	(102332)Association:PBSOA, Games 334,324,339, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 38.00		\$ 2,544.97
3/24/2014 11:24	8669046	(102332)Association:PBSOA, Games 331,348,329, Additions & Deductions \$0.00, deduction1099 \$0.00, Robinson, David	\$ 42.00		\$ 2,502.06
3/24/2014 11:24	8669050	(102332)Association:PBSOA, Games 330,324,325, Additions & Deductions \$0.00, deduction1099 \$0.00, Rock, Mitchell	\$ 60.00		\$ 2,441.15
3/24/2014 11:24	8669054	(102332)Association:PBSOA, Games 343,337,329, Additions & Deductions \$0.00, deduction1099 \$0.00, Rodney, Yates	\$ 42.00		\$ 2,398.24

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
3/24/2014 11:24	8669058	(102332)Association:PBSOA, Games 321,333,325, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 34.00		\$ 2,363.33
3/24/2014 11:24	8669062	(102332)Association:PBSOA, Games 321,328, Additions & Deductions \$0.00, deduction1099 \$0.00, Starns, Maggie	\$ 24.00		\$ 2,338.42
3/24/2014 11:24	8669066	(102332)Association:PBSOA, Games 331,317,326, Additions & Deductions \$0.00, deduction1099 \$0.00, Tabb, Mason	\$ 60.00		\$ 2,277.51
3/24/2014 11:24	8669070	(102332)Association:PBSOA, Games 345,338, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Taytum	\$ 28.00		\$ 2,248.60
3/24/2014 11:24	8669074	(102332)Association:PBSOA, Games 315,316,319, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 46.00		\$ 2,201.69
3/28/2014 12:35	8713241	(102332)Association:PBSOA, Games 322,323, Additions & Deductions \$0.00, deduction1099 \$0.00, Crawford, Max	\$ 20.00		\$ 2,180.78
4/5/2014 18:02	8806216	(102332)Association:PBSOA, Games 406,422,432, Additions & Deductions \$0.00, deduction1099 \$0.00, Anderson, Luke	\$ 38.00		\$ 2,141.87
4/5/2014 18:02	8806220	(102332)Association:PBSOA, Games 411,420,435,446,447, Additions & Deductions \$0.00, deduction1099 \$0.00, Clark, Stacey	\$ 130.00		\$ 2,010.96
4/5/2014 18:02	8806224	(102332)Association:PBSOA, Games 407,418,430, Additions & Deductions \$0.00, deduction1099 \$0.00, Dale, Jonathan	\$ 30.00		\$ 1,979.90
4/5/2014 18:02	8806228	(102332)Association:PBSOA, Games 411,445, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 44.00		\$ 1,934.99
4/5/2014 18:02	8806232	(102332)Association:PBSOA, Games 406,418,433, Additions & Deductions \$0.00, deduction1099 \$0.00, Dye, Cody	\$ 30.00		\$ 1,904.08
4/5/2014 18:02	8806236	(102332)Association:PBSOA, Games 412,424,437, Additions & Deductions \$0.00, deduction1099 \$0.00, Garner, Doug	\$ 42.00		\$ 1,861.17
4/5/2014 18:02	8806240	(102332)Association:PBSOA, Games 414,428,441, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Joan	\$ 42.00		\$ 1,818.26
4/5/2014 18:02	8806244	(102332)Association:PBSOA, Games 409,423,433, Additions & Deductions \$0.00, deduction1099 \$0.00, Luther, Haley	\$ 34.00		\$ 1,783.35
4/5/2014 18:02	8806248	(102332)Association:PBSOA, Games 410,418,431, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 66.00		\$ 1,716.44

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
4/5/2014 18:02	8806252	(102332)Association:PBSOA, Games 413,425,436, Additions & Deductions \$0.00, deduction1099 \$0.00, McLaurin, Grant	\$ 42.00		\$ 1,673.53
4/5/2014 18:02	8806256	(102332)Association:PBSOA, Games 410,421,432, Additions & Deductions \$0.00, deduction1099 \$0.00, Mitchell, Madison	\$ 42.00		\$ 1,630.62
4/5/2014 18:02	8806260	(102332)Association:PBSOA, Games 407,421,432, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jacob	\$ 66.00		\$ 1,563.71
4/5/2014 18:02	8806264	(102332)Association:PBSOA, Games 409,422,430, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jonathan	\$ 34.00		\$ 1,528.80
4/5/2014 18:02	8806268	(102332)Association:PBSOA, Games 409,419,433, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 54.00		\$ 1,473.89
4/5/2014 18:02	8806272	(102332)Association:PBSOA, Games 416,429,439, Additions & Deductions \$0.00, deduction1099 \$0.00, Pitts, Lauren	\$ 42.00		\$ 1,430.98
4/5/2014 18:02	8806276	(102332)Association:PBSOA, Games 415,427,440, Additions & Deductions \$0.00, deduction1099 \$0.00, Robinson, David	\$ 42.00		\$ 1,388.07
4/5/2014 18:02	8806280	(102332)Association:PBSOA, Games 417,426,438, Additions & Deductions \$0.00, deduction1099 \$0.00, Rodney, Yates	\$ 42.00		\$ 1,345.16
4/5/2014 18:02	8806284	(102332)Association:PBSOA, Games 408,423,434,446,447, Additions & Deductions \$0.00, deduction1099 \$0.00, Rust, Michael	\$ 120.00		\$ 1,224.25
4/5/2014 18:02	8806288	(102332)Association:PBSOA, Games 411,423,431, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 42.00		\$ 1,181.19
4/5/2014 18:02	8806292	(102332)Association:PBSOA, Games 406,422,430,446,447, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 130.00		\$ 1,050.28
4/5/2014 18:02	8806296	(102332)Association:PBSOA, Games 445, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carlton	\$ 40.00		\$ 1,009.22
4/5/2014 18:02	8806300	(102332)Association:PBSOA, Games 407,421,431, Additions & Deductions \$0.00, deduction1099 \$0.00, White, Kyle	\$ 38.00		\$ 970.31
4/7/2014 21:18	8823287	(102332)Association:PBSOA, Games 410,445, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carrie	\$ 44.00		\$ 925.40

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
4/11/2014 21:26	8877176	(102332)Association:PBSOA, Games 463,470,474, Additions & Deductions \$0.00, deduction1099 \$0.00, Acred, AJ	\$ 42.00		\$ 882.49
4/11/2014 21:26	8877180	(102332)Association:PBSOA, Games 448,461,472, Additions & Deductions \$0.00, deduction1099 \$0.00, Davis, Caleb	\$ 30.00		\$ 851.58
4/11/2014 21:26	8877184	(102332)Association:PBSOA, Games 462,474, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Kenneth "Tim"	\$ 48.00		\$ 802.67
4/11/2014 21:26	8877188	(102332)Association:PBSOA, Games 448,456,464,467,475, Additions & Deductions \$0.00, deduction1099 \$0.00, Hyde, Jay	\$ 74.00		\$ 727.76
4/11/2014 21:26	8877192	(102332)Association:PBSOA, Games 449,463,470,473, Additions & Deductions \$0.00, deduction1099 \$0.00, Lunceford, Ryan	\$ 52.00		\$ 674.85
4/11/2014 21:26	8877196	(102332)Association:PBSOA, Games 472, Additions & Deductions \$0.00, deduction1099 \$0.00, Martin, Todd	\$ 10.00		\$ 663.94
4/11/2014 21:26	8877200	(102332)Association:PBSOA, Games 451,455,460,470,473, Additions & Deductions \$0.00, deduction1099 \$0.00, McGlinchey, John	\$ 94.00		\$ 569.03
4/11/2014 21:26	8877204	(102332)Association:PBSOA, Games 469,471, Additions & Deductions \$0.00, deduction1099 \$0.00, Myers, Jonathan	\$ 24.00		\$ 543.97
4/11/2014 21:26	8877208	(102332)Association:PBSOA, Games 452,458,462,469,471, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 76.00		\$ 467.06
4/11/2014 21:26	8877212	(102332)Association:PBSOA, Games 450,457,463,468,471, Additions & Deductions \$0.00, deduction1099 \$0.00, Rock, Mitchell	\$ 88.00		\$ 378.00
4/11/2014 21:26	8877216	(102332)Association:PBSOA, Games 462,468, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 24.00		\$ 352.94
4/11/2014 21:26	8877220	(102332)Association:PBSOA, Games 448,461,468, Additions & Deductions \$0.00, deduction1099 \$0.00, Stone, Adam	\$ 30.00		\$ 322.03
4/11/2014 21:26	8877224	(102332)Association:PBSOA, Games 449,454,460,469,474, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Lachan	\$ 70.00		\$ 251.12
4/11/2014 21:26	8877228	(102332)Association:PBSOA, Games 449, Additions & Deductions \$0.00, deduction1099 \$0.00, Terrell, Taytum	\$ 10.00		\$ 240.21

Date / Time	Transaction #	Transaction Description	Debit	Credit	Balance
4/11/2014 21:26	8877232	(102332)Association:PBSOA, Games 453,459,465,466,476, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 70.00		\$ 169.30
4/11/2014 21:26	8877236	(102332)Association:PBSOA, Games 461,472, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carlton	\$ 36.00		\$ 132.39
4/11/2014 21:26	8877240	(102332)Association:PBSOA, Games 473, Additions & Deductions \$0.00, deduction1099 \$0.00, Welborn, Carrie	\$ 14.00		\$ 117.48
4/11/2014 21:44	8877281	(102332)Association:PBSOA, Games 497, Additions & Deductions \$0.00, deduction1099 \$0.00, Hampton, Kenneth "Tim"	\$ 30.00		\$ 86.57
4/11/2014 21:44	8877285	(102332)Association:PBSOA, Games 496, Additions & Deductions \$0.00, deduction1099 \$0.00, Pike, Holly Ann	\$ 30.00		\$ 55.66
4/11/2014 21:44	8877289	(102332)Association:PBSOA, Games 496, Additions & Deductions \$0.00, deduction1099 \$0.00, Simmons, Bailey	\$ 20.00		\$ 34.75
4/11/2014 21:44	8877293	(102332)Association:PBSOA, Games 497, Additions & Deductions \$0.00, deduction1099 \$0.00, Tuck, Zach	\$ 20.00		\$ 13.84
		Total Paid to Referee's	\$ 7,964.00		

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225 927-2389

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Transaction #: 59594
Account #: 000010002143
Page: 1 of 1
Date: 2/12/2014
Time: 12:21:50 PM
Cashier: 11
Register #: 4

Bill To: Hattiesburg Futbol Club
Hattiesburg Futbol Club
420 South 34th Ave
Hattiesburg, MS 39402
601-408-9814

Ship To: Hattiesburg Futbol Club
Hattiesburg Futbol Club
420 South 34th Ave
Hattiesburg, MS 39402

Item Lookup Code	Description	Quantity	Price	Extended
KWIKGOAL3B4441-6.5X6-B	KWIKGOAL 2MM 6.5X12X2X6 120 MM Discount code: DISCOUNT Return code: NOLIKE	4	\$55.80	\$223.20
KWIKGOAL0050A-WHT-EA	KWIK GOAL SOCCER NET 8*24*3*8 Discount code: DISCOUNT Return code: NOLIKE	4	\$99.00	\$396.00
KWIKGOAL3B3041-EA-4X6-BLU	KWIKGOAL 4"H X 6"W X 3"B NET E Discount code: DISCOUNT Return code: NOLIKE	8	\$43.20	\$345.60

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Sub Total \$964.80
Sales Tax \$0.00
UPS 2nd Day \$87.00
Total \$1,051.80

Store Account \$1,051.80
Previous Balance \$0.00
New Balance \$1,051.80

Change Due \$0.00



59594

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City of Hattiesburg, MS

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

Master

File Number: 2014-1467

File ID: 2014-1467

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/23/2014

Brief Title: Demolition Bids - 2014 List #2

Final Action:

Minute Book Number: MB2014-333

Title: Acknowledge receipt of bids for Demolition services on September 25, 2014 (List #2) and accept the bid of Hensley R. Lee Contracting, Inc. at a total cost of \$39,800.00 as the lowest bid received in accordance with the City's advertised specifications. {Entitlement}

Notes:

Sponsors:

Enactment Date:

Attachments: Bid Tabulation 2014 List #2.xls

Enactment Number:

Contact:

Meeting Date: 11/04/2014

Drafter: Kevin Jordan

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014					

Text of Legislative File 2014-1467

Title

Acknowledge receipt of bids for Demolition services on September 25, 2014 (List #2) and accept the bid of Hensley R. Lee Contracting, Inc. at a total cost of \$39,800.00 as the lowest bid received in accordance with the City's advertised specifications. {Entitlement}

Summary

Demolition Bids - 2014 List #2

Budget Information

Expenditure Type

Purchasing Item

Publication Information

DEMOLITION LIST #2

Bid Tabulation for Demolition bids opened on 04/24/2014:

	TOTAL	Section 3 Preference
Casablanca Construction, Inc.	\$204,000.00	
Renew Maintenance & Construction Co., Inc.	\$84,440.00	
Precision Construction LLC	\$44,000.00	
Millennium Construction, LLC	\$51,600.00	
Wallace & Co.	\$58,500.00	
Hensley R Lee Construction	\$39,800.00	

* These businesses requested Section 3 preference, but the approval of such preference has not been verified because the 10% preferential treatment would not have resulted in a bid lower than that of the bidder that is herein recommended for contract.



City of Hattiesburg, MS

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

Master

File Number: 2014-1473

File ID: 2014-1473

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/24/2014

Brief Title: Approve Specifications and Authorize Publication of Advertisement for bids on James Street Water Plant Phase III

Final Action:

Minute Book Number: MB2014-333

Title:

Approve Plans and Specifications for the James Street Water Treatment Plant Rehabilitation Phase III project; Authorize advertisement for bids for same.

Notes:

Sponsors:

Enactment Date:

Attachments: Contract & Specs - James Street Water Plant Phase III, Plans - James Street Water Plant Phase III, Advertisements for Bids - James St Water Plant Phase III

Enactment Number:

Contact:

Meeting Date: 11/04/2014

Drafter: Gene Polk

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014					

Text of Legislative File 2014-1473

Title

Approve Plans and Specifications for the James Street Water Treatment Plant Rehabilitation Phase III project; Authorize advertisement for bids for same.

Summary

Approve Plans and Specifications for the James Street Water Treatment Plant Rehabilitation Phase III project; Authorize advertisement for bids for same.

Budget Information

Purchasing Item

Sealed Bid

Publication Information

Hattiesburg American and Clarion Ledger

Nov 7, 2014 and Nov 14, 2014

CONTRACT DOCUMENTS AND SPECIFICATIONS

**JAMES STREET WATER TREATMENT PLANT
REHABILITATION
PHASE III
HATTIESBURG, MISSISSIPPI
2014**

PREPARED BY:



ADVERTISEMENT FOR BIDS:

NOTICE is hereby given that the City Clerk of the City of Hattiesburg, Mississippi, will receive sealed bids until **10:00 a.m.** on **December 18, 2014** in the City Clerk's Office in the City Hall of said City for furnishing the City's requirements for the following:

**JAMES STREET WATER TREATMENT PLANT REHABILITATION PHASE III
HATTIESBURG, MISSISSIPPI**

Plans, Specifications and proposal forms may be obtained from Shows, Dearman & Waits, Inc., 301 Second Avenue, Hattiesburg, Mississippi, 39401, upon deposit of \$100.00, non-refundable. All bids must be accompanied by bid security equal to 5% of the amount of the bid, in the form of a certified check, cashier's check or a bid bond written by a company properly licensed in Mississippi.

Each BID must be received in a sealed envelope which is marked in the lower left-hand corner EXACTLY as follows:

BID:

**JAMES STREET WATER TREATMENT PLANT REHABILITATION PHASE III
HATTIESBURG, MISSISSIPPI**

No bid may be withdrawn for a period of sixty (60) days. The lowest and best proposal received will be accepted, subject to the provisions of Section 31-7-13 of the Mississippi Code of 1972, Annotated and Amended, and other applicable State law; but the Council reserves the right to reject any or all proposals received and to waive informalities.

PUBLISHED by Order of the Council on the 4th day of November A.D., 2014.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____
Sharon Waits, Deputy City Clerk

Publish on 11/13/2014 and 11/20/2014
City of Hattiesburg
Return PROOF to City Clerk's Office
PO Box 1898
Hattiesburg, MS 39403-1898

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SUPPLEMENTAL GENERAL CONDITIONS

ARTICLE 1 - SPECIAL CONDITIONS

1. SCOPE AND INTENT

Special conditions shall prevail over General Conditions in case of conflict. The Contractor shall furnish all labor, materials, equipment (including fuel), tools, appliances, transportation and perform all operations in connection with the construction of, alterations to, or repair of, the building, including utilities, complete, in strict accordance with the specifications and the plans governing the construction of, alterations to, or repair of, the project.

2. EXAMINATION OF PREMISES

Before submitting a proposal for his work, each bidder shall be held responsible to have examined the site and satisfied himself as to the conditions under which work is to be performed.

3. PERMITS, TAXES, AND ORDINANCES

The Contractor shall pay for all required permits, give legal notices, and pay taxes and assessments levied in connection with this contract. Building regulations of the City of Hattiesburg Building Code shall be strictly adhered to and the contractor shall be responsible for knowledge thereof.

4. INSURANCES, ETC.

In addition to the requirements of the General Conditions, insurance coverage specified herein constitutes the minimum requirements and said requirements shall in no way lessen or limit the liability of the **CONTRACTOR** under the terms of the Contract. The **CONTRACTOR** shall procure and maintain at his own expense any additional kinds and amounts of insurance that, in his own judgment, may be necessary for his proper protection in the prosecution of the Work.

The **CONTRACTOR** shall carry insurance as prescribed herein and all policies shall be with companies satisfactory to the **OWNER**.

If a part of this Contract is sublet, the **CONTRACTOR** shall require each Subcontractor to carry insurance of the same kinds and in like amounts as carried by the **CONTRACTOR**.

Certificates of insurance shall state that 30 days written notice will be given to the **OWNER** before the policy is canceled or changed. No **CONTRACTOR** or Subcontractor will be allowed to start any construction work on this Contract until certificates of all insurance required herein are filed and approved by the **OWNER**. The certificates shall show the type, amount, class of operations covered, effective dates and the dates of expiration of policies.

The **CONTRACTOR** shall secure and maintain in effect for the period of the Contract and pay

all premiums for the following kinds and amounts of insurance.

A. Workers' Compensation and Employer's Liability Insurance

This insurance shall protect the **CONTRACTOR** against all claims under applicable State Worker's Compensation Laws. The **CONTRACTOR** shall also be protected and shall cause each Subcontractor to be protected against claims for injury, disease, or death of employees which, for any reason, may not fall within the provisions of a Worker's Compensation Law. The liability limits shall not be less than the required statutory limits for Worker's Compensation and Employer's Liability in the amount of ONE HUNDRED THOUSAND DOLLARS (\$100,000.00) for each person. This policy shall include an all states endorsement.

B. **CONTRACTOR'S** Comprehensive Public Liability and Property Damage Insurance, covering all operations in connection with the performance of this Contract in amounts not less than the following:

Bodily injury liability in the amount of FIVE HUNDRED THOUSAND DOLLARS (\$500,000) for each person and ONE MILLION DOLLARS (\$1,000,000) for each accident and property damage liability in the amount of TWO HUNDRED FIFTY THOUSAND DOLLARS (\$250,000) for all damages arising out of the injury or destruction of property in any one accident and subject to that limit per accident a total for aggregate limit of FIVE HUNDRED THOUSAND DOLLARS (\$500,000) for all damages arising out of injury to or destruction of property during the policy period.

The Comprehensive Public Liability and Property Damage policies carried by both the **CONTRACTOR** and the Subcontractors shall contain an endorsement to include the coverage of the following hazards:

- a. Explosion, collapse, and underground property damage to include any damage or destruction of property below the surface of the ground, such as wires, conduits, pipes, mains, sewers, etc., caused by the **CONTRACTOR'S** operations.
- b. The collapse of and structural injury to any building, structure or property on or adjacent to the **OWNER'S** premises or right-of-way caused by the **CONTRACTOR'S** operations in the removal of other buildings, structures, or supports, or by excavation below the surface of the ground.
- c. Contractual Liability Coverage for the Hold Harmless segments of the Contract Documents.

C. **CONTRACTOR'S** Contingent or Protective Liability and Property Damage:

In case part of this Contract is sublet, the **CONTRACTOR** shall secure contingent or protective liability and property damage insurance to protect him from any and all claims arising from the operation of his Subcontractors in the execution of Work included in the Contract. In no case shall the amount of such protection be less than the limits of \$500,000/\$1,000,000 for Public Liability Insurance and

\$500,000/\$1,000,000 for Property Damage Insurance. The coverage in each case shall be acceptable to the **OWNER**.

D. **Automotive Public Liability and Property Damage**

The **CONTRACTOR** shall maintain automobile public liability insurance in the amount of not less than FIVE HUNDRED THOUSAND DOLLARS (\$500,000) for injury to one person and ONE MILLION DOLLARS (\$1,000,000) for one accident; and automobile property damage insurance in the amount of not less than FIVE HUNDRED THOUSAND DOLLARS (\$500,000) for one accident to protect him from any and all claims arising from the use of the following:

- a. **CONTRACTOR'S** own automobiles and trucks.
- b. Hired automobiles and trucks.
- c. Automobiles and trucks owned by Subcontractors.

The aforementioned is to cover use of automobiles and trucks on and off the site of the Project.

E. **OWNER'S Protective Liability Policy**

The **CONTRACTOR** shall maintain **OWNER'S** Protective Liability Insurance with the **OWNER** as the named insured, and the **ENGINEER**, and their servants, agents and employees as additional insureds in amounts not less than the following:

- a. Bodily Injury in the amount of ONE MILLION DOLLARS (\$1,000,000) for each person and ONE MILLION DOLLARS (\$1,000,000) for each accident and property damage liability in the amount of FIVE HUNDRED THOUSAND DOLLARS (\$500,000) for all damages arising out of an injury or destruction of property in any one accident and subject to that limit per accident a total (or aggregate) limit of ONE MILLION DOLLARS (\$1,000,000) for all damages arising out of injury to or destruction of property during the policy period.

5. **CLEANING UP**

The Contractor shall, at all times, keep the premises free from accumulations of waste materials and at the completion of the work, be shall remove all his rubbish, tools, temporary buildings, etc. from and about the site and shall leave his work "broom" clean unless more exactly specified elsewhere. All glass shall be washed and left free from stains of any nature.

6. **GUARANTEE**

The Contractor shall guarantee to City of Hattiesburg all work under this contract to be free from defects in workmanship and materials for a period of one (1) year from date of final acceptance.

7. BIDS

The form of proposal or an exact facsimile thereof must be used by Contractors submitting proposal for any or all of the work included in these specifications and/or the accompanying plans. The receipt of all Addenda must be acknowledged and the receipt signed by the Contractor or his duly authorized representative and attached to the proposal form when the bids are submitted.

ARTICLE 2 - SPECIAL INSTRUCTIONS

1. LIMITATIONS

During construction, care is to be taken to prevent damage to the work in place. As soon as work is completed, all work is to be thoroughly cleaned. Before completion, all damaged work is to be repaired and left in perfect condition. The Contractor will be responsible for all clean up of the premises. All trash, etc. will be hauled away from the site, and the site left in a clean and neat condition. Alcoholic beverages of any type will not be permitted on job site.

2. PRODUCT/MATERIALS SUBSTITUTION

Contractor will submit prior to starting work on project any changes to materials specified. Contractor will submit all specification data, company name, and supplier of material that he wishes to substitute. All material will be evaluated. Contractor will be given approval/disapproval with five (5) days by Owner. No substitutes will be taken into consideration after work has begun, no substitutes will be allowed if Contractor does not submit specification data within time allowed.

3. INSPECTION

All work covered by these specifications shall be subject to inspection by Owner or his authorized representative. Contractor will coordinate with Owner for inspections as required during construction, and furnish to the Owner in writing a project schedule prior to mobilization of work at the job site.

4. WARRANTY

The Contractor, upon completion of the project, shall furnish one (1) year written guarantee on all materials and workmanship to begin on the date of acceptance by the Owner or the Owner's appointed representative.

5. SPECIFICATIONS AND DRAWINGS ARE RECIPROCAL

The specifications and drawings are intended mutually to explain each other and anything which is referred to in the specifications and not shown on the drawings shall be considered as being shown and mentioned and referred to in both of these documents. Such work shall be done and performed accordingly. Any drawing attached to this specification form is an integral part thereof and where such drawings, if any, differ from these specifications, the specifications shall

govern.

6. AS-BUILT DRAWINGS

Occasionally, during the course of construction, modifications and changes may occur due to site conditions, unforeseen circumstances and problems encountered. This may result in a modification of construction as originally depicted on drawings. Contractor will furnish the City of Hattiesburg a marked-up set of prints in red line of all changes and/or modifications that pertain to this contract. Drawings will be labeled. "AS-BUILT DRAWINGS".

ARTICLE 3 - GUARANTEES, WARRANTIES AND BONDS

1. All work will be guaranteed by the Contractor for a period of one (1) year from the date of substantial completion.

2. Wording for the notarized guarantee shall be as follows:

"We hereby guarantee all work performed by us on the above captioned project to be free from defective materials and workmanship for a period of one (1) year, or such longer period of time as may be called for in the Contract Documents for such portions of the work."

3. Guarantee Compliance:

Except as otherwise specified, all work shall be guaranteed by the Contractor and through him each sub-contractor against defects resulting from the use of inferior materials, equipment or workmanship for one (1) year from the date of substantial completion of the Contract. In case of work performed by his sub-contractors, the Contractor shall secure warranties from said sub-contractors and deliver copies of the same to the Owner upon completion of the work. If, within any guarantee period, repairs or changes are required in connection with guaranteed work which, in the Owner's opinion, are rendered necessary as the result of use of materials, equipment or workmanship which are inferior, defective or not in accordance with terms of the Contract: Contractor shall promptly upon receipt of Owner's written notice, and without expense of the Owner;

- a. Place in satisfactory condition in every particular all such guaranteed work, correct all defects therein.
- b. Make good all damage to the building, site, equipment or building contents which in the Owner's opinion is the result of the use of materials, equipment or workmanship which are inferior, defective, or not in accordance with terms of the Contract.
- c. Make good any work or material or the equipment and contents of building or site disturbed in fulfilling such guarantee.

In any case where fulfilling the requirements of the Contract, or any guarantee embraced

in or required thereby, the Contractor disturbs any work guaranteed under another's Contract, he shall restore such disturbed work to condition satisfactory to the Owner and guarantee such restored work to the same extent as it was guaranteed under such other contract. If the Contractor, after notice, fails to proceed promptly to comply with terms of the guarantee, the Owner may have the defects corrected and the Contractor and his surety shall be liable for all expense incurred. All special guarantees applicable to definite parts of the work that may be stipulated in the specification or other Contract Documents shall be subject to the terms of this Specification Section during the first year of the life of such special guarantees. All guarantees and warranties shall be obtained in the Owner's name and evidence thereof shall be promptly delivered to the Owner's Representative for transfer to the Owner.

ARTICLE 4 - CLOSE-OUT DOCUMENTS

In general documents for close out, to be submitted by the Contractor to the Owner, prior to final payment, shall be; but not limited to the following:

1. APPLICATION FOR PAYMENT: AIA Document G-702
2. CERTIFICATE OF SUBSTANTIAL COMPLETION: AIA Document G-704
3. CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBTS AND CLAIMS:

AIA Documents G-706 and G-706A: The Contractor shall furnish these AIA Documents complete with attached notarized full release of liens, damages, and a guarantee that all materials and labor are paid in accordance with Contract Documents with the following wording:

"WE HEREBY CERTIFY THAT ALL BILLS FOR LABOR AND MATERIALS INCORPORATED INTO THE ABOVE CAPTIONED PROJECT UNDER OUR CONTRACT HAVE BEEN PAID AND THAT THE OWNER IS RELEASED FROM ANY AND ALL CLAIMS AND/OR DAMAGES UNDER THIS CONTRACT."

4. CONSENT OF SURETY COMPANY TO FINAL PAYMENT: AIA Document G-707

To be completed in full by the Bonding Company.

5. CONTRACTOR'S NOTARIZED STATEMENT:

Notarized statement that project has been constructed in accordance with Contract Documents.

6. CONTRACTOR'S NOTARIZED STATEMENT OF GUARANTEE/S:

All work will be guaranteed by the Contractor for a period of one (1) year from the date of substantial completion. Wording will be as follows:

"WE HEREBY GUARANTEE ALL WORK PERFORMED BY US ON ABOVE CAPTIONED PROJECT TO BE FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR, OR SUCH LONGER PERIOD OF TIME AS MAY BE CALLED FOR IN THE CONTRACT DOCUMENTS FOR SUCH PORTIONS OF THE WORK."

In the case of work performed by his sub-contractors, the Contractor shall secure warranties from said sub-contractors and deliver copies of same to the Owner upon completion of work.

7. OPERATING AND MAINTENANCE MANUALS:

All manufacturer's operating instructions and maintenance manuals will be compiled in a tabbed and labeled 3-ring binder. (Furnish Owner with two (2) sets).

8. FORM W-9, PAYER'S REQUEST FOR TAXPAYER IDENTIFICATION NUMBER AND CERTIFICATION (IRS):

Form W-9 is to be completed by non-corporation contractors. Non-applicable if Contractor's firm is Incorporated.

9. FINAL CLEANING:

At close out time clean and re-clean entire work to normal level for "FIRST CLASS" maintenance/cleaning.

BIDDER'S PROPOSAL

**JAMES STREET WATER TREATMENT PLANT REHABILITATION – PHASE 3
HATTIESBURG, MS**

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Non-Collusion Affidavit.....	00300-10
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Proposed Subcontractors	00300-13

BIDDER'S PROPOSAL

**JAMES STREET WATER TREATMENT PLANT REHABILITATION – PHASE 3
HATTIESBURG, MS**

Date _____

TO:

The following Proposal is submitted on behalf of the undersigned Bidder(s) and no others. Evidence of my (our) authority to submit the Proposal is hereby furnished. The Proposal is submitted without collusion on the part of any person, firm or corporation.

I (We), the undersigned Bidder(s), certify that I (we) have carefully examined the Instructions to Bidders, Bid Forms, General Conditions, Supplemental Conditions, Technical Specifications, Contract Drawings and any and all Addenda thereof.

I (We) further certify that I (we) have visited and carefully examined the site of the proposed Work and have inspected the location and condition of all public utilities and existing structures or other facilities on the site or adjacent thereto which may be affected by the proposed construction and fully understand all conditions relative to construction difficulties, hazards, labor, transportation and all other factors affecting the prosecution of the work covered by this Proposal.

I (We) understand that the quantities mentioned below are approximate only and are subject to either increase or decrease, and hereby propose to perform any increased or decreased quantities of work at the unit prices bid. No increase in quantities of work shall be performed until a written change order is duly executed in advance and approved in the public minutes of the Owner.

In accordance with the requirements of the Instructions to Bidders, Bid Forms, 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 construction of the James Street Water Treatment Plant Rehabilitation – Phase 3.

**JAMES STREET WATER TREATMENT PLANT REHABILITATION – PHASE 3
HATTIESBURG, MS**

PRICES BID TABLE

UNIT PRICE OR LUMP SUM PRICE

Pay Item	Description	Quantity	Unit	Unit Price (Price in Figures)	Total Price (Price in Figures)
1.0	Filter Rehabilitation - Filter No. 1	1	L.S.		
TOTAL 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.

DECLARATION OF EQUIPMENT MANUFACTURERS

The successful Bidder shall provide equipment for this Contract which meets the technical and performance requirements of the Contract Documents. This Declaration of Equipment Manufacturers indicates the named equipment manufacturer listed in the Specifications for the selected equipment items shown on the following pages. For each equipment item, there is one space provided for the Bidder to list an additional equipment manufacturer which the Bidder would propose to utilize on this Project. Only one manufacturer may be written in by the bidder for each equipment item. If the Bidder does not list an additional manufacturer in the space provided, equipment from the named manufacturer shall be provided. If, after the completion of the evaluation procedure outlined below, the ENGINEER determines that equipment from the listed manufacturer does not meet the requirements of the specifications, the Bidder shall provide equipment from the named equipment manufacturer. Bidder must provide equipment from the named manufacturer if the bidder's listed manufacturer, if any, is not approved. No additional manufacturers may be submitted for consideration after receipt of bids. The Bidder shall enter a Deduct Amount for each listed equipment manufacturer entered. This Deduct Amount will be the amount deducted from the Contract Amount if the ENGINEER's evaluation determines that the equipment from the Bidder's proposed listed manufacturer meets the requirements of the Specifications.

The Deduct Amounts for approved listed manufacturers shall **not** be used in the evaluation and award of the Contract. **The Bidder shall use costs from the named manufacturer in developing his Bid.** After award and execution of the Contract, the Deduct Amounts for the approved listed manufacturers shall be summarized and a deduct change order shall be executed between the OWNER and CONTRACTOR to incorporate these equipment items into the Work.

Evaluation of Listed Manufacturers

If a Bidder lists a manufacturer for any equipment items, he must submit three copies of a Technical Proposal from that manufacturer with his Bid. A Technical Proposal from a listed manufacturer shall contain the following information:

1. For products or manufacturers:
 - a. Product identification, including manufacturer's name and address.
 - b. Specific manufacturer's literature with product description, performance and test data, and reference standards.
 - c. Samples, if appropriate.
 - d. Name and address of similar projects on which the product was used, date of installation, names and telephone numbers of engineers and/or owners who can provide information relative to the proposed product.
2. Itemized comparison of the proposed product with product specified; list significant variations.
3. List of changes required in other work or products.
4. Designation of required license fees or royalties.
5. Designation of availability of maintenance services and sources of replacement materials.
6. Such other data as may be required to establish that the proposed substitution is equal to the product specified.

If a listed manufacturer is approved for use on the Project, the successful Bidder maintains

responsibility for coordination of the proposed equipment item into the Work and shall make any changes as may be

required for the Work to be complete in all respects without additional cost to the OWNER.

The successful Bidder shall reimburse the OWNER for any costs incurred by the ENGINEER to redesign or otherwise modify the Contract Documents to incorporate any listed equipment item.

The ENGINEER will review the Technical Proposals after receipt of bids. If the ENGINEER determines that the information included in the Technical Proposal is not sufficient in type or detail to verify that the proposed product is equal to the specified product, the ENGINEER will notify the Bidder(s) in writing. The Bidder(s) must submit the additional information required to verify compliance with the specifications to the ENGINEER within seven calendar days from the date of receipt of request of this information from the ENGINEER. If, after review of all submitted information by the Bidder, the ENGINEER determines that the proposed product is not equal to specified product, or if the additional information requested by the ENGINEER is not submitted within the seven calendar-day time period, the proposed product/manufacturer will be rejected and the successful Bidder shall proceed with the named equipment manufacturer on the Declaration of Equipment Manufacturers.

The preliminary evaluation of the proposed equipment manufacturer by the OWNER and ENGINEER is not a conclusive determination of responsibility and an equipment manufacturer may be rejected at a later date as non-responsive on the basis of subsequently introduced information in the Shop Drawing review procedure. The emphasis of the requirements outlined herein is that the equipment furnished by the successful Bidder must comply with the requirements of the Contract Documents and that equipment selections be made in a timely manner to facilitate the OWNER's construction schedule. The procedure specified herein to determine an acceptable equipment manufacturer shall not be grounds by the successful Bidder for extra costs or an extension of Contract Time or for not complying with the contract time requirements included in the Contract.

Equipment items not included in the Declaration of Equipment Manufacturers are not covered by the procedure and requirements outlined in this Section. Equipment items not included in the Declaration of Equipment Manufacturers are governed by the requirements set forth in the Supplementary Conditions.

DECLARATION OF EQUIPMENT MANUFACTURERS

Equipment Item	Specification Reference	Named Manufacturer	Listed Manufacturer	Deduct Amount for Listed Manufacturer
Filtration System.	13200	Leopold Xylem		

Note: The Bidder shall use costs from the named manufacturer in developing his Bid.

The undersigned agrees that, if awarded the Contract, the work will commence within 10 calendar days after the date of receipt of written Notice to Proceed, and that the work will be completed within 180 calendar days thereafter. The undersigned accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

The undersigned acknowledges receipt of the following addenda:

No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____
No. _____	Dated _____	No. _____	Dated _____

Enclosed is a bid guarantee, consisting of _____

in the amount of _____

Bidder's Name

Bidder's Address

Signature of Responsible Official

Title

State of Incorporation or Names of All Partners

(To Be Filled In If Bidder Is A Corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

Treasurer

(To be filled in if a Bidder is a Partnership)

Address

NON-COLLUSION AFFIDAVIT

(This affidavit must be executed for the Bid to be considered)

STATE OF _____)
)
COUNTY OF _____)

_____ 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 City of Hattiesburg 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)

State of _____

My Commission Expires _____, 20_____

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned _____
as Principal, and _____ as Surety, are hereby held and firmly bound unto
the CITY OF HATTIESBURG, MISSISSIPPI, as 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 City of
Hattiesburg, a certain bid, attached hereto and hereby made a part hereof to enter into a contract in
writing for the construction of the James Street Water Treatment Plant Rehabilitation – Phase 3.

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.

SEAL

Contractor

By: _____

SEAL

Surety

By: _____

PROPOSED SUBCONTRACTORS

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

SECTION 01005

ABBREVIATIONS

PART 1 - GENERAL

1.01 DESCRIPTION

Whenever in these Contract Documents the following abbreviations are used, the intent and meaning shall be interpreted as follows:

AA	Aluminum Association
AAMA	Architectural Aluminum Manufacturers' Association
AAN	American Association for Nurserymen
AASHTO	American Association of State Highway and Transportation Officials
ACI	American Concrete Institute
ACPA	American Concrete Pipe Association
AFBMA	Anti-Friction Bearing Manufacturers' Association
AGA	American Gas Association
AGMA	American Gear Manufacturers' Association
AI	Asphalt Institute
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
AITC	American Institute of Timber Construction
AMCA	Air Moving and Conditioning Association
ANSI	American National Standards Institute
APA	American Plywood Association
API	American Petroleum Institute
AREA	American Railway Engineering Association
ASAE	American Society of Agricultural Engineers
ASCE	American Society of Civil Engineers
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
ASME	American Society of Mechanical Engineers
ASTM	American Society of Testing and Materials
AWI	Architectural Woodwork Institute
AWPA	American Wood Preservers' Association
AWPB	American Wood Preservers' Bureau
AWS	American Welding Society
AWWA	American Water Works Association
BHMA	Builders' Hardware Manufacturers' Association
CBMA	Certified Ballast Manufacturers' Association
CDA	Copper Development Association
CISPI	Cast Iron Soil Pipe Institute
CLFMI	Chain Link Fence Manufacturers Institute
CMAA	Crane Manufacturers' Association of America
CRSI	Concrete Reinforcing Steel Institute

DIPRA	Ductile Iron Pipe Research Association
DWS	MSDH Division of Water Supply
Fed. Spec.	Federal Specifications
HI	Hydraulic Institute
HMI	Hoist Manufacturers' Institute
ICBO	International Conference of Building Officials
IEEE	Institute of Electrical and Electronics Engineers, Inc.
IPCEA	Insulated Power Cable Engineer's Association
MSHD	Mississippi Highway Department
MSDH	Mississippi State Department of Health
MDEQ	Mississippi Department of Environmental Quality
MMA	Monorail Manufacturers' Association
NACE	National Association of Coatings Engineers
NBMA	National Builders' Hardware Association
NEC	National Electrical Code
NEMA	National Electrical Manufacturers' Association
NFPA	National Fire Protection Association
NLMA	National Lumber Manufacturers' Association
NSPE	National Society of Professional Engineers
NWMA	National Woodwork Manufacturers' Association
OECI	Overhead Electrical Crane Institute
OPC	Office of Pollution Control
OSCI	Office of Standards Code and Information
PCA	Portland Cement Association
PCI	Prestressed Concrete Institute
PS	Product Standards Sections - U.S. Department of Commerce
RMA	Rubber Manufacturers' Association
SAE	Society of Automotive Engineers
SSPC	Steel Structures Painting Council
TCA	Tile Council of America
TEMA	Tubular Exchanger Manufacturers' Association
UBC	Uniform Building Code
UL	Underwriter's Laboratories, Inc.
UNI-BELL	Uni-Bell Plastic Pipe Association
WWPA	Western Wood Products Association

END OF SECTION

SECTION 01010

SUMMARY OF WORK

PART 1 - GENERAL

1.01 WORK TO BE DONE

- A. The CONTRACTOR shall furnish all labor, materials, equipment, tools, services and incidentals to complete all work required by and in compliance with these Technical Specifications and as shown on the Contract 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 Technical Specifications or Contract 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.

1.02 WORK SEQUENCE

- A. All work to be done under the Contract shall be done with minimum inconvenience to the users of the system. The CONTRACTOR shall coordinate his work with private property owners, if required, such that existing service is maintained to all users at all times.
- B. The CONTRACTOR shall construct the Work in stages to accommodate the OWNER'S use of the premises during the construction period and coordinate the construction schedule and operations with the ENGINEER.
- C. The CONTRACTOR shall construct the Work in stages to provide for public convenience.

1.03 CONSTRUCTION AREAS

- A. The CONTRACTOR shall limit his use of the construction areas for Work and for storage.
- B. The CONTRACTOR shall assume full responsibility for the protection, security and safekeeping of products under this Contract, stored on the site or additional storage areas.
- C. The CONTRACTOR shall obtain and pay for the use of additional storage or work areas needed for operations.

1.04 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 Technical 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 Technical 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 Technical 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 Technical 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.

1.05 ENVIRONMENTAL CONTROLS

- A. Provisions for Control of Erosion and Pollutants: Sufficient precautions shall be taken during construction to minimize the run-off 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. Control measures must be adequate to assure that turbidity in the receiving waters will not be increased more than otherwise required by the state or other controlling agency. Special precautions shall be taken in the use of construction equipment to prevent operations which promote erosion. CONTRACTOR shall be responsible for obtaining all permits in conjunction with the conveyance of storm water during construction activities.
- B. In the event of inclement weather CONTRACTOR and Subcontractors will protect carefully the Work and materials against damage or injury from the weather. 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.

C. Public Nuisance:

1. The CONTRACTOR shall not create a public nuisance, including, but not limited to, encroachment on adjacent lands, flooding of adjacent lands, or excessive noise.
2. Sound levels from CONTRACTOR operations shall not exceed 45 dBA 7 PM to 7 AM or 55 dBA 7 AM to 7 PM. This sound level to be measured at the exterior of the nearest exterior wall of the nearest residence. Levels at operating equipment shall not exceed 85 dBA at the equipment at any time. Sound levels in excess of these values are sufficient cause to have the work halted until equipment can be quieted to these levels. Work stoppage by the ENGINEER for excessive noise shall not relieve the CONTRACTOR of any obligations under the contract, including, but not limited to, performance of the work at the contract time and contract price.
3. No extra payment will be made for time lost due to work stoppage resulting from the creation of a public nuisance.

D. Relocations

The CONTRACTOR shall be responsible for the relocation of structures, including, but not limited to, light poles, signs, sign poles, fences, piping, conduits and drains that interfere with the positioning of the work. The cost of all such relocations shall be included in the bid.

E. 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.

F. Hazardous Locations

1. 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.
2. If a working area 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.
3. 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 hazardous gas could be present.

1.06 TEMPORARY UTILITIES

A. Temporary Water

1. The CONTRACTOR shall provide and pay for all water required for construction and consumptive purposes.
2. The CONTRACTOR shall install at each and every connection to the potable water supply a backflow preventer meeting the requirements of ASA A40.6, latest revision.

B. Temporary Sanitary Facilities

1. The CONTRACTOR shall provide sanitary facilities in compliance with the State and local regulations.
2. The CONTRACTOR shall service, clean, and maintain the facilities and enclosures. The CONTRACTOR shall provide pick-up and disposal of garbage not less than once per week.

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 unit and lump sum prices listed herein.
- B. The items listed below beginning with Article 1.03, refer to and are the same pay items listed in the Proposal. They 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, taxes, 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 unit and lump sum pay items listed herein.
- C. Each lump sum bid 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.

1.02 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.

Schedule of Values: Section 01026.

1.03 MEASUREMENT AND PAYMENT

- A. Item 1.0 – Filter Rehabilitation - Filter No. 6:
 - 1. Description: Item 1.0 includes all construction activities required to complete the filter rehabilitation for Filter 6 as shown and/or specified.
 - 2. Measurement and Payment: The lump sum payment for Item 1.0 will be full compensation for all work required to rehabilitate Filter 6 as shown on the Drawings and/or specified under Divisions 1 through 16 and to include, but not limited to, all associated demolition, lining systems, electrical installation, instrumentation, valves, and painting.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION

01025-2

SECTION 01026

SCHEDULE OF VALUES

PART 1 - GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Submit to the ENGINEER a Preliminary Schedule of Values in accordance with Article 14.1 of the General Conditions.
- B. Upon request of the ENGINEER, support the values with data which will substantiate their correctness.
- C. The final Schedule of Values shall be used only as the basis for the CONTRACTOR'S Applications for Payment.

1.02 ORGANIZATIONAL FORM AND CONTENT OF SCHEDULE OF VALUES

- A. The schedule of component parts and work items shall be grouped by disciplines corresponding to Division 1 through 16 as outlined in the Table of Contents.
- B. Type schedule on 8-1/2 inch x 11 inch or 8-1/2 inch x 14 inch white paper. CONTRACTOR'S standard forms and automated printout will be considered for approval by the ENGINEER upon CONTRACTOR'S request. Identify schedule with:
 - 1. Title of Contract and location.
 - 2. ENGINEER and Contract numbers.
 - 3. Name and Address of CONTRACTOR.
 - 4. Contract designation.
 - 5. Date of submission.
- C. Schedule shall list the installed value of the component parts of the Work in sufficient detail (labor, materials, equipment and other costs) to serve as a basis for computing values for progress payments during construction.
- D. Identify each line item with the number and title of the respective major section of the specifications.
- E. For each major line item list sub-values of major products or operations under the item.
- F. For the various portions of the Work:
 - 1. Each item shall include a directly proportional amount of the CONTRACTOR'S overhead and profit.
 - 2. For items on which progress payments will be requested for stored materials, break down the value into the cost of the materials, delivered and unloaded, with taxes paid. Paid invoices are required for materials upon request by the ENGINEER.

-
- G. The sum of all component parts and work items listed in the Schedule of Values shall equal the total contract sum.

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 Agreement and in the form required by the OWNER.

1.02 FORMAT AND DATA REQUIRED

- A. Submit applications typed with items from Prices Bid Table typed on Application for Payment form approved by the ENGINEER.
- B. Provide detailed substantiating data on additional sheets, including paid invoices where applicable.

1.03 PREPARATION OF APPLICATION FOR PROGRESS PAYMENTS

- A. Progress Payment Summary Sheet:
 - 1. Fill in required information, including that for Change Orders executed prior to date of submittal of application, Analysis of Adjusted Contract Amount to Date, Analysis of work performed to date, Certification of Contractor, and Recommendation of Engineer.
 - 2. Execute certification with signature of a responsible employee of the CONTRACTOR.
- B. Progress Payment Quantity Used Sheets:
 - 1. Fill in item from Prices Bid Table with item number, description, original contract quantity, unit cost, original contract total cost, quantity completed to date, total cost-to-date, and percent completion of item.
 - 2. To receive payment for materials stored on site, submit copies of the original paid invoices with the application for payment.
- C. Progress Payment Stored Materials Sheets:
 - 1. Create table with the following columns:
 - a. Description of stored material.
 - b. Received previous.
 - c. Received current.
 - d. Total received.
 - e. Total used.
 - f. Total stored.
 - g. Unit price.
 - h. Total cost.

-
2. Attach table to Application for Payment.
 3. Stored materials shall be inventoried jointly prior to each application for payment.

1.04 ADDITIONAL REQUIREMENTS FOR APPLICATION OF PROGRESS PAYMENTS

- A. 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 ENGINEER.
- B. Provide updated construction schedule showing work completed and work projected by month to the completion of the project if requested by ENGINEER.

1.05 PREPARATION OF APPLICATION FOR FINAL PAYMENT

- A. Fill in application form as specified for progress payments.
- B. Label progress payment "final."

1.06 SUBMITTAL PROCEDURE

- A. Submit applications for payment to the ENGINEER at the times stipulated in the General Conditions.
- B. A 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 six complete sets to the ENGINEER.
- C. When the ENGINEER finds the application properly completed and correct, as informally approved, he will transmit four copies 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 01041

PROJECT COORDINATION

PART 1 - GENERAL

1.01 WORK PROGRESS

- A. 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. The Contractor will be assessed liquidated damages if the work is not completed within the time limit(s) stipulated in the Agreement.
- B. The water treatment plant may be shut down for brief periods of time. Unless authorized by the Owner and Engineer the maximum allowable shut-down period shall not exceed the amount of time defined by the Owner. The Contractor shall coordinate with the Owner and Engineer 24 hours prior to each shut down period.

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

Structures and pipelines 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. Where fittings are noted on the Drawings, such notation is for the CONTRACTOR'S convenience and does not relieve him from laying and jointing different or additional items where required. Piping is shown in a schematic manner only and all items of piping may not be shown on the drawings. It is the CONTRACTOR'S responsibility to furnish all items necessary for a complete and operable system. If additional fittings, pipe, supports, flanges, couplings, concrete or other items are required for a complete and operable system, the CONTRACTOR shall furnish and install these items at his expense.

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.

A. **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.

1.05 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.

1.06 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.

1.07 PROTECTION OF CONSTRUCTED WORK

All newly constructed work shall be carefully protected from injury in any way. All portions of the work injured shall be reconstructed by the CONTRACTOR at his own expense.

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. Application: When a standard is specified by reference, comply with requirements and recommendations stated in that standard, except when requirements are modified by the Contract Documents, or applicable codes establish stricter standards.
- B. Publication 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 ADDRESSEES OF ORGANIZATIONS

The following standards are 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 on Contract Documents.

ACI	American Concrete Institute 22400 W. Seven Mile Road Detroit, MI 48219 (313) 532-2600
AI	Asphalt Institute Asphalt Institute Building College Park, MD 20740-1802 (301) 277-4258
AISC	American Institute of Steel Construction 400 N. Michigan Avenue Chicago, IL 60611 (312) 670-2400
ANSI	American National Standards Institute 1430 Broadway 10018 New York, NY (212) 354-3300

ASCE	American Society of Civil Engineers 345 East 47th Street New York, NY 10017 1-800-548-ASCE
ASME	American Society of Mechanical Engineers 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
AWS	American Welding Society 550 N.W. 42nd Avenue Miami, FL 33126 1-800-443-9353
AWWA	American Water Works Association 6666 W. Quincy Avenue Denver, CO 80235 (303) 794-7711
OPC	Office of Pollution Control P.O. Box 10385 Jackson, Mississippi 39289-0385 (601) 961-5171
CRSI	Concrete Reinforcing Steel Institute 933 N. Plum Grove Road Chaumberg, IL 60173 (312) 490-1700
DIPRA	Ductile Iron Pipe Research Association 245 Riverchase Parkway E., Suite 100 Birmingham, AL 35244 (404) 432-3680
MDOT	Mississippi Department of Transportation Construction Department P.O. Box 1850 Jackson, Mississippi 39215-1850 (601) 359-1159

NSPE	National Society of Professional Engineers 1420 King Street Alexandria, VA 22314
PCA	Portland Cement Association 5420 Old Orchard Road Skokie, IL 20076 (312) 966-6200
MSDH	Mississippi State Department of Health P.O. Box 1700 Jackson, Mississippi 39215-1700 (601) 960-7518
UL	Underwriters' Laboratories, Inc. 333 Pfingsten Road Northbrook, IL 60062 (312) 272-8800
UNI-BELL	Uni-Bell Plastic Pipe Association 2655 Villa Creek Drive Suite 150 Dallas, TX 75234

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION

SECTION 01110

ENVIRONMENTAL PROTECTION PROCEDURES

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. The work covered by this Section consists of furnishing all labor, materials and equipment and performing all work required for the prevention of environmental pollution in conformance with applicable laws and regulations, during and as the result of construction operations under this Contract. For the purpose of this Specification, environmental pollution is defined as the presence of chemical, physical, or biological elements or agents which adversely affect human health or welfare; unfavorably alter ecological balances of importance to human life; affect other species of importance to man; or degrade the utility of the environment for aesthetic and/or recreational purposes.
- B. The control of environmental pollution requires consideration of air, water and land, and involves management of noise and solid waste, as well as other pollutants.
- C. Schedule and conduct all work in a manner that will minimize the erosion of soils in the area of the work. Provide erosion control measures such as sedimentation or filtration systems, berms, silt fences, seeding, mulching or other special surface treatments as are required to prevent silting and muddying of streams, rivers, impoundments, lakes, etc. All erosion control measures shall be in place in an area prior to any construction activity in that area.
- D. These Specifications are intended to ensure that construction is achieved with a minimum of disturbance to the existing ecological balance between a water resource and its surroundings. These are general guidelines. It is the CONTRACTOR'S responsibility to determine the specific construction techniques to meet these guidelines.
- E. All phases of sedimentation and erosion control shall comply with and be subject to the approval of the Mississippi Department of Environmental Quality and the U.S. EPA.

1.02 APPLICABLE REGULATIONS

Comply with all applicable Federal, State and local laws and regulations concerning environmental pollution control and abatement.

1.03 NOTIFICATIONS

The ENGINEER will notify the CONTRACTOR in writing of non-compliance with the foregoing provisions or of any environmentally objectional acts and corrective action to be taken. State or local agencies responsible for verification of certain aspects of the environmental protection requirements shall notify the CONTRACTOR in writing, through the ENGINEER, of any non-compliance with State or local requirements. The CONTRACTOR shall, after receipt of such notice from the ENGINEER or from the regulatory agency through the ENGINEER, immediately take corrective

action. Such notice, when delivered to the CONTRACTOR or his/her authorized representative at the site of the work, shall be deemed sufficient for the purpose. If the CONTRACTOR fails or refuses to comply promptly, the OWNER may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No part of the time lost due to any such stop orders shall be made the subject of a claim for extension of time or for excess costs or damages by the CONTRACTOR unless it is later determined that the CONTRACTOR was in compliance.

1.04 IMPLEMENTATION

- A. Prior to commencement of the work, meet with the OWNER to develop mutual understandings relative to compliance with this provision and administration of the environmental pollution control program.
- B. Remove temporary environmental control features, when approved by the ENGINEER, and incorporate permanent control features into the project at the earliest practicable time.

1.05 PROTECTION OF WATERWAYS

- A. The CONTRACTOR shall observe the rules and regulations of the State of Mississippi and agencies of the U.S. Government prohibiting the pollution of any lake, stream, river, or wetland by the dumping of any refuse, rubbish, dredge material, or debris therein.
- B. CONTRACTORS are specifically cautioned that disposal of materials into any waters of the State must conform with the requirements of the Mississippi Department of Environmental Quality, and an applicable permit from the U.S. Army Corps of Engineers.
- C. The CONTRACTOR shall be responsible for providing holding ponds or an approved method which will handle, carry through, or divert around his work all flows, including storm flows and flows created by construction activity, so as to prevent silting of waterways or flooding damage to the property or adjacent properties.
- D. The CONTRACTOR is responsible for obtaining a U.S. EPA NPDES permit for construction and for monitoring the site per the permit requirements until final completion.

1.06 DISPOSAL OF EXCESS EXCAVATION AND OTHER WASTE MATERIALS

- A. Excess excavated material not required or suitable for backfill and other waste material must be disposed of offsite in accordance with applicable laws and regulations.
- B. Unacceptable disposal sites, include, but are not limited to, sites within a wetland or critical habitat and sites where disposal will have a detrimental effect on surface water or groundwater quality.
- C. The CONTRACTOR may make his own arrangements for disposal subject to submission of proof to the ENGINEER that the OWNER(s) of the proposed site(s) has a valid fill permit issued by the appropriate governmental agency and submission of a haul route plan including a map of the proposed route(s).

-
- D. The CONTRACTOR shall provide watertight conveyance of any liquid, semi-liquid, or saturated solids which tend to bleed or leak during transport. No liquid loss from transported materials will be permitted whether being delivered to the construction site or being hauled away for disposal. Fluid materials hauled for disposal must be specifically acceptable at the selected disposal site.

1.07 USE OF CHEMICALS

- A. All chemicals used during project construction or furnished for project operation, whether herbicide, pesticide, disinfectant, polymer, reactant or of other classification, must show approval of either the U.S. Environmental Protection Agency or the U.S. Department of Agriculture or any other applicable regulatory agency. Use of all such chemicals and disposal of residues shall be in conformance with the manufacturer's instructions.
- B. Any oil or other hydrocarbon spilled or dumped on the OWNER'S site during construction must be excavated and completely removed from the site prior to final acceptance. Soil contaminated by the CONTRACTOR'S operations shall become the property of the CONTRACTOR, who will bear all costs of testing and disposal.
- C. Before a CONTRACTOR commences work, the following steps shall be completed.
1. The OWNER will provide a copy of the Chemical List giving the hazardous chemicals to which the CONTRACTOR, his employees and agents may be exposed to on the project site.
 2. The OWNER will provide copies of all Material Safety Data Sheets (MSDS) to the CONTRACTOR for the hazardous chemicals which CONTRACTOR may be exposed to on the project site.
 3. The OWNER will inform the CONTRACTOR of his obligation to inform his employees and agents of each of the above requirements.
 4. The CONTRACTOR shall provide MSDSs for all hazardous chemicals he may bring onto the project site that OWNER'S employees may be exposed to.
 5. The CONTRACTOR shall sign a CONTRACTOR Acknowledgement certifying that he has received the information provided by the OWNER on hazardous chemicals and maintain the Acknowledgement with the original Contract.

1.08 PAYMENT

The work specified in this Section shall be considered incidental and payment will be included as part of the appropriate lump sum or unit prices specified in the Bid Forms, located in Section 00300.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.01 EROSION CONTROL

Provide positive means of erosion control such as shallow ditches around construction to carry off surface water. Erosion control measures, such as siltation basins, mulching, jute netting and other equivalent techniques, shall be used as appropriate. Flow of surface water into excavated areas shall be prevented. Ditches around construction area shall also be used to carry away water resulting from dewatering of excavated areas. At the completion of the work, ditches shall be backfilled and the ground surface restored to original condition.

3.02 PROTECTION OF STREAMS

- A. Care shall be taken to prevent, or reduce to a minimum, any damage to any stream from pollution by debris, sediment or other material, or from the manipulation of equipment and/or materials in or near such streams. Water that has been used for washing or processing, or that contains oils or sediments that will reduce the quality of the water in the stream, shall not be directly returned to the stream. Such waters will be diverted through a settling basin or filter before being directed into the streams.
- B. The CONTRACTOR shall not discharge water from dewatering operations directly into any live or intermittent stream, channel, wetlands, surface water or any storm sewer. Water from dewatering operations shall be treated by filtration, settling basins, or other approved method to reduce the amount of sediment contained in the water.
- C. All preventative measures shall be taken to avoid spillage of petroleum products and other pollutants. In the event of any spillage, prompt remedial action shall be taken in accordance with a contingency action plan approved by the Mississippi Department of Environmental Quality. CONTRACTOR shall submit two copies of approved contingency plans to the ENGINEER.
- D. Water being flushed from structures or pipelines after disinfection, with a chlorine residue of 2 mg/l or greater, shall be treated with a dechlorination solution, in a method approved by the ENGINEER, prior to discharge.

3.03 PROTECTION OF LAND RESOURCES

- A. Land resources within the project boundaries and outside the limits of permanent work shall be restored to a condition, after completion of construction that will appear to be natural and not detract from the appearance of the project. Confine all construction activities to areas shown on the Drawings.
- B. Outside of areas requiring earthwork for the construction of the new facilities, the CONTRACTOR shall not deface, injure, or destroy trees or shrubs, nor remove or cut them without prior approval. No ropes, cables, or guys shall be fastened to or attached to any existing nearby trees for anchorage unless specifically authorized by the ENGINEER. Where such special emergency use is permitted, first wrap the trunk with a sufficient thickness of burlap or rags over which softwood cleats shall be tied before any rope, cable, or wire is

placed. The CONTRACTOR shall in any event be responsible for any damage resulting from such use.

- C. Where trees may possibly be defaced, bruised, injured, or otherwise damaged by the CONTRACTOR'S equipment, dumping or other operations, protect such trees by placing boards, planks, or poles around them. Monuments and markers shall be protected similarly before beginning operations near them.
- D. Any trees or other landscape feature scarred or damaged by the CONTRACTOR'S equipment or operations shall be restored as nearly as possible to its original condition. The ENGINEER will decide what method of restoration shall be used and whether damaged trees shall be treated and healed or removed and disposed of.

All scars made on trees by equipment, construction operations, or by the removal of limbs larger than one inch in diameter shall be coated as soon as possible with an approved tree wound dressing. All trimming or pruning shall be performed in an approved manner by experienced workmen with saws or pruning shears. Tree trimming with axes will not be permitted.

Trees that are to remain, either within or outside established clearing limits, that are subsequently damaged by the CONTRACTOR and are beyond saving in the opinion of the ENGINEER, shall be immediately removed and replaced.

- E. The locations of the CONTRACTOR'S storage, and other construction buildings, required temporarily in the performance of the work, shall be cleared portions of the job site or areas to be cleared as shown on the Drawings and shall require written approval of the ENGINEER and shall not be within wetlands or floodplains. The preservation of the landscape shall be an imperative consideration in the selection of all sites and in the construction of buildings. Drawings showing storage facilities shall be submitted for approval of the ENGINEER.
- F. If the CONTRACTOR proposes to construct temporary roads or embankments and excavations for plant and/or work areas, he/she shall submit the following for approval at least ten days prior to scheduled start of such temporary work.
 - 1. A layout of all temporary roads, excavations and embankments to be constructed within the work area.
 - 2. Details of temporary road construction.
 - 3. Drawings and cross sections of proposed embankments and their foundations, including a description of proposed materials.
 - 4. A landscaping drawing showing the proposed restoration of the area. Removal of any trees and shrubs outside the limits of existing clearing area shall be indicated. The drawing shall also indicate location of required guard posts or barriers required to control vehicular traffic passing close to trees and shrubs to be maintained undamaged. The drawing shall provide for the obliteration of construction scars as such and shall provide for a natural appearing final condition of the area. Modification of the CONTRACTOR'S approved drawings shall be made only with the written approval of the ENGINEER. No unauthorized road construction, excavation or embankment construction including disposal areas will be permitted.

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- G. Remove all signs of temporary construction facilities such as haul roads, work areas, structures, foundations of temporary structures, stockpiles of excess or waste materials, or any other vestiges of construction as required. It is anticipated that excavation, filling and plowing of roadways will be required to restore the area to near natural conditions which will permit the growth of vegetation thereon. The disturbed areas shall be prepared and seeded as described in Section 02930 Grassing, or as approved by the ENGINEER.
 - H. All debris and excess material will be disposed of outside wetland or floodplain areas in an environmentally sound manner.

3.04 PROTECTION OF AIR QUALITY

- A. Burning. The use of burning at the project site for the disposal of refuse and debris will not be permitted.
- B. Dust Control. The CONTRACTOR will be required to maintain all excavations, embankment, stockpiles, access roads, plant sites, waste areas, borrow areas, and all other work areas within or without the project boundaries free from dust which could cause the standards for air pollution to be exceeded, and which would cause a hazard or nuisance to others.
- C. An approved method of stabilization consisting of sprinkling or other similar methods will be permitted to control dust. The use of petroleum products is prohibited. The use of chlorides may be permitted with approval from the ENGINEER.
- D. Sprinkling, to be approved, must be repeated at such intervals as to keep all parts of the disturbed area at least damp at all times, and the CONTRACTOR must have sufficient suitable equipment on the job to accomplish this if sprinkling is used. Dust control shall be performed as the work proceeds and whenever a dust nuisance or hazard occurs, as determined by the ENGINEER.

3.05 MAINTENANCE OF POLLUTION CONTROL FACILITIES DURING CONSTRUCTION

During the life of this Contract, maintain all facilities constructed for pollution control as long as the operations creating the particular pollutant are being carried out or until the material concerned has become stabilized to the extent that pollution is no longer being created.

3.06 NOISE CONTROL

The CONTRACTOR shall make every effort to minimize noises caused by his/her operations. Equipment shall be equipped with silencers or mufflers designed to operate with the least possible noise in compliance with State and Federal regulations.

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 representatives 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. When the Work is not being performed consistently with the Contract Documents and construction schedules, the CONTRACTOR shall identify at the meetings the steps being taken 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.
 16. Notice to Proceed and Final Completion date.

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 01315

PROGRESS SCHEDULE AND REPORTS

PART 1 - GENERAL

1.01 GENERAL

- A. CONTRACTOR shall comply with the General Conditions.
- B. Submit revised progress schedules monthly.
- C. Schedules shall be coordinated with the ENGINEER.

1.02 SCHEDULE FORMAT

- A. Prepare schedules in the form on a horizontal bar chart.
 - 1. Provide separate horizontal bar for each unit process or operation.
 - 2. Horizontal time scale: identify the first work day of each week.
 - 3. Scale and spacing: Allow spacing for notations and future revisions.
 - 4. Minimum Sheet Size: 8-1/2- inches by 11-inches.

1.03 CONTENTS OF SCHEDULE

- A. Construction Progress Schedule:
 - 1. Show the complete sequence of construction activities.
 - 2. Show projected dates for plant shut downs discussed in Section 01041, Project Coordination.
 - 3. Show the dates for the beginning, and completion of each major element of construction.
 - 4. Show projected percentage of completion for each item, as of the first day of each month.

1.04 PROGRESS REVISIONS

- A. Schedule for Submittals and Shop Drawings
 - 1. Show the projected dates for submittals and shop drawings.
 - 2. The dates the approved submittals will be required from the ENGINEER.
 - 3. A brief description of the activity.
- B. Show changes occurring since the previous submission of the schedule:
 - 1. Major changes in scope.
 - 2. Activities modified since the previous submission.
 - 3. Revised projections of progress and completion.
 - 4. Other identifiable changes.

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- 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 PRECONSTRUCTION CONFERENCE

CONTRACTOR shall provide to the OWNER and ENGINEER at Preconstruction Meeting a preliminary schedule defining the planned operations during the first 60 calendar days after Notice to Proceed. The CONTRACTOR'S general approach for the balance of the Project shall be indicated.

1.06 ADJUSTMENT OF CONTRACT SCHEDULE AND COMPLETION TIME

- A. The Contract completion time will be adjusted only for causes specified in this Contract. In the event the CONTRACTOR requests an extension of any Contract completion date, he shall furnish such justification and supporting evidence as the OWNER may deem necessary to determine whether the CONTRACTOR is entitled to an extension of time under the provisions of this Contract. The OWNER will, after receipt of such justification and supporting evidence, make findings of fact and will advise the CONTRACTOR in writing thereof. If the OWNER finds that the CONTRACTOR is entitled to any extension of any Contract completion date, the OWNER's determination as to the total number of days extension shall be based upon the currently approved schedule and on all data relevant to the extension. Such data shall be included in the next updating of the schedule.
- B. Each request for change in Contract completion data shall be submitted by the CONTRACTOR to the OWNER within 30 calendar days after the beginning of the delay for which a time extension is requested but before the date of final payment under this Contract. No time extensions will be granted for requests which are not submitted within the foregoing time limit.
- C. From time to time it may be necessary for the Contract schedule or completion time to be adjusted by the OWNER to reflect the effects of job conditions, weather, technical difficulties, strikes, unavoidable delays on the part of the OWNER or its representatives, and other unforeseeable conditions which may indicate schedule adjustments or completion time extensions. Under such conditions, the OWNER will direct the CONTRACTOR to reschedule the work or Contract completion time to reflect the changed conditions, and the CONTRACTOR shall revise his schedule accordingly. No additional compensation will be made to the CONTRACTOR for such schedule changes except for unavoidable overall contract time extensions beyond the actual completion of unaffected work, in which case the CONTRACTOR shall take all possible action to minimize any time extension and any additional costs to the OWNER.

1.07 SCHEDULE OF VALUES

- A. The approved schedule shall be the schedule used by the CONTRACTOR for reporting progress and requesting payment for work accomplished.

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- B. Requests for Payment shall include an updated schedule showing the activities or portions of activities completed during the payment period. Payment made will be based on the total value of such activities completed or partially completed after verification by the ENGINEER. The request shall state the percentage of the work actually completed as of the report date.

1.08 PROJECT EXECUTION AND CONTROL REPORTING

- A. All change proposals shall be submitted to the ENGINEER using the "Contract Change proposal" form to be provided by the ENGINEER.
- B. Each week the CONTRACTOR shall submit to the ENGINEER weekly construction report.

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 30 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. Status of O&M manuals submittal.

1.02 CONTRACTOR'S RESPONSIBILITY

- A. It is the duty of the CONTRACTOR to check all drawings, data and samples prepared by or for him before submitting them to the ENGINEER for review. Each and every copy of the Drawings and data shall bear CONTRACTOR'S stamp showing that they have been so checked. Shop drawings submitted to the ENGINEER without the CONTRACTOR'S stamp or evidence that the CONTRACTOR has not performed the required review will be returned to the CONTRACTOR for conformance with this requirement. Shop drawings shall indicate any deviations in the submittal from requirements of the Contract Documents.

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- 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. 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 shop drawing, project data, or a sample returned for correction until a revision or correction thereof has been reviewed and returned to him by the ENGINEER marked no exceptions taken or make corrections noted.
 - E. The CONTRACTOR shall submit to the ENGINEER all drawings and schedules sufficiently in advance of construction requirements to provide no less than 45 calendar days for checking and appropriate action from the time the ENGINEER receives them.
 - F. The CONTRACTOR shall submit seven copies of shop drawings and descriptive or product data submittals to the ENGINEER for his use. The CONTRACTOR shall submit extra sets as required for his subcontractors, his suppliers, and his own use. The ENGINEER will review the blueprints and return three copies of the marked-up submittal with appropriate review comments.
 - 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.

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;
 - 3. as approving departures from details furnished by the ENGINEER, except as otherwise provided herein.
- C. 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.

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- D. 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.
 - E. 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.
 - F. No partial submittals will be reviewed. Submittals not complete will be returned to the CONTRACTOR, and will be considered "NOT APPROVED" until resubmitted.

1.04 PROCEDURE

- A. Submittal of Shop Drawings shall be made to the ENGINEER'S office in a sealed envelope, addressed with sufficient postage for sending by first class priority mail to: Shows, Dearman, and Waits, Inc., 301 2nd Avenue, Hattiesburg, MS 39401,
- B. A "Contractor's Transmittal" form shall accompany each submission. If data for more than one Section of the Specifications is submitted, a separate transmittal form shall accompany the data submitted for each Section.
- C. All transmittal forms shall be sent to Shows, Dearman, and Waits, Inc, Inc. in duplicate.
- D. At the beginning of each letter of transmittal and each letter of inquiry, a reference heading indicating the following shall be provided.
 - 1. Owner's Name _____
 - 2. Project Name _____
 - 3. Project No. _____
 - 4. Transmittal No. _____
 - 5. Section No. _____
- E. If Shop Drawing submittals show variation from the requirements of the Contract Documents, the CONTRACTOR shall make specific mention of such variation in his letter of transmittal.
- F. All shop Drawings submitted for approval shall have a title block with complete identifying information satisfactory to ENGINEER.
- G. All Shop Drawings submitted shall bear the stamp of approval and signature of the CONTRACTOR as evidence that they have been reviewed by the CONTRACTOR.

Submittals without this stamp of approval will not be reviewed by the ENGINEER and will be returned to the CONTRACTOR. The stamp shall contain the following minimum information:

Project Name: _____
CONTRACTOR'S NAME: _____
Date: _____
..... Reference.....
Item: _____
Specifications: _____
Section: _____
Page No.: _____
Para. No.: _____
Drawing No.: _____ of _____
Location: _____
Submittal No.: _____
Approved by: _____

- H. A submittal number shall be assigned to each submittal by the CONTRACTOR as follows:

XXX XX
Project No. Consecutive Ref. No. Review No.

Consecutive Reference No. - shall be a consecutive number of the submittals by the CONTRACTOR. For example, the first submittal shall be 001 and the one hundred and tenth shall be 110.

Review No. - is the number of times the submittal has been submitted for review, i.e., the first time is -01.

Example: The first submittal from the CONTRACTOR shall be 1273-001-01

- I. The CONTRACTOR shall initially submit to the ENGINEER a minimum of seven copies of all submittals. CONTRACTOR shall restrict his submittals to the following sizes only:
1. 8-1/2-inch by 11-inch.
 2. 8-1/2-inch by 14-inch.
 3. 24-inch by 36-inch.

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- J. After the ENGINEER completes his review, the Shop Drawings will be marked with one of the following notations:
1. Approved.
 2. Approved as Noted.
 3. Approved as Noted-Resubmit.
 4. Not Approved.
 5. Comments Attached - Resubmit.
 6. Submit Specified Item.
- K. If a submittal is acceptable, it will be marked "Approved" or "Approved as Noted". Three copies of the submittal will be returned to the CONTRACTOR.
- L. Upon return of a submittal marked "Approved" or "Approved as Noted", the CONTRACTOR may order, ship or fabricate the materials included on the submittal, provided it is in accordance with the corrections indicated.
- M. If a Shop Drawing is marked "Approved as 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 "Approved as Noted-Resubmit".
- N. If a submittal is unacceptable, two copies will be returned to the CONTRACTOR with one of the following notations:
1. "Not Approved"
 2. "Comments Attached - Resubmit"
 3. "Submit Specified Item"
- O. Upon return of a submittal marked "Comments Attached - Resubmit", the CONTRACTOR shall make the corrections indicated and repeat the initial approval procedure. The "Not Approved" 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.
- P. 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.
- Q. Shop Drawings or other submittals not bearing the ENGINEER'S "Approved", "Approved as Noted" or "Comments Attached - Resubmit" 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.
- R. 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.

1.05 SHOP DRAWINGS

- A. Shop Drawings shall be submitted well in advance of the need for the material or equipment for construction and with ample allowance for time required to make delivery of material or equipment after data covering such is approved. The CONTRACTOR shall assume the risk for all materials or equipment which are fabricated or delivered prior to the approval of Shop Drawings. No materials or equipment shall be incorporated into the Work nor will such be included in periodic progress payments until approval thereof has been obtained in the specified manner.
- B. The ENGINEER will review and process all submittals promptly, but a reasonable time should be allowed for this, for the Shop Drawings being revised and resubmitted, and for time required to return the approved Shop Drawings to the CONTRACTOR. The CONTRACTOR should allow a minimum of 45 days for each submittal review and/or response in preparation of his construction schedules. A minimum of two submittals should be anticipated for major products and equipment items.
- C. It is the CONTRACTOR'S responsibility to review submittals made by his suppliers and subcontractors before transmitting them to the ENGINEER to assure proper coordination of the Work and to determine that each submittal is in accordance with his desires and that there is sufficient information about materials and equipment for the ENGINEER to determine compliance with the Drawings and Specifications. Incomplete or inadequate submittals will be returned for revision without review.
- D. Approval of Shop Drawings shall not relieve the CONTRACTOR from the responsibility of furnishing materials and equipment of proper dimension, size, quality, quantity, and all performance characteristics to efficiently perform the requirements and intent of the Contract Documents. The CONTRACTOR is responsible for dimensions which shall be confirmed and correlated at the job site. The CONTRACTOR is also responsible for information that pertains solely to the fabrication process or to the technique of construction and for the coordination of the Work of all trades.
- 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 year.

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- H. Only the ENGINEER will utilize the color "red" in marking Shop Drawing submittals.
 - I. Before final payment is made, the CONTRACTOR shall include in O&M manuals, separate for items without O&M manuals, five 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.

1.06 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 30 calendar days (unless otherwise specified by the ENGINEER) in advance of their being required for work.
- C. Working drawings shall be signed by a registered Professional Engineer, currently licensed to practice in the State of Mississippi. The ENGINEER will not review working drawings but shall use them as information to monitor the work performed by the CONTRACTOR.

1.07 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. Full range of color, texture and pattern.
- C. Each sample shall have a label indicating:
 - 1. Name of Project.
 - 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.)
- D. The CONTRACTOR shall prepare a transmittal letter in duplicate for each shipment of samples containing the information required in subparagraph 1.07B 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.

- E. 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 01380

CONSTRUCTION PHOTOGRAPHS

PART 1 - GENERAL

1.01 REQUIREMENTS INCLUDED

CONTRACTOR shall take construction record photographs monthly during course of the Work.

1.02 PHOTOGRAPHY REQUIRED

- A. Provide three digital photographs each month of each major portion of the work. These photographs shall be submitted on a properly labeled CD, documenting project name, number, and date.
- B. Provide one print of each photograph.
- C. As an alternative to hand-held photos, color aerial photographs showing site work construction will be acceptable. Two copies of each view will be submitted.

1.03 COSTS OF PHOTOGRAPHY

CONTRACTOR shall pay costs for specified prints and CDs. Additional photography or prints requested will be paid by the requesting agency.

PART 2 - PRODUCTS

2.01 PRINTS

- A. Color:
 - 1. Paper: Single weight, white base.
 - 2. Finish: Smooth surface, glossy.
 - 3. Size: 3 inches x 5 inches.
- B. Identify each print on back, listing:
 - 1. Name of Project.
 - 2. Facility Location.
 - 3. Orientation of view.
 - 4. Date and time of exposure.
 - 5. Identification of exposure.

PART 3 - EXECUTION

3.01 TECHNIQUE FOR STILL PHOTOGRAPHS

- A. Factual presentation.
- B. Correct exposure and focus.
 - 1. High resolution and sharpness.
 - 2. Maximum depth-of-field.
 - 3. Minimum distortion.

3.02 VIEWS REQUIRED FOR STILL PHOTOGRAPHS

- A. CONTRACTOR shall photograph from locations to adequately illustrate condition of construction and state of progress. Consult with ENGINEER at each period of photography for instructions concerning views required.
- B. In addition, the CONTRACTOR shall photograph the sites of each major portion of the work prior to the beginning of work at each site. Views shall be as required by the ENGINEER. In addition, the same sites shall be photographed utilizing the same views at the completion of construction.
- C. The CONTRACTOR shall also inspect and photograph any structure within 100 feet of each construction site prior to beginning of work. Photographs of any existing damaged areas shall be taken.

3.03 DELIVERY OF PRINTS

- A. Preconstruction photographs shall be delivered to the ENGINEER prior to the beginning of construction.
- B. Deliver progress prints to ENGINEER to accompany each Application for Payment.

END OF SECTION

SECTION 01600

MATERIAL AND EQUIPMENT

PART 1 - GENERAL

1.01 TRANSPORTATION

- A. The CONTRACTOR shall make all arrangements for transportation of equipment and materials required for prosecution and completion.
- B. Shipments of materials to the CONTRACTOR or Subcontractors shall be delivered to the site only during regular working hours. Shipments shall be addressed and consigned to the proper party giving name of project, street address, and city. Shipments shall not be delivered to the OWNER except where otherwise directed.
- C. If necessary to move stored materials and equipment during construction, the CONTRACTOR shall move or cause to be moved materials and equipment without any additional compensation.

1.02 DELIVERY

- A. The CONTRACTOR shall arrange deliveries of products in accordance with construction schedules and in ample time to facilitate inspection prior to installation.
- B. The CONTRACTOR shall coordinate deliveries to avoid conflict with the Work and conditions at the site and to accommodate the following:
 - 1. Work of other contractors or the OWNER.
 - 2. Limitations of storage space.
 - 3. Availability of equipment and personnel for handling products.
 - 4. OWNER'S use of premises.
- C. The CONTRACTOR will not have products delivered to the project site until related Shop Drawings have been approved by the ENGINEER.
- D. The CONTRACTOR will not have products delivered to the project site until required storage facilities have been provided.
- E. The CONTRACTOR shall have products delivered to the project site in the manufacturer's original, unopened, labeled containers.
- F. The CONTRACTOR shall inspect the shipment immediately on delivery to assure:
 - 1. Product complies with requirements of Contract Documents and reviewed submittals.
 - 2. Quantities are correct.
 - 3. Containers and packages are intact and labels are legible.
 - 4. Products are properly protected and undamaged.

1.03 PRODUCT HANDLING

- A. The CONTRACTOR shall provide equipment and personnel necessary to handle the products, including those provided by the OWNER, using methods to prevent soiling or damage to the products or packaging.
- B. The CONTRACTOR shall provide additional protection during handling as necessary to prevent scraping, marring or otherwise damaging the products or the surrounding surfaces.
- C. The CONTRACTOR shall handle the products by methods that prevent bending or overstressing.
- D. The CONTRACTOR shall lift heavy components only at designated lifting points.
- E. The CONTRACTOR shall, at all times, handle the materials in a safe manner and as recommended by the supplier so that no damage occurs to them. Do not drop, roll, or skid products off delivery vehicles. Hand carry or use suitable materials handling equipment.

1.04 STORAGE OF MATERIALS

- A. The CONTRACTOR shall store and protect materials in accordance with the manufacturer's recommendations and requirements of the Specifications.
- B. The CONTRACTOR shall make all arrangements and provisions necessary for the storage of materials and equipment. All excavated materials, construction equipment, and materials and equipment to be incorporated into the Work shall be placed so as not to injure any part of the Work or existing facilities and so that free access can be had at all times to all parts of the Work and to all public utility installations in the vicinity of the Work. Materials and equipment shall be kept neatly and compactly stored in locations that will cause a minimum of inconvenience to other contractors, public travel, adjoining owners, tenants, and occupants. Arrange storage in a manner to provide easy access for inspection.
- C. The area available on the construction site for storage of material and equipment shall be as shown or approved by the ENGINEER.
- D. Materials that are to become the property of the OWNER shall be stored to facilitate their inspection and insure preservation of the quality and fitness of the Work, including proper protection against damage by freezing and moisture. They shall be placed in inside storage areas unless otherwise acceptable to the OWNER.
- E. Lawns, grass plots or other private property shall not be used for storage purposes without written permission of the OWNER or other person in possession or control of such premises.
- F. The CONTRACTOR shall be fully responsible for loss or damage to stored materials.

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- G. The CONTRACTOR will not open manufacturer's containers until the time of installation unless recommended by the manufacturer or otherwise specified.

1.05 MAINTENANCE OF STORAGE

The CONTRACTOR shall maintain a periodic system of inspection of stored products on a scheduled basis to assure that:

- A. The state of storage facilities is adequate to provide required conditions.
- B. The required environmental conditions are maintained on a continuing basis.
- C. The products exposed to the elements are not adversely affected.

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 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 the Contract, the ENGINEER will consider written requests from CONTRACTOR for substitution of products or construction methods (if specified). After the end of the specified period, requests will be considered only in the case of unavailability of products or other conditions beyond the control of the CONTRACTOR.
- B. Requests for review of a substitution shall conform to the requirements of of the General Conditions, and shall contain complete data substantiating compliance of proposed substitution with the Contract Documents.
- C. In making a request for a substitution, CONTRACTOR represents that:
 - 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 the proposed substitution as provided for the 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 the 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 the 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. The 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 01656

DISINFECTION OF POTABLE WATER PIPING

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Scope: CONTRACTOR shall furnish all labor, materials, equipment, appurtenances and services required to clean, flush and disinfect piping which is designated to carry water.
- B. Related Work Specified Elsewhere:
 - 1. Section 01710.
 - 2. Division 15, Mechanical (Piping Sections).

1.02 QUALITY ASSURANCE

Reference Standards: Comply with applicable provisions and recommendations of the following, AWWA C651, Disinfecting Water Mains, unless otherwise shown or specified.

1.03 SUBMITTALS

Shop Drawings: Submit for approval the following:

Disinfection procedures, methods, coordination and schedules.

1.04 JOB CONDITIONS

- A. CONTRACTOR shall coordinate disinfection of the clearwells and service pump wetwells with disinfection of the service pumps, use of temporary pumps for initial start-up and operation of the plant and necessary disposal of treated water following start-up to assure proper water quality.
- B. CONTRACTOR shall repeat the disinfection procedure as necessary due to start-up operations.

PART 2 - PRODUCTS

2.01 DISINFECTANT

Liquid chlorine, sodium hypochlorite, or calcium hypochlorite may be used as described in AWWA C653.

PART 3 - EXECUTION

3.01 GENERAL

- A. Disinfection work shall be completed and the facility satisfactorily tested for bacteria in accordance with Standard Methods for Examination of Water and Wastewater before it may be placed in service. Two or more samples shall be taken from each unit or facility not less than 30 minutes apart and shall be tested for the presence of coliform.
- B. Samples for bacteriological tests will be taken by a certified water plant operator of the OWNER and analyzed by the Mississippi State Department of Health. Complete disinfection shall be defined as no confluent growth for samples taken on two consecutive days. These samples shall indicate complete disinfection before the facilities will be accepted.
- C. CONTRACTOR shall repeat the disinfection procedure until the test results indicate complete disinfection.
- D. CONTRACTOR shall provide all disinfectant and water required for disinfection at his own expense.

3.02 CLEANING

Conform to AWWA C653; however, all surfaces including the ceiling shall be cleaned.

3.03 CHLORINATION PROCEDURE FOR PIPING

- A. Disinfection:
 - 1. Completely clean interior of all piping and flush piping prior to disinfection with water at a minimum velocity of 2-1/2 feet per second.
 - 2. Conform to procedures described in AWWA C651 unless otherwise approved by ENGINEER.
 - 3. Water for flushing, testing and chlorination shall be furnished and paid for by the CONTRACTOR. The CONTRACTOR shall provide all temporary piping, hose, valves, appurtenances, and services required.
 - 4. Chlorine concentration in the water entering the piping shall be between 50 and 100 parts per million, such that a minimum residual concentration of 25 mg/l will be left after a 24-hour retention period. The operation shall be repeated as necessary to provide complete disinfection.
 - 5. Other methods described in AWWA C651 may be used after approval by ENGINEER.
- B. A permit from the Mississippi Department of Environmental Quality, Office of Pollution Control, must be obtained if an alternate disinfection procedure is to be used which would require the discharge of chlorinated water to a receiving stream.

C. **CONTRACTOR shall:**

1. Provide all temporary taps, plugs, valves, drains, pumps, piping and connections required to clean, flush, disinfect and remove the disinfectant.
2. Perform disinfection of each facility immediately before the facility is placed in operation, and insure that the facility is not contaminated after being acceptably disinfected.
3. Provide and apply reducing agent to thoroughly neutralize the chlorine residual from all water removed and disposed of during the disinfection procedure.

END OF SECTION

SECTION 01665

EQUIPMENT TESTING AND STARTUP

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. Provide a competent field services technician of the manufacturers of all equipment furnished under Divisions 11 - Equipment, 13 - Special Construction, 15 - Mechanical and 16 - Electrical to supervise installation, adjustment, initial operation and testing, performance testing, final acceptance testing and startup of the equipment.
- B. Perform specified equipment field performance tests, final acceptance tests and startup services.

1.02 RELATED WORK

- A. Operation and Maintenance Data is included in Section 01730.
- B. Performance and acceptance testing and startup requirements are included in the respective sections of Divisions 11, 13, 15 and 16.

1.03 SUBMITTALS

- A. Submit name, address and resume of proposed field services technicians at least 30 days in advance of the need for such services.
- B. Submit to ENGINEER and OWNER for review in accordance with Section 01340 detailed testing procedures for shop tests, field performance tests and final acceptance tests as specified in the various equipment specification sections. Test procedures shall be submitted at least 30 days in advance of the proposed test dates and shall include at least the following information:
 - 1. Name of equipment to be tested, including reference to specifications section number and title.
 - 2. Testing schedule of proposed dates and times for testing.
 - 3. Summary of power, lighting, chemical, water, sludge, gas, etc., needs and identification of who will provide them.
 - 4. Outline specific assignment of the responsibilities of the CONTRACTOR and manufacturers' factory representatives or field service personnel.
 - 5. Detailed description of step-by-step testing requirements, with reference to appropriate standardized testing procedures and laboratory analyses by established technical organizations (e.g., ASTM, WEF Standard Methods, etc).
 - 6. Samples of forms to be used to collect and record test data and to present tabulated test results.

-
- C. Submit in accordance with Section 01340 copies of test reports upon completion of specified shop, performance and acceptance tests. Test reports shall incorporate the information provided in the test procedures submittals, modified to reflect actual conduct of the tests and the following additional information:
 - 1. Copy of all test data sheets and results of lab analyses.
 - 2. Summary comparison of specified test and performance requirements versus actual test results.
 - 3. Should actual test results fail to meet specified test and performance requirements, describe action to be taken prior to re-testing equipment.
 - D. Submit in accordance with Section 01340 copies of the manufacturer's field service technician's report summarizing the results of his/her initial inspection, operation, adjustment and pre-tests. The report shall include detailed descriptions and tabulations of the points inspected, tests and adjustments made, quantitative results obtained, suggestions for precautions to be taken to ensure proper maintenance, and the equipment supplier's Certificate of Installation in the format specified hereinafter.

1.04 QUALITY ASSURANCE

- A. Field service technicians shall be competent and experienced in the proper installation, adjustment, operation, testing and startup of the equipment and systems being installed.
- B. Manufacturers' sales and marketing personnel will not be accepted as field service technicians.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.01 PRELIMINARY REQUIREMENTS

- A. After installation of the equipment has been completed and the equipment is presumably ready for operation, before it is operated by others, the manufacturer's field service technician shall inspect, operate, test and adjust the equipment. The inspection shall include at least the following points where applicable:
 - 1. Soundness (without cracks or otherwise damaged parts).
 - 2. Completeness in all details, as specified and required.
 - 3. Correctness of setting, alignment and relative arrangement of various parts.
 - 4. Adequacy and correctness of packing, sealing and lubricants.
- B. The operation, testing and adjustment shall be as required to prove that the equipment has been left in proper condition for satisfactory operation under the conditions specified.
- C. Upon completion of this work, the manufacturer's field service technician shall submit a signed report of the results of his/her inspection, operation, adjustments and tests.

3.02 WITNESS REQUIREMENTS

- A. Shop tests or factory tests may be witnessed by the OWNER and/or OWNER'S representatives, as required by the various equipment specifications.
- B. Field performance and acceptance tests shall be performed in the presence of the OWNER, the OWNER'S designed personnel and/or OWNER'S representatives.

3.03 STARTUP AND ACCEPTANCE OF THE TREATMENT PLANT AND RELATED SYSTEMS

A. General Requirements

- 1. Successfully execute the step-by-step procedure of startup and performance demonstration specified hereinafter.
- 2. The startup and performance demonstration shall be successfully executed prior to Substantial Completion and acceptance by the OWNER of the treatment plant and its related systems.
- 3. All performance tests and inspections shall be scheduled at least five working days in advance or as otherwise specified with the OWNER and the ENGINEER. All performance tests and inspections shall be conducted during the work week of Monday through Friday, unless otherwise specified.

B. Preparation for Startup

- 1. Upon completion of the treatment facilities and all its related systems, all channels, basins and tanks shall be flushed with potable water and hydraulically checked for leaks, cracks, and defects in accordance with Section 01680, Watertightness Test for Hydraulic Structures.
- 2. All mechanical and electrical equipment shall be checked to insure that it is in good working order and properly connected. Preliminary run-ins of the various pumps, compressors, and other equipment shall be made. All systems shall be cleaned and purged as required. All sumps, tanks, basins, chambers, pump wells and pipelines which are hydraulically checked shall be drained and returned to their original condition once the water testing is complete.
- 3. All instruments and controls shall be calibrated through their full range. All other adjustments required for proper operation of all instrumentation and control equipment shall be made.
- 4. Perform all other tasks needed for preparing and conditioning the treatment facilities for proper operation.
- 5. No testing or equipment operation shall take place until the CONTRACTOR verifies for the ENGINEER that all specified equipment has been installed and is in good working order.
- 6. No testing or equipment operation shall take place until it has been verified by the ENGINEER that all lubricants, tools, maintenance equipment, spare parts and approved equipment operation and maintenance manuals have been furnished as specified.

EQUIPMENT SUPPLIER'S CERTIFICATE OF INSTALLATION

Owner _____

Project _____

Contract No. _____

EQUIPMENT SPECIFICATION SECTION _____

EQUIPMENT DESCRIPTION _____

I, _____, Authorized representative of _____
(Print Name)

(Print Manufacturer's Name)

hereby CERTIFY that _____
(Print equipment name and model with serial no.)

installed for the subject project has (have) been installed in a satisfactory manner, has (have) been tested and adjusted, and is (are) ready for final acceptance testing and operation on :

Date _____

Time _____

CERTIFIED BY: _____
(Signature of Manufacturer's Representative)

Date: _____

END OF SECTION

SECTION 01666

TESTING OF PIPELINES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Scope:
Furnish all labor, materials, tools, equipment and related items required to perform infiltration/exfiltration testing and deflection testing of gravity pipelines and to perform pressure and leakage testing of pressure pipelines.
- B. Related Work:
1. Section 02616, Buried Ductile Iron Pipe and Fittings.
 2. Section 02622, Polyvinyl Chloride (PVC) Pipe.
 3. Section 15052, Buried Piping Installation.

1.02 REFERENCE STANDARDS

American Society for Testing Materials (ASTM)

1. ASTM C-828 - Low Pressure Air Test of Vitrified Clay Pipe Lines
2. ASTM C-924 - Testing Concrete Pipe Sewer Lines by Low Pressure Air Test Method
3. ASTM C-969 - Infiltration and Exfiltration Acceptance Testing of Installed Precast Concrete Sewer Lines
4. ASTM C-1103 - Joint Acceptance Testing of Installed Precast Concrete Pipe Sewers
5. ASTM F-1417 - Installation Acceptance of Plastic Gravity Sewer Lines Using Low Pressure Air

PART 2 - PRODUCTS

2.01 TEST FLUIDS

- A. Hydrostatic Test - Water should be used as the test fluid whenever possible. In those systems where water cannot be used the test fluid may be either the one to be used in the system or the one agreed upon by the ENGINEER and the CONTRACTOR.
- B. Pneumatic Test - Compressed air shall normally be used. Other gases may be used when specified by the ENGINEER. Test pressures shall be 120% of the anticipated maximum operating pressure, but not exceeding 100 psig, and not less than 5 psig at the highest point in the system, unless otherwise approved by the ENGINEER.

-
- C. Gravity Exfiltration Test - Water should be used as the test fluid whenever possible. In those systems where water cannot be used the test fluid may be either the one to be used in the system or the one agreed upon by the ENGINEER and the CONTRACTOR.

2.02 TEST EQUIPMENT

A. Hydrostatic Test

1. Water of sufficient capacity shall be provided to deliver the required test pressure.
2. Valves shall be provided on the suction and discharge side of the pump.
3. Heater shall be provided to allow heating of the test fluid when elevated temperatures are required for test.
4. Hydraulic force pump, approved by the ENGINEER, shall be provided. Suitable hose and suction pipe required. Strainer shall be provided on suction side of pump.
5. Relief Valve - Set at a pressure to relieve at 20 to 25% above the required test pressure.
6. Pressure Gauge(s) - Capable of reaching 50% over the test pressure. These should be located at the pump discharge and any other place deemed convenient by the CONTRACTOR.
7. Pressure gauges and relief valves shall be checked for accuracy before use in test procedures.

B. Pneumatic Test

1. CONTRACTOR shall provide a compressor capable of the required test pressure.
2. Valves shall be provided on the discharge side of the compressor.
3. Relief valve shall be provided to relieve at 10 to 15% over the test pressure.
4. Pressure gauge(s) capable of reaching 50% over the test pressure shall be provided. A gauge shall be located on the compressor discharge and other location as required.

C. Gravity Exfiltration Test

Water of sufficient capacity to perform 24-hr test.

PART 3 - EXECUTION

3.01 GENERAL

- A. The entire length of the installed gravity lines and the pressure lines shall be field tested for water tightness.
- B. Hydrostatic pressure and leakage tests shall be made on all pressure pipelines carrying wastewater or water.

-
- C. All labor and equipment, including test pump with regulated by-pass meters and gauges required for conducting pipeline tests, shall be furnished by the CONTRACTOR. The CONTRACTOR shall furnish equipment and necessary piping as required to transport water used in testing from source to test location.
 - D. Time and sequence of testing shall be scheduled by the CONTRACTOR, subject to observation and approval by the OWNER. The CONTRACTOR shall provide adequate labor, tools and equipment to operate valves and to locate and repair any leaks discovered during the initial filling of the pipeline prior to actual testing or during the course of the tests.

3.02 TEST PROCEDURES FOR GRAVITY PIPELINES

- A. All gravity flow ductile iron pipe, concrete pressure pipe, PVC pipe, and reinforced concrete sewer pipe shall be installed and backfilled and then tested using either Infiltration or Exfiltration Water Testing or Low Pressure Air Testing and deflection tested using an Allowable Deflection Test (for flexible piping).
- B. For construction within the 25-year floodplain, the Infiltration/Exfiltration shall not exceed 10 gallons per inch diameter per mile of pipe per 24 hours at the minimum test head.
 - 1. Exfiltration Water Testing
 - a. The section of pipe to be tested shall be filled with water and allowed to stand for such time as is required for the pipeline to adsorb such water as it will and for the escape of all air from the line. The sections undergoing test shall be carefully examined for leakage. All known leaks shall be repaired, regardless of these test requirements.
 - b. The line shall then be filled to a reference level in a manhole or in a reservoir of sufficient capacity to allow for a reference level to be established. The reservoir must be of sufficient capacity to not allow the water level to drop below the crown of the pipe during the 24-hour test period. If the water level drops below the crown of the pipe, the test shall be voided and run again or until such time the water level is maintained above the crown throughout the duration of the test.
 - c. At the end of a 24-hour period, water, if needed, shall be added to the line to bring the water level back to the referenced line. All water added shall be accurately measured by an approved water meter so that an exfiltration rate can be established.
 - d. Leakage during the above test shall not exceed a rate equal to 25 gallons per inch of internal diameter per mile per 24 hours.
 - e. All observed leaks shall be repaired regardless of the measured leakage rate.
 - 2. Infiltration Water Testing
 - a. When gravity sewers are installed below the groundwater level an Infiltration Test shall be used in lieu of the Exfiltration Test.
 - b. The total infiltration, as determined by a hydrostatic head test shall not exceed 25 gallons per inch diameter per mile of pipe per 24 hours

at a minimum test head of two feet above the crown of the pipe at the upstream manhole, or at least two feet above the existing groundwater level, whichever is greater.

3. Low Pressure Air Testing

- a. This test shall conform to the procedure described in ASTM C828, ASTM C924, C-1103, F-1417 or other appropriate procedures. Air testing of sections of pipe shall be limited to lines less than 36-inch average inside diameter. Lines 36-inch average inside diameter and larger shall be air tested at each joint per ASTM C-1103. The minimum time allowable for the pressure to drop from 3.5 pounds per square inch gauge to 2.5 pounds per square inch gauge during joint test, regardless of pipe size, shall be 20 seconds. For sections of pipe less than 36-inch average inside diameter, the minimum time allowable for the pressure to drop from 3.5 pounds per square inch gauge to 2.5 pounds per square inch gauge shall be computed by the following equation:

$$T = 0.085 (D) (K) / (Q)$$

Where T = time for pressure to drop 1.0 pound per square inch gauge in seconds

K = 0.000419DL, but not less than 1.0

D = average inside diameter in inches

L = length of line of same pipe size being tested in feet

Q = rate of loss, assume 0.0015 ft³/min/sq.ft. internal surface

All observed leaks shall be repaired regardless of the air test results.

4. Allowable Deflection Test

- a. Pipe deflection testing shall be conducted on all gravity pipes constructed of flexible materials.
- b. Pipe deflection measured not less than ninety (90) days after the backfill has been completed as specified shall not exceed five (5.0) percent. Deflection shall be computed by multiplying the amount of deflection (nominal diameter less minimum diameter when measured) by 100 and dividing by the nominal diameter of the pipe.
- c. Deflection shall be measured with a rigid mandrel (Go/No-Go) device cylindrical in shape and constructed with a minimum of nine evenly shaped arms or prongs. Drawings of the mandrel with complete dimensions shall be submitted to the ENGINEER for each diameter of pipe to be tested. The mandrel shall be hand pulled by the CONTRACTOR through all sewer lines.
- d. Any section of sewer not passing the mandrel shall be uncovered at the CONTRACTOR'S expense and the bedding and backfill replaced to prevent excessive deflection. Repaired pipe shall be retested

and/or replaced by the CONTRACTOR at no additional cost to the OWNER.

3.03 TEST PROCEDURES FOR PRESSURE PIPELINES

A. General

1. After the pipe has been laid and backfilled and the backfill has been otherwise consolidated, all newly laid pipe, or any valved section thereof, shall be subjected to the hydrostatic pressure specified below for that particular type of pipe. The duration of each pressure test shall be at least two hours and each leakage test at least four hours, unless otherwise specified or noted on the Drawings. All meters, fixtures, devices or appliances which are connected to the pipeline system and which might be damaged if subjected to the specified test pressure shall be disconnected and the ends of the branch lines plugged or capped during the testing procedures.
2. Each valved (capped or plugged) section of pipe shall be filled slowly with water and all air shall be expelled. If permanent air vents are not located at all high points, the CONTRACTOR shall install corporation or blow-off cocks at such points so that air can be expelled as filling takes place. After verification that all air has been expelled, the cocks shall be closed and the pipe kept filled until tested. All exposed pipe, fittings, valves, hydrants and joints shall be examined while under test pressure and all visible leaks shall be stopped. Any cracked or defective pipe, fittings, valves or hydrants discovered during testing shall be removed and replaced by the CONTRACTOR. Replacement shall be with sound material and the test shall be repeated until satisfactory to the OWNER.

B. Special Requirements

Where any section of pipeline is provided with concrete thrust blocking, the hydrostatic pressure test shall not be made until at least 5 days have elapsed after installation of the blocking. However, if high-early-strength cement is used in the concrete, 2 days shall elapse prior to testing.

C. Hydrostatic Tests

After compliance with all applicable procedures described above, pressure of 150% of the pipe's design operating pressure shall be applied. This pressure, based on the lowest point of the line or section under test, shall be corrected to the relative elevation of the test gauge and the pressure maintained for a period of not less than two hours. The CONTRACTOR shall submit pipe testing schedule to Engineer prior to testing. The ENGINEER shall be contacted for design and test pressures of pressure pipelines.

D. Leakage Tests

1. Leakage shall be defined as the quantity of water that must be supplied into the newly laid pipe, or any valved section thereof, to maintain the specified

leakage test pressure after the air in the pipeline has been expelled and the pipe has been filled with water.

2. Leakage shall be determined by recording the measured quantity of water pumped into the pipeline to maintain a pressure within 5 psi of the specified test pressure. Leakage test shall be performed for a minimum of four hours. Leakage rate shall be calculated by extrapolation of the total leakage during the testing period to a 2-hour period. Leakage test pressure shall be 50% above normal operating pressure of the pipeline.
3. Allowable leakage for the types of pipe used shall be as follows:

Cast Iron, Ductile Iron and PVC. Allowable as permitted by AWWA Standard C-600, "Installation of Gray and Ductile Cast-Iron Water Mains and Appurtenances", which is not to exceed that determined by the formula:

$$(i) \quad L = (SD \sqrt{P}) / 148,000$$

where L is the allowable leakage in gallons per hour, S is the length of pipeline tested in feet, D is the nominal diameter of the pipe in inches, and P is the average test pressure during the leakage tests in pounds per square inch gauge.

4. In the event any section of the line tested fails to meet the above specified requirements for water tightness, the cause of the excessive leakage shall be determined and remedied at the expense of the CONTRACTOR, including retesting if required.

E. Pneumatic Tests

1. Pneumatic testing of piping systems shall be used when directed by the ENGINEER when water, or other liquid, cannot be introduced into the line, or as a supplement to a hydrostatic test.
2. Pneumatic testing shall be performed using accurately calibrated instruments and oil-free, dry air. Tests shall be performed only after the piping has been completely installed, including supports, hangers, anchors and inspected for proper installation. All parts of the system shall be subject to the test pressure specified. The CONTRACTOR shall take all precautions to protect test personnel. All piping to be tested shall be secured to prevent damage to adjacent piping and equipment in the event of a pipe or joint failure. The CONTRACTOR shall notify the ENGINEER prior to starting the test.
3. A preliminary pneumatic test not to exceed 25 psig shall be applied to the piping system prior to final leak testing, as a means of locating major leaks. Examination for leakage, detected by soap bubbles, shall be made at all joints and connections. After all visible leaks have been corrected, the pressure in the system shall be increase in steps of approximately 1/10 of the test pressure until the required test pressure has been reached. The test pressure shall be continuously maintained for a minimum time of 10 minutes (no drop in pressure over this time) and for such additional time as may be necessary to conduct a soap bubble examination for leakage. The piping system, exclusive of possible localized instances at pump or valve packing, shall

show no evidence of leakage. Any visible leakage shall be corrected at no additional cost to the OWNER.

3.04 FINAL ACCEPTANCE

- A. No pipe installation will be accepted until all known leaks have been repaired whether or not leakage is within allowable limits. Locating and repairing of leaks shall be performed by the CONTRACTOR at no additional cost to the OWNER.
- B. The OWNER's representative will certify that all required pressure and leakage tests have been successfully completed before the pipeline is accepted.

3.05 CLEANING

At the conclusion of the work, thoroughly clean all pipelines by flushing with water or other means to remove all dirt, stones, pieces of wood, or other material that may have entered the pipes during the construction period. Debris cleaned from the lines shall be removed from the low end of the pipeline. If, after this cleaning, obstructions remain, they shall be removed in an approved manner. After the pipelines are cleaned and if the groundwater level is above the pipe or following a heavy rain, the ENGINEER will examine the pipes for leaks. If any defective pipes or joints are discovered, they shall be repaired.

END OF SECTION

SECTION 01680

WATERTIGHTNESS TEST FOR HYDRAULIC STRUCTURES

PART 1 - GENERAL

1.01 SCOPE OF WORK

Furnish all labor, materials, and incidentals required and perform tightness testing of water-containing structures as listed herein and all retesting until the structures meet the requirements as specified herein.

1.02 RELATED WORK

- A. Section 03500 – Filter Lining System.

1.03 SUBMITTALS

Submit the results of each watertightness test of each structure to the Engineer for review. The submittal format shall be similar to that shown in Figure A attached to end of this Section.

1.04 REFERENCE STANDARDS

- A. American Concrete Institute (ACI)
ACI 350.1R/AWWA 400 - Testing Reinforced Concrete Structures for Watertightness.
- B. Where reference is made to one of the above standards, the revision in effect at the time of bid opening shall apply.

1.05 PROJECT/SITE REQUIREMENTS

- A. Coordinate timing and procedures for obtaining testing water and structure testing with the Engineer well in advance of the actual testing.
- B. Water Source and Disposal.
 - 1. Test water shall be disposed of by the CONTRACTOR in an approved manner. Water shall not be disposed of by discharging it onto the ground surface of public or private land.
 - 2. If OWNER allows water to be disposed of by reintroduction into the plant process, the time, rate of flow, and location shall be approved by the OWNER.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.01 GENERAL

- A. The testing of reinforced concrete tanks or wastewater containment structures shall conform to the following standards and as modified herein:

Reinforced concrete water retaining structures - ACI 350.1R and as specified herein.

- B. Perform watertightness tests prior to placing backfill around structures in order to permit observation and detection of leakage points. Walls may be backfilled prior to testing only when approved in writing by the ENGINEER. The request to backfill prior to testing shall include a description of the method proposed to detect leakage points after the backfill is in place. Approval to place backfill prior to testing shall not relieve the CONTRACTOR of the responsibility for conducting watertightness tests.

3.02 EXAMINATION

Inspect the structure to be tested for potential leakage paths such as cracks, voids, etc., and repair such paths in compliance with the provisions of these specifications or as approved by the ENGINEER.

3.03 PREPARATION

- A. Thoroughly clean the structure to be tested of dirt, mud, and construction debris prior to initiating watertightness tests. The floor and sumps shall be flushed with water to provide a clean surface, ready for testing.
- B. Inlet and outlet pipes not required to be operational for the tests may be temporarily sealed or bulkheaded prior to testing.
- C. Confirm adequacy of seals around gates and valves and reset or seal as approved by the ENGINEER. Estimates of gate or valve leakage will not be allowed as adjustments to the measured tank or structure leakage.

3.04 TESTING PROCEDURES

- A. Conditions of Testing
1. Do not begin initial filling of concrete structures until all concrete elements of the structure have attained the specified 28-day compressive strength of the concrete, nor less than 14 days after all concrete walls or base slabs have been placed.
 2. Initial filling of reinforced concrete structures shall not exceed a rate of four feet in 24 hours.
 3. Fill unlined or partially lined concrete structures to the maximum operating water surface level and maintain the water at that level for at least 72 hours prior to beginning watertightness tests to minimize water absorption by the concrete during testing.

B. Testing Procedures

1. Duration of the test shall not be less than that required for a drop in the water surface of 1/2-in based on the calculated maximum allowable leakage rate, nor 3 days.
2. Loss of volume measurements shall be taken at 24-hour intervals. The loss of volume is usually determined by measuring the drop in water surface elevation and computing the change in volume of the contained water. Measure water surface elevation at not less than two locations at 180 degrees apart and preferably at four locations 90 degrees apart. Record water temperature 18-in below the water surface when taking the first and last sets of measurements.

C. Reports

1. Submit to the ENGINEER watertightness test results for each structure tested on the form shown in Figure A or a form with a similar format.
2. Notify the ENGINEER of the scheduling of tests 5 working days prior to the tests. The ENGINEER may monitor any watertightness testing performed on the structures.

3.05 ACCEPTANCE

A. The following conditions shall be considered as NOT meeting the criteria for acceptance regardless of the actual loss of water volume from the structure.

1. Groundwater leakage into the structure through floors, walls, or wall-floor joints, excluding structures with groundwater pressure relief valves.
2. Structures that exhibit flowing water from joints, cracks, or from beneath the foundation (except for underdrain systems).

B. The watertightness of new concrete tanks and structures shall be considered acceptable when loss of water volume is within the criteria listed below:

For unlined tanks with a sidewater depth of 25 feet or less, loss of volume not exceeding 0.1% in 24 hours.

C. Where portions of existing structures are modified and those structures are scheduled to be tested for watertightness, structures shall be considered acceptable if the newly modified portions satisfy the requirements of paragraph 3.05.B when tested in accordance with this Section.

3.06 REPAIRS AND RETESTING

A. Structures failing the watertightness test and not exhibiting visible leakage may be retested after an additional stabilization period of 7 days. Tanks failing this retest shall be repaired prior to further testing.

B. Repair structures that fail the watertightness test and structures showing visible leakage in compliance with the provisions of these specifications or as approved by the ENGINEER.

-
- C. Repairs and retesting of tanks shall be accomplished at no additional cost to the OWNER.

3.07 SCHEDULE

The following structure shall be tested for watertightness:

- A. Filter #1 Basin

FIGURE A
WATERTIGHTNESS TEST REPORT

PROJECT _____

SUBMITTED BY _____

STRUCTURE* _____

TEST DATES _____

Allowable loss of water volume _____ % in 24 hrs.

Measured loss of water volume _____ % in 24 hrs.

TEST READINGS

Water temperature at start _____ °F

Water temperature at end _____ °F

	<u>Date</u>	<u>Time</u>	<u>Location 1</u>	<u>Location 2</u>	<u>Location 3</u>	<u>Location 4</u>	<u>Initials</u>
1.	_____	_____	_____	_____	_____	_____	_____
2.	_____	_____	_____	_____	_____	_____	_____
3.	_____	_____	_____	_____	_____	_____	_____
4.	_____	_____	_____	_____	_____	_____	_____
5.	_____	_____	_____	_____	_____	_____	_____

Change in level _____

Average change in level _____

Correction for precipitation/evaporation _____

Corrected change in level = CL = _____

$(CL) \times (\text{surface area}) \times (100) = \text{measured percent water loss in 24 hrs.}$

$(\text{initial water volume}) \times (\text{number of test days})$

Notes and field observations**

* Attach a sketch showing a plan of the structure and measurement locations.

** Place date and initials at the beginning of each entry.

END OF SECTION

SECTION 01700

CONTRACT CLOSEOUT

PART 1 - GENERAL

1.01 SCOPE OF WORK

This Section outlines the procedure to be followed in closing out the contract.

1.02 SUBSTANTIAL COMPLETION

The substantial completion date shall be established as stated in the Agreement.

1.03 FINAL CLEANING

- A. At the completion of work and immediately prior to final inspection, cleaning of the entire project shall be accomplished according to the following provisions:
 - 1. The CONTRACTOR shall thoroughly clean, sweep, wash, and polish all work and equipment provided under the Contract, including finishes. The cleaning shall leave the structures and site in a complete and finished condition to the satisfaction of the ENGINEER.
 - 2. All Subcontractors shall similarly perform, at the same time, an equivalent thorough cleaning of all work and equipment provided under their contracts.
 - 3. The CONTRACTOR shall remove all temporary structures and all debris, including all dirt, sand, gravel, rubbish and waste material.
 - 4. Should the CONTRACTOR not remove rubbish or debris, or not clean the buildings and site as specified above, the OWNER reserves the right to have the cleaning done at the expense of the CONTRACTOR.
 - 5. The CONTRACTOR shall mow the newly planted grassed areas.
- B. Use only cleaning materials recommended by manufacturer of surface to be cleaned.
- C. Use cleaning materials only on surfaces recommended by cleaning material manufacturers.
- D. In preparation for substantial completion or occupancy, conduct final inspection of sight-exposed interior and exterior surfaces, and of concealed spaces.
- E. Remove grease, dust, dirt, stains, labels, fingerprints, and other foreign materials from sight-exposed interior and exterior finished surfaces. Polish surfaces so designated to shine finish.
- F. Repair, patch, and touch up marred surfaces to specified finish, to match adjacent surfaces.
- G. Replace air-handling filters if units were operated during construction.

-
- H. Vacuum clean all interior spaces, including inside cabinets. Broom clean paved surfaces, rake clean other surfaces of grounds.
 - I. Handle materials in a controlled manner with as few handlings as possible. Do not drop or throw materials from heights.
 - J. Schedule cleaning operations so that dust and other contaminants resulting from cleaning process will not fall on wet, newly-painted surfaces.

1.04 FINAL INSPECTION

- A. After final cleaning and restoration and upon written notice from the CONTRACTOR that the work is completed, the ENGINEER will make a preliminary inspection with the OWNER and the CONTRACTOR present. Upon completion of this preliminary inspection, the ENGINEER will notify the CONTRACTOR, in writing, of any particulars in which this inspection reveals that the work is defective or incomplete.
- B. Upon receiving written notice from the ENGINEER, the CONTRACTOR shall immediately undertake the work required to remedy deficiencies and complete the work to the satisfaction of the ENGINEER.
- C. When the CONTRACTOR has corrected or completed the items as listed in the ENGINEER'S written notice, he shall inform the ENGINEER, in writing, that the required work has been completed. Upon receipt of this notice, the ENGINEER, in the presence of the OWNER and the CONTRACTOR, will make his final inspection of the project.
- D. Should the ENGINEER find all work satisfactory at the time of his inspection, the CONTRACTOR will be allowed to make application for final payment. Should the ENGINEER still find deficiencies in the work, the ENGINEER will inform the CONTRACTOR of the deficiencies and will deny the CONTRACTOR'S request for final payment until such time as the CONTRACTOR has satisfactorily completed the required work.

1.05 FINAL SUBMITTALS

- A. No application for final payment will be accepted until all submittals have been made and approved by the ENGINEER, including, but not limited to, the following:
 - 1. Final shop drawings.
 - 2. Project Record Documents
 - 3. All interface information.
 - 4. All Operation and Maintenance Manuals.
 - 5. All required indices and schedules.
 - 6. All Manufacturers' Certificates of Proper Installation.
 - 7. All construction photographs, including those of the completed project.
 - 8. All State required submittals.
 - 9. Certificate that all outstanding debts are paid and that there are no liens on the project.

1.06 ACCESSORY ITEMS

The CONTRACTOR shall provide to the OWNER, upon acceptance of the equipment, all special accessories required to place each item of equipment in full operation. These special accessory items include, but are not limited to, the specified spare parts, adequate oil and grease as required for the first lubrication of the equipment, initial fill-up of all chemical tanks and fuel tanks, light bulbs, fuses, hydrant wrenches, valve wrenches, valve keys, handwheels, and other expendable items as required for initial start-up and operation of all equipment.

1.07 GUARANTEES, BONDS, AND AFFIDAVITS

No application for final payment will be accepted until all guarantees, bonds, certificates, licenses, and affidavits required for work or equipment as specified are satisfactorily filed with the ENGINEER.

1.08 RELEASE OF LIENS OR CLAIMS

No application for final payment will be accepted until satisfactory evidence of release of liens has been submitted to the OWNER as required by the General Conditions.

1.09 FINAL PAYMENT

Final payment will be made to the CONTRACTOR in accordance with the Agreement.

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, and other objectionable material along with the final cleanup of site(s) required for project acceptance. **DAILY CLEANUP IS REQUIRED.**

1.02 DISPOSAL REQUIREMENTS

The CONTRACTOR shall conduct cleaning and disposal operations to comply with the Office of Pollution Control and with the codes, ordinances and regulations of the city or county in which the work is being performed.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.01 DURING CONSTRUCTION

- A. The CONTRACTOR shall 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. The CONTRACTOR shall provide on-site 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 on-site containers.
- C. The CONTRACTOR shall remove waste materials, debris and rubbish from the site periodically and dispose of at legal disposal areas away from the site. Burning of waste material shall not be permitted.

3.02 FINAL CLEANING

- A. The CONTRACTOR shall remove grease, mastic, adhesives, dust, dirt, stains, fingerprints, labels, and other foreign materials from sight-exposed interior and exterior surfaces.
- B. The CONTRACTOR shall clean ground surfaces of the construction site and broom clean exterior paved surfaces.

-
- C. Prior to final completion, the CONTRACTOR shall conduct an inspection of 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. Drawings.
- B. Specifications.
- C. Addenda.
- D. Change Orders and other Modifications to the Contract.
- E. ENGINEER'S Field Orders or written instructions.
- F. Approved Shop Drawings, Working Drawings and Samples.
- G. Field Test records.
- H. Construction photographs.
- I. Latest, Approved Progress Schedule.

1.02 MAINTENANCE OF DOCUMENTS AND SAMPLES

- A. Store documents and samples in CONTRACTOR'S field office apart from documents used for construction.
 - 1. Provide files and racks for storage of documents.
 - 2. Provide locked cabinet or secure storage space for storage of samples.
- B. Maintain documents in a clean, dry, legible condition and in good order. Do not use record documents for construction purposes.
- C. Make documents and samples available at all times for inspection by the ENGINEER.
- D. As a prerequisite for monthly progress payments, the CONTRACTOR is to exhibit the currently updated "record documents" for review by the ENGINEER and OWNER.

1.03 MARKING DEVICES

Provide colored pencils or felt tipped pens for marking changes, revisions, additions and deletions to the record set of Contract Drawings. Use the following color code unless otherwise approved by the ENGINEER:

Process and Mechanical: Orange
Architectural: Blue
Structural: Purple
Plumbing: Brown
HVAC: Green
Other Printed Notations: Black

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. Elevations of various structure elements in relation to elevation datum.
 - 2. All underground piping with elevations and dimensions, changes to piping location, horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements, actual installed pipe material, class, 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.
 - 7. Equipment and piping relocations.
- 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):

Five sets of record drawings for each type process equipment, piping, electrical system and instrumentation system.

1.05 SUBMITTAL

- A. At Contract close-out, deliver Record Documents to the ENGINEER for 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 01730

OPERATING AND MAINTENANCE DATA

PART 1 - GENERAL

1.01 REQUIREMENTS INCLUDED

- A. Compile product data and related information appropriate for OWNER'S maintenance and operation of equipment furnished under Contract.
 - 1. Prepare operating and maintenance data as specified herein and as referenced in other pertinent sections of Specifications.
 - 2. Submit operating and maintenance manuals as specified herein.
- B. Instruct OWNER'S personnel in maintenance of products and in operation of equipment and systems.

1.02 QUALITY ASSURANCE

Preparation of data shall be done by personnel:

- A. Trained and experienced in maintenance and operation of described products.
- B. Familiar with requirements of this Section.
- C. Skilled in technical writing to the extent required to communicate essential data.
- D. Skilled as draftsman competent to prepare required drawings.

1.03 FORM OF SUBMITTALS

- A. Prepare data in form of an operating and maintenance manual for use by OWNER'S personnel.
- B. Format:
 - 1. Size: 8-1/2 inches x 11-inches, punched and reinforced for insertion into the 3-ring binders.
 - 2. Paper: 20 pound minimum white, for typed pages.
 - 3. Text: Manufacturer's printed data, or neatly typewritten.
 - 4. Drawings:
 - a. Provide reinforced punched binder tabs, bind in with text.
 - b. Reduce larger drawings and fold to size of text pages; but no larger than 11-inches x 17-inches.
 - 5. Provide fly-leaf for each separate product, or each piece of operating equipment.
 - a. Provide typed description of product, and major component parts of equipment.
 - b. Provide indexed tabs.

-
6. Cover: Identify each volume with typed or printed title "OPERATING AND MAINTENANCE INSTRUCTIONS." List:

- a. Title of Project
- b. Identity of separate structure as applicable.
- c. Identity of general subject matter covered in the manual.

C. Binders:

1. Commercial quality three-post binders with durable and cleanable plastic pocket covers and spines.
2. Maximum post width: 2-inches, D-ring.
3. When multiple binders are used, correlate the data into related consistent groupings.

1.04 CONTENT OF OPERATING AND MAINTENANCE MANUAL

A. A complete neatly typewritten table of contents listing documents in all volumes shall be included and arranged in systematic order.

1. CONTRACTOR, name of responsible principal, address and telephone number.
2. A list of each product required to be included, indexed to content of the volume.
3. List, with each product, name, address and telephone number of:
 - a. Subcontractor or installer.
 - b. Maintenance contractor, as appropriate.
 - c. Identify area of responsibility of each.
 - d. Local source of supply for parts and replacement.
4. Identify each product by product name and other identifying symbols as set forth in Contract Documents.

B. Product Data:

1. Include only those sheets which are pertinent to the specific product.
2. Annotate each sheet to:
 - a. Clearly identify specific product or part installed.
 - b. Clearly identify data applicable to installation.
 - c. Delete references to inapplicable information.

C. Drawings:

1. Supplement product data with drawings as necessary to clearly illustrate:
 - a. Relations of component parts of equipment and systems.
 - b. Control and flow diagrams.
2. Coordinate drawings with information in Project Record Documents to assure correct illustration of completed installation.
3. A reproducible copy of all drawings larger than 8-1/2" x 14" shall be included in the final submittal.
4. Do not use Project Record Documents as maintenance drawings.

D. Written text, as required to supplement product data for the particular installation:

1. Organize in consistent format under separate headings for different procedures.
2. Provide logical sequence of instructions of each procedure.

-
- E. Copy of each warrant, bond and service contract issued and provide information sheet for OWNER'S personnel, giving proper procedures in the event of failure and instances which might affect the validity of warranties or bonds.
- F. Provide for each unit of equipment and system, as appropriate:
1. Description of unit and component parts.
 - a. Function, normal operating characteristics, and limiting conditions.
 - b. Performance curves, engineering data and tests.
 - c. Complete nomenclature number of replaceable parts including standard or manufacturer's part.
 2. Operating procedures:
 - a. Start-up, break-in, routine and normal operating instructions.
 - b. Regulation, control, stopping, shutdown and emergency instructions.
 - c. Summer and winter operating instructions.
 - d. Special operating instructions.
 3. Maintenance Procedures:
 - a. Routine operations.
 - b. Guide to "troubleshooting."
 - c. Disassembly, repair, and reassembly.
 - d. Alignment, adjusting and checking.
 4. Servicing and lubrication schedule including a list of lubricants required.
 5. Manufacturer's printed operating and maintenance instructions.
 6. Description of sequence of operation by control manufacturer.
 7. Original manufacturer's parts list, illustrations, assembly drawings and diagrams required for maintenance including the following:
 - a. Predicted life of parts subject to wear.
 - b. Items recommended to be stocked as spare parts.
 8. As-installed control diagrams by controls manufacturer.
 9. Each contractor's coordination drawings including as-installed color coded piping diagrams.
 10. Charts of valve tag numbers, with location and function of each valve.
 11. Cataloged list of manufacturer's spare parts supplied with the equipment or system, manufacturer's current prices, and recommended quantities to be maintained in storage.
 12. Other data as required under pertinent sections of Specifications.
- G. Content, for each electric and electronic system, as appropriate:
1. Description of system and component parts.
 - a. Function, normal operating characteristics, and limiting conditions.
 - b. Performance curves, engineering data and tests.
 - c. Complete nomenclature including standard or manufacturer's part number of replaceable parts.
 2. Circuit directories of panelboards.
 - a. Electrical service.
 - b. Controls.
 - c. Communications.
 3. As-installed color coded wiring diagrams.

-
4. Operating procedures:
 - a. Routine and normal operating instructions.
 - b. Sequences required.
 - c. Special operating instructions.
 5. Maintenance procedures:
 - a. Routine operations including recalibration procedures.
 - b. Guide to "troubleshooting."
 - c. Disassembly, repair and reassembly.
 - d. Adjustment and checking.
 6. Manufacturer's printed operating and maintenance instructions.
 7. List of original manufacturer's spare parts, manufacturer's current prices, and recommended quantities to be maintained in storage.
 8. Other data as required under pertinent section of specifications.
- H. Prepare and include additional data when the need for such data becomes apparent during instruction of OWNER'S personnel.
- I. Additional requirements for operating and maintenance data as required by the respective sections of the Specifications.

1.05 SUBMITTAL SCHEDULE AND REQUIREMENTS

- A. Submit two (2) copies of preliminary draft of proposed formats and outlines of contents of Operating and Maintenance Manual prior to 50% payment application. No further payment application will be processed until this submittal is made.
- B. Submit two (2) copies of subsequent draft copies of manual in final form prior to submittal of the 75% payment application. No further payment application will be processed until this submittal is made. One copy will be returned and comments to be incorporated into final manual.
- C. Submit five (5) copies of the final manual to the ENGINEER prior to plant startup and prior to submittal of the 85% payment request. No additional payment request will be processed until the final manual is submitted to and approved by the ENGINEER.
- D. Submit five (5) copies of any addenda to the Operating and Maintenance Manual as applicable within 30 days after final inspection and start-up.

1.06 INSTRUCTION OF OWNER'S PERSONNEL

- A. Prior to initial start-up inspection or request for substantial completion, fully instruct OWNER'S designated operating and maintenance personnel in operation, adjustment and maintenance of products, equipment and systems. Contractor shall provide a seven (7) day notice prior to scheduling instruction.
- B. Use the operating and maintenance manuals as the basis of instruction and review contents of manual with personnel in full detail.

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 required in the General Conditions.
- B. Co-execute submittals when so specified.
- C. Review submittals to verify compliance with Contract Documents.
- D. Submit to the ENGINEER for review and transmittal to OWNER.

1.02 SUBMITTAL REQUIREMENTS

- A. Assemble and include warranties, bonds and service and maintenance contracts, executed by each of the respective manufacturers, suppliers, and subcontractors including effective dates.
- B. Number of original signed copies required. Two 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, bond or service and maintenance contract.
 - 5. Duration of warranty, bond or service maintenance contract.
 - 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.

1.03 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. Fold larger sheets to fit into binders.
 - 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.

1.04 WARRANTY SUBMITTAL REQUIREMENTS

A. For all major pieces of equipment, unless stated otherwise in the specifications for each individual item of equipment, submit a written warranty from the equipment manufacturer to replace promptly any equipment or component thereof which, in the sole opinion of the ENGINEER, has defects in design, workmanship, materials, or performance within a one year period following the date of acceptance on operation (Substantial Completion) by the OWNER. The manufacturer's warranty period shall be concurrent with the CONTRACTOR'S for one year. The CONTRACTOR shall be solely responsible for both warranties.

B. The CONTRACTOR shall obtain warranties for all equipment which has a 1/4 HP motor or larger and/or which lists for more than \$500. The ENGINEER reserves the right to request warranties for equipment not so classified. The CONTRACTOR shall warrant all equipment in the Contract one-year warranty period even though manufacturers' warranties may not be required. Refer to specific sections for other warranty periods.

C. In the event that the CONTRACTOR is unable to obtain from an equipment manufacturer or supplier the above one-year warranty, the CONTRACTOR shall provide prior to acceptance for operation of the equipment by the OWNER a bank letter of credit in favor of the OWNER in the amount of 200 percent of the purchase price of the equipment for a period of 18 months from the beginning of the warranty period on which the OWNER may draw for replacement of defective equipment (materials and labor).

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION

SECTION 01750

SPARE PARTS AND MAINTENANCE MATERIALS

PART 1 - GENERAL

1.01 REQUIREMENTS INCLUDED

- A. CONTRACTOR shall furnish spare parts and maintenance materials as specified in the individual Sections.
- B. Parts and materials shall be furnished in manufacturers unopened cartons, boxes, crates or other protective covering suitable for preventing corrosion or deterioration for the maximum length of storage which may be normally anticipated. They shall be clearly marked and identified.
- C. During construction, store parts in buildings or trailers with floor, roof and closed sides and in accordance with manufacturers' recommendations. Protect from weather, condensation and humidity.
- D. Parts and materials shall be delivered to the OWNER upon completion of the Work or before the OWNER assumes beneficial occupancy. CONTRACTOR shall then place them in permanent storage rooms or areas approved by the OWNER.
- E. Provide a letter of transmittal including the following:
 - 1. Date of letter and transfer of parts and material.
 - 2. Contract title and number.
 - 3. CONTRACTOR'S name and address.
 - 4. A complete inventory of the parts and material, listing the applicable Specification Section for each.
 - 5. A place for the OWNER to sign and signify receipt of the parts and materials.
- F. CONTRACTOR shall be fully responsible for loss or damage to parts and materials until they are transmitted to the OWNER.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION

SECTION 02050

DEMOLITION

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Scope: CONTRACTOR shall furnish all labor, materials, equipment and incidentals required for demolitions, removal and disposal of Work shown and specified.
- B. Included, but not limited to, are demolition and removals of existing facilities, materials, equipment, or Work necessary to install the new Work as shown and specified and to connect same with existing Work in an approved manner. Demolition includes but not limited to, removal of filter media and underdrains, surface sweeps; piping and appurtenances, concrete backwash troughs, filter valves; piping and appurtenances, and filter control panel.
- C. Demolitions and removals which may be specified under other Sections shall conform to requirements of this Section.
- D. Related Work Specified Elsewhere:
 - 1. Section 01010, Summary of Work.

1.02 SUBMITTALS

Schedule: Submit for approval proposed methods, equipment, and operations sequence. Include coordination for shut-off, capping, temporary services, continuation of utility services, and other applicable items to ensure no interruption of OWNER'S operations.

1.03 JOB CONDITIONS

- A. Protection:
 - 1. CONTRACTOR shall execute the demolition and removal Work to prevent damage or injury to structures, occupants thereof and adjacent features which might result from falling debris or other causes, and so as not to interfere with the use, and free and safe passage to and from, adjacent structures.
 - 2. Closing or obstructing of roadways, sidewalks, and passageways adjacent to the Work by the placement or storage of materials will not be permitted, and all operations shall be conducted without interference to traffic on these ways.
 - 3. CONTRACTOR shall repair damage done to facilities to remain, or to any property belonging to the OWNER.
- B. Provide safeguards, including warning signs, barricades, temporary fences, and other similar items that are required for protection of all personnel during demolition operations. Maintain fences, barricades, lights, and other similar items around exposed excavations until such excavations have been completely filled.

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- C. Scheduling: CONTRACTOR shall carry out his operations so as to avoid interference with operations of the Water Treatment Plant. CONTRACTOR shall proceed with the work in a fashion which will allow three filters to remain in proper operation at all times during the renovations.
 - D. Notification: At least 48 hours prior to commencement of a demolition or removal, CONTRACTOR shall notify the ENGINEER in writing of his proposed schedule therefore. OWNER shall inspect the existing equipment to identify and mark those items which are to remain the property of the OWNER. No removals shall be started without the permission of the ENGINEER.
 - E. Explosives: Do not bring explosives on site nor use explosives for demolition.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.01 GENERAL

- A. All materials and equipment removed from existing Work shall become the property of the CONTRACTOR, except for those which the OWNER has identified and marked to remain the property of the OWNER. All materials and equipment marked by the OWNER to remain its property shall be carefully removed by the CONTRACTOR so as not to be damaged, and then cleaned and stored on or adjacent to the site in a protected place specified by the ENGINEER or loaded onto trucks provided by the OWNER.
- B. CONTRACTOR shall dispose of all demolition materials, equipment, debris, and all other items not marked by the ENGINEER to remain the OWNER's property, off the site and in conformance with all existing applicable laws and regulations.
- C. Pollution Controls: Use water sprinkling, temporary enclosures, and other suitable methods to limit the amount of dust and dirt rising and scattering in the air to the lowest practical level. Comply with governing regulations pertaining to environmental protection.
 - 1. Do not use water when it may create hazardous or objectionable conditions such as ice, flooding, and pollution.
 - 2. Clean adjacent structures, facilities, and improvements of dust, dirt, and debris caused by demolition operations. Return adjacent areas to conditions existing prior to the start of the Work.
- D. Concrete and Masonry Demolition: Unless otherwise approved by ENGINEER, proceed with demolition from the top of the structure to the ground.
 - 1. Demolish concrete and masonry in small sections.
 - 2. Remove structural framing members and lower to ground by means of hoists, derricks, or other suitable methods.

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3. Break up and remove foundations and slabs-on-grade, unless otherwise shown or specified to remain.
 4. Remove structures down to at least two feet below finished grade unless otherwise shown or specified.

END OF SECTION

SECTION 03255

ANCHOR BOLTS, EXPANSION ANCHORS AND CONCRETE INSERTS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Scope: CONTRACTOR shall furnish all labor, materials, equipment and incidentals as shown, specified and required to furnish and install anchor bolts, expansion anchors and concrete inserts as shown and specified.
- B. This Section includes all bolts, anchors and inserts required for the Work but not specified under other Sections.
- C. The types of work using the bolts, anchors and inserts include, but are not limited to the following:
 - 1. Handrails.
 - 2. Stairs.
 - 3. Hangers and brackets.
 - 4. Equipment.
 - 5. Piping.
 - 6. Tanks.
 - 7. Grating and floor plate.
 - 8. Electrical, Plumbing and HVAC Work.
- D. Related Work Specified Elsewhere:
 - 1. Section 05500, Metal Fabrications and Miscellaneous Metals.
 - 2. Section 15140, Hangers, Supports and Restraints.

1.02 QUALITY ASSURANCE

- A. Reference Standards: Comply with the applicable provisions and recommendations of the following, except as otherwise shown or specified.
 - 1. ASTM A 36, Structural Steel.
 - 2. ASTM A 320, Alloy-Steel Bolting Materials for Low-Temperature Service.
 - 3. American Institute of Steel Construction, Structural Steel Detailing.
- B. Expansion anchors and inserts shall be UL or FM approved.

1.03 SUBMITTALS

- A. Samples: Submit for approval the following:
 - Representative samples of bolts, anchors and inserts as may be requested by the ENGINEER.
 - His review will be for type and finish only. Compliance with all other requirements is exclusive responsibility of CONTRACTOR.

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- B. Shop Drawings: Submit for approval the following:
 - 1. Setting drawings and templates for location and installation of anchorage devices.
 - 2. Copies of manufacturer's specifications, load tables, dimension diagrams and installation instructions for the devices.

PART 2 - PRODUCTS

2.01 DESIGN CRITERIA

- A. When the size, length or load carrying capacity of an anchor bolt, expansion anchor, or concrete insert is not shown on the Drawings, provide the size, length and capacity required to carry the design load times a minimum safety factor of four.
- B. Determine design loads as follows:
 - 1. For equipment anchors, use the design load recommended by the manufacturer and approved by the ENGINEER.
 - 2. For pipe hangers and supports, use one half the total weight of pipe, fittings, valves, accessories and water contained in pipe, between the hanger or support in question and adjacent hangers and supports on both sides.
 - 3. Allowances for vibration are included in the safety factor specified above.

2.02 MATERIALS

- A. Anchor Bolts:
 - 1. "J" or "L" type:
 - a. Material and thread specifications to comply with ASTM A 36.
 - b. Located and accurately set for the intended equipment.
 - c. Protect threads and shank from damage through installation of equipment.
 - d. Size as required for the intended equipment and according to the manufacturers recommendations.
 - 2. Other types, if shown on Drawings.
 - 3. In buried, exterior or submerged locations, provide stainless steel bolts with material specifications complying with ASTM A320, AISI Type 304. Other AISI types may be used subject to ENGINEER'S approval.
- B. Expansion Anchors:
 - 1. Provide zinc plated anchors. Anchors shall be of the size required for the concrete strength specified. Provide stud type (male thread) or flush type (female thread), as required.
 - 2. Product and Manufacturer: Provide anchors by one of the following:
 - a. Molly Division of USM Corporation;
 - b. Hilti, Incorporated;
 - c. Or equal.
 - 3. In buried, exterior, submerged or below grade locations, provide stainless steel anchors complying with ASTM A 320, AISI Type 303. Other AISI types may be used, subject to ENGINEER'S approval.

C. Concrete Inserts:

1. For piping, grating and floor plate, provide malleable iron inserts. Provide those recommended by the manufacturer for the required loading.
2. Finish shall be black.
3. Product and Manufacturer: Provide one of the following inserts:
 - a. Figure 282 by ITT Grinnell
 - b. No. 380 by Hohmann and Barnard, Inc.;
 - c. Or equal.

D. Powdered Actuated Fasteners:

1. Provide heavy-duty steel pins with diameter of at least 0.1770 and length as required to provide a minimum of 10 embedment.
2. Provide heavy-duty pins with dome type heads.
3. Product and Manufacturer:
 - a. DX Powder Actuated Fastening System by Hilti, Incorporated
 - b. Or equal.

E. Metal Hit Anchors:

1. Provide 1/40 metal hit anchors for securing pipe, conduit, steel angles or plate, and other attachments to brick walls of adequate length to provide a 10 minimum embedment.
2. Product and Manufacturer:
 - a. Metal Hit Anchors by Hilti, Incorporated
 - b. Or equal.

F. Cast-In-Place Anchor Bolts:

1. Headed type, unless otherwise shown on Drawings.
2. Material type and protective coating as shown in FASTENER SCHEDULE at end of this section.

G. Anchor Bolt Sleeves:

1. Plastic:
 - a. Single unit construction with corrugated sleeve.
 - b. Top of sleeve shall be self-threading to provide adjustment of threaded anchor bolt projection.
 - c. Material: High density polyethylene.
 - d. Manufacturer: Sinco Products, Inc., Middletown, CT. [(800) 243-6753]
2. Fabricated Steel: ASTM A36/A36M.

H. Wedge Anchors:

1. Manufacturers and Products:
 - a. ITW Ramset/Red Head, Wood Dale, IL; Trubolt Wedge Anchor.
 - b. Hilti, Inc., Tulsa, OK; Kwik-Bolt II Stud Anchor.
 - c. Powers Rawl, New Rochelle, NY; Power-Stud Anchor.
 - d. Simpson Strong-Tie Co., Inc., Pleasanton, CA; Wedge-All Anchor.
 - e. Wej-It Corp., Tulsa, OK; ANKRtite Wedge Anchor.
 - f. U.S. Anchor, Pompano Beach, FL; Kingpin Wedge Anchor.

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- g. Unitex, Kansas City, MO; Pro-Poxy 300 and Pro-Poxy 300 Fast Epoxy Adhesive Anchors.

I. Sleeve Anchors:

1. Manufacturers and Products:

- a. ITW Ranswet/Red Head, Wood Dale, IL; Dynabolt Hex Nut Sleeve Anchor.
- b. Powers Rawl, New Rochelle, NY; Hex Head Power-Bolt Anchor.
- c. Simpson Strong-Tie Co., Inc., Pleasanton, CA; Sleeve-All Hex Head Anchor.
- d. Wej-It Corp., Tulsa, OK; Wej-It Sleeve Anchor.

J. Adhesive Anchors:

1. Threaded Rod:

- a. ASTM F 593 stainless steel threaded rod, diameter as shown on Drawings.
- b. Length as required, to provide minimum depth of embedment.
- c. Clean and free of grease, oil, or other deleterious material.
- d. For hollow-unit masonry, provide galvanized or stainless steel wire cloth screen tube to fit threaded rod.

2. Adhesive:

- a. Two-component, designed to be used in adverse freeze/thaw environments, with gray color after mixing.
- b. Cure Temperature, Pot Life, and Workability: Compatible for intended use and environmental conditions.
- c. Nonsag, with selected viscosity base on installation temperature and overhead application where applicable.

3. Packaging and Storing:

- a. Disposable, self-contained cartridge system capable of dispensing both components I the proper mixing ratio and fitting into a manually or pneumatically operated caulking gun.
- b. Store adhesive cartridges on pallets or shelving in covered storage area, in accordance with manufacturer's written instructions.
- c. Cartridge Markings: Include manufacturer's name, product name, material type, batch or serial number, and adhesive expiration date.
- d. Dispose of cartridges if shelf life has expired.

4. Manufacturers and Products:

- a. ITW Ramset/Red Head, Wood Dale, IL; Epcon Ceramic 6 Epoxy or A7 Adhesive Anchor System. (Use only Epcon A7 Adhesive System for hollow masonry.)
- b. Hilti, Inc., Tulsa, OK; HIT Doweling Anchor System, HIT HY 150 (HIT HY 20 for hollow masonry).
- c. Powers Rawl, New Rochelle, NY; Power Fast Epoxy Injection Gel Cartridge System.
- d. Simpson Strong-Tie Co., Inc., Pleasanton, CA; Epoxy-Tie Adhesive ET or Acrylic-Tie Adhesive. (Use only Acrylic-Tie Adhesive for temperatures below 40 degrees F.)
- e. Covert Operations, Inc., Long Beach, CA; CIA-Gel 7000 Epoxy Anchors.
- f. U.S. Anchor, Pompano Beach, FL; Ultrabond 1.

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- g. Unitex, Kansas City, MO; Pro-Poxy 300 and Pro-Poxy 300 Fast Epoxy Adhesive Anchors.
 - K. Adhesive Threaded Inserts:
 - 1. Stainless steel, internally threaded insert.
 - 2. Manufacturer and Product: Hilti, Inc., Tulsa, OK; HIS-R Insert with HIT HY 150 adhesive.
 - L. Welded Anchor Studs
 - 1. Headed anchor studs (HAS) or threaded anchor studs (TAS), as indicated on Drawings.
 - a. Carbon Steel: ASTM A108, Standard Quality Grades 1010 through 1020, inclusive either semikilled or killed aluminum or silicon dioxidation, unless indicated otherwise.
 - b. Stainless Steel: ASTM F593, AISI Type 316, Condition CW, where indicated.
 - 2. Manufacturers:
 - a. Nelson Stud Welding, FabriSteel Co., Elyria, OH.
 - b. Stud Welding Associates, Inc., Elyria, OH.

PART 3 - EXECUTION

3.01 INSPECTION

Examine conditions under which bolts, anchors, or inserts are to be installed, and notify ENGINEER in writing of unsatisfactory conditions existing. Do not proceed with the Work until unsatisfactory conditions or deficiencies have been corrected in a manner acceptable to ENGINEER.

3.02 INSTALLATION

- A. Drilling equipment used and installation of expansion anchors shall be in accordance with manufacturer's instructions.
- B. Assure that embedded items are protected from damage and are not filled in with concrete.
- C. Expansion anchors may be used for hanging or supporting pipe 4 inches diameter and smaller. Expansion anchors shall not be used for larger pipe unless otherwise shown or approved by the ENGINEER.
- D. Unless otherwise shown or approved by ENGINEER conform to following for expansion anchors:
 - 1. Minimum embedment depth in concrete: 5 diameters.
 - 2. Minimum anchor spacing on centers: 10 diameters.
 - 3. Minimum distance to edge of concrete: 5 diameters.
 - 4. Increase dimensions above if required to develop the required anchor load capacity.

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- E. Use concrete inserts for hanging or supporting pipe larger than 4 inches in diameter up to a maximum of 8 inches in diameter. Loads on concrete inserts shall be as recommended by the insert manufacturer.
 - F. Special designs will be shown on Contract Drawings for hanging or supporting pipe larger than 8 inches in diameter.

3.03 CLEANING

After embedding concrete is placed, remove protection and clean bolts and inserts.

END OF SECTION

SECTION 03315

CONCRETE AND GROUT

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Scope: CONTRACTOR shall provide all labor, materials, equipment and incidentals as shown, specified and required to furnish and install cast-in-place concrete reinforcement and related materials.
- B. Coordination: Review installation procedures under other Sections and coordinate the installation of items that must be installed in the concrete.

1.02 QUALITY ASSURANCE

- A. Source Quality Control:
 - 1. Concrete Testing Service:
 - a. CONTRACTOR shall employ acceptable testing laboratory to perform materials evaluation, testing and design of concrete mixes.
 - b. CONTRACTOR'S laboratory shall also evaluate concrete delivered to and placed at the site.
 - 2. Certificates, signed by concrete producer and CONTRACTOR, may be submitted in lieu of material testing when acceptable to ENGINEER.
 - 3. Quality Control: Perform sampling and testing during concrete placement, as follows:
 - a. Sampling: ASTM C 172.
 - b. Slump: ASTM C 143, one test for each load at point of discharge.
 - c. Air Content: ASTM C 31, one for each set of compressive strength specimens.
 - d. Compressive Strength: ASTM C 39, one set for each 50 cubic yards or fraction thereof for each class of concrete; a minimum of one for each pour of structural concrete; 1 specimen tested at 7 days, 2 specimens tested at 28 days. When the total quantity of concrete is less than 50 cubic yards, the strength tests may be waived by ENGINEER if field experience indicates evidence of satisfactory strength.
- B. Reference Standards: Comply with the applicable provisions and recommendations of the following, except as otherwise shown or specified.
 - 1. ACI 301, Specifications for Structural Concrete for Building (includes ASTM Standards referred to herein except ASTM A 36).
 - 2. ACI 347, Recommended Practice for Concrete Formwork.
 - 3. ACI 304, Recommended Practice for Measuring, Mixing, Transporting, and Placing Concrete.
 - 4. ACI 315, Manual of Standard Practice for Detailing Reinforced Concrete Structures.
 - 5. ACI 305, Recommended Practice for Hot Weather Concreting.
 - 6. ACI 306, Recommended Practice for Cold Weather Concreting

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7. ASTM A 36, Structural Steel.
 8. Concrete Reinforcing Steel Institute, Manual of Standard Practice, include ASTM Standards referred herein.

1.03 SUBMITTALS

- A. Samples: Submit samples of materials as specified and may be requested by the ENGINEER including names, sources and descriptions.
- B. Shop Drawings: Submit the following for approval in accordance with Shop Drawing Procedures Section 01340 and the General Requirements and with additional requirements as specified.
 1. Copies of manufacturer's specifications with application and installation instructions for proprietary materials and items, including admixtures and bonding agents.
 2. Drawings for fabrication, bending, and placement of concrete reinforcement. Comply with ACI 315, Chapters 1 thru 8. For walls, show elevations to a minimum scale of 1/4-inch to 1 foot. Show bar schedules, stirrup spacing, diagrams of bent bars, arrangements and assemblies, as required for the fabrication and placement of concrete reinforcement.
 3. List of concrete materials and concrete mix designs proposed for use. Include the results of all tests performed to qualify the materials and to establish the mix designs in accordance with ACI 301, 3.9. Submit written report to ENGINEER for each proposed concrete mix at least 15 days prior to start of Work. Do not begin concrete production until mixes have been reviewed and are acceptable to ENGINEER. Mix designs may be adjusted when material characteristics, job conditions, weather, test results or other circumstances warrant. Do not use revised concrete mixes until submitted to and accepted by ENGINEER.
- C. Laboratory Test Reports: Submit copies of laboratory test reports for concrete cylinders, materials and mix design tests. Production of concrete to comply with specified requirements is the responsibility of the CONTRACTOR.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Deliver concrete reinforcement materials to the site bundled, tagged and marked. Use tags indicating bar size, lengths, and other information corresponding to markings shown on placement diagrams.
- B. All materials used for concrete must be kept clean and free from all foreign matter during transportation and handling and kept separate until measured and placed in the mixer. Bins or platforms having hard clean surfaces shall be provided for storage. Suitable means shall be taken during hauling, piling and handling to insure that segregation of the coarse and fine aggregate particles does not occur and the grading is not affected.

PART 2 - PRODUCTS

2.01 CONCRETE MATERIALS

- A. Portland Cement: ASTM C 150, Type I.
- B. Aggregates: ASTM C 33.
 - 1. Fine Aggregate: Clean, sharp, natural sand free from loam, clay, lumps or other deleterious substances. Dune sand, bank run sand and manufactured sand are not acceptable.
 - 2. Coarse Aggregate: Clean, uncoated, processed aggregate containing no clay, mud, loam, or foreign matter, as follows:
 - a. Crushed stone, processed from natural rock or stone.
 - b. Washed gravel, either natural or crushed. Use of slag and pit or bank run gravel is not permitted.
- C. Coarse Aggregate Size: Size to be ASTM C 33, Nos. 57 or 67, unless permitted otherwise by ENGINEER.
- D. Water: Clean, potable.
- E. Air-Entraining Admixture: ASTM C 260.
- F. Water-Reducing Admixture: ASTM C 494. Only use admixtures which have been tested and accepted in mix designs.
- G. Slump Limits: Proportion and design mixes to result in concrete slump at the point of placement of not less than one inch and not more than four inches.

2.02 FORM MATERIALS

- A. Provide form materials with sufficient stability to withstand pressure of placed concrete without bow or deflection.
- B. Exposed Concrete Surfaces: Acceptable panel-type to provide continuous, straight, smooth, as-cast surfaces. Use largest practical sizes to minimize form joints.
- C. Unexposed Concrete Surfaces: Suitable material to suit project conditions.
- D. Provide ¼-inch chamfer at all exposed corners.

2.03 REINFORCING MATERIALS

- A. Reinforcing Bars: ASTM A 615, Grade 60.
- B. Welded Wire Fabric: ASTM A 185.
- C. Steel Wire: ASTM A 82.

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- D. Supports for Reinforcement: Bolsters, chairs, spacers and other devices for spacing, supporting and fastening reinforcement in place.
1. Use wire bar type supports complying with CRSI recommendations, except as specified below. Do not use wood, brick, or other unacceptable materials.
 2. For slabs on grade, use supports with sand plates or horizontal runners where base materials will not support chair legs.
 3. For all concrete surfaces, where legs of supports are in contact with forms, provide supports complying with CRSI, Manual of Standard Practice as follows:
Either hot-dip galvanized, plastic protected or stainless steel legs.

2.04 GROUT

- A. Non-metallic, 100 percent solids, high strength epoxy grout.
1. Use clean well graded sand with epoxy resins suitable for use on dry or damp surfaces.
 2. Product and Manufacturer; Provide one of the following:
 - a. Euco High Strength Grout by the Euclid Chemical Company.
 - b. Sikadur 42 Grout by Sika Chemical Company.
 - c. Five Star Epoxy Grout by U.S. Grout Corporation.
 - d. Or equal.
- B. Nonshrink, Nonmetallic Grout:
1. Premixed nonstaining cementitious grout requiring only the addition of water at the job site.
 2. Product and Manufacturer: Provide one of the following:
 - a. Euco N-S by the Euclid Chemical Company.
 - b. Masterflow 713 by Master Builders Company.
 - c. Five Star by U.S. Grout Corporation.
 - d. Or equal.
- C. Ordinary Cement-Sand Grout:
1. Except where otherwise specified use 1 part cement to 3 parts sand complying with the following:
 - a. Cement: ASTM C 150, Type I.
 - b. Sand: ASTM C 33.

2.05 EXPANSION JOINTS

- A. Expansion joint filler shall be preformed expansion joint filler complying with ASTM D1752, Type II cork.
- B. Expansion joint sealer:
1. Exterior and Interior Joints in Horizontal Planes: Two-Component Polyurethane Sealant:
 - a. Polyurethane-based, 2-part elastomeric sealant complying with the following:
 - (1) FS TT-S-00227, Type 1 (self-leveling) Class A.
 - (2) Water Immersion Bond, FS TT-S-00227; Elongation of 25 percent with no adhesive failure.
 - (3) Hardness (Standard Conditions), ASTM C 661: 30-40.

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- (4) Stain and Color Change, FS TT-S-00227 and ASTM C 510: No discoloration or stain.
 - (5) Accelerated Aging, ASTM C 793: No change in sealant characteristics after 250 hours in weatherometer.
 - b. Product and Manufacturer: Provide one of the following:
 - (1) Sonolastic Paving Joint Sealant by Sonneborn Division of Contech Incorporated.
 - (2) Vulkem 255 by Mameco International.
 - (3) Or equal.

2.06 WATERSTOPS

- A. Reference Standard: CRD-C 572.
 - 1. Construction Joints: A dumbbell shape polyvinyl chloride waterstop with the following minimum requirements:
 - a. Thickness: 3/8 inch.
 - b. Length: Six inches.
 - c. Bulb diameter: 3/4 inch.
 - 2. Expansion Joints: A dumbbell shape polyvinyl chloride waterstop with the following minimum requirements:
 - a. Thickness: 3/8 inch.
 - b. Length: Nine inches.
 - c. Bulb diameter: 3/4 inch.
- B. Product and Manufacturer: Provide waterstops as manufactured by one of the following.
 - 1. Vulcan Products, Inc.
 - 2. W. R. Meadows, Inc.
 - 3. Or equal.

PART 3 - EXECUTION

3.01 INSPECTION

CONTRACTOR and his installer shall examine the substrate and the conditions under which Work is to be performed and notify ENGINEER of unsatisfactory conditions. Do not proceed with the Work until unsatisfactory conditions have been corrected in a manner acceptable to ENGINEER.

3.02 FORMWORK

- A. Formwork: Construction so that concrete members and structures are correct size, shape, alignment, elevation and position, complying with ACI 347.
- B. Provide openings in formwork to accommodate Work of other trades. Accurately place and securely support items built into forms.
- C. Clean and adjust forms prior to concrete placement. Apply form release agents or wet forms, as required. Retighten forms during and after concrete placement if required to eliminate mortar leaks.

3.03 REINFORCEMENT, JOINTS, AND EMBEDDED ITEMS

- A. Comply with the applicable recommendations of specified codes and standards, and ACI Manual No. SP-66, latest edition, for details and methods of reinforcement placement and supports.
- B. Clean reinforcement to remove loose rust and mill scale, earth, ice, and other materials which reduce or destroy bond with concrete.
- C. Position, support, and secure reinforcement against displacement during formwork construction or concrete placement. Locate and support reinforcing by metal chairs, runners, bolsters, spacers and hangers, as required.
 - 1. Place reinforcement to obtain the minimum concrete converges as shown and as specified in ACI 318. Arrange, space, and securely tie bars and bar supports together with 16 gauge wire to hold reinforcement accurately in position during concrete placement operations. Set with ties so that twisted ends are directed away from exposed concrete surfaces.
 - 2. Reinforcing steel shall not be secured to forms with wire, nails or other ferrous metal. Metal supports subject to corrosion shall not touch formed or exposed concrete surfaces.
- D. Provide sufficient numbers of supports of strength required to carry reinforcement. Do not place reinforcing bars more than 2 inches beyond the last leg of any continuous bar support. Do not use supports as bases for runways for concrete conveying equipment and similar construction loads.
- E. Splices: Provide standard reinforcement splices by lapping ends, placing bars in contact, and tying tightly with wire. Comply with requirements for minimum lap of spliced bars.
- F. Install welded wire fabric in as long lengths as practical, lapping at least one mesh.
- G. Concrete shall not be placed until the reinforcing steel is inspected and permission for placing concrete is granted by ENGINEER. All concrete placed in violation of this provision will be rejected.
- H. Joints: Provide construction, isolation, and control joints as indicated or required. Locate construction joints so as to not impair the strength and appearance of the structure. Place isolation and control joints in slabs on ground to stabilize differential settlement and random cracking.
- I. Installation of Embedded Items: Set and build into the Work anchorage devices and embedded items required for other Work that is attached to, or supported by cast-in-place concrete. Use setting diagrams, templates and instructions provided under other Sections and other contracts for locating and setting. Refer also to Paragraph 1.01.B., Coordination, above.

J. Waterstops

1. General:

- a. Comply with ACI 301, Chapter 6, and as specified below. All joints shall be made in accordance with manufacturer's instructions.
- b. Obtain ENGINEER'S approval for waterstop locations not shown.
- c. Provide waterstops in all foundations, tanks and other substructures up to an elevation at least 12 inches above grade or to an elevation at least 12 inches above liquid level in tanks, whichever is higher, except where otherwise shown or noted.

2. Polyvinyl Chloride Waterstop:

- a. Tie waterstop to reinforcement so that it is securely and rigidly supported in the proper position during concrete placement. Continuously inspect waterstops during concrete placement to insure their proper positioning.
- b. Waterstops shall be fused using equipment as supplied by or recommended by the manufacturer.
- c. Where required, weld polyvinyl chloride waterstop to steel waterstop by gently heating while applying pressure to the two materials. Use a steel plate and two AC® clamps to apply the pressure and a propane torch to apply the heat. The polyvinyl chloride waterstop shall be clamped between the steel waterstop and the steel plate which is held in place by the two "C" clamps. As heat is applied to the steel waterstop tighten the "C" clamps. Heat for approximately 15 minutes at a temperature just enough to make the polyvinyl chloride "runny" and the weld complete. After cooling remove the "C" clamps and plate. ENGINEER must approve polyvinyl chloride before embedding in concrete.

3.04 CONCRETE AND PLACEMENT

A. Proportioning and Design of Mix:

1. Minimum compressive strength at 28 days: 4000 psi.
2. Maximum water cement ratio by weight: 0.45.
3. Minimum cement content: 564 pounds per cubic yard.
4. Normal weight: 145 pounds per cubic foot.
5. Use air-entraining admixture in all concrete: Provide not less than 4 percent nor more than 8 percent entrained air for concrete exposed to freezing and thawing, and from 2 percent to 4 percent for other concrete.
6. Calcium Chloride: Do not use calcium chloride in concrete, unless otherwise authorized in writing by ENGINEER. Do not use admixtures containing calcium chloride.

B. Job-Site Mixing: Use drum type batch machine mixer, mixing not less than 3 minutes for one cubic yard or smaller capacity. Increase mixing time at least 1 minute for each additional cubic yard or fraction thereof.

C. Ready-Mixed Concrete: ASTM C 94.

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- D. Concrete Placement: Comply with ACI 304, placing concrete in a continuous operation within planned joints or sections. Do not begin placement until work of other trades affecting concrete is completed.
 - E. Consolidate placed concrete using mechanical vibrating equipment with hand rodding and tamping, so that concrete is worked around reinforcement and other embedded items and into all parts of forms.
 - F. Protect concrete from physical damage or reduced strength due to weather extremes during mixing, placement, and curing.
 - 1. In cold weather comply with ACI 306.
 - 2. In hot weather comply with ACI 305.

3.05 QUALITY OF CONCRETE WORK

- A. Make all concrete solid, compact and smooth, and free of laitance, cracks and cold joints.
- B. Cut out and properly replace to the extent ordered by the ENGINEER, or repair to the satisfaction of the ENGINEER, surfaces which contain cracks or voids, are unduly rough, or are in any way defective. Patches or plastering will not be acceptable.
- C. Repair, removal, and replacement of defective concrete as ordered by the ENGINEER shall be at no additional cost to the OWNER.

3.06 CURING

- A. Begin initial curing after placing and finishing concrete as soon as free water has disappeared from exposed surfaces. Where possible, keep continuously moist for not less than 72 hours. Continue curing use of moisture-retaining cover or membrane-forming curing compound. Cure formed surfaces by moist curing until forms are removed. Provide protection as required to prevent damage to exposed concrete surfaces.
- B. Forms on structural walls shall be left in place for a minimum of 72 hours unless a cylinder breaks indicating the strength of the concrete has reached 75 percent of design strength.
- C. Forms on structural floors and ceiling shall be left in place until a cylinder break indicates the strength of the concrete has reached 85 percent of design strength.

3.07 FINISHES

Finish:

- 1. After placing concrete slabs, do not work the surface further until ready for floating. Begin floating when the surface water has disappeared or when the concrete has stiffened sufficiently. Check and level the surface plane to a tolerance not exceeding 1/8-inch in 10 feet when tested with a 10 foot straightedge placed on the surface at not less than 2 different angles. Cut down high spots and fill all low spots. Uniformly slope surfaces to drains. Immediately after leveling, refloat the surface to a uniform, smooth, granular texture.

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2. After floating, begin the first trowel finish operation using a trowel. Begin final troweling when the surface produces a ringing sound as the trowel is moved over the surface.
 3. Consolidate the concrete surface by the final hand troweling operation. Finish shall be free of trowel marks, uniform in texture and appearance, and with a surface plane tolerance not exceeding 1/8-inch in 10 feet when tested with a 10 foot straight edge. Grind smooth surface defects.
 4. Use trowel finish for the following: Interior exposed slabs unless otherwise shown or specified.
 5. Apply non-slip broom finish to exterior concrete slab and elsewhere as shown on the Drawings.

3.08 GROUT PLACEMENT

General:

1. Place grout as shown and in accordance with manufacturer's instructing. If manufacturer's instructions conflict with the Specifications do not proceed until the ENGINEER provides clarification.
2. Drypacking will not be permitted.
3. Manufacturer's of proprietary products shall make available upon 72 hours notification the services of a qualified, full-time employee to aid in assuring proper use of the product under job conditions.
4. Placing grout shall conform to the temperature and weather limitations described in Paragraph 3.04 above.

3.09 WATERTIGHTNESS

Each water-retaining structure (those which are intended to hold a liquid) shall be filled and tested for leaks by the CONTRACTOR with clean water prior to surface coating or painting. Leaks shall be repaired by the CONTRACTOR. The procedure and manner in which leaks are repaired shall meet the approval of the ENGINEER. All costs associated with the testing and repair of leaks shall be at the expense of the CONTRACTOR. Prior to beginning of the leakage test, the structure shall be filled to the highest working water level and allowed to stand for a period of 24 hours to allow for absorption.

Leakage limitations shall be as follows:

- A. All water visibly flowing through a concrete wall shall constitute a leak and shall be repaired by pumping and sealing the crack with a NSF-approved for potable water contact material.
- B. Damp areas not exceeding one percent of the total wall wetted area and not having visible seepage shall be conditionally acceptable subject to all said dampness being eliminated by application of the water side surface treatment as may be specified. In the absence of a specified water side surface treatment or where said treatment does not eliminate wall dampness, the water side of the wall shall be prepared in accordance with the manufacturer's instructions and a NSF approved for potable water contact epoxy concrete surface coating applied.

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- C. All leakage testing shall be performed prior to backfill.
 - D. To check for leakage through the tank bottoms, the fall in surface water level during tank testing shall be measured and shall not exceed 0.5 inch in a 24 hour period, providing allowance for evaporation at a rate approved by the ENGINEER. Visual leaks, either flowing or damp areas, observed during the filling, absorption, or test periods shall be marked and locations recorded and repaired.

END OF SECTION

SECTION 03500

FILTER LINING SYSTEMS

PART I - GENERAL

1.01 DESCRIPTION

This specification outlines surface preparation and physical performance requirements of required filter lining system.

1.02 REFERENCE SPECIFICATIONS

- A. Section 13200 – Filtration System

PART 2 - PRODUCTS

2.01 SURFACE RESTORATION

- A. Carboline Carboguard 510 Series Epoxy Modified Cementitious Mortar.
- B. Or Equal

2.02 PRIMER

- A. Carboline Phenoline 311 Novolac Epoxy Phenalkamine Primer.
- B. Or Equal

2.03 LINING SYSTEM

- A. Carboline Reactamine 760 Series-Corrosion Resistant Lining System.
- B. Or Equal

PART 3 - EXECUTION

3.01 WARRANTY

Material manufacturer and installing Contractor shall guarantee, for a period of three (3) years from date first place in service the following; Chemical resistance, Temperature Resistance and Crack-Bridging of the lining as well as proper installation and bond to the concrete substrate.

3.02 SURFACE PREPARATION

- A. Install dust collection equipment; to create negative pressure (inside the Filter) and to contain all dust.

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- B. Power wash all interior surfaces with solution of water and Chlor- Rid, soluble salts remover.
 - C. Abrasively blast all surfaces to remove concrete laitance, surface contaminants and create surface profile.

3.03 SURFACE RESTORATION

- A. Restore all vertical surface imperfections, honeycombing and bug holes.
- B. Dry Film Thickness: As required to fill the void or resurface the substrate. May be applied up to 1/4" per application. Large bug holes may need additional coats or "bulking" of the material for proper fill.

3.04 PRIMER FOR SURFACE

- A. Prime all repaired surfaces.
- B. Dry Film Thickness: 2.0 to 3.0 mils per coat. Do not exceed 3.0 mils.

3.05 LINING SYSTEM

- A. Apply Reactamine lining system per manufacturer requirements, **film thickness 55-65-50 mils D.F.T..**
- B. Dry Film Thickness: 55.0 to 65.0 mils D.F.T.

END OF SECTION

SECTION 05500

METAL FABRICATIONS AND MISCELLANEOUS METALS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. The types of miscellaneous metal fabrications Work includes, but is not necessarily limited to, the following:
 - 1. Stainless Steel Structural Shapes
 - 2. Aluminum Structural Shapes
- B. Related Sections:
 - 1. Section 03315, Concrete and Grout
 - 2. Section 09900, Painting

1.02 QUALITY ASSURANCE

- A. Reference Standards: Comply with the applicable provisions and recommendations of the following, except as otherwise shown or specified:
 - 1. ASTM A 36, Structural Steel
 - 2. ASTM A 123, Zinc (Hot-Galvanized) Coatings on Products Fabricated from Rolled, Pressed, and Forged Steel Shapes, Plates, Bars, and Strip
 - 3. ASTM A 153, Zinc Coating (Hot-Dip) on Iron and Steel Hardware
 - 4. ASTM A 240, Heat Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Fusion-Welded Unfired Pressure Vessels
 - 5. ASTM A 320, Alloy Steel Bolting Material for Low Temperature Service
 - 6. ASTM A 386, Zinc Coating (Hot-Dip) on Assembled Steel Products
 - 7. ASTM B 209, Aluminum-Alloy Sheet and Plate
 - 8. ANSI A14.3, Safety Requirements for Fixed Ladders
 - 9. AWS D1.1, Structural Welding Code
 - 10. AISI Standards for Stainless Steel
- B. Design Criteria: The size and spacing of expansion bolts, anchor bolts, cast-in-place inserts and similar items shown or specified shall be considered the minimum acceptable size. Final selection of these items shall be based upon the actual design load times a minimum safety factor of four. Where the size and spacing of expansion bolts, anchor bolts, cast-in-place inserts and similar items are not shown or are not specified, CONTRACTOR shall provide such items of sufficient size, length, load carrying capacity and spacing required to carry the design load times a minimum safety factor of four. Provide non-corrosive materials for all such items.
- C. Field Measurement: Take field measurements where required prior to preparation of Shop Drawings and fabrication to ensure proper fitting of the Work.
- D. Shop Assembly: Preassemble items in the shop to the greatest extent possible, so as to

minimize field splicing and assembly of units at the project site. Disassemble units only to the extent necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.

1.03 SHOP DRAWINGS

- A. Submit copies of manufacturer's specifications, load tables, dimension diagrams, anchor details, and installation instructions for products to be used in miscellaneous metal fabrications work.
- B. Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Verify field measurements prior to submission of shop drawings to ENGINEER.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Steel Sections: ASTM A36
- B. Stainless Steel Sheet and Plate: ASTM A 240 (stainless steel Type 316 or higher)
- C. Bolts, Nuts and Washers: ASTM A307, or ASTM A 325
- D. Welding materials: AWS D1.1; type required for materials being welded.
- E. Aluminum
 - 1. Extruded shapes and tubes: ASTM B221
 - 2. Plate and sheet: ASTM B209
 - 3. Bars, rods and wire: ASTM B211
- F. Stainless Steel Fasteners and Fittings: ASTM A320 (stainless steel Type 18-10 or higher)
- G. Zinc Coated Hardware: ASTM A 153
- H. Primer: All steel shall be primed in the shop. Surface preparation and shop priming as specified in Section 09900, Painting

2.02 METAL FABRICATIONS

- A. Miscellaneous Framing and Supports:
 - 1. Provide miscellaneous metal framing, supports and other metal items required which are not a part of the structural steel framework and are required to complete the Work.
 - 2. Fabricate miscellaneous units to the sizes, shapes and profiles shown or, if not shown, of the required dimensions to receive adjacent grating, plates, tanks, doors, or other work to be retained by the framing. Except as otherwise shown, fabricate from

structural shapes, plates, and bars, of all welded construction using mitered corners, welded brackets and splice plates and a minimum number of joints for field connection. Cut, drill and tap units to receive hardware and similar items to be anchored to the Work.

- B. Primer Paint: Unless otherwise shown or specified, prepare surfaces and prime steel items as required under Section 09900, Painting, of these Specifications.
- C. Galvanizing: All galvanizing of fabricated steel items to comply with the requirements of ASTM A 123.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Obtain ENGINEER approval prior to site cutting or making adjustments not scheduled.
- B. Clean and strip site primed steel items to bare metal where site welding is scheduled.
- C. Make provisions for erection loads with temporary bracing. Keep work in alignment.
- D. Supply items required to be cased into concrete or embedded in masonry with setting templates to appropriate sections.
- E. Surface preparation and painting is required for all ferrous metals, equipment and accessories. Stainless steel shall not be painted.
- F. Galvanizing: All galvanizing of fabricated steel items to comply with the requirements of ASTM A 123.

3.02 FABRICATION

- A. Verify dimensions on site prior to shop fabrication.
- B. Fabricate items with joints tightly fitted and secured.
- C. Fit and shop assemble in largest practical sections for delivery to site.
- D. Grind exposed welds flush and smooth with adjacent finished surface. Ease exposed edges to small uniform radius.
- E. Exposed Mechanical Fastenings: Flush countersunk screws or bolts; unobtrusively located; consistent with design of structure, except where specifically noted otherwise.
- F. Make exposed joints butt tight, flush, and hairline.
- G. Supply components required for anchorage of metal fabrications. Fabricate anchorage and related components of same materials and finish as metal fabrication, except where

specifically noted otherwise. Supply sleeves as required for mounting of newel posts in concrete.

3.03 INSTALLATION

- A. Install items plumb and level, accurately fitted, free from distortion or defects.
- B. Perform field welding in accordance with AWS D1.1.
- C. After installation, touch up field welds, scratched or damaged surfaces with primer.

3.04 FINISH

- A. Clean surfaces of rust, scale, grease, and foreign matter prior to finishing.
- B. Do not prime surfaces in direct contact bond with concrete or where field welding is required.
- C. Prime paint all metal fabrications.

END OF SECTION

SECTION 09900

PAINTING

PART 1 - GENERAL

1.01 DESCRIPTION

A. Scope:

1. CONTRACTOR shall provide all labor, materials, equipment and incidentals as shown, specified and required to furnish and install all painting work.
2. The types of painting Work includes the painting and finishing of all items and surfaces throughout the project included in this Contract. Surface preparation, priming and coats of paint specified are in addition to shop priming and surface treatment specified under other sections of the Work.
3. The term "paint" as used herein means all coating systems materials, which includes pretreatments, primers, zincs, epoxies and urethanes, sealers and fillers, and other applied materials whether used as prime, intermediate or finish coats.
4. Paint all exposed surfaces whether or not colors are designated in any schedule, except where the natural finish of the material is specifically noted as a surface not to be painted. The term "exposed" as used herein means all items not covered with concrete. Ducts, conduits and other materials with corrosion resistant surfaces which are in chases, above finished ceilings, or other inaccessible areas shall not require field painting. Where items or surfaces are not specifically mentioned, paint these the same as adjacent similar materials or areas.
5. Structural and miscellaneous metals covered with concrete, shall only receive a primer compatible with the covering material.
6. Pipe markers as specified.

B. Coordination:

1. Review installation procedures under other Sections and coordinate the installation of items that must be field painted in this Section.
2. Notify other contractors in advance of the field painting to provide the other contractors with sufficient time for installation of items included in their work that must be field painted in this Section.
3. Coordinate the painting of areas that are inaccessible once equipment has been installed.
4. Provide finish coats which are compatible with the prime paints used. Review other Sections of these Specifications in which prime paints are to be provided to ensure compatibility of the total coatings system for the various substrates. CONTRACTOR shall be responsible for the compatibility of all shop primed and field painted items. Furnish information on the characteristics of the finish materials proposed to use, to ensure that compatible prime coats are used. Provide barrier coats over incompatible primers or remove and re-prime as required. Notify ENGINEER in writing of anticipated problems using the coating systems as specified with substrates primed by others.

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- C. **Painting Not Included:** The following categories of Work are not included as part of the field-applied finish Work, or are included in other Sections of these Specifications.
1. **Shop Priming:** Unless otherwise specified, shop priming of structural metal, miscellaneous metal fabrications, other metal items and such fabricated components as shop-fabricated or factory-built heating and ventilating, instrumentation and electrical equipment or accessories shall conform to applicable requirements of Section 09900, Painting but is included under the appropriate Sections of the Specification.
 2. **Pre-Finished Items:**
 - a. Items furnished with factory finishes such as baked-on enamel, plastic laminate, alkyd-urea synthetic resin, porcelain, polyvinylfluoride or other similar finishes.
 - b. Touch up factory finished items with paint supplied by the item manufacturer. CONTRACTOR shall field paint prefinished items as specified or directed by ENGINEER.
 3. **Concealed Surfaces:**
 - a. Nonmetallic wall or ceiling surfaces in areas concealed from view and generally inaccessible areas, such as furred areas, pipe spaces, duct shafts and elevator shafts, as applicable to this project.
 - b. Paint all piping, equipment, and other such items within these areas, that do not have galvanized or other corrosion resistant finish as specified.
 4. Cement plaster.
 5. Submerged or intermittently submerged concrete unless otherwise specified.
 6. Concrete floors.
 7. Millwork.
 8. Wood doors.
 9. Metal surfaces of anodized aluminum, stainless steel, chromium plate and bronze will not require finish painting, unless shown or specified.
 10. **Operating Parts and Labels:**
 - a. Moving parts of operating units, mechanical and electrical parts, such as valve and damper operators, linkages, sinkages, sensing devices, motor and fan shafts do not require painting unless otherwise specified.
 - b. Do not paint over any code-required labels, such as UL and Factory Mutual, or any equipment identification, performance rating, name, or nomenclature plates.
 - c. Remove all paint, coating or splatter inadvertently placed on these surfaces.

1.02 QUALITY ASSURANCE

- A. **Source Quality Control:** Obtain all materials from the same manufacturer unless otherwise approved. Obtain materials only from manufacturers who will:
1. Provide the services of a qualified manufacturer's representative at the project site at the commencement of Work to advise on materials, installation and finishing techniques.
 2. Certify long term compatibility of all coatings with all substrates, both new and existing.

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- B. Reference Standards: Comply with applicable provisions and recommendations of the following, except where otherwise shown or specified:
1. ANSI A13.1, Scheme for the Identification of Piping Systems.
 2. Great Lakes C Upper Mississippi River Board of State Sanitary Engineers (Ten States Standards), Recommended Standards for Water Works - 1992 Edition, Addendum No. 6, Painting of Water Works Piping for Public Water Supplies.
 3. OSHA 1910.144, Safety Color Code for Marking Physical Hazards.
 4. SSPC Volume 2, Systems and Specifications, Surface Preparation Guide and Paint Application Specifications.

1.03 SUBMITTALS

- A. Samples: Submit for approval each type of marker specified.
- B. Shop Drawings: Submit for approval the following:
1. Copies of manufacturer's technical information, including paint label analysis and application instructions for each material proposed for use.
 2. List each material and cross-reference to the specific paint and finish system and application. Identify by manufacturer's catalog number and general classification.
 3. Copies of manufacturer's complete color charts for each coating system.
 4. Pipe Markers: Copies of manufacturer's technical brochure, including color chart and list of standard markers.
 5. Maintenance Manual: Upon completion of the Work, furnish copies of a detailed maintenance manual including the following information:
 - a. Product name and number.
 - b. Name, address and telephone number of manufacturer and local distributor.
 - c. Detailed procedures for routine maintenance and cleaning.
 - d. Detailed procedures for light repairs such as dents, scratches and staining.
- C. Test Reports: Submit for approval certified laboratory test reports for required performance tests.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Delivery of Materials: Deliver all materials to the job site in original, new and unopened packages and containers bearing manufacturer's name and label, and the following information:
1. Name or title of material.
 2. Manufacturer's stock numbers and date of manufacture.
 3. Manufacturer's name.
 4. Contents of volume, for major pigment and vehicle constituents.
 5. Thinning instructions where recommended.
 6. Application instructions.
 7. Color name and number.

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- B. Storage of Materials: Store only acceptable project materials on project site.
 - 1. Store in a suitable location approved by ENGINEER. Keep area clean and accessible.
 - 2. Restrict storage to paint materials and related equipment.
 - 3. Comply with health and fire regulations including the Occupational Safety and Health Act of 1970.
 - C. Handling of Materials.
 - 1. Handle materials carefully to prevent inclusion of foreign materials.
 - 2. Do not open containers or mix components until necessary preparatory Work has been completed and application Work will start immediately.

1.05 JOB CONDITIONS

- A. Existing Conditions:
 - 1. Before painting is started in any area, it shall be clean and completely free of dust.
- B. Environmental Requirements:
 - 1. Apply water-base paints only when the temperature of surfaces to be painted and the surrounding air temperatures are between 55⁰F and 90⁰F unless otherwise permitted by the paint manufacturer's printed instructions.
 - 2. Apply other paints only when the temperature of surfaces to be painted and the surrounding air temperatures are between 55⁰F and 95⁰F, unless otherwise permitted by the paint manufacturer's printed instructions.
 - 3. Do not apply paint in snow, rain, fog, or mist; or when the relative humidity exceeds 85%; or to damp or wet surfaces.
 - 4. Painting may be continued during inclement weather only if the areas and surfaces to be painted are enclosed and heated within the temperatures limits specified by the paint manufacturer during application and drying periods.
 - 5. Anticipate dew or moisture condensation and delay painting until it can be determined with certainty that the surfaces will be dry during the painting operation.
 - 6. Temperature of the surface shall be at least 5F above the dew point temperature. Each day's painting shall be completed well in advance of probable time of day when condensation will occur in order to permit the required film drying time prior to formation of moisture.
 - 7. Adequate illumination and ventilation shall be provided in all areas where painting operations are in progress.
 - 8. Brush coat all weld seams, angles, and sharp edges with intermediate coat prior to application of the final coat.
 - 9. Install piping markers only after all painting and finish Work has been completed.
- C. Protection: Cover or otherwise protect finished work of other trades and surfaces not being painted concurrently or not to be painted.

PART 2 - PRODUCTS

2.01 MATERIAL QUALITY

- A. Manufacturer: Provide products of one of the following:
 - 1. Tnemec Company, Inc. (for specialty and high performance coating)
 - 2. Or equal.
- B. Provide manufacturer's best grade of the various types of coatings suitable for use in wastewater treatment plants and pumping stations as regularly manufactured by acceptable paint materials manufacturers. Materials not displaying the manufacturer's identification as a standard, best-grade product will not be acceptable.
- C. Provide primers produced by the same manufacturer as the finish coats. Use only thinners recommended by the paint manufacturer, and use only to recommended limits.
- D. Provide paints, and pipe markers of durable and washable quality. Use materials which will withstand normal washing as required to remove grease, oil, chemicals, etc., without showing discoloration, loss of gloss, staining, or other damage.

2.02 SUBSTITUTIONS

No substitutions shall be considered that decrease the film thickness, the surface preparation or the generic type of coating specified. No substitutions will be considered that do not meet or exceed the performance standards of the specified material. Approved manufacturers must furnish the same color selection as the manufacturers specified, including accent colors and custom colors in all coating systems.

2.03 COLORS AND FINISHES

- A. Surface treatment and finishes are shown under "Painting Systems" below. All substrates scheduled under "Painting Systems" shall be painted whether or not shown on the Drawings, or in schedules, unless an item is specifically scheduled as not requiring the painting system scheduled below.
- B. Color Selection:
 - 1. A maximum of 20 different colors shall be selected for the project, in addition to color coding of all piping and ducts.
 - 2. OWNER reserves the right to select non-standard colors for all paint systems specified within the ability of the manufacturer to produce such non-standard colors. Selection of non-standard colors shall not be cause for CONTRACTOR rejecting OWNER'S color selections and CONTRACTOR shall provide such colors at no additional expense to the OWNER.
- C. After approval of submittals and prior to beginning Work, ENGINEER will furnish color schedules for surfaces to be painted listed in the painting systems below.

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- D. Color Coding: In general, and unless otherwise specified, all color coding of piping, ducts and equipment shall comply with applicable standards of ANSI A13.1 and OSHA 1910.144.
 - E. Use representative colors when preparing samples for ENGINEERS' review.
 - F. Color Pigments: Pure, nonfading, applicable types to suit the substrates and service indicated.
 - 1. Lead: Lead content shall not exceed amount permitted by federal, state and local government laws and regulations.
 - 2. Mercury: Mercury content shall not exceed amount permitted by federal, state and local government laws and regulations.
 - 3. Paints specified for application in contact with potable water shall be approved by the United States Environmental Protection Agency and the National Sanitation Foundation.
 - G. Submit proposed application techniques to ENGINEER. Submit proof of acceptability, of technique proposed, by the paint manufacturer selected.

2.04 PAINTING SYSTEMS

- A. Submerged or Intermittently Submerged Ferrous Metals and Piping; Interior and Exterior:
 - 1. Surface Preparation: SSPC-SP 10 White Metal Blast Cleaning with a 2.0 mil minimum anchor profile.
 - 2. Product and Manufacturer: Provide the following:
 - a. Tnemec:
 - (1) Primer: Immediately after abrasive blasting and before any rusting occurs (within 12 hours maximum) C Series 94-H2O Hydro-Zinc 1 coat, 2.5-3.5 mils.
 - (2) Intermediate Coat: Series 20-1255 Pota-Pox: 1 coat 4.0-6.0 mils.
 - (3) Finish: Series 20-WH02 Pota-Pox 1 coat, 4.0-6.0 mils.
 - (4) The total dry mils thickness shall be 10.5 to 15.5 mils.
- B. Ferrous Metals including all Structural Steel, Miscellaneous Ferrous Metals, and all Ferrous piping, Exterior Non-Submerged:
 - 1. Surface Preparation:
 - a. Ferrous Metals: SSPC-SP 6 Commercial Blast Cleaning as specified in 3.02.B.
 - b. Non-Ferrous Metal: SSPC-SP 1 Solvent Cleaning as specified in 3.02.E and 3.02.C.
 - 1. Product and Manufacturer: Provide the following:
 - a. Tnemec:
 - (1) Primer: Immediately after abrasive blasting and before any rusting occurs (within 12 hours maximum) Series 90-1K-97 Tneme-Zinc 1 coat, 2.5-3.5 mils per coat.
 - (2) Intermediate Coat: Series 66 Hi-Build Epoxoline 1 coat, 3.0-3.5 mils per coat.
 - (3) Field Finish Coat: Series 740 Endura-Shield 1 coat, 2.5-3.5 mils per coat.
 - (4) The total dry mils thickness shall be 8.0 to 10.5 mils.

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- C. PVC Piping, Fiberglass, Fiberglass Insulation Covering; Interior or Exterior:
1. Surface Preparation: Sand as specified in 3.02.D.
 2. Product and Manufacturer: Provide one of the following:
 - a. Tnemec: Finish: 66 Hi-Build Epoxoline C 2 coats, 2.0-3.0 dry mils per coat. Total dry mils thickness shall be 4.0 to 6.0 mils.
 - b. Or equal.

2.04 PIPING MARKERS

- A. Manufacturer: For all interior piping installed this project, provide products produced by one of the following:
1. W. H. Bradey Company.
 2. Seton Name Plate Corporation.
 3. Or equal.
- B. General:
1. Piping markers shall be formed from laminated plastic. All printing shall be sealed with a formed butyrate plastic film. Markers for piping up to 6-inch diameter shall be preformed to completely wrap around the pipe requiring no adhesive. Markers for pipes over 6-inch diameter shall be preformed to the contour of the pipe and attached with stainless steel spring fasteners.
 2. For pipes under 6-inch outside diameter: Provide brass tags, 1 1/2-inch diameter, with depressed 3/8-inch high black filled letters above 2-inch high black filled numbers.
 3. Each marker shall consist of at least 1 legend descriptive of the function of the pipe, and a directional arrow.
 4. The size of lettering and marker shall conform to ANSI A13.1.
 5. Location of Markers:
 - a. Adjacent to each valve and "T" connection.
 - b. At each branch and riser takeoff.
 - c. At each pipe passage through a wall, floor and ceiling.
 - d. On all horizontal and vertical pipe runs at 25-foot intervals.
- C. For all exterior piping installed this project, provide stenciled lettering and directional arrow to identify exposed pipe in lieu of laminated plastic. Lettering to be black or white paint conforming with paragraph 2.04.C of this Section.

PART 3 - EXECUTION

3.01 INSPECTION

- A. CONTRACTOR and his applicator shall examine the areas and conditions under which painting Work is to be performed and notify ENGINEER in writing of conditions detrimental to the proper and timely completion of the Work. Do not proceed with the Work until unsatisfactory conditions have been corrected in a manner acceptable to ENGINEER.

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- B. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions otherwise detrimental to the formation of a durable paint film.

3.02 SURFACE PREPARATION

A. General:

1. Perform all preparation and cleaning procedures as specified herein and in strict accordance with the paint manufacturer's instructions for each particular substrate and atmospheric condition.
2. Remove all hardware, hardware accessories, machined surfaces, plates, lighting fixtures, and similar items in place and not to be finish painted, or provide surface applied protection prior to surface preparation and painting operations. Remove, if necessary, for the complete painting of the items and adjacent surfaces. Following completion of painting of each space or area, reinstall the removed items by workmen skilled in the trades involved.
3. Clean surfaces to be painted before applying paint or surface treatments. Remove oil and grease with clean cloths and cleaning solvents prior to mechanical cleaning. Program the cleaning and painting so that dust and other contaminants from the cleaning process will not fall in wet, newly painted surfaces.
4. All surfaces which were not shop painted or which were improperly shop painted, and all abraded or rusted shop painted surfaces, which are to be painted, as determined by ENGINEER, shall be prepared as specified below.

B. Ferrous Metals:

1. Clean non-submerged ferrous surfaces including structural steel and miscellaneous metal to be shop primed, of all oil, grease, dirt, mill scale and other foreign matter by commercial blast cleaning complying with SSPC-SP 6.
2. Clean submerged ferrous surfaces including structural steel and miscellaneous metal to be shop primed, of all oil, grease, dirt, mill scale and other foreign matter by white Metal blasting complying with SSPC-SP 5.
3. Clean nonsubmerged, ferrous surfaces that have not been shop coated of all oil, grease, dirt, mill scale and other foreign substances by commercial blasting, complying with SSPC-SP 6.
4. Clean submerged ferrous surfaces that have not been shop-coated or that, in the opinion of ENGINEER, have been improperly shop coated, of all oil, grease, dirt, mill scale and other foreign matter by white metal blasting complying with SSPC-SP 5.
5. Touch-up shop-applied paint coats which have damaged or bare areas, with primer recommended by the coating manufacturer after commercial blasting complying with SSPC-SP 6.

C. Non-Ferrous Metal Surfaces: Clean non-ferrous metal surfaces in accordance with the coating system manufacturer's instructions for the type of service, metal substrate, and application required.

D. PVC Piping and Fiberglass: Lightly sand and clean all surfaces to be painted.

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- E. Covering on Pipe: Clean free of oil and surface contaminants as recommended by the coating manufacturer for substrate and application required. Do not cut or damage the insulation in any way.

3.03 MATERIALS PREPARATION

A. General:

1. Mix and prepare painting materials in strict accordance with the manufacturer's directions.
2. Do not mix coating materials produced by different manufacturers, unless otherwise permitted by the manufacturer's instructions.
3. Store materials not in actual use in tightly covered containers. Maintain containers used in storage, mixing, and application of paint in a clean condition, free of foreign materials and residue.
4. Stir all materials before application to produce a mixture of uniform density, and as required during the application of the materials. Do not stir any film which may form on the surface into the material. Remove the film and, if necessary, strain the material before using.
5. Mixing:
 - a. Mix only in containers placed in suitable sized non-ferrous or oxide resistant metal pans to protect concrete floor from splashes or spills which could stain exposed concrete or react with subsequent finish floor material.
 - b. Mix and apply paint only in containers bearing accurate product name of material being mixed or applied.

3.04 APPLICATION

A. General:

1. Apply paint by brush, roller, air spray, or airless spray in accordance with the manufacturer's directions and recommendations of Paint Application Specifications No. 1 in SSPC Vol. 2, where applicable. Use brushes best suited for the type of material being applied. Use rollers of carpet, velvet back, or high pile sheep's wool as recommended by the paint manufacturer for material and texture required. Use air spray and airless spray equipment recommended by the paint manufacturer for specific coating system specified. Submit a list of application methods proposed, listing paint systems and location.
2. The paint film thickness required is the same regardless of the application method. Do not apply succeeding coatings until the previous coat has completely dried.
3. Apply additional coats when undercoats, stains, or other conditions show through the final coat of paint, until the paint film is of uniform finish, color and appearance. This is of particular importance regarding intense primary accent colors. Insure that all surfaces, including edges, corners, crevices, welds, and exposed fasteners receive a film thickness equivalent to that of flat surfaces.
4. Surfaces not exposed to view do not require color coding but require the same coating system specified for exposed surfaces. "Exposed to view surfaces" is defined as those areas visible when permanent or built-in fixtures convector covers, covers, covers for finned tube radiation, grilles, etc. are in place in areas scheduled to be painted.

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5. Paint interior surfaces of ducts, where visible through registers or grilles, with a flat, non-specular black paint as specified, before final installation of equipment. Paint aluminum parts in contact with dissimilar materials as specified with appropriate primer.
 6. Omit field primer on metal surfaces which have been shop primed.
 7. Paint the backs of access panels, and removable or hinged covers to match the exposed surfaces.
 8. No finish painted surface shall exhibit holidaying, brush marks, runs, drips, or sags. If any or all of these surface imperfections are encountered then the finish surface will be required to be touched-up or the substrate refinished and finish coating reapplied.
- B. Heating, Ventilating, Air Conditioning and Electrical Work:
1. Heating, ventilating, and air conditioning items to be painted include, but are not limited to, the following:
 - a. Piping, pipe hangers, and supports;
 - b. Heat exchangers;
 - c. Tanks;
 - d. Ductwork and insulation;
 - e. Motors, mechanical equipment, and supports;
 - f. Accessory items;
 2. Electrical items to be painted include, but are not limited to, the following:
 - a. Conduit and fittings;
 - b. Switchgear, panels, junction boxes, motor control centers, motors and accessories.
- C. Minimum Coating Thickness:
1. Apply each material at not less than the manufacturer's recommended spreading rate, and provide total dry film thickness as specified.
 2. Apply extra coat if required to obtain specified total dry film thickness.
- D. Scheduling Painting:
1. Apply the first-coat material to surfaces that have been cleaned, pretreated or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.
 2. Allow sufficient time between successive coatings to permit proper drying. Do not recoat until paint has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and the application of another coat of paint does not cause lifting or loss of adhesion of the undercoat.
- E. Prime Coats: Recoat primed and sealed walls and ceilings where there is evidence of suction spots or unsealed areas in first coat, to assure a finish coat with no burn-through or other defects caused by insufficient sealing.
- F. Pigmented (Opaque) Finishes: Completely cover to provide an opaque, smooth surface of uniform finish, color, appearance, and coverage.
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G. Transparent (Clear) Finishes:

1. On exposed to view portions, use multiple coats to produce glass-smooth surface film continuity of even matt luster. Provide a finish free of laps, cloudiness, color irregularity, runs, brush marks, orange peel, nail holes, or other surface imperfections.
2. Provide satin finish for final coats, unless otherwise indicated.

H. Brush Application:

1. Brush-out and work all brush coats onto the surfaces in an even film. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable. Neatly draw all glass and color break lines.
2. Brush apply all primer or first coats, unless otherwise permitted to use mechanical applicators.

I. Mechanical Applicators:

1. Use mechanical methods for paint application when permitted by governing ordinances, paint manufacturer, and approved by ENGINEER. If permitted, limit to only those surfaces impracticable for brush applications.
2. Limit roller applications, if approved by ENGINEER, to interior wall finishes for second and third coats. Apply each roller coat to provide the equivalent hiding as brush-applied coats.
3. Confine spray application to metal framework, siding, decking, wire mesh and similar surfaces where hand brush work would be inferior and to other surfaces specifically recommended by paint manufacturer.
4. Wherever spray application is used, apply each coat to provide the equivalent hiding of brush-applied coats. Do not double back with spray equipment for the purpose of building up film thickness of 2 coats in one pass.

J. Completed Work: Match approved samples for color, texture and coverage. Remove, refinish, or repaint Work not in compliance with specified requirements as required by ENGINEER.

K. Piping Markers: Apply piping markers in accordance with the manufacturer's written instructions in locations herein specified.

L. Testing: The CONTRACTOR shall furnish an "Elcometer" as distributed by Gardner Laboratories, Bethesda, MD, or a "Mikrotest", as distributed by the Nordsen Equipment Company, Amherst, Ohio, to the ENGINEER to check dry mil thickness. The thickness gauge is to come with a carrying case and operating instructions. The CONTRACTOR shall provide a Holiday tester when requested by the ENGINEER.

3.05 PROTECTION

A. Protect work of other trades, whether to be painted or not, from the Work of this Section. Leave all such work undamaged. Correct all damages by cleaning, repairing or replacing, and repainting, as acceptable to ENGINEER.

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- B. Provide "Wet Paint" signs as required to protect newly painted finishes. Remove all temporary protective wrappings provided for protection of this Contract and other contracts after completion of painting operations.

3.06 CLEAN-UP

- A. During the progress of the Work, remove from the site all discarded paint materials, rubbish, cans and rags at the end of each work day.
- B. Upon completion of painting Work, clean all paint-spattered surfaces. Remove spattered paint by proper methods of washing and scraping, using care not to scratch or otherwise damage finished surfaces.
- C. At the completion of work of other trades, touch-up and restore all damaged or defaced painted surfaces as determined by ENGINEER.

3.07 PROCESS PIPING COLOR SCHEDULE

PAINT AND COLOR CODING SCHEDULE

<u>Piping and Legend</u>	<u>Color</u>	<u>Bands</u>
Filter Effluent (Potable Water)	Dark Blue	--
Filter Influent	Aqua	--
Backwash Supply	Aqua	--
Backwash Drain	Light Brown	--
Filter-to-Waste	Light Brown	--

END OF SECTION

SECTION 13200

FILTRATION SYSTEM

PART 1.0 GENERAL

1.01 SCOPE OF WORK

A. Work Included

All of the equipment described in this section shall be supplied by a single underdrain manufacturer regularly engaged in that business. This section requires the furnishing and installation of one filter as shown on the contract drawings. Each filter is 12' x 24'. The equipment to be supplied shall consists of:

1. Filter underdrain with Media Support Layer.
2. Filter media.
3. FRP wash water troughs.
4. Filter controls and field instrumentation.

B. References

1. NSF - Standard 61 - Drinking Water Systems Components - Health Effects.
2. AWWA B100 Water Treatment Filtering Material latest edition.
3. ANSI/AWWA F101 Contact-Molded, Fiberglass-Reinforced Plastic Washwater Troughs and Launderers.
4. ANSI/AWWA F102 Matched-Die-Molded, Fiberglass-Reinforced Plastic Weir Plates Scum Baffles and Mounting Brackets.
5. ASTM Standards listed in Section 1.4.H, Table 1.

1.02 PERFORMANCE AND DESIGN REQUIREMENTS

A. General Requirements

1. The filter underdrain system shall be designed and installed to ensure long term stability in its operating characteristics. It shall be resistant to changes in head loss, flow uniformity, and any other effects which would in time cause loss of efficiency or effectiveness in its operation.
2. The underdrain system is intended to allow for the uniform collection of filtered water and uniform distribution of backwash water and air over the total area of the filter floor.
3. The backwash system shall allow for separate air scouring and water backwashing and for the simultaneous use of air and water at the specified rates.
4. The system shall be designed to avoid localized areas of excessive flow (maldistribution) which may cause mounding, lateral displacement, or other deleterious disturbances in the filter media.
5. When subjected to a flow rate of 20 gpm/sf (48.9 m/h) of filter area the headloss through an underdrain lateral 16 feet (4.8 m) long shall not exceed 36 inches (910 mm) water column when the water temperature is approximately 60° F (16° C). This does not include head losses for special feed arrangements.

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6. To ensure the underdrain will control distribution (limit maldistribution) and not be over-powered by the media headloss, the minimum headloss through the orifices (primary and secondary) of an individual underdrain block shall not be less than 20 inches (510 mm) water column at a backwash flow rate of 20 gpm/sf (48.9 m/h) of filter area when the water temperature is approximately 60°F (16° C).
 7. The filters shall consist of 12" inches of silica sand media, and 24" inches of anthracite media.
 8. An air scour system at the rate of 4 Scfm/sf shall be supplied to ensure optimum cleaning.
 9. The washwater troughs shall be as described in the contract plans and specifications. Trough carry off capacity shall be 1,500 gpm with a freeboard of at least 2 inches (50 mm). Adjustable straight edge weir plates, if required, shall be of fiberglass reinforced polyester laminate made by the matched die method.
 10. A complete PLC based filter control system shall be provided for controlling and monitoring the operation of the filter system. The control system shall be supplied by the filter equipment supplier and shall include all instrumentation, equipment, and programming required for a complete and operational filter control system.
- B. Design Flow Rates: The filter underdrain system shall be furnished and installed to perform satisfactorily and as specified when operated under the following conditions:
1. Downflow of filtered water up to 10 gpm/sf (24.5 m/h) .
 2. Upflow of backwash air at a rate in the range of 1 to 5 scfm/sf (18.3 - 91.5 m/h).
 3. Upflow of backwash air, together with backwash water. Typical recommended combined air and water rates: 4 scfm/sf (73.2 m/h) and 5 gpm/sf (12.3 m/h). (Confirm other combinations with the factory).
 4. Upflow of backwash water up to 25 gpm/sf (61 m/h). (Contact the factory for higher rates).
- C. Flow Distribution: The filter underdrain system, as installed, shall provide acceptable flow uniformity. Maldistribution (MD) of air and water flows during backwash shall be as follows:
1. Lateral Water MD: The maldistribution in a lateral 16 feet (4.8 m) long or less shall not exceed +/- 2 percent of the average gpm/sf of filter for a backwash rate of 20 gpm/sf (48.9 m/h).
 2. Flume Water MD: Note, additional maldistribution, due to specific flume arrangement, entry conditions into both flume and underdrain laterals and flow velocities, must be considered.
 3. System Air MD: Visually, the air should show a uniform pattern.
- D. Structural Design Requirements
1. General: The filter underdrain system, including anchorage, supports, etc. shall be designed to safely withstand loadings for the specified conditions.
 2. Internal Loading: The filter underdrain system, when installed, shall be designed for a net internal loading during backwash of the greater of either 600 psf (28.7 kpa) or 200 percent of the maximum pressure at maximum backwash rates. No credit shall be taken for the weight of gravel or filter media.
 3. Downward Load: The filter underdrain system shall also be designed to withstand a net downward loading of not less than 1,400 psf (67 kpa).
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- E. Air Temperature: During backwash with air, the underdrain shall be suitable to withstand a maximum air temperature of 200° F (93 C).

1.03 QUALITY ASSURANCE

- A. Manufacturer: The filter system shall be supplied by one manufacturer that shall assume total responsibility for the parts operating as a whole and shall be manufactured by ITT Water and Wastewater Leopold, Inc., Zelienople, PA.
- B. Experience: The filter system shall be a standard product of a filter manufacturer who has been actively providing dual-parallel lateral air/water underdrain equipment for at least 15 years. Upon request, the filter manufacturer will provide the ENGINEER with a list of installations of underdrain which totals not less than 200.
- C. NSF Certification: All materials used in contact with the water and backwash air shall meet National Sanitation Foundation (NSF) Standard 61 Drinking Water System Components - Health Effects.
- D. Underdrain: The dual-parallel block units with integral flow metering elements and any specialties required for installation such as special anchorage, grout retaining strips, closures, gaskets, etc., shall be the products of a single manufacturer/supplier.
- E. Hydraulic Demonstration
1. The filter manufacturer shall, at their own facilities, if requested by the ENGINEER, set up a test lateral run of equal length to that required by the project and provide an opportunity for the ENGINEER and/or OWNER to visit the facility to witness a full scale demonstration of the headloss and flow distribution during backwash.
 2. The test facility shall be capable of demonstrating concurrent air and water distribution in a submerged trough and water only distribution on a non-submerged test bench.
 3. These demonstration services shall be provided by the filter manufacturer with reasonable notice and at no additional expense to the OWNER or ENGINEER.
- F. Media: The filter equipment manufacturer shall furnish a Quality Control Manual demonstrating that the filter media to be furnished will comply with the requirements of the contract specifications. The Quality Control Manual will define the following:
1. Qualification of the raw feedstock
 2. Control procedures at the screening mill
 3. Independent testing laboratories
 4. Packaging definition
 5. Purchase orders
 6. Storage procedures
- G. Filter Control System: The filter control system shall be supplied by the filter system manufacturer and shall be a standard product of the manufacturer. The control system shall be the FilterWorx™ Automatic Control System as supplied by ITT Water and Wastewater Leopold, Inc., Zelienople, PA.

1.04 SUBMITTALS

- A. Submit to the engineer complete shop drawings showing details of fabrication, materials of construction, installation and leveling data of all items furnished under this section.
- B. Details submitted shall include as a minimum, headloss data for air, water and combined air/water backwash, structural design calculations, installation details, flow distribution calculations, certification of compatibility of the underdrain system with the filter media specified in this section, details for installing reinforcing and other items to be embedded in concrete.
- C. Testing Procedures: Detailed start-up, hydraulic, and air scour test procedures.
- D. Proper documentation showing NSF-61 certification of all underdrain components.
- E. The media submittal and technical information will be provided and approved by a licensed engineer regularly employed by the filter manufacturer. The engineer shall have at least 15 years experience in water treatment. All submittal shall include the following information as a minimum:
 - 1. Supplier's Name
 - 2. Resume of Engineer Providing Submittal
 - 3. Quality Control Manual
 - 4. Gradation of Each Media Type
 - 5. Date of Sampling/Lot Number
 - 6. Samples of Each Media Type (If Required)
 - 7. Representative Sample Analysis, (i.e. effective size, uniformity coefficient, specific gravity, acid solubility and MOH hardness for Anthracite only.)
 - 8. Material Quantities
 - 9. Diagram with Type of Material and Depth of Each
 - 10. Estimated Shipping Schedule
 - 11. Media Loading Procedure
 - 12. All testing shall conform to the requirements of the latest edition of AWWA B100.
- F. Wash Water Trough Testing
 - 1. Manufacturer shall, upon request, furnish the Engineer with certified test reports consisting of the mechanical and physical tests listed below.
 - 2. Procedure to be used in determining the properties listed in Table 1 below shall be in accordance with latest ASTM standards: Ultimate Tensile Strength - ASTM Designation D638; Flexural Strength - ASTM Designation D790; Modulus of Elasticity - ASTM Designation D790; Hardness - ASTM Designation D2583; Water Absorption - ASTM Designation D570.
 - 3. Hardness tests shall be made on the resin-rich surface of the product.
 - 4. Flexural tests shall be made with resin-rich surface in compression.
 - 5. Test samples shall be full thickness of the item produced and shall not be machined on the surface.
 - 6. Mechanical and physical properties shall conform to those of Table 1 and according to ANSI-AWWA specification F101 Table 4 - Minimum Physical Properties of Laminates.

TABLE 1**LAMINATE MECHANICAL AND PHYSICAL PROPERTIES 73°F (23°C)**

	<u>ASTM Test Method</u>	<u>For 1/4" (6 mm) wall Thickness</u>
Ultimate Tensile Strength PSI x 10 ³ (Kg/cm ²) min	D638	12 (844)
Flexural Strength PSI x 10 ³ (Kg/cm ²) min	D790	19 (1336)
Flexural Modulus Of Elasticity PSI x 10 ⁶ (Kg/cm ²) min	D790	0.9 (63.3 x 10 ³)
Barcol Hardness (min)	D2583	35
Water Absorption - % (max.)	D570	0.2

- G. Filter Control System: The manufacturer shall submit to the engineer complete shop drawings showing all control panel layouts, schematics, bills of material, instrumentation and equipment data sheets, applicable calculations, and description of operation.

1.05 SHIPMENTS

- A. Media materials will not be shipped until the submittal is approved by the Owner. Approval of the submittal, including the Quality Control Manual, samples and independent testing, shall constitute acceptance of the media.
- B. The schedule of work shall be submitted to the Owner for approval prior to commencement of work.
- C. The contractor shall be responsible for coordinating the shipment of supplies of materials and equipment specified herein. Coordination will be required during demolition, construction, start-up, and/or testing.
- D. The Owner shall provide storage space for gravel and filter media and protect it from exposure to sunlight if stored for more than two weeks. Paper bags (if used) shall be protected from moisture at all times.
- E. The contractor shall be responsible for storage of the filter control system equipment. The storage area shall be indoors, reasonably dust-free and protected from exposure to water or any corrosive materials.

PART 2 - PRODUCTS

A. Underdrain

1. The underdrain system for the filters shall be a dual parallel lateral type with an integral media support cap whereby feeder and compensating chambers are provided within the cross section of a single block. The cross section of the underdrain shall be so arranged that the feeder (or primary) chamber is adjacent and connected to the compensating (or secondary) chambers through a series of orifices. The orifices shall be located at four different elevations and sized to provide uniform distribution of air and water. All internal orifices shall be integrally molded to provide a smooth bore orifice. Underdrains requiring secondary drilling procedures will not be considered acceptable. The primary chamber should provide at least 30 square inches (190 square cm) of cross sectional area per block to reduce flow velocity during backwash.
2. The compensating chambers shall provide the essential uniform pressure and flow distribution from the top of the blocks. The discharge flow from the top of the blocks into the filter bed shall be provided by approximately twenty-three dispersion orifices per square foot of filter area. The orifices shall be not less than 7/32 inches (5.5 mm) diameter to prevent clogging and shall be recessed from the surface by approximately 1/8 inch (3.2 mm). The top of each orifice shall be encircled by a depression approximately 3/8 inch (9.5 mm) x 3/4 inch (19 mm), which shall act to prevent the gravel support media from resting directly on and thereby blocking the dispersion orifice.
3. The underdrain shall have a horizontal flat top discharge surface, so that the finished filter bottom is essentially flat, with above stated dispersion orifices for uniform energy intensity of air and water coverage which direct flow vertically for effective penetration and cleaning of the media.
4. A water recovery channel with return holes shall be incorporated into the top of the underdrain block to ensure uniform and continuous air flow from the top deck orifices and provide greater air stability. Underdrains without a water recovery channel will not be considered acceptable.
5. The secondary chambers of the underdrain shall have baffles sized and located to provide effective air control and to reduce level sensitivity. Underdrains without baffles will not be considered acceptable.

B. Air Header

1. Because the proper distribution of air into the underdrain has a significant effect upon operation, the filter manufacturer shall have the responsibility to design and provide the air distribution header for this underdrain.

C. Filter Media

1. Filter sand shall be composed of hard, durable clean siliceous particles, free of all mica with an average specific gravity of 2.6 (+/-0.05) and shall be in strict accordance with AWWA B100, and have an effective size of 0.44-0.55 mm, and a uniformity coefficient of 1.40 or less, for a finished depth after backwashing and scraping and removal of fines and debris of 12 inches (305 mm). For depths up to 12 inches (305 mm), a 1/2-inch (13 mm) skimming allowance shall be provided.
2. Filter anthracite shall be composed of specially selected and graded hard, durable

anthracite coal particles. The anthracite shall be composed entirely of deep mined material. A quality control manual shall be included to show the source of the material and the quality of the material produced. The anthracite shall have an average specific gravity of 1.65 (+/-0.05) with a hardness (MOH scale) of 2.7 or more and shall be essentially free of iron, clay, shale, extraneous dirt, and excessive dust with moisture less than 4.0 percent as shipped. The anthracite shall be in accordance with AWWA B100, and have an effective size of 0.95-1.05 mm, and a uniformity coefficient of 1.40 or less for a finished depth after backwashing and scraping and removal of fines and debris of 24 inches. A skimming allowance of 1 inch (25mm) shall be provided.

D. Fiberglass Wash Water Troughs

1. Loadings - The troughs shall be designed to support, within stress and deflection limitation, the following loadings:
 - a. Gravity Load - Downward vertical loads shall include the weight of the trough and appurtenant attachments, such as weir plates and the spreader bars, together with the weight of water to fill the trough. Any additional loads, such as piping, etc., shall also be considered.
 - b. Buoyant Load - The buoyant load shall act vertically upward, its magnitude equal to the weight of displaced water (trough weight neglected). The line of action passes through the centroid of the submerged cross-sectional area.
 - c. Lateral Load - Loads acting against the trough side walls; specifically, those induced by differential water levels on either side of the trough walls. The maximum possible differential, existing when the trough is empty and the tank is full, or when the trough is full and when the tank is empty, shall be used when calculating deflection, fiber stress, etc.
2. Thermal Stresses - The troughs shall be designed to accommodate temperature induced stresses resulting from differences in coefficients of thermal expansion (contraction) between the trough and tank/support materials.
3. Torsional Stability - The trough system shall be designed to resist torsional oscillations induced by the flow of water over trough edges. Any or all of the following trough stabilization techniques shall be considered:
 - a. Trough-to-trough stabilization
 - b. Torsional stiffness
 - c. Support spacing and rigidity
 - d. Internal baffles and/or flow straighteners
4. Deflection Under Load - Maximum vertical deflection under full buoyant or gravity load shall be less than or equal to $L/1000$, where L is defined as the unsupported trough length in inches (mm). Under no circumstances shall the maximum vertical deflection, measured at mid-point between trough supports, exceed 3/16 inch (4.8 mm).

Maximum trough side wall horizontal deflection under full lateral load shall be less than or equal to $D/100$, where D is defined as the trough depth, in inches (mm). Under no circumstances shall the maximum bottom deflection exceed 3/16 inch (4.8 mm).

Trough bottom deflection (oil canning) under full buoyant or gravity load shall be

less than or equal to $W/100$, where W is defined as the trough width, in inches (mm). Under no circumstances shall the maximum bottom deflection exceed 3/16 inch (4.8 mm).

5. Fiber Stress Limitations - Supplemental to the deflection criteria, the troughs shall also be designed such that the maximum wall stress under the most severe loading conditions is less than or equal to 1500 psi (10342 kpa). This stress criterion is equivalent to 7:1 safety factor (approximate) as applied to the tensile and flexural properties of contact molded troughs and launders.
6. Thermal Expansion/Contraction - The troughs shall be designed to accommodate a thermally induced expansion (contraction) of 1/8 inch (3.2 mm) per 20 feet (6.1 m) length of trough over temperature range of 10° F (-12° C) to 100° F (38° C), without exceeding the deflection or strain limitations set forth in the preceding sections.

E. Filter Control System

A complete filter control system shall be provided. The control system shall be the FilterWorx™ Automatic Control System and shall include all equipment and instrumentation required for a complete and operational filter system. As a minimum, the control system shall consist of the following:

- 6 AFC® 5000 Filter Control Consoles (one for each filter)
- 7 venturi flow meters (one for each filter effluent & one for backwash)

One (1) lot of field instrumentation as outlined in paragraph 2.1 of this section

All equipment and instrumentation shall be supplied in accordance with the requirements in paragraph 2.1 of this section.

2.01 MATERIALS AND CONSTRUCTION

A. Underdrain

1. Material: The individual blocks used in the system shall be of impervious high strength, completely corrosion-resistant, high-density polyethylene (HDPE) material. The blocks shall be resistant to erosion and corrosion and have uniform smooth surfaces.
2. Dimensions: The block size and weight shall permit ease of handling and installation. The block nominal dimensions shall be 8 inches (203 mm) high by 11 inches (279 mm) wide by 48 inches (1220 mm) long. The weight of the block shall be approximately 19 pounds (6.8 kg). One-piece extruded underdrain will not be considered acceptable.
3. Block Geometry: The blocks shall be essentially rectangular in shape with dispersion orifices located in the top flat surface. The blocks shall have ridges and pockets for structural rigidity. The sides of the block shall have grout lock-in lugs to key into surrounding grout so that the walls can bond with the grout.

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4. Lateral Construction: The blocks shall be arranged end-to-end and mechanically joined to form continuous underdrain laterals approximately equivalent to the length of the filter cell. The joints shall be sealed utilizing only one (1) O-Ring seal, bell and spigot type with internal alignment tabs for proper joint alignment, and be air and water-tight. Joints shall be of snap-lock type so that the blocks are joined with integral interlocking snap lugs and lug receptors for ease of assembly and installation of the laterals. One-piece extruded underdrain will not be considered acceptable.
 5. Media Support Layer (MSL): The MSL shall be constructed of HDPE plastic beads sintered together and sealed to the top of the underdrain. The pore size and pore volume shall be sufficient to prevent the media from obstructing or passing through the underdrain. The MSL shall replace the need for support gravel and shall not increase the underdrain height by more than 1 inch (25 mm). The cap shall be attached to the underdrain at the factory by type 316 stainless steel self tapping screws and sealed with Leoflex™ caulking.

B. Air Header

1. General: The air distribution system shall be generally comprised of a corrosion resistant header specially calibrated to evenly distribute air flow via properly located drop pipes to each underdrain lateral. Sufficient relative velocities shall be maintained in both the header and riser pipes to insure proper distribution of air.
2. Material: The air header piping shall be Sch. 5, type 304 stainless steel. The anchors and hardware for anchoring the air header shall be type 18-8 stainless steel.

C. Grout Retainer

1. Grout retaining strips for bridging flumes shall be of high-impact polystyrene properly keyed to fit the underdrain blocks to allow adjustment of lateral center-to-center distance without difficulty. Retaining strips shall be supplied by the filter manufacturer.

D. Grout

1. Cement: Cement shall be standard brand Portland cement conforming to ASTM C150, Type II, for general use. Cement that has become "lumpy" shall not be used. Do not use non-shrink grout.
2. Water: Water for mixing and curing shall be clean and clear potable water. The water shall be considered potable if it meets the requirements of the local government agencies. Agriculture water with a total dissolved solids of 1000 mg/l or higher, shall not be used.
3. Sand: Sand shall be clean and washed masonry sand. When tested in accordance with ASTM D2419, the sand equivalency shall not be less than 90% for an average of three samples, or less than 85% for any individual sample. 100% of sand particles shall pass No. 4 sieve and not more than 4% of sand particles shall pass No. 200 sieve.
4. Chemical Admixtures: No chemical admixture is needed in most of the applications. The grout can be mixed in a small batch and used immediately.
5. Strength: The grout used in installing the blocks shall have a minimum compressive strength of 2500 psi (17240 kpa) after 30 days of curing. Normally, use a grout with one part Portland cement and two parts clean silica sand properly mixed and wetted

with a maximum water-cement ratio by weight equal to 0.50 to 0.55 for the base grout and 0.61 to 0.67 for the fill grout.

E. Wash Water Troughs:

1. Resin: The resin shall be a commercial grade, general purpose polyester thermosetting resin, which has either been evaluated in a laminate, or which has been determined by a previous documented service to be acceptable for the service conditions. Contact the factory for specific chemical resistant applications.
 - a. The resin shall contain no fillers except as follows:
 - i. A thixotropic agent which does not interfere with laminate quality, or with the required chemical resistance of the laminate, may be added for viscosity control.
 - ii. Resin may contain pigments, dyes or colorants which have been determined by at least five (5) years previous service to be acceptable for the service condition without fading or chalking from original color standard.
2. Ultraviolet Resistance: All laminates have ultraviolet resistance in the form of pigmentation or ultraviolet absorbers.
3. Metal Reinforcement: When metal reinforcements are used, they shall be free of rust, oil, and any foreign matter. They shall be completely encapsulated with a minimum of 1/8 inch (3.2 mm) thick laminate.
4. Glass Reinforcement: Glass reinforcements shall consist of chemically bonded surfacing mat and chopped strand or chopped strand mat as hereinafter described. Surfacing mat shall be type C, 10-20 mils thick, with a silane finish and a styrene-soluble binder. Chopped strands shall be Type E glass, with silane finish and styrene-soluble binder. The glass content of the finished laminate shall be adequate to produce mechanical and physical properties conforming to Table 1.
5. Manufacture:
 - a. The inner surface of the trough shall be smooth and resin rich. The outer surface shall be reasonably smooth and no glass fibers shall be exposed. The size and number of air bubbles shall be held to a minimum. Laminations shall be dense and without voids, dry spots, cracks or crazes.
 - b. The inner surface of the trough shall be reinforced with glass surfacing mat. This shall be followed with chopped strand glass laminate (max. 2 oz. per sq. ft.) in a minimum of two (2) layers. Void content of the complete laminate shall not exceed 2 1/2% of laminate volume.
 - c. The top edges of the trough shall be level and parallel with a tolerance of plus or minus 1/8 inch (3.2 mm) (measured when the trough is not loaded).

The length of a trough section shall have a tolerance of +/-1/8 inch (3.2 mm) per 10 feet (3 m) length.

The laminate thickness tolerance shall be plus 1/8 inch (3.2 mm) minus 0.
 - d. Thickness at locations of supports such as saddles shall be at least 1-1/2 times the nominal thickness of the trough and shall conform to the fiber stress limitations set forth in the design section of the specification.
 - e. End flanges and blind ends shall be a minimum of 1 1/2 times the nominal thickness of the trough and shall conform to the fiber stress limitations set forth in the design section of this specification.

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- f. An integrally molded water stop shall be provided on the trough whenever the trough is grouted into and/or passes through a wall.
 - g. One-inch (25 mm) diameter ABS spreaders shall be bolted between the trough walls on approximate 2 feet (610 mm) centers to enhance the structural rigidity of the trough system.

F. Filter Control System

The filter control system shall be the FilterWorx™ Automatic Control System and shall include the following equipment and instrumentation.

- 1. Filter Control Console: A Filter Control Console shall be provided for controlling and monitoring the operation of each filter.

Each console shall be a PLC-based system and shall be provided complete with the necessary control devices, equipment, and functional programming to perform the control and monitoring functions specified.

The Filter Control Console shall be an AFC® 5000 as manufactured by ITT Water and Wastewater Leopold, Inc., Zelienople, PA.

- a. Functional Description

- i. Each console shall have the capability of controlling the filtration and backwash sequence for a single filter. It shall have the capability for semi-automatic, automatic, and manual control.
- ii. In the automatic mode, the backwash sequence shall be initiated by high turbidity, high loss-of-head, or exhausted filter runtime. The PLC shall perform the backwash sequence without operator intervention.
- iii. In the semi-automatic mode, the backwash sequence shall be manually initiated by the operator following a system alert based on the above mentioned conditions. Occurrence of any of these conditions shall illuminate the BACKWASH REQUIRED pilot light. The operator shall initiate the backwash sequence by pressing the START BACKWASH pushbutton. The PLC shall then perform the backwash sequence without further operator intervention. An ABORT BACKWASH pushbutton shall be provided to end the backwash sequence before its completion. The console shall include an EXTEND HIGH BACKWASH pushbutton that will extend the high rate backwash for an adjustable amount of time.
- iv. In the manual mode, the backwash sequence shall be completely manual in operation, using the selector switches and indicators on the console. Manual operation shall be independent of the PLC.
- v. An electronic valve positioner/controller shall be provided for the effluent and backwash control valves. The valve positioner/controller shall include AUTO/MANUAL and an INCREASE/DECREASE buttons. In AUTO mode, the unit shall accept a remote setpoint signal and position the flow control valve to maintain the flow setpoint. The remote effluent flow setpoint to each filter shall be generated by a common influent channel level

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- transmitter. The remote backwash flow setpoint shall be generated from an output signal from the filter PLC based on the current backwash step. In MANUAL mode, the flow will be adjusted manually by pressing the appropriate INCREASE/DECREASE button. The unit shall have a dual LED display for indicating the flow setpoint and the actual flow in GPM.
- vi. The console shall have OPEN/HOLD/CLOSE selector switches for manual control of the effluent, backwash control, and air scour vent valves. The console shall have OPEN/CLOSE selector switches for manual control of the influent, drain, backwash inlet, air scour inlet, and future filter-to-waste valves. It shall also have START/STOP selector switches for the air scour blower(s) and backwash pump(s).
 - vii. The console shall include an operator interface touchpad to monitor the operation of the PLC and adjust the system setpoints.
 - viii. The console shall provide dry-contact open and dry-contact close outputs for each valve controlled from the console. It shall accept dry-contact limit switch inputs from each valve and shall have pilot lights for indication of fully opened and fully closed position. Motors shall be controlled via a single maintained dry-contact that shall close when the motor is to run. The console shall accept a dry-contact running signal for proof that the motor is running.
 - ix. Digital indicators shall be provided for loss of head and turbidity.

NOTE: The contractor shall be responsible for ensuring that equipment supplied by others includes the necessary and proper signal interface.

b. Components

- i. The enclosure shall be a totally enclosed, sloped top console, 48" in width. It shall be manufactured of fiberglass reinforced plastic (FRP) having a minimum wall thickness of 1/8 inch (3.2 mm). The console enclosure shall be a model FCP as manufactured by ITT Water and Wastewater Leopold, Inc., Zelienople, PA.
- ii. The electronic valve positioner/controllers shall be Leopold model Valve PAC® series II.
- iii. The operator interface touchpad shall be Magelis model XBT.
- iv. Selector switches, pushbuttons, and pilot lights shall be Square D, Type ZB4, or equal. Pilot lights and illuminated pushbuttons shall be LED type.
- v. Digital indicators shall be Red Lion "IMP" series, Modutec 2000 series, or equal.
- vi. Control relays shall be general purpose, plug-in type with LED pilot indicator, Square D, Class 8501, Type K or Type R, or equal.
- vii. Terminal blocks shall be Weidmuller WDU 4 series, or equal.
- viii. Circuit breakers shall be Square D, Class 9080, Type GCB, or equal.
- ix. The PLC system shall be a modular type and shall be designed to have 10% active spare input/output terminations at each register or remote I/O rack. Spare I/O shall be wired to terminal blocks. The PLC shall have an Ethernet port for communications. The PLC

system hardware shall be an Allen-Bradley Compactlogix series. Final PLC selection shall be coordinated with plant-wide system integrator.

c. Wiring

- i. The console shall be completely pre-wired except for wires to external devices, which shall be brought to lugless tubular screw with pressure plate terminal blocks. All wiring shall be in compliance with the National Electric Code (NEC).
- ii. Minimum wire size for 120 VAC power wiring shall be #16 AWG stranded copper conductor, 600V, 90 degrees C with thermoplastic insulation. Minimum wire size for 24 VDC power wiring shall be #18 AWG stranded copper conductor, with thermoplastic insulation. Minimum wire size for DC signal wiring shall be #18 AWG twisted, shielded pair with drain wire (Belden 8760 or equal), grounded in accordance with ISA Recommended Practice for signal wiring.
- iii. Wires shall be color coded as follows:

120 VAC, 2 wire, single phase:

Phase - L1, Black

Neutral-L2, White

Externally powered circuit - Yellow

120 VAC control - Red

24 VDC Control - Blue

Ground - Green, or green with yellow stripes.

2. Venturi Flow Meters

Each flow meter shall consist of a venturi type differential producing flow element and a differential pressure flow transmitter. Sizes and locations shall be as shown on the plans.

a. Flow Elements

- i. Primary flow elements shall be venturi type and shall produce a differential pressure sensed at the inlet and at the throat.
- ii. The body shall be cast iron ASTM A126, Grade B. The throat bushing material shall be 304 SS. End connections shall be 125 ANSI flanges. Each tube shall be hydrostatically tested at 150 psi (1,034 kpa).
- iii. Two diametrically opposed main taps and two diametrically opposed throat taps shall be provided for differential pressure measurement connections. Centerline of the main taps and throat taps shall be in a horizontal plane. Holes shall be drilled at right angles to the axis and be burr free. Corner taps are not acceptable.

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- A drain and a vent connection shall be provided at right angles to the main pressure taps when the tube is installed for steam or gas service.
- iv. All surfaces, except the throat and the flange faces, shall be coated with United States Environmental Protection Agency approved Series 20 Pota-Pox Epoxy-Polyamide Potable System or other coating approved by the USEPA for potable water applications.
 - v. The discharge coefficient shall not be less than 0.965 with uncalibrated accuracy of $\pm 0.5\%$ over a range of 10:1 with a minimum Reynolds number which varies with tube size.
 - vi. The venturi flow element shall be a Primary flow Signal HVT-CI model, or approved equal.
- b. Flow Transmitters
 - i. Rate of flow transmitters shall be 2-wire type and shall generate a standard 4-20 mA DC output signal. Each transmitter shall be supplied complete with three-valve manifold.
 - ii. The transmitter shall be of compact design with external span and zero adjustments. Accuracy shall be $\pm 0.25\%$ of calibrated span for a range of 20% to 100% of flow (4% to 100% of differential pressure).
 - iii. The rate of flow transmitter shall be a Rosemount 3051 Smart DP, or approved equal.
3. Field Instrumentation
- a. Filter Loss of Head Transmitters
 - i. A loss of head transmitter, complete with three-valve manifold, mudleg and strainer, shall be supplied to monitor the loss of head through each filter.
 - ii. The transmitter shall be of compact design with external span and zero adjustments. Accuracy shall be $\pm 0.25\%$ of calibrated span for a range of 20% to 100% of flow (4% to 100% of differential pressure).
 - iii. The loss of head transmitter shall be the Rosemount 3051 Smart DP, or approved equal.
 - b. Filter Continuous Level Sensors
 - i. A level transmitter shall be provided for each filter. The filter level sensing system shall be an ultrasonic-type, electronic continuous level transmitter, complete with sensing element and integral electronics. The sensor shall be powered by a nominal 24 VDC loop power supply and shall generate a standard 4-20 mA DC output signal.
 - ii. The level sensor shall be a Siemens SITRANS Probe LU Ultrasonic Level Transmitter, or approved equal.
 - c. Effluent Turbidimeters: An effluent turbidity meter shall be provided for each filter. The Turbidimeter shall be a HACH 1720E, or approved equal.
 - d. Common Influent Channel Level Sensor
 - i. A level transmitter shall be provided at the common filter influent line for generation of the filter effluent rate of flow setpoint.
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- ii. The level sensing system shall be via a pressure transmitter of compact design with external span and zero adjustments. Accuracy shall be $\pm 0.25\%$ of calibrated span for a range of 20% to 100% of flow (4% to 100% of differential pressure).
 - iii. The pressure transmitter shall be the Rosemount 3051 Smart transmitter, or approved equal.

PART 3 - EXECUTION

3.01 PRODUCT HANDLING, STORAGE AND DELIVERY

- A. Place or store underdrains and specialties only in designated staging areas shown on the drawings and approved by the Engineer.
- B. Store underdrains and specialties off the ground, under ultraviolet-resistant tarps from time of delivery on-site until final installation of the filters.
- C. Replace, at no charge to Owner, underdrains and specialties damaged during storage and delivery.
- D. Underdrains and specialties are subject to inspection at the Engineer's request if visual evidence of damage is observed.
- E. All filter media will be shipped in "semi-bulk" containers having lifting loops and bottom discharge spout. Anthracite superbags are 60 cubic feet (1.7 cubic meters) weighing approximately 3,000 pounds (1,360 kg) each
- F. Delivery of "bulk" shipments will not be permitted unless the contractor can demonstrate that the materials can be handled and stored without contamination
- G. Troughs shall be suitably packaged to avoid damage during handling and shipment. Should it be necessary to store product prior to installation, precautions should be taken to prevent warpage or distortion.
- H. Troughs should be stored on a flat place and adequately supported on wooden support members to evenly distribute weight of troughs. When stored more than one (1) high, succeeding items should be stored level and evenly supported by blocks or spacers.

3.02 INSTALLATION

- A. Filter Underdrains and Air Header
 - 1. The CONTRACTOR shall install the filter underdrain system in strict accordance with: (1) the manufacturer's written instructions and recommendations and the manufacturer's installation drawings; (2) the oral and written directions provided by the manufacturer's technical representative who is supervising and observing the WORK; and (3) any additional requirements specified herein.

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2. Floor Preparation
 - a. Care shall be exercised in preparing the filter floor slab and in setting the anchors to assure proper alignment and elevation. Steel anchor rods shall be furnished by the filter manufacturer and set in the floor slab on both sides of the distribution flume in accordance with the drawing provided. The floor slab shall be screeded into a flat level plane and be free of protrusions and depressions.
 - b. Floor and wall area in contact with the grout surrounding the underdrain shall be painted. Extra anchoring shall be provided per the manufacturer's recommendation.
 3. Underdrain Lateral Installation
 - a. The underdrain laterals shall be set in relatively level rows on a bed of grout over the filter floor slab. Plates for closing the ends of each row of blocks shall be furnished by the filter manufacturer and installed by the CONTRACTOR. After joining, aligning and setting the blocks, and the bed grout is set-up, as soon as possible, all spaces between the rows of blocks and walls shall be filled with grout so that the entire bed is totally sealed and held firmly in place. Once all grouting is complete, the grout shall be allowed to cure for at least 3 full days before any functional testing.
 - b. Anchor rods, if required as shown in the contract drawings, shall be supplied by the underdrain MANUFACTURER and installed by the CONTRACTOR. Installation of the anchor rods shall be in accordance with the MANUFACTURER'S approved installation drawings and instruction manual.
 - c. After the anchor rods have been installed and the epoxy has cured, a non-destructive vertical pull test shall be performed. Testing shall be performed on 100% of the anchor rods. The pull test shall be performed by the underdrain MANUFACTURER in accordance with the MANUFACTURER'S instruction manual.
 - i. Using the test equipment supplied by the underdrain MANUFACTURER, each anchor rod shall be loaded to the vertical tension value and loading increments as specified in the MANUFACTURER'S instruction manual.
 - ii. The specified tension shall be held for 2 minutes.
 - iii. If an anchor rod fails to reach the specified tension or shows signs of slippage, the tested anchor rod installation shall be rejected. The CONTRACTOR shall remove all failed anchor rod(s), install new rod(s), and repeat the test on each new rod. These steps will be repeated until all rods pass the test.
 - iv. All test results shall be documented and the results for a particular filter shall be approved in writing by the underdrain MANUFACTURER prior to proceeding with installation of the underdrain laterals in that filter.
 4. Cleaning and Protection During Installation, Testing, and Startup
 - a. The CONTRACTOR shall take all precautions recommended by the underdrain manufacturer or specified herein to ensure that the filter underdrain system and any piping communicating therewith is completely clean and free of any debris, dirt, or other foreign materials which could clog the underdrain system or interfere with flow. Backwash air and water piping

shall be thoroughly flushed clean. All loose debris and dirt within the filter cell and flume shall be removed by brooming down and vacuuming. Care shall be taken to keep grout from being deposited anywhere where it could interfere with flow. Any grout so deposited shall be removed. As installation progresses, partially completed portions of the WORK shall be protected with heavy visqueen or other suitable material to maintain the cleanliness of the underdrain system. Such protection shall be maintained until the support gravel is installed.

- b. Any time the underdrain laterals are to be used as a work surface, the underdrain block shall be overlaid with ½ inch (13 mm) minimum plywood sheeting where necessary, to distribute the load of yard buckets, wheel barrows, ladders, scaffolds, etc., to prevent damage to the underdrain.

B. Media

- 1. Marks shall be placed on the side of the filter designating the top elevation of each layer.
- 2. Carefully place each layer so as not to disturb the previous layers.
- 3. Complete the installation of each layer before the next layer above is started. Do not stand or walk directly upon the filter materials. Workers must stand or walk on boards that will sustain their weight without displacing the gravel and media.
- 4. Measure depth of each layer of media after it has been backwashed and skimmed as recommended by the filter equipment manufacturer.
- 5. Clean the filter tanks before any media is placed and keep them clean throughout the placing operation.
- 6. Filter Sand and Filter Anthracite: Place the filter sand and filter anthracite in the bed in the order of their respective specific gravities. Place and level the filter sand first. Then backwash the bed a minimum of three times, and remove the surface fines by scraping as required to the correct elevation. Place the filter anthracite and backwash the bed three times, and remove the surface fines by scraping as required to the correct elevation.

C. Wash Water Troughs

- 1. All trough mounting brackets, hardware and stabilizers shall be Type 18-8 stainless steel and shall be supplied by the trough manufacturer.
- 2. Troughs shall be installed so that the trough weir edges are level to within ± 1/8 inch (3 mm).

D. Filter Controls and Instrumentation

- 1. The contractor shall be responsible for installation of the filter control consoles and all wiring from the console to field devices, instruments, and other systems.
- 2. Start-up shall be performed with all final elements, field devices, and instruments installed, calibrated, and wired in the circuit.

3.03 FIELD TESTING

A. Underdrain Lateral Flow Distribution Test

- 1. The filter underdrain system in each filter cell shall be given a series of visual, qualitative, flow distribution tests to verify that orifices are not clogged with debris and that flow distribution is uniform. These tests shall be performed before the filter

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- media is placed.
 2. During each test, the underdrain laterals shall be visually inspected for uniform distribution of air and water and for any signs of quiescent zones and excessive surface turbulence.

3.04 MANUFACTURER'S SERVICES

A. Mechanical Filter Equipment Services

1. Install all items in accordance with the filter equipment manufacturer's recommendations. Upon completion of the installation, the technical director shall furnish a certificate of compliance detailing that the filtering materials have been installed in accordance with the manufacturer's instructions.
2. The underdrain manufacturer shall retain on its permanent staff, field service representatives with at least 10 years of experience in the placement of underdrain. (Such persons shall be available on a fee-paid basis to instruct the CONTRACTOR in the proper placement and testing of the underdrain).
3. The CONTRACTOR shall provide the services of the manufacturer's technical representative for 15 days (including travel time) to inspect and supervise the installation and testing of the filter underdrain system in 3 trips.
4. Additional supervision for testing or other purposes in excess of that included above shall be made available by the manufacturer with reasonable notice and at the manufacturer's prevailing per diem rate plus living and travel expenses.
- 5.

B. Controls and Instrumentation Services

1. The control system manufacturer shall provide a technical representative to assist the contractor's personnel with the startup for 15 days (including travel time) in 3 trips. The factory service technician shall have a minimum of five years experience in the start-up of air/water filter backwash systems.
2. On-site training of supervisors and shift operators shall be provided at the time of start-up to familiarize personnel with the hardware and to instruct them in day-to-day operations of the controls, preventative and regular maintenance, trouble-shooting techniques, and system diagnostics.
3. Additional supervision for testing or other purposes in excess of that included above shall be made available by the manufacturer with reasonable notice and at the manufacturer's prevailing per diem rate plus living and travel expenses.

3.05 DISINFECTION

After all work is completed and before the filter is placed in service, the owner will disinfect the entire filter by chlorination.

3.06 DOCUMENTATION

As a minimum, documentation shall include:

Complete ladder logic diagrams with addresses, labels, and remarks.

Complete console shop drawings showing layouts, schematics, and interconnections among field mounted equipment and other systems.

Manufacturers' standard instruction bulletins for all functional components.

3.07 SPARES

A. Spares shall be provided as follows:

1. Ten (10) underdrain o-rings.
2. Five (5) H.I.P.S bridging pieces.
3. Five (5) Plastic end caps.
4. Two (2) of each switch, push-button, light used.
5. Two (2) of each type of relay used.
6. One (1) of each type of PLC I/O card used.
7. One (1) of each type of PLC power supply used.

END OF SECTION

SECTION 13300

PROCESS INSTRUMENTATION AND CONTROLS – GENERAL PROVISIONS

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. The CONTRACTOR shall furnish all services and equipment to incorporate the new filter control panel and accessories into the existing Process Control System (PCS). The data from the filter controls shall be communicated to the existing control system
- B. The CONTRACTOR shall coordinate and schedule all required testing and training with the OWNER, and ENGINEER.
- D. The work shall include coordination with other contractors, furnishing and installing the following:
 - 1. Providing all materials, equipment, labor and services required to integrate the new filter control panel into the existing control system.
 - 3. All field instrumentation, sensors, analyzers, and devices as shown and as specified for monitoring and control functions.
 - 4. Auxiliary and accessory devices necessary for system operation or performance, such as transducers or relays to interface with existing equipment whether they are shown on the Drawings or not.
 - 5. The CONTRACTOR shall provide all required transducers, current isolators, signal conditioners, interposing relays, etc. whether shown on the contract drawings or not. It is the CONTRACTOR's responsibility to field investigate any and all interface requirements, locations, wiring, terminations, etc. to provide a complete, and fully configured, integrated, and operational process control system.

1.02 REFERENCE STANDARDS

- A. Publications are referred to in the text by basic designation only. Where a date is given for reference standards, the edition shall be used. Where no date is given for reference standards, the latest edition in effect at the time of bid opening shall apply.
- B. American Society for Testing and Materials (ASTM).

ASTM A269 – Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service.

- C. Instrument Society of America (ISA)
 - 1. ISA S5.2 – Binary Logic Diagrams for Process Operations
 - 2. ISA S5.3 – Graphic Symbols for Distributed Control/Shared Display Instrumentation Logic and Computer Systems.
 - 3. ISA S5.4 – Instrument Loop Diagrams
 - 4. ISA S20 – Specification Forms for Process Measurement and Control Instruments,

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- Primary Elements and Control Valves.
 - 5. ISA RP60.3 – Human Engineering for Control Centers
 - 6. ISA RP60.6 – Nameplates, Labels, and Tags for Control Centers

D. American National Standards Institute (ANSI)

ANSI X3.5 – Flowchart Symbols and Their Usage in Information Processing

E. National Fire Protection Agency (NFPA)

NFPA 70 – National Electrical Code

F. Underwriter's Laboratories, Inc. (UL)

UL 508 – Industrial Control Equipment

1.03 WARRANTY

Provide equipment warranty per Section 01740, Warranties and Bonds, and as specified in Part 3 herein.

PART 2 - PRODUCTS

2.01 GENERAL REQUIREMENTS

Necessary modifications shall be made to the existing Central Terminal Unit (CTU) and Master Computer and associated equipment to incorporate all communications required from the new Filter Console to the CTU and Master Computer. All data from the new Filter Console shall be incorporated into the existing CTU to provide the plant operator with graphical interface monitoring and control functions as well as historical records and system functions and transactions as listed in these specifications. The CONTRACTOR shall furnish and be responsible for the following items as a minimum.

- A. Provide a one (1) year unlimited warranty covering all equipment and software additions, required to add the monitoring and control of the new Filter Console. Any damages to existing equipment or software while making a necessary additions and changes to existing system shall be corrected and the complete SCADA system shall be provided with a one (1) year warranty from date of system acceptance of this project by the Owner.
- B. All new filter information at this site shall be provided over existing network to Master Computer at existing Water Treatment Plant No. 1.
- C. Provide all site training as deemed necessary by Owner for Master Computer operations. Also, provide unlimited telephone support at no charge to Owner. CONTRACTOR shall provide and maintain qualified computer trained field service personnel within a 100 mile radius available within a maximum of twenty four (24) hours.

PART 3 - EXECUTION

3.01 GENERAL INSTALLATION

- A. Instrumentation and accessory equipment shall be installed in accordance with the manufacturer's instructions. The locations of equipment, transmitters, alarms and similar devices are diagrammatic only. Exact locations shall be as determined by the PCSS during development and fabrication of systems.
- B. The drawings indicate the intent and not the precise nature of the interconnection between the individual instruments. Exact nature of the final equipment interconnections shall be as determined by the PCSS during development and fabrication of systems.
- C. The process control system software and hardware shall be configured as required to achieve the functional requirements as specified herein and shown on the Drawings.
- D. Where indicated on the drawings or instrument list as not requiring installation, provide the instruments suitably packaged for storage in compliance with Section 01600.
- E. Where specific installation details are not specified or shown on the Drawings, installation recommendations from the equipment manufacturers or American Petroleum Institute (API) shall be followed as applicable.
- F. The shield on each process instrumentation cable shall be continuous from source to destination and be grounded as directed by the ENGINEER but in no case shall more than one ground point be employed for each shield.
- G. Once installed, remove lifting rings from cabinets/assemblies. Permanent plugs shall be provided for the holes of the same material and color as the cabinet.
- H. All work shall be executed in full accordance with codes and local rulings. Should any work be performed contrary to said rulings, ordinances and regulations, the CONTRACTOR shall bear full responsibility for such violations and assume all costs arising therefrom.
- I. All equipment used in areas designated as hazardous shall be designed for the Class, Group and Division as required on the Electrical Drawings for the locations.
- J. Unless specifically shown in the Drawings, direct reading or electrical transmitting instrumentation shall not be mounted on process piping. Instrumentation shall be mounted on instrument racks or stands as detailed on the installation drawings.
All instrumentation connections shall be provided with shutoff and drain valves. For differential pressure transmitters, valve manifolds for calibration, testing and blowdown service shall also be provided.
- K. All piping and tubing to and from field instrumentation shall be provided with necessary unions, calibrations and test tees, couplings, adaptors, and shut-off valves. Process tubing shall be installed to slope from the instrument toward process for gas measurement service

and from the process toward the instrument for liquid measurement service. Provide drain/vent valves or fittings at any process tubing points where the required slopes cannot be maintained.

- L. Provide local electrical shutoffs and disconnects for all 4-wire field instruments requiring 120 VAC power. Electrical disconnects shall be suitably rated disconnect switches or manual motor starters as specified under Division 16.
- M. Provide all brackets, hangers, and miscellaneous metals required for mounting of equipment. Mounting hardware shall be installed in a workmanlike manner and not interfere with any other equipment.
- N. The CONTRACTOR shall provide on-site service to oversee the installation, the placing and location of system components, their connections to the process equipment panels, cabinets and devices, subject to the ENGINEER's approval. The CONTRACTOR shall certify that all field wiring for power and signal circuits are correctly done in accordance with best industry practice and provide for all necessary system grounding to insure a satisfactory functioning installation. The CONTRACTOR shall schedule and coordinate work under this section with that of the electrical work specified under applicable Sections of Division 16.
- O. Provide sunshades for equipment mounted outdoors in direct sunlight. Sunshades shall include standoffs to allow air circulation around the cabinet. Orient equipment outdoors to face to the North or as required to minimize the impact of glare on LED, LCD, or other digital readouts.

END OF SECTION

SECTION 13310

PROCESS INSTRUMENTATION AND CONTROLS – DISTRIBUTED CONTROL SYSTEM

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. Furnish all labor, materials, equipment, services, and incidentals required to modify the existing SCADA system.
- B. Equipment, materials, and service shall be supplied in accordance with the general requirements defined in Section 13300.
- C. The PCSS shall modify equipment, materials, software, calibrations, training, and services required to successfully interface and interconnect the System and associated equipment that is specified or designated in drawings or provisions of these specifications for the purpose of providing a fully integrated and functional control system as specified.
- D. The PCSS shall furnish and install cabling and cable accessories, including tools necessary for connecting the System and peripherals, PLCs, data highway, and input/output devices.
- E. The PCSS shall furnish startup, training, and system checkout services.
- F. All equipment and installations shall satisfy applicable Federal, State, and local codes.
- G. Supplementing this Section, the Drawings and related Specifications sections provide additional details showing panel elevations, instrument device schedules, functional requirements of the system, and interaction with other equipment.
- H. The PCSS shall coordinate and schedule all testing procedures with the General CONTRACTOR.

PART 2 - PRODUCTS

2.01 GENERAL

- A. Refer to Section 13300.
- B. Materials and equipment used shall be UL approved wherever such approved equipment and materials are available.
- C. The System shall be modified to withstand the demands of real time process management and control.

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- E. Equipment furnished shall be designed and constructed so that in the event of power interruption, or temperatures outside the operational range, the systems specified hereunder shall go through an orderly shutdown with no loss of memory and resume normal operation without manual resetting when power is restored.

PART 3 - EXECUTION

3.01 GENERAL INSTALLATION

- A. The PCSS shall furnish labor, materials, equipment, and incidentals required to modify the system in accordance with Specification Section 13300 and as specified herein.
- B. The PCSS shall be responsible for ensuring that field wiring for power and signal circuits is correct and wired in accordance with best industry practice. Also, the PCSS shall be responsible for providing all necessary system grounding to ensure a satisfactory functioning installation.

3.02 TESTS (GENERAL)

Refer to Section 13300.

3.03 TRAINING

Refer to Section 13300.

3.04 PREVENTIVE MAINTENANCE

Refer to Section 13300.

3.05 CONTROL SYSTEM DIAGRAMS AND DETAILS

Refer to Section 13300.

END OF SECTION

SECTION 15054

EXPOSED PIPING INSTALLATION

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Scope:
1. Furnish all labor, materials, equipment, and incidentals required to install and test all exposed piping, fitting, and appurtenances as shown and specified.
 2. The Work includes, but is not limited to, the following:
 - a. All types of exposed piping unless specifically included under other Sections.
 - b. Piping embedded in concrete within a structure or foundation.
 - c. Restraints, thrust blocks and kickers.
 - d. Installation of all joints, specials, couplings, flexible couplings, mechanical couplings, harnessed and flanged adapters, expansion couplings, sleeves, tie rods, jointing and gasketing materials and all other Work required to complete the piping installation.
 - e. Valves, gates, meters, and specials shown or specified for the piping systems.
 - f. Testing, cleaning, and disinfecting.
- B. Coordination: Review installation procedures under other Sections and coordinate with the work which is related to this Section.

1.02 SUBMITTALS

- A. Shop Drawings: Comply with the general requirements of Section 01340.
- B. Tests:
1. Submit description of proposed testing methods, procedures, and apparatus.
 2. Submit copies of test reports.
- C. Records Drawings:
1. During progress of the Work keep an up-to-date set of drawings showing field modifications.
 2. Submit within 30 days of substantial completion drawings showing the actual in-place installation of all piping installed under this Section at a scale satisfactory to the ENGINEER. Show all piping in plan and in section with reference dimensions and elevations required for complete record drawings of the piping systems.

1.03 DELIVERY, STORAGE AND HANDLING

- A. Delivery, storage and handling of pipe, fittings, and specials shall be in complete compliance with the manufacturer's instructions.

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- B. Handle all pipe, fittings and accessories carefully using proper handling devices. Do not drop or roll pipe off trucks; do not drop, roll or skid pipe. Materials cracked, gouged, chipped, dented or otherwise damaged will be rejected.
 - C. Store pipe and fittings on heavy wood blocking or platforms to avoid contact with the ground.
 - D. Unload pipe, fittings and specials as close to points of placement as practical to minimize handling. Keep interiors free of dirt and foreign matter.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Piping Materials: Comply with the applicable sections of Division 15.
- B. Marking:
 - 1. Clearly mark each piece of pipe and all fittings with designation complying with the Shop Drawings. Standard straight lengths of pipe with no outlets do not require mark at CONTRACTOR's option.
 - 2. Paint or cast class designation on each pipe length or fitting 4 inches in diameter and larger.
 - 3. Clearly mark material, type, and rating on piping less than 4 inches in diameter at the factory.
- C. Pipe Identification Markers and Arrows: Refer to Section 09900, Painting.

2.02 EXPOSED PIPING SCHEDULE

Attached to the end of this Section is the "Exposed Piping Schedule". Conform to the requirements of the schedule unless otherwise approved by ENGINEER.

2.03 RESTRAINED JOINTS

Provide restrained joints and thrust protection as required for all pressure piping systems.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. General:
 - 1. Install piping as shown, specified and as recommended by the manufacturer.
 - 2. Review with ENGINEER before proceeding if there is a conflict between the manufacturer's recommendations and the Drawings or Specifications.
 - 3. Present conflicts between piping systems and equipment or structures to the ENGINEER for review of corrective measures before proceeding.

B. Piping:

1. Install straight runs true to line and elevation.
2. Install vertical pipe plumb in all directions.
3. Install piping parallel or perpendicular to building walls. Piping at angles and 45 degree runs across corners will not be accepted unless specifically shown or approved.
4. Install small diameter piping generally as shown when specific locations and elevations are not indicated. Locate such piping to avoid ducts, equipment, beams, etc.
5. Install piping to avoid obstructing corridors, walkways, work areas, and like spaces. Provide minimum headroom clearance under all piping of 7 feet 6 inches unless otherwise approved.
6. Provide temporary caps or plugs at all pipe openings at the end of each days work and when otherwise requested by the ENGINEER.
7. Cut pipe to field measurements rather than Drawing dimensions.

C. Joints:

1. General:

- a. Make joints in accordance with the pipe manufacturer's recommendations and the requirements below.
- b. Cut piping accurate and square. Assemble without forcing or springing.
- c. Ream all pipe and tubing to full inside diameter after cutting. Remove sharp edges on end cuts.
- d. Remove all cuttings and foreign matter from the inside of pipes and tubing before installation.
- e. Thoroughly clean all pipe, fittings, valves, specials, and accessories before installing.
- f. Thoroughly wire brush, wipe clean and dry all spigot mating surfaces immediately before pipe is installed.

2. Threaded Joints:

- a. Use standard right-hand tapered full depth threads on steel piping.
- b. Apply before installation an approved joint compound to the male threads only.
- c. Leave three pipe threads maximum exposed at each connection.

3. Solder Joints:

- a. Ream or file pipe to remove burrs.
- b. Clean and polish contact surfaces of joints.
- c. Apply flux to both male and female ends.
- d. Insert end of tube full depth into fitting socket.
- e. Heat joint evenly.
- f. Form continuous solder bead around entire joint circumference.

4. Flanged Joints: Use hexagon head nuts and bolts. Assemble flanged joints with gaskets and gasket compounds in compliance with the applicable sections of Division 15. Tighten flange bolts evenly.

- a. Plastic Pipe Joints: Comply with manufacturer's recommendations.

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- b. Welded Joints: Comply with all applicable requirements of Code for Pressure Piping, ANSI B13.1 Section 6, and AWWA C206 for steel pipe and fittings.
 - c. All welders shall qualify for ANSI B13.1 AR-2 class welding and shall have current certificate available for ENGINEER review.
 - D. Unions:
 - 1. Install dielectric unions where dissimilar metals are connected except at bronze or brass valves installed in ferrous piping.
 - 2. Provide a union downstream of each screwed end valve.
 - 3. Provide screwed or flanged unions at each piece of equipment, where shown, and where necessary to install or dismantle piping.
 - E. Eccentric Reducers: Use eccentric reducers where shown and where air or water pockets would occur in mains because of reduction in pipe size.
 - F. Valves and Accessories:
 - 1. Install floor stands and supports as shown, specified, recommended by the manufacturer, or otherwise required.
 - 2. Provide lateral restraints for extension bonnets and extension stems as shown and as recommended by the manufacturer.
 - 3. Provide steel sleeves where operating stems pass through floor. Extend sleeves 2 inches above floor.
 - 4. Position valve operators as shown. When the position is not shown, install the valve so that it can be conveniently operated as reviewed by ENGINEER. Avoid placing operators at angles to the floors or walls.
 - 5. Position flow measuring devices so that they comply with the manufacturer's recommended straight upstream and downstream runs unless specific location dimensions are shown. Position flow measuring devices to avoid conflict with butterfly control valve discs.
 - G. Transitions between Type of Pipes: Provide all necessary adapters, specials and connector pieces when connecting different types and sizes of pipe or connecting pipe furnished by different manufacturers.
 - H. Restraints, Supports and Thrust Blocks:
 - 1. Install restrained joints as shown, specified, recommended by manufacturer or otherwise required.
 - 2. Provide concrete and metal cradles, collars, floorstands, supports, kickers, and blocks as shown, specified, recommended by the manufacturer, or otherwise required.

3.02 TESTING OF PIPING

- A. General:
 - 1. Contractor shall conduct high-pressure leakage test for all filtered water, potable water, and sewer force main pipe.
 - 2. Notify ENGINEER 48 hours in advance of testing.
 - 3. Provide all testing apparatus.

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4. Pipelines which fail to hold specified test pressure or which exceed the allowable leakage rate shall be repaired and retested.
 5. Test pressures required are at the lowest elevation of the pipeline section being tested unless otherwise specified.
 6. Unless otherwise approved, conduct all tests in the presence of the ENGINEER.

B. High-Pressure Leakage Test:

1. After the pipe has been laid and backfilled, all newly laid pipe or any valved section thereof shall be subjected to a hydrostatic pressure of 150 psi unless shown to be different in piping schedule. The duration of each pressure test shall be at least 2 hours. Pressure shall not vary by more than ± 5 psi for the duration of the test. Each valved section of pipe shall be slowly filled with water and the specified test pressure (based on the elevation of the lowest point of the line or section under test and corrected to the elevation of the test gauge) shall be applied by means of a pump connected to the pipe in a manner satisfactory to the Engineer. The pump, pipe connection, gauges and all necessary apparatus shall be furnished by the Contractor. The Contractor shall furnish all necessary assistance for conducting the tests.
2. Before applying the specified test pressure, all air shall be expelled from the pipe. If permanent air vents are not located at all high points, the Contractor shall install corporation stops at such points, so that the air can be expelled as the line is filled with water. After all air has been expelled, the corporation cocks shall be closed and the test pressure applied.
3. All exposed pipe, fittings, valves, hydrants and joints shall be carefully examined during the test. Any cracked or defective pipe, fittings, valves or hydrants discovered in consequence of this pressure test shall be removed and replaced by the Contractor with sound material. The test shall be repeated until satisfactory to the Engineer.
4. A leakage test shall be conducted by the Contractor after the pressure test has been satisfactorily completed. The duration of each leakage test shall be 12 hours. During the test, the main shall be subjected to a pressure of 150 psi unless shown to be different in Piping Schedule.
5. Leakage shall be defined as the quantity of water that must be supplied into the newly laid pipe or any valved section thereof, to maintain the specified leakage test pressure, within 5 psi, after the air in the pipe line has been expelled and the pipe has been filled with water.
6. No pipe installation will be accepted if the leakage is greater than that determined by the formula " $L = \{(S)(D)(P)^{1/2}\} / 148000$ ".
7. Where "L" is the allowable leakage in gallons per hour, "S" is the length of pipe line tested, in feet; and "D" is the nominal diameter of the pipe measured in inches, and P is the average test pressure during the leakage test, in psi gauge.

3.03 CLEANING AND DISINFECTION

- A. All piping shall be thoroughly cleaned and flushed prior to placing in service in a manner approved by ENGINEER.

Piping 24 inches diameter and larger shall be inspected from inside and all debris, dirt and foreign matter removed.

B. Disinfection

1. Disinfect all filtered water piping and potable water piping.
2. Completely clean interior of all piping and flush piping prior to disinfection with water at a minimum velocity of 2-1/2 feet per second.
3. Conform to procedures described in AWWA C651. Use continuous feed method of disinfection unless alternative method is acceptable to OWNER and ENGINEER.
4. Water for flushing, testing and chlorination shall be furnished and paid for by the CONTRACTOR. CONTRACTOR shall provide all temporary piping, hose, valves, appurtenances and services required.
5. Chlorine shall be supplied by CONTRACTOR.
6. Bacteriologic tests will be sampled by the ENGINEER or a certified water plant operator of the OWNER and analyzed by the Mississippi State Department of Health.
7. Chlorine concentration in the water entering the piping shall be between 50 to 100 parts per million, such that a minimum residual concentration of 25 mg/l will be left after a 24-hour retention period. The operation shall be repeated as necessary to provide complete disinfection.
8. Complete disinfection shall be defined as "No Coliform Present" for samples taken on two consecutive days.

3.04 IDENTIFICATION OF PIPING

- A. Paint and color code piping and insulation in compliance with Section 09900. Color code both insulated and uninsulated piping.
- B. Identify contents of pipe and direction of flow in compliance with Section 09900.

3.05 PIPE ABBREVIATIONS

A. Material Abbreviations

Carbon Steel	CS
Copper	C
Fabricated Steel	FS
Ductile Iron	DI
Polyvinyl Chloride	PVC
Stainless Steel	SS

B. Joint Abbreviations

Flanged	F
Soldered	Sd
Solvent Welded	SW
Screwed Fittings	SF
Grooved or Shouldered	GSEC
End Couplings	EC

END OF SECTION

SECTION 15061

STEEL PIPE AND FITTINGS

PART 1 – GENERAL

1.01 DESCRIPTION

- A. Scope of Work: Furnish all labor, materials, equipment and incidentals required and install all above and below ground steel pipe and appurtenances as shown on the Drawings and as specified herein. Steel pipe shall include black steel and galvanized steel pipe and fittings.
- B. Related Work Specified Elsewhere
 - 1. Section 09900, Painting
 - 2. Division 15, Mechanical

1.02 QUALITY ASSURANCE

- A. Reference Standards: Comply with the applicable provisions and recommendations of the following except as otherwise shown or specified:
 - 1. ASTM A47 - Standard Specification for Ferritic Malleable Iron Castings.
 - 2. ASTM A53 - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
 - 3. ASTM A105 - Standard Specification for Forgings, Carbon Steel, for Piping Components.
 - 4. ASTM A153 - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
 - 5. ASTM A234 - Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and Elevated Temperatures.
 - 6. ASTM A307 - Standard Specification for Carbon Steel Bolts and Studs 60,000 psi Tensile Strength.
 - 7. ASTM A714 - Standard Specification for High-Strength Low-Alloy Welded and Seamless Steel Pipe.
 - 8. ANSI B16.1 - Cast Iron Pipe Flanges and Flanged Fittings
 - 9. ANSI B16.5 - Pipe Flanges and Flanged Fittings
 - 10. ANSI B16.9 - Factory-Made Wrought Steel Buttwelding Fittings
 - 11. American Welding Society (AWS)
 - 12. AWWA C200 - Standard for Steel Water Pipe – 6-in and larger
 - 13. AWWA C207 - Standard for Steel Pipe Flanges for Waterworks Service – Sizes 4-in through 144-in.
 - 14. AWWA C208 - Standard for Dimensions for Fabricated Steel Water Pipe Fittings
 - 15. AWWA C210 - Standard for Liquid-Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines
 - 16. AWWA M-11 – Steel Pipe Design and Installation

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- B. Where reference is made to one of the above standards, the revision in effect at the time of bid opening shall apply.
 - C. All steel pipe and fittings shall be furnished by manufacturers who are fully experienced, reputable and qualified in the manufacture of the items to be furnished. The equipment shall be designed, constructed and installed in accordance with the best practices and methods and shall comply with this Section as applicable.
 - D. Steel pipe and fittings shall conform to all applicable standards of ASTM, ANSI and AWWA.

1.03 SUBMITTALS

- A. Submit to the ENGINEER, in accordance with Section 01340, a list of materials to be furnished, the names of the suppliers and the date of delivery of materials to the site. Submittals shall include at least the following:
 - 1. Shop drawings including piping layouts, schedules, dimensioning, fittings, locations of valves and appurtenances, joint details, methods and locations of supports and all other pertinent technical specifications for all piping to be furnished.
 - 2. Shop drawing submittals for piping under this Section shall include all data and information required for the complete piping systems. All dimensions shall be based on the actual equipment to be furnished. Types and locations of pipe hangers and/or supports shall be shown on the piping layouts for each piping submittal.

1.04 SYSTEM DESCRIPTION

- A. Steel piping shall be installed in the locations shown on the Drawings.
- B. The equipment and materials specified herein are intended to be standard types of steel pipe and fittings for use in transporting natural gas, air, and water.

PART 2 – PRODUCTS

2.01 MATERIALS

- A. Seamless steel pipe shall be standard weight, Schedule 40 and shall conform to ASTM A53. Where indicated on the Drawings to be galvanized, pipe shall be hot-dipped galvanized after fabrication.
- B. Joints for pipe 2-in or less shall be threaded for standard screwed joints. Threaded joints shall be made up with good quality thread compound and applied to the male thread only. After having been set up, a joint shall not be backed off unless the joint is completely broken, the threads cleaned and new compound applied. All joints shall be

air tight.
A sufficient number of unions shall be provided to allow for convenient removal of piping.

- C. Fittings for steel pipe 2 inches or less shall be standard malleable iron, 150 lbs except for steam and hot water cleaning piping which shall be extra heavy, malleable iron, 300 lbs. Fittings shall conform to ASTM A47, Grade 32510 service rating. For galvanized pipe, fittings shall also be hot dipped galvanized and shall conform to ASTM A153. Joints for fittings shall be threaded for standard screwed joints.
- D. Where flanged connections are indicated or otherwise required on pipe 2 inches or less for connection to flanged valves, fittings and appurtenances, they shall be made up using companion type flanges. Where flanged fittings are indicated or otherwise required, they shall be made up using threaded steel nipples and steel companion type flanges. Companion flanges shall be steel, 150 lb ANSI Standard flat face flanges of the threaded type. Flanges shall be spot faced on the back around each bolt hole. For galvanized pipe, flanges shall also be hot-dipped galvanized.
- E. Pipe greater than 2-in size shall have welded joints. Fittings shall be manufactured per AWWA C208. Pipe shall be field welded using "butt straps" or "slip belts" per AWWA M-11 standard details. Flanges shall be AWWA C207 Class "D" ring type. Gaskets shall be ring type, composition asbestos Sheet No. 3, 1/16-in thick, I.D. and O.D. as required by pipe size. Bolts and nuts for flanges shall be hex head cap screws conforming to ANSI B16.2, coarse threads, Class 2A fit, manufactured of ASTM A307, Grade B steel. Split type couplings as specified in Section 15100 may be used in lieu of flanged or welded joints as approved by the ENGINEER. Pipe for split type couplings shall have radius grooved ends for a rigid joint.

2.02 SURFACE PREPARATION AND SHOP PRIME PAINTING

All piping and fittings exposed to view shall have its surface prepared and be painted as specified in Section 09900. Surface preparation and shop priming is a part of the work of this Section. Pipe finish painting and marking is included in Division 9, but it shall be part of the work of this Section to assist as required by the ENGINEER in identifying pipe contents, direction of flow and all else required for proper marking of pipe.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. Steel pipe shall be installed true to alignment, and rigidly supported anchors shall be provided where required under Section 15140 or as shown on the Drawings. After installation, the piping shall be tested as specified in PART 3.
- B. All threads shall be clean, machine cut and all pipes shall be reamed before erection. Each length of pipe as erected shall be up-ended and rapped to dislodge dirt and scale.

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- C. Screwed joints shall be made up with good quality thread compound and applied to the male thread only. After having been set up, a joint must not be backed off unless the joint is completely broken, the threads cleaned and new compound applied. All joints shall be air-tight.
 - D. All piping shall have a sufficient number of unions to allow convenient removal of piping. Unions shall be compatible with pipe.
 - E. When cutting of pipe is required, the cutting shall be done by machine in a neat workmanlike manner without damage to the pipe. Cut ends shall be smooth and at right angle to the axis of the pipe.
 - F. All field welding shall be in accordance with the AWS. The strength of the field weld shall develop the strength of the pipe.

3.02 TESTING AND CLEANING

Testing and cleaning shall be as specified in Sections 01666 and 15052.

END OF SECTION

SECTION 15068

DUCTILE-IRON PIPE

PART 1 - GENERAL

1.01 DESCRIPTION

A. Scope:

1. Furnish all labor, materials, equipment and incidentals required for ductile-iron pipe systems and ductile-iron pipe fittings and specials.
2. The extent of ductile iron piping is shown on the Drawings.

B. Related Work Specified Elsewhere:

1. Section 09900, Painting.
2. Section 15054, Exposed Piping Installation.
3. Section 15100, Valves and Appurtenances.

1.02 QUALITY ASSURANCE

A. Source Quality Control: Obtain pipe and fittings from no more than one manufacturer.

B. Reference Standards: Comply with the latest editions of the following:

1. AWWA C104 (ANSI A21.4), Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for Water.
2. AWWA C105 (ANSI A21.5), Polyethylene Encasement for Ductile-Iron Piping for Water and Other Liquids.
3. AWWA C110 (ANSI A21.10), Gray-Iron and Ductile-Iron Fittings, 3 in. through 48 in., for Water and Other Liquids.
4. AWWA C111 (ANSI A21.11), Rubber Gasket Joints for Ductile-Iron and Gray-Iron Pressure Pipe and Fittings.
5. AWWA C150 (ANSI A21.50), Thickness Design of Ductile-Iron Pipe.
6. AWWA C151 (ANSI 21.51), Ductile-Iron Pipe, Centrifugally Cast in Metal Molds or Sand-Lined Molds, for Water or Other Liquids.
7. ASTM A 48, Gray Iron Castings.
8. ASTM A 123, Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
9. ASTM A 307, Carbon Steel Externally Threaded Standard Fasteners.
10. ASTM A 354, Quenched and Tempered Alloy Steel Bolts, Studs and Other Externally Threaded Fasteners.

1.03 SUBMITTALS

Shop Drawings and Product Data: Comply with the general requirements of Section 01340. Submit detailed drawings and data on pipe, fittings, gaskets, and appurtenances in conjunction with Shop Drawings required under Section 15054.

1.04 DELIVERY, STORAGE AND HANDLING

Refer to Section 15054.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Joints: Comply with Drawings. If not specified, use either flanged joints for exposed piping and push-on or mechanical joints for buried piping.
- B. Ductile-Iron Pipe and Fittings:
 - 1. Pipe:
 - a. Flanged:
 - (1) Standard: ANSI/AWWA C115/A21.15.
 - (2) Thickness: Comply with Drawings. If not shown, use Pressure Class 250.
 - b. Non-Flanged:
 - (1) Standard: ANSI/AWWA C151/A21.51.
 - (2) Thickness: Comply with Drawings. If not shown, use Thickness Class 50.
 - 2. Joints:
 - a. Flanged Joint:
 - (1) Standard: AWWA C110 (ANSI A21.10).
 - (2) Gaskets: c-inch thick red rubber, full face.
 - (3) Bolts and Nuts:
 - (a) Standard: ANSI B18.2.1 and ANSI B18.2.2, respectively.
 - (b) Material, Exposed Service: ASTM A 307, Grade B, cadmium plated or hot dipped galvanized, unless otherwise indicated.
 - (c) Material, Buried or Submerged Service: Type 304 stainless steel, unless otherwise indicated.
 - b. Mechanical Joint:
 - (1) Standard: ANSI/AWWA C111/A21.11.
 - (2) Gaskets: Plain rubber gaskets.
 - (3) Bolts and Nuts: High strength low alloy steel.
 - c. Push-On: Comply with ANSI/AWWA C111/A21.11.
 - d. Restraint Gasket:
 - (1) Fast Grip by American Cast Iron Pipe Company.
 - (2) Field Lock by U.S. Pipe.
 - (3) Or Equal.
 - 3. Fittings:
 - a. Standard: ANSI/AWWA C153/A21.53.
 - b. Pressure Rating: 250 psi.
 - c. Material: Ductile iron or cast-iron.
 - d. Gaskets: Comply with specifications for joints.
 - e. Bolts and Nuts: Comply with specifications for joints.

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- f. Restrained Joint Systems: EBAA Iron Sales Megalug Series 1100.
 - g. Minimum length of sleeves shall be 12 inches.
 - 4. Coatings and Linings:
 - a. Inside Wall of Pipe and Fittings:
 - (1) Standard: ANSI/AWWA C104/A21.4.
 - (2) Cement-Mortar Lining Thickness: Standard (not required on air piping)
 - (3) Seal Coat: Asphaltic. (not required for air piping)
 - b. Outside Wall of Pipe and Fittings:
 - (1) Buried:
 - (a) Coating: Bituminous.
 - (b) Thickness: 1 mil approximate.
 - (2) Exposed: Shall comply with Section 09900.
 - C. Specials:
 - 1. Transition Pieces:
 - a. Furnish suitable transition pieces for connections to existing piping.
 - b. Expose existing piping to determine material, dimensions and other data required for transition pieces unless details are shown on Drawings.
 - 2. Pipe Adapters: Provide necessary adapters to join pipe of different types. Comply with specifications for respective joints.
 - D. Polyethylene Encasement:
 - 1. Provide polyethylene encasement on all buried ductile iron pipe, fittings, and accessories.
 - 2. In accordance with ANSI/AWWAC105 (ANSI A21.5).

PART 3 - EXECUTION

3.01 INSTALLATION

Comply with Section 15054.

END OF SECTION

SECTION 15076

PLASTIC PIPE

PART 1 — GENERAL

1.01 DESCRIPTION

- A. Scope:
 - 1. Furnish all labor, materials, equipment and incidentals for exposed PVC pipe systems.
 - 2. The extent of plastic piping is shown on the Drawings and in the schedules in Section 15054.
- B. Coordination: Review installation procedures under other Sections and coordinate the Work that must be installed with the materials specified herein and which is related to this Section.
- C. Related Work Specified Elsewhere:
 - 1. Section 09900, Painting.
 - 2. Section 15054, Exposed Piping Installation.

1.02 QUALITY ASSURANCE

Reference Standards: Comply with the latest edition of the following:

- A. ASTM D 1784, Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds.
- B. ASTM D 2241, Poly (Vinyl Chloride) (PVC) Pressure-Rated Pipe (SDR Series.)

1.03 SUBMITTALS

- A. Shop Drawings and Product Data: Comply with the general requirements of Section 01340 and the supplemental requirements.
- B. Submit drawings and manufacturer's data showing details of each piping system to include material composition of pipe and fittings, pressure ratings, nominal size and wall dimensions, fittings and interfacing with equipment and appurtenances in conjunction with the Shop Drawings required under Section 15054.

1.04 DELIVERY, STORAGE AND HANDLING

Refer to Section 15054.

PART 2 — PRODUCTS

2.01 CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPING

- A. Pipe and Fitting Material:
 - 1. Standard: ASTM D 1784.
 - 2. Type: Cell Classification, 23447-B.
- B. Pipe:
 - 1. Standard: ASTM D 1785.
 - 2. Designation: PVC 4120.
 - 3. Schedule: Schedule 80.
- C. Joints:
 - 1. General: Connect pipe by solvent cementing except where flanged or threaded fitting are required at expansion joints, valves, flowmeters, equipment connections or otherwise shown or directed.
 - 2. Flanged Joints:
 - a. Use flanges joined to pipe by solvent cementing.
 - b. Flange Drilling and Dimensions: Comply with ANSI B16.1.
 - c. Flange Gaskets: Use Viton, full face unless other, more durable material recommended by pipe manufacturer for service intended.
 - d. Bolts and Nuts: Type 304 stainless steel.
 - 3. Threaded Joints:
 - a. Taper Pipe Threads: ANSI B2.1.
 - b. Joint Preparation: Teflon Tape.
 - 4. Primer and Solvent Cement: Standard: ASTM D 2564.
- D. Fittings:
 - 1. Socket-Type:
 - a. Standard: ASTM D 2467.
 - b. Wall Thickness: Schedule 80.
 - c. Designation: CPVC.
 - 2. Threaded-Type:
 - a. Standard: ASTM D 2464.
 - b. Wall Thickness: Schedule 80.
 - c. Designation: CPVC.

2.02 POLYVINYL CHLORIDE (PVC) PIPING

- A. Pipe and Fitting Material:
 - 1. Standard: ASTM D 1784.
 - 2. Type: Cell Classification, 12454-B.
- B. Pipe:
 - 1. Standard: ASTM D 1785.
 - 2. Designation: PVC 1120.

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3. Schedule: Schedule 80.

C. Joints:

1. General: Connect pipe by solvent cementing except where flanged or threaded fitting are required at expansion joints, valves, flowmeters, equipment connections or otherwise shown or directed.
2. Flanged Joints:
 - a. Use flanges joined to pipe by solvent cementing.
 - b. Flange Drilling and Dimensions: Comply with ANSI B16.1.
 - c. Flange Gaskets: Use Viton, full face unless other, more durable material recommended by pipe manufacturer for service intended.
 - d. Bolts and Nuts: Type 304 stainless steel.
3. Threaded Joints:
 - a. Taper Pipe Threads: ANSI B2.1.
 - b. Joint Preparation: Teflon Tape.
4. Primer and Solvent Cement: Standard - ASTM D 2564.

D. Fittings:

1. Socket-Type:
 - a. Standard: ASTM D 2467.
 - b. Wall Thickness: Schedule 80.
 - c. Designation: PVC I.
2. Threaded-Type:
 - a. Standard: ASTM D 2464
 - b. Wall Thickness: Schedule 80.
 - c. Designation: PVC I.

2.03 MARKING REQUIREMENTS

- A. Intervals: 5 feet maximum.
- B. Designation:
1. Pipe nominal size and NSF mark.
 2. Pipe schedule or SDR designation.
 3. Designation "Specification ASTM D-1785 or ASTM D-2241."
 4. PVC cell classification.
 5. Manufacturer's name or trade name and code.

PART 3 — EXECUTION

3.01 INSTALLATION

Comply with Section 15054.

END OF SECTION

SECTION 15100

VALVES AND APPURTENANCES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Scope: CONTRACTOR shall furnish all labor, materials, equipment and incidentals required to provide all valves and appurtenances as shown and specified.
- B. The valves and appurtenances including within this specification shall include, but are not limited to, the following. All items specified herein may not be included in this project.
 - 1. Gate Valves
 - 2. Butterfly Valves for Fluid Service
 - 3. Butterfly Valves for Air Service
 - 4. Check Valves
 - 5. Solenoid Valves
 - 6. Pressure Gauges
 - 7. Diaphragm Seals for Pressure Gauges
 - 8. Ball Valves (Plastic)
 - 9. Unions (Plastic)
 - 10. Hose Bibb
- C. System Description:
 - 1. All of the equipment and materials specified herein is intended to be standard for use in controlling the flow of potable water, or air, depending on the individual systems, as noted on the Drawings. Drawings and as specified, so as to form complete workable systems.
 - 2. Unless otherwise noted all powered valve operators shall have:
 - a. Valves smaller than 8 inches: electric operators 480V, 3 phase, 60 Hz.
 - b. Valves 8 inches and larger: electric operators 480 volt, 3 phase, 60 Hz.
 - c. Solenoid valves: 120 volt, single phase, 60 Hz, NEMA 4 enclosure, continuous duty Class F coils and manual operator.
 - d. See other paragraphs for additional requirements.
- D. Coordination: Review installation procedures under other Sections and coordinate with the Work which is related to this Section including exposed piping installation, piping insulation, heating, ventilating and air conditioning, plumbing, chemical feed equipment, etc.
- E. Related Work Specified Elsewhere:
 - 1. Section 09900, Painting.
 - 2. Section 15140, Hangers, Supports and Restraints.
 - 3. Division 16, Electrical.

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- F. Certain appurtenances for individual types of pipe or systems are specified with the specific type of pipe or system. However, additional items are specified in this Section.
 - G. Certain items similar to those specified in this Section may be specified to be furnished and installed with individual equipment or systems. In case of a conflict, those individual equipment or system requirements shall govern.
 - H. Piping and disinfection for potable water systems is included in the respective Sections of Division 15.

1.02 QUALITY ASSURANCE

- A. Manufacturer's Qualifications:
 - 1. Valves and appurtenances provided under this Section shall be the standard product in regular production by manufacturers whose products have proven reliable in similar service for at least five years.
 - 2. Insofar as possible all valves of the same specific type shall be the product of one manufacturer.
- B. Reference Standards: Comply with applicable provisions and recommendations of the following, except as otherwise shown or specified.
 - 1. AWWA C504, Rubber-Seated Butterfly Valves.
 - 2. AWWA C515.
 - 3. ANSI B16.1, Cast-Iron Pipe Flanges and Flanged Fittings.
 - 4. ANSI B16.4, Cast-Iron Screwed Fittings.
 - 5. ASTM A 307, Carbon Steel Externally and Internally Threaded Standard Fasteners.
 - 6. ASTM A 354, Quenched and Tempered Alloy Steel Bolts, Studs and Other Externally Threaded Fasteners.
 - 7. Standards of National Electrical Manufacturer's Association.

1.03 SUBMITTALS

- A. Shop Drawings:
 - 1. Comply with the requirements of Section 01300.
 - 2. Submit for approval detailed drawings, data and descriptive literature on all valves and appurtenances, including:
 - a. Dimensions.
 - b. Size.
 - c. Materials of construction.
 - d. Weight.
 - e. Protective coating.
 - f. Actuator weight.
 - g. Calculations for actuator torque where applicable.
 - h. Wiring diagram including:
 - (1) Ladder diagrams.
 - (2) Point-to-point wiring.
- B. Manufacturer's Certificates:

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1. Comply with the requirements of Section 01340.
 2. Submit manufacturer's certificates of compliance with ANSI, AWWA and other Standards listed herein.
- C. Manufacturer's Service Report:
1. Comply with the requirements of Section 01340.
 2. Certify that valves are properly installed except as noted.
 3. Recommend corrective action for any deficiencies noted.
- D. Operating and Maintenance Data:
1. Comply with the requirements of Section 01730.
 2. Submit a detailed operation and maintenance manual for all valves and appurtenances provided under this Section including the following information:
 - a. Product name and number.
 - b. Name, address and telephone number of manufacturer and local distributor.
 - c. Instruction bulletins for operation, maintenance and recalibration.
 - d. Complete parts and recommended spare parts lists.

1.04 WARRANTY

Comply with the requirements of Section 01740.

1.05 PRODUCT DELIVERY, STORAGE AND HANDLING:

- A. Comply with the requirements in Section 01600.
- B. Handle all valves and appurtenances with care.
- C. Valves and appurtenances which are cracked, chipped, distorted or otherwise damaged or dropped will not be acceptable.
- D. Store all valves and appurtenances off the ground in enclosed shelter.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. General:
 1. All valves shall have manufacturer's name and working pressure cast in raised letters on valve body.
 2. All manual valve operators shall turn right to close unless otherwise specified. Valves shall indicate the direction of operation.
 3. Unless otherwise specified all flanged valves shall have ends conforming to ANSI B16.1, Class 125.
 4. All bolts and studs embedded in concrete required to connect wall pipes to valves and appurtenances specified herein shall be stainless steel.

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5. All other bolts, nuts and studs shall, unless otherwise approved, conform to ASTM A 307, Grade B cadmium plated, hot dipped galvanized.
 6. Bolts and nuts shall have hexagon heads and nuts.
 7. Gasket material and installation shall conform to manufacturer's recommendations.

B. Gate Valve:

1. 2-1/2-inches Diameter and Smaller:
 - a. Type: Rising stem with solid wedge and union bonnet.
 - b. Construction:
 - 1) Body: Bronze
 - 2) Packing: TFE impregnated asbestos
 - 3) Trim: Bronze
 - c. End Connections: As required
 - d. Manufacturer and Model:
 - 1) Jenkins Brothers, Fig. 47-U
 - 2) Walworth, Fig. 2
 - 3) Or equal.
 - e. All water valves 2-1/2-in and 3-in unless noted otherwise, shall be brass body gates and shall be Jenkins No. 1240, or Hammond 1B-647.
2. 3-inch and larger
 - a. Standard: AWWA C509 and AWWA C515 as applicable to the type of valve specified.
 - b. General: Unless otherwise specified below, these requirements shall apply to all gate valves.
 - c. Construction and Design:
 - 1) Buried and submerged valves shall be as Specified in Section 02640.
 - 2) Exposed valves shall be furnished with Class 125 flanged ends; provide valves with non-rising stems.
 - 3) All-metal valves shall be manufactured of ASTM A126 Cast Iron, Class B, with bronze mounting design.
 - 4) Non-rising stem valves shall use a double O-ring stem seal, except that packing shall be used where geared operators are required.
 - 5) All valve bodies shall be hydrostatically tested to at least twice the rated working water pressure. In addition, valves shall be seat-tested, bi-directional at the rated working pressure, with seat leakage not to exceed one fluid ounce per inch of valve diameter per hour. Provide certificates of testing.
 - 6) Flanged valves to have face-to-face dimensions per ANSI B16.1 and flanges per ANSI B16.10.
 - 7) All bonnet and packing gland bolts shall be zinc or cadmium electroplated steel; packing gland bolts shall have bronze nuts.
 - 8) Provide geared operator and chainwheel, chain and chain guides for valves with handwheel centerline more than 6-ft above operating level.
 - 9) All valves shall be marked per AWWA Standards, including name of Manufacturer, valve size and working pressure and year of manufacture.

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- 10) Unless otherwise indicated, valves 12-in and smaller shall be capable of installation in the vertical or horizontal position, sealing in both directions at the rated pressure.
 - 11) Valve operation shall be counterclockwise (OPEN) for both potable water and wastewater. Provide permanent label showing "OPEN" and arrows.
 - 12) Resilient seated valves shall be coated, interior and exterior, with fusion-bonded epoxy per AWWA C550.
 - d. Valve Applications and Manufacturers:
 - 1) Valves for Potable Water Service: Resilient seated design manufactured by:
 - a) American Flow Control
 - b) Kennedy Valve
 - c) M&H Valve
 - d) Clow Valve Company
 - 2) Valves for Wastewater Service: Resilient seated design manufactured by:
 - a) American Flow Control
 - b) Kennedy Valve
 - c) M&H Valve
 - d) Clow Valve Company
 - e. Valve Requirements: Resilient Seated
 - 1) Conform to AWWA C509 or C515. Also UL and FM approved.
 - 2) Internal and external epoxy coating of valve body, including bonnet, per AWWA C550.
 - 3) Gate shall be encapsulated with synthetic rubber. It shall be bonded and vulcanized in accordance with ASTM B429 Method B.
 - 4) No recesses in valve body.
 - f. Buried Valves: Buried valves shall be as specified in Section 02640.
 - g. Tapping Valves: Tapping valves shall comply with the same requirements as resilient seated gate valves except they shall have the flanged end and port opening modified for tapping service. Valves shall be capable of passing a full nominal sized cutter without damage to the valve. Valves shall have non-rising stems. Tapping sleeves and service clamps for process piping shall be as specified in Section 15120. Valve shall be manufactured by:
 - 1) American Flow Control
 - 2) Kennedy Valve
 - 3) M&H Valve
 - 4) Clow Valve Company
- C. Butterfly Valves for Fluid Service (Metal Body):
- 1. Standard: AWWA C504, certified.
 - 2. Body Type: Short body unless otherwise shown.
 - 3. Pressure Class: Rated at a minimum 150 psig or as specified in the Process Valve Schedule.
 - 4. Construction:
 - a. Body:
 - 1) Cast iron.
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- 2) Body shall have permanently self-lubricating body bushings.
 - 3) Packing :
 - a) Packing shall be of the self-compensating v-type.
 - b) Packing shall be held in place by a bolted corrosion resistant retainer plate or gland; retainer clips are not acceptable.
 - b. Disc:
 - 1) 20-inch and Smaller: Cast iron with Ni-Chrome or stainless steel edge.
 - 2) 24-inch and larger: Cast iron with Ni-Chrome or stainless steel edge.
 - c. Shaft:
 - 1) Type 304 stainless steel.
 - 2) Shaft shall be designed for both torsional and shearing stresses when the valve is operated under its greatest dynamic or seating torque.
 - 3) No reduction of valve diameter will be allowed except at the operator connection.
 - d. Seats:
 - 1) Natural or synthetic rubber.
 - 2) Seats shall be full resistant seats retained in the body or on the disc edge in accordance with AWWA C504.
 - 3) For valves 24 inch in diameter and larger, when the resilient seat is attached to the body, discs shall have Type 316 stainless steel seating edges.
 - 4) When the resilient seat is attached to the disc, it shall be fastened with a one piece Type 316 stainless steel retaining ring, Type 316 stainless steel Nylock set screws and a mating Type 316 stainless steel ring shall be installed in the valve body.
 - e. End Connections: Flanged unless otherwise indicated on the Process Valve Schedule. Flanged valves shall be fully faced.
5. Design:
- a. Valves and their operators shall be designed for a flow velocity meeting their class requirements.
 - b. All valves and operators shall be designed for bi-directional flow.
 - c. Valves 30-inch and larger shall have flow through type vane.
 - d. Replacement of seals, for all butterfly valves, shall not require removal of the valve from the line.
 - e. Replacement of seals on valves 30 inches or larger shall not require disturbing any part of the valve or operator assembly, except any packing follower gland.
6. Actuator:
- a. Gearing for the actuators where required shall be totally enclosed in a gear case in accordance with AWWA C504.
 - b. Manual actuators shall conform to AWWA C504, insofar as applicable. Actuators shall have a permanent indicator with raised or engraved marks to show the position of the valve.
7. Manufacturer:
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- a. Henry Pratt Company
 - b. DeZurik
 - c. Or equal.

C. Butterfly Valves for Air Service (Metal Body):

- 2. Standard: Butterfly valves for air service shall meet ANSI B16.104 and MSS-SP-67, except as modified herein.
- 3. Body Type: Wafer style, except for dead end service, where flanged valves shall be used.
- 4. Construction:
 - a. Body: Cast iron.
 - b. Disc:
 - 1) Bronze, semi-steel, or ductile iron
 - 2) Disc Edge shall be Monel, Type 316 stainless steel, or welded nickel machined to a smooth surface.
 - c. Shaft:
 - 1) Type 316 stainless steel
 - 2) Shaft shall be one piece
 - 3) Shaft seals shall be finished, ground and polished to minimize bearing and shaft seal wear.
 - 4) Shafts of 8 inch or larger valves shall have a non-adjustable thrust collar.
 - d. Seats: Valves shall have resilient seats of reinforced Nordel (EPDM).
 - e. End Connections: Wafer style unless otherwise indicated on the Process Valve Schedule. Flanged valves shall be fully faced.
- 4. Design:
 - a. Wafer style butterfly valves shall have an air profile (undercut) disc.
 - b. Air butterfly valves shall be suitable for 250 degree F continuous and 300 degree F intermittent operation.
 - c. All valves shall be furnished with self lubricating bearings of TFE coated stainless steel.
 - d. Shaft seals shall be provided to prevent leakage and to protect bearings from internal or external corrosion. Use EPDM or Buna-N O-rings or self adjusting packing.
- 5. Actuator:
 - a. Valves 8 inch and smaller shall have 10-position levers.
 - b. All manually actuated valves 10 inch and larger shall be operated using a geared operator.
 - c. All units shall have adjustable open and closed position stops with provision to prevent accidental adjustment changes.
- 6. Manufacturer:
 - a. DeZurik
 - b. Or equal.

D. Check Valve:

- 1. Double Door Disc for Air Service:
 - a. Construction:
 - 1) Body: Cast iron

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- 2) Valve Plate, Clamp Plate, Hinge Post, and Fasteners: Aluminum
 - 3) Seat: EPDM.
 - 4) End Connections: Flanged, ANSI B16-1 Class 125 unless otherwise specified in the Process Valve Schedule.
 - b. Design:
 - 1) The elastomer shall close and seal the valve without using springs or seats.
 - 2) Valves shall be suitable for 250 degree F continuous and 300 degree F intermittent air service.
 - 3) Valve travel shall be 45 degree.
 - b. Manufacturer and Model:
 - 1) Techno Corporation, Model Technocheck 5004
 - 2) Or equal.
 - 2. Plastic
 - a. Type: Ball check, true union type.
 - b. Construction: PVC with EPDM seals and seat.
 - c. Size: Same as connecting piping unless shown otherwise.
 - d. End connections: Flanged or socket welded as shown and specified.
 - e. Manufacturer:
 - 1) Techno Corporation, Model Technocheck 5004
 - 2) Spears Manufacturing Company.
 - 3) ASAHI/America.
 - 4) Chemtrol.
 - 5) Or equal.
- E. Solenoid Valve for Air and Water Service:
- 1. Type: Solenoid valves shall be packless piston type direct acting for sizes less than 1-in and internal pilot operated for sizes 1-in and larger, 2-way or 3-way, valves.
 - 2. Construction:
 - a. Body: Forged brass bodies
 - b. Internal Parts: Type 304 stainless steel
 - c. Seats: Buna-N or Ethylene Propylene
 - d. End Connections: Threaded
 - e. Pressure Class: Valves shall have a minimum 150 psig safe working pressure and zero minimum operating pressure differential.

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3. Design:
 - a. Valves shall be energized to open, except for valves on water seal lines to pumps which shall be energize to close.
 - b. Note that solenoid valves may be shown on Electrical and/or Mechanical Drawings, or may only be specified.
 - c. Solenoid valves shall have NEMA 4X enclosures and operate on 120 volt, 60 hertz single phase unless otherwise shown on the Drawings.
 4. Manufacturer:
 - a. ASCO Valve.
 - b. Red Hat as manufactured by Automatic Switch Co.
 - c. Or equal.

F. Pressure Gauges:

1. Bosses, connections, or nipples for gauges shall be provided as acceptable to the Engineer. Unbossed tappings shall not be acceptable. Where gauge tappings are not available in the suction or discharge nozzle, the necessary tapping in the adjacent piping shall be made.
2. In addition to the locations shown on the Drawings, pressure gauges shall be furnished and installed on the upstream and downstream sides of pressure reducing stations and in the suction and discharge nozzle of all pumps, compressors and similar equipment. Additional pressure gauges shall be furnished and installed as specified with individual equipment.
3. Gauges shall be furnished as part of a complete factory assembly, including gauge, snubber, liquid fill, bar stock ball valve isolation valve and threaded red brass connecting piping.
4. Unless otherwise noted, gauge rating shall be from 0 to at least 2.5 percent higher than the rating of the pipe it is connected to.
5. For Liquid Service:
 - a. Pressure gauges shall have a ABS case and shall be 4-1/2-in nominal diameter with a full-sized Type 316 stainless steel Bourdon tube and a 300 series stainless steel movement. The gauges shall be liquid filled with glycerin and shall be provided with a filler/breather cap. The socket shall be 1/4-in NPT Type 316 stainless steel with a bottom connection and the dial shall be a white background with black markings. Gauges shall be ANSI Grade A plus or minus 1 percent of scale and shall have a blow-out back design.
 - b. Gauges for the above services shall be the appropriate model, liquid filled, as manufactured by U.S. Gauge; Ashcroft; Trerice or equal.
6. Air Service:
 - a. Unless otherwise noted, pressure gauges for low pressure air pipelines shall have a range of 0 to 15 psig.
 - b. Pressure gauges shall have a 300 series stainless steel case and shall be 4-1/2-in nominal diameter with a Type 316 stainless steel Bourdon tube and a 300 series stainless steel movement. The socket shall be 1/2-in NPT Type 316 stainless steel with a bottom connection. Gauges shall have an accuracy of at least plus or minus 0.25 percent of scale. Gauges shall be furnished with needle valve isolation.

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- c. Gauges for air service shall be Model 5840 as manufactured by Marsh Instrument Co., Skokie, IL or equal.
 - 7. Gauges shall be furnished from standard ranges of the manufacturer, with dual range (ft and psi) scales, per the following schedule:

G. Diaphragm Seals for Gauges

- 1. Diaphragm seals shall be installed for all pressure gauges and pressure switches to protect pressure gauges and pressure switches from contact with the fluid in the pipeline. Gauges shall be furnished as part of a complete factory assembly, including gauge, snubber, diaphragm seal, liquid fill, bar stock isolation valve and threaded red brass interconnecting piping. Furnish also a 1/4-in backflushing connection and ball valve.
- 2. For services other than sodium hypochlorite, diaphragm seals shall be minimum 2-1/2-in diameter, or as required for the connected pressure gauges. The diaphragm shall be "thread attached" to both piping and pressure switches or gauges. Furnish mineral oil fill between the diaphragm seal and the gauge.
 - a. Diaphragm seals shall have an upper housing of cadmium plated carbon steel, with the lower housing of Type 316 stainless steel or appropriate material compatible with service fluid and pressure. Bolts shall be Type 304 stainless steel. Diaphragms shall be Teflon.
 - b. Each diaphragm seal shall be connected to its respective piping or equipment with threaded red brass pipe and fittings. Pipe size and diaphragm tap size shall match the size of the gauge tap on the equipment, but shall not be less than 3/4-in, except for connections to plant water piping which shall be minimum 1/2-in. Furnish a ball valve shut-off valve between the pipeline or equipment and the diaphragm seal.
 - c. Each diaphragm seal shall have a minimum 1/4-in NPT flush connection with ball valve and gauge tap to match the size of the gauge.
 - d. Furnish pulsation dampeners adequate to prevent pulsation and/or vibration of the gauge indicator under all system operating conditions.
 - e. Pump gauges shall connect to the diaphragm seal by a flexible Type 304 stainless steel capillary tube. Gauges shall be mounted on a support stand independent of the pump and piping, to minimize vibration of the gauges caused by vibration of the equipment or piping. Mount both the suction and discharge gauges at the same elevation. Furnish supports as specified in Section 15140, or attach gauges to the seal water assembly support (where applicable).
 - f. Diaphragm seals shall be Type SG by Mansfield and Green; Ashcroft or equal.
- 3. Diaphragm seals for sodium hypochlorite chemical piping pressure gauges shall be equal to Series 30 threaded-end (1/2-in to 1-in diameter piping) or Series 40 wafer flange (1-1/2-in to 2-in diameter piping) as manufactured by Red Valve. Body shall be PVC with PVC end caps and diaphragms shall be Hypalon.

H. Ball Valves (Plastic):

1. Type: True union ball valve.
2. Construction: Use same material (PVC or CPVC) as connecting piping, with EPDM shaft seals and Teflon seats.
3. Valve shall be constructed so that seat wear can be adjusted by tightening union nut.
4. Operator:
 - a. Provide manual lever operator unless otherwise shown.
 - b. Electric actuators shall be valve manufacturer's standard for 120 V, single phase power.
5. Size: Provide same size valve as connecting piping unless shown otherwise.
6. End connection: Flanged or socket welded as shown and specified.
7. Manufacturer:
 - a. Spears Manufacturing Company.
 - b. ASAHI/America.
 - c. Chemtrol.
 - d. Or equal.

I. Unions (Plastic):

1. Construction: Use same material (PVC or CPVC) as connecting piping with viton O-rings.
2. Size: Same as connecting piping unless shown otherwise.
3. End connections: Socket welded as shown and specified.
4. Manufacturer:
 - a. Spears Manufacturing Company.
 - b. Chemtrol.
 - c. George Fischer Sloane, Inc.
 - d. Or equal.

J. Hose Bibbs:

1. Service: Plant water.
2. Type: solid wedge, non-rising stem with cap and chain.
3. Location and Size: As shown on the Drawings or otherwise specified.
4. End Connections: Provide quick connect adapter with female NPT as specified.
5. Construction:
 - a. Body and Trim: Bronze.
 - b. Wedge: Bronze.
 - c. Cap and Chain: Bronze.
6. Manufacturer and Model:
 - a. Crane Co. No. 451.
 - b. Or equal.

2.01 VALVE APPURTENANCES

A. Extension Stems, Stem Guides, Wrenches and Keys:

1. Extension stem shall be at least as large as the stem of the valve it operates.
2. Intermediate stem guide shall be installed for extensions more than 10 feet long.

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3. Stem brackets and guides shall be made of cast iron and have fully adjustable bronzed bushed guide block. Fasten brackets to walls with approved expansion bolts.
 4. Operating nuts about 2 inches square shall be included with extension stem.
 5. Provide operating key or wrench of suitable length and size for each valve that is not readily accessible to direct operation.
- B. Extension Bonnets: Shall be provided as shown on drawings or Process Valve Schedule. Extension shall be of adequate length to place top of bonnet as shown on the drawings.
- C. Manual Operators:
1. Type: Handwheel, lever, chainwheel, chainlever or operating nut.
 2. Location:
 - a. Handwheel or Lever: Comply with Process Valve Schedule.
 - b. Chainwheel or Chainlever: Provide on all valves more than 6 feet 6 inches above the operating floor level or as otherwise specified in Process Valve Schedule.
 3. General:
 - a. Conform to the requirements of AWWA C504.
 - b. Maintain valve position in any intermediate position without creep or flutter.
 - c. Designed to prevent over travel of valve at either full open or closed position.
 - d. Designed to produce required torque at a maximum input pull of 80 pounds.
 4. Gearing:
 - a. Provide worm gear operators for all handwheel and chainwheel operated butterfly valves.
 - b. Design: Totally enclosed.
 5. Chainwheel Operator Details:
 - a. Chainwheel: Manufacturer's standard design or sprocket wheel bolted directly to valve handwheel.
 - b. Chain:
 - 1) Material: Zinc-coated steel.
 - 2) Length and Size: As reviewed by the ENGINEER.
 - c. Chain Hold Device: Equip each operator with 1/2-inch hook bolt located to keep chain out of walking area.
 6. Additional Butterfly Valve Operator Details:
 - a. Stop-limiting Devices: Provide for open and closed positions.
 - b. Design: Adequate to avoid damage to all components from 200 lb pull on handwheel or chainwheel operators or 300 ft-lb input torque from operating nuts.
- D. Motor Operators:
1. Electric Open/Closed Valve Actuators:
 - a. General:
 - 1) Self contained unit with drive motor and controls, reduction gearing, limit and torque switching gearing, declutching device and auxiliary handwheel;
 - 2) Torque Rating: 1.5 times maximum required torque;

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- 3) Gearing capable of opening or closing valve from one extreme to the other in not less than 30 seconds nor more than 60 seconds;
 - 4) Mechanical Stops: Internal limit stops to prevent overtravel;
 - 5) Rotation: 90 degrees reversible;
 - 6) Limit switches for valve open/closed control;
 - 7) Auxiliary Limit Switches for Remote Position Indication: 4 SPDT required -- 2 for open and 2 for closed indication;
 - 8) Adjustable torque switches to protect motor in the event of excessive torque developed during travel in either direction;
 - 9) Handwheel:
 - a) Provide integral declutching mechanisms to disengage motor and motor gearing mechanically;
 - b) Design so handwheel does not rotate during motor operation;
 - c) Design to produce required torque at maximum input pull of 80 pounds.
 - 10) Enclosure: NEMA 4.
- b. Electrical Features:
- 1) Characteristics:
 - a) Power Supply: 480-volt, 3-phase, 60 Hz;
 - b) Control Power: 120 volt, single phase, 60 Hz;
 - 2) Motor duty rating sufficient for one complete open-close-open or reverse cycle without exceeding motor temperature rating;
 - 3) Integral reversing magnetic starter;
 - 4) Circuit breaker disconnect with external operating handle;
 - 5) 120 volt, single phase space heater, if required to eliminate moisture;
 - 6) Local Controls:
 - a) Remote/local switch;
 - b) Open and closed position indicating lights;
 - c) Reversible, intermittent contact open-stop-closed switch;
 - d) Mount controls on the cover of the unit.
- c. Manufacturer:
- 1) Limitorque;
 - 2) AUMA;
 - 3) Rotork;
 - 4) Or equal.
- E. Miscellaneous: Double pole, double throw, isolated circuits with lever operator and in NEMA enclosure.
- F. Painting: All ferrous surfaces shall be shop primed and field painted. Painting shall be in accordance with Section 09900.

2.03 VALVE SCHEDULE

- A. Attached at the end of this Section is the "Process Valve Schedule" for valves 4-inches and larger. Conform to the type, size, joint, press operator and designation shown unless otherwise approved by ENGINEER.
- B. This schedule may be subject to revision to suit equipment actually installed or to provide for valves inadvertently omitted. CONTRACTOR shall provide all valves as shown on schedules and Drawings.
- B. Valves are identified by a letter and number code. First two or three letters designate type of valve. The number designates a certain size, connection and operator for that type of valve. Identifying legends follow:

FIRST TWO OR THREE LETTERS	TYPE OF VALVES
CV	CHECK VALVES
BFV	BUTTERFLY VALVE
BV	BALL VALVE

- C. Connection Abbreviation:
1. Flanged Joint: F
 2. Threaded: T
 3. Mechanical Joint: MJ
- D. Valve Identification Tags C Not required in this Contract.

PART 3 – EXECUTION

3.01 INSTALLATION - GENERAL

- A. All valves and appurtenances shall be installed per the Manufacturer's instructions in the locations shown, true to alignment and rigidly supported. Any damage to the above items shall be repaired to the satisfaction of the ENGINEER before they are installed.
- B. Install all brackets, extension rods, guides, the various types of operators and appurtenances as shown on the Drawings, or otherwise required. Before setting these items, the CONTRACTOR shall check all Drawings and figures which have a direct bearing on their location. The CONTRACTOR shall be responsible for the proper location of valves and appurtenances during the construction of the Work.
- C. All materials shall be carefully inspected for defects in construction and materials. All debris and foreign material shall be cleaned out of openings, etc. All valve flange covers shall remain in place until connected piping is in place. All operating mechanisms shall be operated to check their proper functioning and all nuts and bolts checked for tightness.

Valves and other equipment which do not operate easily, or are otherwise defective, shall be repaired or replaced at no additional cost to the OWNER.

- D. Where installation is covered by a Referenced Standard, installation shall be in accordance with that Standard, except as herein modified, and the CONTRACTOR shall certify such. Also note additional requirements in other parts of this Specification.
- E. Unless otherwise noted, joints for valves and appurtenances shall be made up utilizing the same procedures as specified under the applicable type connecting pipe joint and all valves and other items shall be installed in the proper position as recommended by the Manufacturer. CONTRACTOR shall be responsible for verifying Manufacturer's torquing requirements for all valves.

3.02 INSTALLATION OF MANUAL OPERATIONAL DEVICES

- A. Unless otherwise noted, all operational devices shall be installed with the units at the factory, as shown on the Drawings or as acceptable to the ENGINEER to allow accessibility to operate and maintain the item and to prevent interference with other piping, valves and appurtenances.
- B. For manually operated valves 3-in in diameter and smaller, valve operators and indicators shall be rotated to display toward normal operation locations.
- C. Floor boxes, extension stems and low floor stands shall be installed vertically centered over the operating nut, with couplings as required and the elevation of the box top shall be adjusted to conform with the elevation of the finished floor surface or grade at the completion of the Contract. Boxes and stem guides shall be adequately supported during concrete pouring to maintain vertical alignment.

3.03 INSPECTION, TESTING, AND CORRECTION OF DEFICIENCIES

- A. See also Division 1. Take care not to over pressure valves or appurtenances during pipe testing. If any unit proves to be defective, it shall be replaced or repaired to the satisfaction of the ENGINEER.
- B. Functional Test: Prior to plant startup, all items shall be inspected for proper alignment, proper operation, proper connection and proper performance.
- C. The various pipe lines in which the valves and appurtenances are to be installed are specified to be field tested. During these tests any defective valve or appurtenance shall be adjusted, removed and replaced, or otherwise made acceptable to the ENGINEER.
- D. Various regulating valves, strainers, or other appurtenances shall be tested to demonstrate their conformance with the specified operational capabilities and any deficiencies shall be corrected or the device replaced or otherwise made acceptable to the ENGINEER.

3.04 CLEANING

All items (including valve interiors) shall be cleaned prior to installation, testing, disinfection and final acceptance.

3.05 DISINFECTION

Disinfection of valves and appurtenances on all potable water lines and where otherwise noted, shall be as noted in Section 15054.

*** * END OF SECTION * ***

SCHEDULE 15100**PROCESS VALVE SCHEDULE****THIS SCHEDULE SHALL BE USED AS A GUIDE ONLY.**

DESIGNATION	SIZE AND CONNECTION	OPERATOR	REMARKS
BFV-6	8" F	ELECTRIC	Filter Effluent, with manual override
BFV-12	14" F	ELECTRIC	Filter Backwash Supply, with manual override
BFV-24	14" F	ELECTRIC	Filter Backwash Drain, with manual override
BFV-30	8" F	ELECTRIC	Filter-to-Waste, with manual override
BFV-40	6" F	ELECTRIC	Air Scour, with manual override, Air Service
BFV-18	12" F	MANUAL	Filter Influent Isolation Valve, with Chain Operator

N/A - NOT APPLICABLE

SECTION 15120

PIPE SLEEVES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Scope: Furnish all labor, materials, equipment and incidentals required to provide complete and operational wall pipes, floor pipes, and pipe sleeves as shown and specified.
- B. Coordination: Review installation procedures under other Sections and coordinate with the work which is related to this Section including concrete, piping systems, valves, plumbing, and heating, ventilating and air conditioning.
- C. Related Work Specified Elsewhere:
 - 1. Section 03315, Concrete and Grout..
 - 2. Section 09900, Painting.
 - 3. Division 15, Mechanical.

1.02 SUBMITTALS

- A. Comply with the general requirements of Section 01340 and the supplemental requirements below.
- B. Submit detailed drawings and data for all wall and floor pipes and wall and floor pipe sleeves. Coordinate and submit with Shop Drawings required for all piping systems under Section 15054.

1.03 Delivery, Storage and Handling

Comply with the requirements of Sections 01600.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Wall and Floor Pipes:
 - 1. Material: Same as piping connected to wall or floor pipe unless otherwise reviewed by the ENGINEER.
 - 2. End Connections: Comply with connected piping.
 - 3. Thickness: Same as connected piping.
 - 4. Collars: Provide collar at mid-point of wall for anchorage and water tightness unless otherwise shown or reviewed.
 - 5. Piping ends shall be flush with wall face unless otherwise shown.
 - 6. Flanged end and mechanical joint bells shall be drilled and tapped for studs. Provide studs of the same material as connected piping except submerged and buried studs shall be stainless steel.

B. Pipe Sleeves:

1. Ferrous and Plastic Pipe: Standard weight steel pipe or ductile or cast iron pipe unless otherwise shown.
2. Copper Pipe: Type K hard drawn copper pipe unless otherwise shown.

C. Mechanical Sleeve Seals:

1. Use modular type mechanical seals with interlocking synthetic rubber links loosely assembled with bolts and pressure plates under each bolt head and nut shaped to continuously fill the annular space between the pipe and sleeve.
2. Tightening of the bolts shall cause the rubber sealing elements to expand and provide a positive watertight seal between the pipe and sleeve.
3. Construct to provide electrical insulation between the pipe and sleeve to reduce the possibility of cathodic reaction.

D. Wall and Ceiling Plates:

1. Bare Pipes Passing Through Walls and Ceilings in Finished Rooms: Provide clevis or split ring and hinged cast brass or nickel plated cast iron escutcheon plates with set screws.
2. Insulated Pipes Passing Through Walls and Ceilings in Finished Rooms: Provide 18-gauge plated-steel escutcheon plates.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Reference: Install as shown and in accordance with approved Shop Drawings.

B. Pipe Sleeves:

1. Use sleeves wherever pipes pass through walls, partitions, floors, and roofs unless wall or floor pipe shown.
2. Extend all sleeves through floor slabs 6 inches minimum above finished floor.
3. Anchor sleeves to concrete and masonry walls as shown or otherwise reviewed. Steel sleeves may be welded to reinforcing steel at CONTRACTOR'S option.
4. Install sleeves through walls flush with wall face.
5. Ensure that sleeves are not damaged or moved during placement of concrete.
6. Shop prime cast wall sleeves in accordance with Section 09900.
7. Seal annular space between pipe and sleeve with mechanical seals.
8. All pipe joints and annular spaces in exterior walls or walls subjected to hydrostatic pressure shall be completely watertight. Use mechanical seals.
9. Use mechanical seals on both faces of the wall for pipe penetrating walls into rooms with chlorine and fluoride feed equipment.
10. Size sleeves to provide annular space as follows if sleeve size is not shown on drawings:

Pipe Size	Sleeve ID Minus Pipe Or Insulation OD
Less Than 2 inches	1/2 to 3/4 inch
2 to 4 inches	3/4 to 1-1/4 inches
6 to 12 inches	1-1/4 to 2 inches
Over 12 inches	2 to 3 inches

11. Install no sleeves nor pipes through structural members unless specifically shown or reviewed by ENGINEER.

END OF SECTION

SECTION 15140

HANGERS, SUPPORTS, AND RESTRAINTS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Scope: Furnish all labor, materials, equipment and incidentals required to design and to provide hangers, supports, restraints and appurtenances for all piping systems complete and operational as shown and specified.
- B. Coordination:
 - 1. Review installation procedures under other Sections and coordinate the Work that must be installed with or attached to the hangers and supports.
 - 2. Notify other contractors in advance of the Work to provide them with sufficient time for the installation of and coordination of items included in their contracts that must be installed in conjunction with the hangers and supports.
- C. Related Work Specified Elsewhere:
 - 1. Section 09900, Painting.
 - 2. Section 15054, Exposed Piping Installation.
 - 3. Section 15100, Valves and Appurtenances.

1.02 QUALITY ASSURANCE

- A. Source Quality Control: Obtain each type of pipe hanger or support from no more than one manufacturer.
- B. Reference Standards: Comply with applicable provisions and recommendations of the following, except as otherwise shown or specified.
 - 1. The Manufacturer's Standardization Society of the Valve and Fittings Industry:
 - a. MSS SP-58, Pipe Hangers and Supports C Materials and Design.
 - b. MSS SP-69, Pipe Hangers and Supports C Selection and Application.
 - 2. Federal Specification, FS W-H-171, Hangers and Support, Pipe.
 - 3. ASTM A 575, Steel Bars, Carbon, Merchant Quality, M-Grades.
 - 4. Underwriters' Laboratories, Inc., Standard UL-203-Pipe Hanger Equipment.

1.03 SUBMITTALS

- A. Shop Drawings:
 - 1. Submit detailed Shop Drawings showing all hangers, supports and restraints for all piping systems.
 - 2. Show location, installation, material, loads or forces, and deflection of all hangers and supports.
 - 3. Each pipe system shall be analyzed for all loads and forces on the hangers, supports and restraints, and their reaction forces to the structure to which they are fastened.

-
4. No material shall be fabricated into hangers, supports or restraints, without the approval of the ENGINEER.

- B. Manufacturers' Literature: Submit to the ENGINEER: manufacturers' catalogs, literature and engineering data on all hangers, supports and restraints. Load ratings, materials and installation shall be consistent with the recommendations of the MSS SP-58 and MSS SP-69.

1.04 PRODUCT DELIVERY, STORAGE AND HANDLING

Comply with the requirements of Section 01600.

PART 2 - PRODUCTS

2.01 GENERAL REQUIREMENTS

The hangers and supports shall meet with the following requirements unless otherwise indicated on the Plans:

- A. Standard and fabricated hangers and supports shall be furnished complete with necessary inserts, bolts, nuts, rods, washers, and other accessories.
- B. Run piping in groups where practicable and parallel to building wall generally. Provide minimum clearance of one inch between pipe and other work.
- C. Install hangers or supports at all locations where pipe changes direction.
- D. All hangers and supports shall be capable of adjustment after placement of piping.
- E. Each type of hanger or support shall be the product of one manufacturer. Types of hangers or supports shall be kept to a minimum.
- F. All suspended or supported cast iron pipe shall have a hanger or support adjacent to each hub.
- G. Vertical piping shall be supported at each floor and between floors by stays or braces to prevent rattling and vibration.
- H. Hanger rods shall be straight and vertical. Chain, wire, strap or perforated bar hangers shall not be used. Hangers shall not be suspended from piping.
- I. Maximum support spacing unless otherwise shown or approved for metal pipe shall be as follows:

<u>Pipe Size (in.)</u>	<u>Spacing (ft.)</u>
Up to 1-1/2"	6
2 through 3	10
3-1/2 and greater	12

-
- J. Maximum support spacing unless otherwise shown for plastic pipe at ambient temperature shall be one-half of the values specified for metal pipe.
 - K. Where proper hanger or support spacing does not correspond with joist or rib spacing, structural steel channels may be attached to joists or ribs and pipes suspended therefrom.
 - L. Prevent contact between dissimilar metals when supporting copper tubing, by use of copper plated rubber or vinyl coated, or stainless steel hangers or supports.
 - M. Thin-walled stainless steel piping shall be isolated from carbon steel by use of plastic coated hangers or supports or by taping at points of contact with PVC or vinyl.
 - N. Use galvanized or stainless steel hangers and supports as indicated on the Plans in all basins or submerged locations and as shown on the Drawings.

2.02 HANGERS AND SUPPORTS

- A. General:
 - 1. Hangers and supports where shown shall be in accordance with detail drawings.
 - 2. Hangers and supports not shown shall be in accordance with MSS SP-58.
 - 3. All hangers, supports and accessories shall be hot dipped galvanized unless otherwise indicated on the Plans.
- B. Plastic and Ductile Iron Pipe: 1/2 inch through 24 inch:
 - 1. Hangers:
 - a. Type: Adjustable wrought clevis.
 - b. Product and Manufacturer:
 - (1) Figure 260 by Anvil.
 - (2) Or equal.
 - 2. Riser Clamps: Product and Manufacturer:
 - a. Figure 261 by Anvil.
 - b. Or equal.
 - 3. Pipe Saddles:
 - a. Type: Cast iron saddle.
 - (1) Product and Manufacturer:
 - (2) Figure 258 by Anvil.
 - (3) Or equal.
 - 4. Pipe Stanchion Saddle:
 - a. Type: Cast iron saddle with steel yoke and nuts.
 - b. Product and Manufacturer:
 - (1) Figure 259 by Anvil.
 - (2) Or equal.
 - 5. Adjustable Pipe Saddle Support:
 - a. Type: Cast iron saddle and reducer with nipple.
 - b. Product and Manufacturer:
 - (1) Figure 264 by Anvil.
 - (2) Or equal.

-
6. Miscellaneous:
 - a. Supply all pipe saddles including adjustable and stanchion types with pipe supports and mounting flanges.
 - b. Modify hangers and supports as required for stainless steel piping.

C. Copper Pipe:

1. Pipe Sizes: 1/2 inch through 4 inch.
2. Hangers:
 - a. Type: Copper tubing split ring.
 - b. Product and Manufacturer:
 - (1) Figure CT-109 by Anvil.
 - (2) Or equal.
3. Riser Clamps:
 - a. Copper tubing riser clamp.
 - b. Product and Manufacturer:
 - (1) Figure CT-121 by Anvil
 - (2) Or equal.

2.03 FABRICATED CONCRETE AND STEEL HANGERS, SUPPORTS AND RESTRAINTS

Provide fabricated concrete and steel hangers, supports and restraints as shown and specified. Materials and design shall conform to the standards of MSS SP-58.

2.04 ACCESSORIES

- A. Hanger rods shall be made from ASTM A 575, with square head nut on top and running thread on bottom end.

1. Minimum size hanger rods shall be according to schedule below unless otherwise shown or specified.

Pipe Size (Inches)	Rod Diameter (Inches)
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1/2 through 4	3/8
---------------	-----

6 through 10	1/2
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12 through 24	5/8
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2. Furnish rod attachments including sockets, couplings and turn buckles as required.

B. Concrete Inserts:

1. Concrete inserts shall be MSS SP-58 malleable Type 18.
2. Concrete inserts shall be of the continuous type capable of supporting 2,000 pounds per foot of insert as shown on the Drawings. The continuous inserts shall be as manufactured by one of the following:
 - a. Unistrut Corporation, Wayne, Michigan.
 - b. Or equal.

C. Steel Beam Clamps:

1. Standard Duty: Malleable iron conforming to MSS SP-58 Type 21.
2. Heavy Duty: Forged steel conforming to Federal specification WW-H-171c, Type 28, Anvil.Fig. 292, Size 2 or equal.

D. Inserts for Pipe Insulation:

1. Insulated pipe, larger than 1-1/2 inches in diameter, shall be supported by a rigid insert to protect the insulation.
2. A steel metal saddle of sufficient gage to carry the weight of the pipe and its fluid without deforming shall extend 2 inches minimum on each side of the rigid insert.
3. The joints between insert and insulation shall be sealed before saddle is installed.
4. Sizes up to 6 inches IPS shall be MSS SP-58 Type 40 and for sizes over 10 inches shall be MSS SP-58 Type 39.

E. Brackets:

1. Brackets for wall mounting shall be MSS SP-69 Type 33.
2. Product and Manufacturer:
 - a. Figure 199 by Anvil
 - b. Or equal.

2.05 PAINTING

A. Shop Priming:

1. Comply with the general requirements of Section 09900.
2. Apply primer to surfaces to be painted. Primer to be as specified in Section 09900 and to be the same primer included in the approved paint system.
3. CONTRACTOR shall coordinate primer and finish paint systems with paint manufacturer. No equipment shall be painted until paint systems under Section 09900 have been submitted and approved.

- B. CONTRACTOR shall field apply finish coat as specified in Section 09900 unless otherwise specified.

PART 3 - EXECUTION

3.01 GENERAL

Restrain, block, brace, support or suspend pipe fittings as shown on the Drawings and as required to prevent displacement, vibration, sagging, warping, deformation, or failure of piping and fittings while allowing for expansion and contraction.

3.02 INSTALLATION

- A. Locate hangers, supports, and accessories to support piping, valves, and at all concentrated loads.

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- B. Locate hangers, supports and accessories within maximum span lengths specified to support continuous pipeline runs unaffected by concentrated loadings.
 - C. Install items to be embedded before concrete placement.
 - D. Fasten embedded items securely to prevent movement during concrete placement.
 - E. Install hangers and support units on piping systems as recommended by manufacturer.
 - F. Install all pipe saddles on 4-inch raised concrete pads complete with anchor bolts which extend through the support to the original floor. One-inch grout pads may be substituted where approved by the ENGINEER.
 - G. Adjust hangers and supports and place grout for concrete supports to bring pipelines to specified elevations.

3.03 ACCEPTANCE AND SERVICE

- A. Acceptance: All pipe systems shall be brought up to operating pressures and temperatures. Systems shall be cycled to duplicate operating conditions. All malfunctions shall be corrected.
- B. Service: CONTRACTOR shall maintain and service all piping systems, hangers and supports for a period of one year after acceptance of the work. CONTRACTOR shall furnish all labor and materials to readjust and correct faults with hangers and supports for the piping systems installed.

END OF SECTION

SECTION 16010

GENERAL REQUIREMENTS

PART 1 - GENERAL

1.01 GOVERNING CLAUSE

The phrase "CONTRACTOR shall furnish and install" unless specified or indicated otherwise, shall be omitted for the sake of brevity in these specifications. However, these phrases are implied. Any mention of material and/or operations in the specifications or drawings will require CONTRACTOR to furnish and install such materials and perform each and every operation required for a complete and operable system and to the complete satisfaction of the ENGINEER. The drawings are diagrammatic and may not necessarily show each and every wire, conduit, conduit routing, junction electrical box and/or final connection required for all pieces of equipment. However, the intent of this paragraph is to require that the CONTRACTOR furnish labor and materials to make all required final electrical power connections whether or not shown to all equipment shown on the drawings issued as bidding documents for this project.

1.02 GENERAL CONDITIONS

- A. General Conditions, Supplementary General Conditions, Information to Bidders, General Requirements, Special Conditions, Addenda, Wage Rates, and other pertinent documents issued under these specifications shall be complied with in every respect as though fully written herein.
- B. Notwithstanding any reference in the specifications to any article, device, product, material, fixture, form or type of construction by name, make or catalog number, such reference shall be interpreted as establishing a standard of quality and performance and shall not be construed as limiting competition; and in such cases, may at his option use any article, device, product, material, fixture, form or type of construction which in the final judgment of the ENGINEER expressed in writing, is an approved equal to that specified.

1.03 RECORD DRAWINGS AND OPERATING AND MAINTENANCE MANUALS

Furnish to the ENGINEER at job acceptance and completion, the following in compliance with Section 01720:

- A. Record Drawings: One set of blue line prints marked in black, showing an accurate location of all variations of the work actually installed related to the original drawings. The drawings shall include all approved and installed Change Orders, field condition changes, and other variations from the original plans and specifications.
- B. Operation and Maintenance Manuals: Furnish three copies of an operation and maintenance manual for each electrical system and for each piece of equipment. Three copies of the complete manuals bound in a 3" - 3 ring black binder with color coded tabs as directed by the ENGINEER labeling all shop drawings, approved manufacturers brochures, control diagrams,

maintenance instructions and other data required by the contract documents reflecting the record fabrication and installation of all systems or equipment installed. One manual shall be furnished prior to the time that the system or equipment tests are performed. The remaining two manuals shall be furnished to the ENGINEER before the contract is closed-out.

- C. The following identification shall be inscribed in minimum 3/4" high alphabet type letters on the outside front corner: The words "OPERATING AND MAINTENANCE MANUAL", the name and location of the project and the contract number. The manual shall include the names, addresses, and telephone number of each subcontractor installing equipment and systems, and the local manufacturer's representative for each item of equipment and each system. This information shall be contained on the first page of the binder. Lettering shall be permanent signage and not stick-on type.
- D. The manual shall have a typewritten table of contents with the tab sheets placed before instructions covering the subject. The instruction sheets shall be legible with large sheets of drawings folded in. The manual shall include a system layout showing circuits, devices, and controls; control diagrams with explanation of operation and control of each component; start-up control sequence, and operation; a detailed description of the function of each principal component of the system; the procedure for starting; the procedure for operating; shut-down instructions; installation instructions, maintenance and overhaul instructions; lubrication schedule including type, grade, illustrations; test procedures; performance data; and parts list. The parts list for equipment shall indicate the sources of supply, recommended spare parts, and the service organization which is reasonably convenient to the site. The manual shall be complete in all respects for all equipment, controls, and accessories provided.

1.04 TESTS AND INSPECTIONS

The complete job shall be, during actual construction, and for the warranty provision period, subject to the supervision of the ENGINEER and will have the following tests and inspections conducted without any additional cost to the contract.

- A. By ENGINEER'S inspections and tests conducted by him or for him in his presence. Upon written notice, CONTRACTOR shall furnish not to exceed two men, one to include the job foreman and tools to assist and be directed by the ENGINEER for a reasonable amount of time to make such tests and inspections as are requested by the ENGINEER pertaining to the safety and operation of any device or system installed.
- B. By complete insulation break-down tests with a megger of each and every branch circuit, and service entrance. All 600 volt conductors shall meet a minimum of resistance of 1,000,000 OHMS. Tests shall be performed prior to any connections to overcurrent devices, devices or equipment. All readings shall be made in the ENGINEER'S presence or his authorized representative and a type-written report of same submitted to him before the job is subject to his approval. The manufacturer, cat. no. and type or megger shall be noted on the report.
- C. By any federal, state or local authority having jurisdiction of the project.
- D. By the Mississippi State Rating Bureau. After inspection by this agency, corrections of any deficiencies shall be made which were found adversely affecting the insurance to be carried

by the OWNER. Acceptance of the Rating Bureau's report or subsequent reports lie with the ENGINEER or OWNER. Electrical contractor/subcontractor shall pay all cost for this work.

- E. Properly phase out the entire electrical system to balance all loads as close as possible.
- F. Certified Test Reports: Before any equipment or materials are delivered to the project site, certified copies of all test reports specified in the individual sections of this specification shall be submitted to the ENGINEER for his approval.

1.05 GUARANTEE

- A. Guarantee to the OWNER all work performed and all equipment installed under this contract shall be free from defects in workmanship and materials for a period of one year unless noted otherwise from date of final written acceptance by the ENGINEER and the OWNER.
- B. Defects shall be corrected arising during this one year period at the CONTRACTOR'S own expense, upon written notice of the OWNER or his authorized representative.

1.06 GENERAL INFORMATION

- A. Plans are diagrammatic. Judgment and care shall be exercised to install all electrical work in a practical manner which shall function properly and fit the construction and finishes. Electrical devices not shown or specified which shall be required or any device or system to produce a complete and operative system shall be brought to the ENGINEER'S attention at least five days prior to the bid date in order for such devices to be noted or clarified in an addendum, otherwise furnished at his own expense.
- B. Cooperate with others in laying out work so that the electrical phase of the work will properly fit the construction and finishes. Space requirements, etc. other than that shown on the plans required to facilitate the electrical construction, shall be brought to the ENGINEER'S attention prior to commencing any work so that proper action may be taken to remedy this.
- C. Exact location of equipment shall be determined on the job. **Do not scale electrical drawings for exact location of any equipment.** All mounting heights shall be verified prior to rough-in.
- D. ENGINEER reserves the right to change the location of any equipment improperly installed and to change the exact location of any equipment connection location up to twenty feet prior to rough-in with no additional cost to the contract.
- E. Circuit grouping, conduit or cable runs are indicated diagrammatically with number of conductors shown in each raceway to clarify the operation and function of various systems. Provide the proper number of conductors and conduits or cables to produce an operative system as specified herein. Where conductors are not shown, consult manufacturer's recommendations.
- F. Branch circuit shall be indicated as 2 or 3 wire circuits unless otherwise noted. No two ungrounded conductors will be connected to the same ungrounded main in any panel. There

shall be no splicing of branch circuit conductors in any panel, safety switch or non-automatic circuit breaker in separate enclosures.

- G. All materials shall be new (unless otherwise noted on the drawings or specified herein) and of approved equal or superior quality to those specified. All equipment or materials shall conform to the latest requirements of Underwriter's Laboratories, National Electrical Code, National, State or local agency having jurisdiction, American National Standards Institute (ANSI), National Electrical Safety Code and National Fire Protection (NFPA) Codes.
- H. All conductors shall be color coded as specified herein. All conductors not complying with the specified color code shall be removed and replaced solely at the electrical subcontractor's expense.
- I. All materials, devices, equipment, etc. shall be installed, tested and connected in strict compliance with manufacturer's recommendations.
- J. Install all materials, equipment, devices, etc. in a neat and workmanlike manner. Use only experienced labor or employ appropriate subcontractor to do all cutting and patching necessary for the installation of his materials.
- K. Protect from damage all apparatus and equipment furnished on this project. Equipment and materials shall be properly stored and adequately protected and carefully handled to prevent damage before and during installation. Equipment and materials shall be handled, stored and protected in accordance with the manufacturer's recommendations and as approved by the ENGINEER. Electrical conduit shall be stored to provide protection from the weather and accidental damage. Plastic conduit shall be stored on even supports and in locations not subject to direct sun rays or excessive heat. Cables shall be sealed, stored and handled carefully to avoid damage to the outer covering or insulation and damage from moisture and weather. Any piece of equipment or material marred or damaged shall be repaired, repainted and/or replaced to the complete satisfaction of the ENGINEER.
- L. Any piece of equipment, switch, device, etc. shown mounted on and/or adjacent to any installed equipment which, if installed, may impair the proper operation of that equipment, shall be removed by the electrical contractor/subcontractor as required in order that installed equipment shall function properly. ENGINEER shall be notified immediately if any such condition exists.

1.07 REMOVAL OF SALVAGE MATERIAL AND DEBRIS

It shall be the responsibility of the CONTRACTOR to have all trash, salvage material, etc. related to the electrical work completely removed from the project site at all times during construction.

1.08 TRENCHING AND BACKFILLING

- A. All trenching shall be done by mechanical means and all sides straight and vertical. Width of trenches shall not exceed eight inches on either side of placed equipment.
- B. All backfill material and compaction shall meet requirements of Section 02200.

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- C. Where required by safety or recommended standards and where any excavated trench or hole is more than five feet deep, install shoring on all sides to protect against sides caving in. Shoring method and material shall be the CONTRACTOR'S responsibility.

1.09 CUTTING, PATCHING, FINISHING AND PAINTING

- A. The CONTRACTOR shall be responsible for all cutting required to install his work. All existing walls shall be carefully trenched, cut, etc. to depths required to completely recess conduit and boxes. Where masonry walls are encountered, blocks and/or brick shall be carefully saw cut to exact box dimensions and conduit shall be routed in cavities, air spaces, etc.
- B. It shall be the responsibility of the CONTRACTOR to have all patching, finishing, painting, etc. done by qualified personnel related to his work.
- C. It shall be the responsibility of the CONTRACTOR to have all exposed conduit, piping and wireways painted where exposed in any space or location.

1.10 CORROSION PROTECTION

It is the intent of these specifications to have all joints, connections, etc. exposed to climatic conditions to be completely watertight using the following:

- A. Nylon gland rings on all Liquid-tite conduit connectors.
- B. Nylon gland rings on all locknuts installed in boxes subject to moisture.
- C. Insulated throat connectors on all compression connectors.
- D. Corrosion inhibitors shall be placed in all environmental, control panels, exposed to damp or wet locations. Inhibitors shall be an approved equal to "Hoffman" A-HCI-1, A-HCI-5 and A-CI-40 and shall be sized in accordance with volume content of the device to be protected.
- E. Where equipment is exposed to severe conditions such as salts, acids, alkalies, sewer gases, etc., all equipment shall be sprayed inside and out with two coats of General Electrical "Glyptal No. 1201-A" or an approved equal.

1.11 PROJECT SITE INSPECTION

It shall be the responsibility of the CONTRACTOR to visit the proposed sites and make his own observation of the work to be done under the plans and specifications and same shall be contained in his bid proposal. Failure to do so will not relieve him of any responsibility and will not be justification for requesting additional money from the OWNER.

1.12 COORDINATION OF EXISTING UTILITIES

It shall be the responsibility of the CONTRACTOR to coordinate all existing utilities location both overhead and underground and verify their locations with the various utilities prior to commencing any work. CONTRACTOR shall call Mississippi One Call System, (601) 362-4374, and obtain a utility location request number and refer to this number each time a utility company is notified of diggings or trenching near their utilities. Failure to do this shall not relieve him of any responsibility and will not be justification for requesting additional money from the OWNER due to damage of any of these utility lines.

1.13 CONSTRUCTION TOOLS, UTILITIES AND BUILDINGS

The CONTRACTOR shall furnish all tools, utilities, job office and storage buildings required for his use and to protect all electrical equipment as directed by the ENGINEER.

1.14 PAYMENT ITEMS

Progress payments shall be made to the CONTRACTOR based on the percentage of work performed on various payment items. The electrical payment items shall be included with the preliminary schedule of values and payment requests submitted by the CONTRACTOR.

1.15 MANUFACTURER'S RECOMMENDATIONS

Where installation procedures are specified to be in accordance with the recommendations of the manufacturer of the material or equipment being installed, printed copies of these recommendations shall be furnished to the ENGINEER by the CONTRACTOR prior to installation. Installation of the item will not be allowed to proceed until the recommendations are received. Failure to furnish these recommendations can be cause for rejection of the material.

1.16 SUBMITTALS

Specific items requiring submittals shall be as specified herein. Shop drawings shall be submitted and approved before procurement, fabrication or delivery of such items to the project site. Partial submittals are not acceptable; such submittals will be returned without review.

- A. Manufacturer's Data: Submittals for each manufactured item shall be manufacturer's descriptive literature, equipment drawings, diagrams, performance and characteristic curves and catalog cuts. Each submittal shall include the manufacturer's name, trade name, catalog model or number, nameplate data, size, layout dimensions, capacity, specification reference, applicable federal, military and industry specification references and all other information necessary to establish contract compliance.
- B. Shop drawings shall show types, sizes, accessories, elevations, plans, sectional view, installation details, elementary diagrams and wiring diagrams. Wiring diagrams shall identify circuit terminals and shall indicate the internal wiring for each item of equipment and the interconnection between the items. Drawings shall also indicate adequate clearance for operation, maintenance and replacement of operating equipment devices.

If any equipment is disapproved, the drawings shall be revised to show acceptable equipment and be resubmitted.

- C. **Standards Compliance:** When materials or equipment must conform to the standards of organizations such as the American National Standards Institute (ANSI), American Society for Testing and Materials (ASTM), National Electrical Manufacturer's Association (NEMA) and Underwriters' Laboratories (UL), proof of such conformance shall be submitted to the ENGINEER for approval. If any organization uses a label or listing to indicate compliance with a particular standard, the label or listing will be acceptable evidence, unless otherwise specified in the individual sections. In lieu of the label or listing, the CONTRACTOR shall submit a certificate from an independent testing organization, which is competent to perform acceptable tests and is approved by the ENGINEER. The certificate shall state that the item has been tested in accordance with the specified organization's test methods and that the item conforms to the specified organization's standard. For materials and equipment whose compliance with organizational standards or specifications is not regulated by an organization using its own listing or label as proof of compliance, a certificate of compliance from the manufacturer shall be submitted for approval. The certificate shall identify the manufacturer, the product and the referenced standard and shall simply state that the manufacturer certifies that the product conforms to all requirements of the project specification and of the referenced standards listed.

PART 2 - PRODUCTS

2.01 MATERIALS AND EQUIPMENT

All materials, equipment and devices shall, as a minimum standard, meet the requirements of UL where UL standards are established for those items and the requirements of NFPA 70. All items shall be new unless specified or indicated otherwise.

2.02 NAMEPLATES

Fed. Spec. L-P-387. Provide laminated plastic nameplates for each panel, motor control center, transformer, relay, contactor, starter, safety switch and device. Each nameplate inscription shall identify the equipment and serving panel, and when applicable, the location. Nameplates shall be melamine plastic, 0.125-inch thick, white with black center core. Surface shall be matte finish. Corners shall be square. Accurately align lettering and engrave into the black core. Minimum size of nameplates shall be as follows:

- A. Style No. 1: 1.0 inch by 2.5 inches for panelboard and terminal cabinet enclosures.
- B. Style No. 2: 0.5 inch by 1.5 inches for safety switches, enclosed individually mounted circuit breakers, small junction/terminal boxes, etc.

2.03 WARNING SIGNS

ANSI Z35.1. Provide warning signs for the power panel enclosures. Provide signs with the legend "DANGER HIGH VOLTAGE KEEP OUT" printed in three lines of nominal 3-inch high letters.

PART 3 - EXECUTION

3.01 NAMEPLATE MOUNTING

Provide number, location and letter designation of nameplates. Fasten nameplates to the device or enclosure with a minimum of two oval head stainless steel screws.

3.02 PAINTING OF EQUIPMENT

- A. **Factory Applied:** Electrical equipment shall have factory-applied painting systems which shall, as a minimum, meet the requirements of NEMA ICS 6 corrosion-resistance test.
- B. **Field Applied:** Paint electrical equipment as required to match finish or to meet safety criteria. Painting shall be a minimum of three coats consisting of primer and two finish coats. Touch-up paint of all equipment shall be required where equipment has become damaged as a result of handling, rusting, etc. Paint shall be applied in even three coats, consisting of prime coat and two finish coats. See plans for special PVC applications.

END OF SECTION

SECTION 16020

CODES AND STANDARDS

PART 1 - GENERAL

1.01 DESCRIPTION

The following codes and standards shall be complied with as though fully written herein in these specifications and shall be applicable to CONTRACTOR, supplier and manufacturer. Dates and amendments shall be the latest edition thereof in force at time of project bid date. Bidders shall be responsible for obtaining their own copies of these codes and standards and pay all cost thereof. Bidders may request addresses of codes and standards issuing agency from ENGINEER in writing in sufficient time to obtain required copies from issuing standards institute.

- A. National Fire Protection Association (NFPA)
 - NFPA 70 National Electrical Code (N.E.C.)
 - NFPA 78 Lightning Protection Code
 - NFPA 77 Recommended Practice on Static Electricity
- B. American National Standards Institute (ANSI)
 - ANSI B16.11 Forged Steel Fittings, Socket Welding and Threaded
 - ANSI C57.12.01 General Requirements for Dry-Type Distribution and Power Transformers
 - ANSI C57.12.91 Test Code for Dry-Type Distribution and Power Transformers
 - ANSI Z35.1 Accident Prevention Signs
 - C80.1 Specification for Rigid Steel Conduit, Zinc-Coated
- C. Occupational Safety and Health Act (OSHA) Requirements
- D. Underwriters Laboratories (UL)
 - UL 6 Rigid Metallic Conduit
 - UL 50 Cabinets and Boxes
 - UL 360 Liquid-Tite Flexible Steel Conduit
 - UL 467 Grounding and Bonding Equipment
 - UL 486A Wire Connectors and Soldering Lugs for Use with Copper Conductors
 - UL 468C Splicing Wire Connectors
 - UL 489 Molded Case Circuit Breakers
 - UL 508 Enclosures
 - UL 510 Insulating Tape
 - UL 514A Outlet Boxes and Fittings
 - UL 651 Schedule 40 and 80 Rigid PVC Conduit
 - UL 854 Service-Entrance Cables
 - UL 869 Service Equipment
 - UL 943 Ground-Fault Circuit Interrupters
 - UL 1059 Terminal Blocks

UL 1449	Transient Voltage Surge Suppressors
UL 1561	Dry-Type General Purpose and Power Transformers
UL 1581	Reference Standard for Electrical Wires, Cables and Flexible Cords
UL 2200	Stationary Engine Generator Assemblies

E. National Electrical Manufacturer's Association (NEMA)

WC3	Rubber-Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy
TC3	PVC Fittings for Use with Rigid PVC Conduit and Tubing
RN1	PVC Externally Coated Rigid Galvanized Steel Conduit and Electrical Metallic Tubing
ICS1	General Standards for Industrial Control and Systems
ICS2	Standards for Industrial Control Devices, Controllers and Assemblies
ICS6	Terminal Blocks for Industrial Control Equipment and Systems
TC2	Electrical Plastic Tubing (EPT) and Conduit EPC-40 and EPC-80
TR1	Transformers, Regulators and Reactors
WD1	General Purpose Wiring Devices
LA1	Surge Arrestors

F. Institute of Electrical and Electronic Engineers (IEEE): Standard Dictionary of Electrical and Electronics Terms

G. American Society for Testing and Materials (ASTM)

A53	Pipe, Steel, Black and Hot-Dipped Zinc-Coated
A123	Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products
A153	Zinc Coating (Hot-Dip) on Iron and Steel Hardware
B8	Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard or Soft
A525	General Requirements for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process
A780	Repair of Damaged Hot-Dip Galvanized Coatings

PART 2 - PRODUCT (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION

SECTION 16030

ELECTRICAL SYSTEMS SCHEDULE

PART 1 - GENERAL

1.01 DESCRIPTION

- A. CONTRACTOR to furnish all materials and labor and perform all operations, including, but not limited to, coordination with general construction shop and field drawings, manufacturer's recommendations and installation instructions, to produce a complete and operative system. It is specifically noted that the plans are diagrammatic and the specifications are descriptive and do not show every piece of equipment, conduit, wiring boxes, etc.; however, where any mention of a system or system operation is indicated in the contract documents, CONTRACTOR shall provide material and labor for that system to be fully operational to the satisfaction of the ENGINEER and OWNER.
- B. The following operative systems shall be applicable to this project.
1. Secondary 480-volt service and distribution system, complete with conduit, conductors, termination lugs, trenching and backfill, and testing.
 2. Building power system (600-volt and below) complete with final electrical connections to all motors, panels, auxiliary equipment controls, motor control center, distribution equipment, transformers, etc.
 3. Miscellaneous systems complete as shown on the drawings and as stated herein.
 4. Controls and process instrumentation systems complete with components, conduit, wiring, final connections, graphic display modifications and control panel.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION

SECTION 16040

BASIC MATERIALS AND METHODS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Equipment and materials specified by manufacturer's name and catalog number or an approved equal by the ENGINEER unless otherwise specifically stated herein.
- B. CONTRACTOR shall submit to the ENGINEER in triplicate, typewritten copies of all electrical materials and equipment proposed for use on the project within ten (10) days after award of contract. If this list is not received prior to fifteen (15) days after award of contract, CONTRACTOR is required to furnish specified items by manufacturer and catalog number.
- C. Verbal or written requests by sales agents, manufacturer's agents, CONTRACTOR'S or subcontractors for substitutions of specified equipment by manufacturer and catalog number prior to opening of bids will not be considered or approved. In no case will prior approval be given verbally or in writing of any equipment whether specified by manufacturer and catalog or not prior to opening of bids.
- D. CONTRACTOR shall not place any orders or release shipment of any piece of equipment or materials until all formal submittals have been approved by ENGINEER including any supplemental submittal requirements requested by the ENGINEER.
- E. Samples of any equipment or materials may be required at the ENGINEER's request. This shall apply to specified items and substituted items. Samples shall be made available to the ENGINEER at his designated location. Special equipment such as motor control centers, generators, automatic transfer switch, radio equipment, fire alarm or intrusion alarm systems would be required to be set up and inspections made available at the manufacturer's plant locations. All expenses for travel, per diem, etc. will be paid for by the CONTRACTOR. This expense may include an OWNER'S representative.
- F. The ENGINEER's opinion shall be final and binding on the approved equal status for equality of any substituted item from that listed by manufacturer and/or manufacturer catalog number.
- G. Submittals for approval by ENGINEER shall include shop drawings, manufacturer's brochures and data sheets, samples where required such as paint, waterproofing, marking tape, wiring and cable; test reports, testing procedures, finishes, etc. Refer to Section 01340.
- H. Submittals shall be required, but not limited to, the following:
 - 1. Transformers.
 - 2. Wire and cable.
 - 3. Conduit and fittings.
 - 4. Boxes, covers and plates.
 - 5. Branch circuit compression connectors.

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6. Marking and identification devices.
 7. Grounding system.
 8. Paint.
 9. Panelboards.
 10. Miscellaneous as shown on drawings.
 11. Controls and instrumentation.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION (NOT USED)

END OF SECTION

SECTION 16111

CONDUIT AND FITTINGS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Metal conduit.
- B. Flexible metal conduit.
- C. Liquid-Tite flexible metal conduit.
- D. Non-metal conduit.
- E. Fittings and conduit bodies.

1.02 RELATED SECTIONS

- A. Section 16130, Boxes.
- B. Section 16170, Grounding and Bonding.
- C. Section 16190, Supporting Devices.
- D. Section 16195, Electrical Identification.

1.03 REFERENCES

- A. ANSI C80.1 — Rigid Steel Conduit, Zinc Coated
- B. ANSI/NEMA PB 1 - Fittings, Cast Metal Boxes and Conduit Bodies for Conduit and Cable Assemblies.
- C. ANSI/NFPA 70 - National Electrical Code.
- D. NECA "Standard of Installation".
- E. NEMA RN 1 - Polyvinyl Chloride (PVC) Externally Coated Galvanized Rigid Steel Conduit and Intermediate Metal Conduit.
- F. NEMA TC 2 - Electrical Plastic Tubing (EPT) and Conduit (EPC-40 and EPC-80).
- G. NEMA TC 3 - PVC Fittings for Use with Rigid PVC Conduit and Tubing.

1.04 DESIGN REQUIREMENTS

Conduit Size: ANSI/NFPA 70 (unless noted otherwise on the drawings and contained herein).

1.05 SUBMITTALS

- A. Submit under provisions of Section 16010, General Requirements and Section 01340, Shop Drawings, Project Data, and Samples.
- B. Product Data: Provide for metallic conduit, Liquid-tite flexible metal conduit, non-metallic conduit, conduit bodies and fittings.

1.06 PROJECT RECORD DOCUMENTS

- A. Submit under provisions of Section 16010.
- B. Accurately record actual routing of all underground conduits and mark on record drawings.

1.07 FIELD SAMPLES

- A. Provide under provisions of Section 16040.
- B. Provide field sample of connectors and fittings.

1.08 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store, protect and handle products to site.
- B. Accept conduit on site. CONTRACTOR shall, prior to acceptance, inspect for damage.
- C. Protect conduit from corrosion and entrance of debris by storing above grade. Provide appropriate covering.
- D. Protect PVC conduit from sunlight.

1.09 PROJECT CONDITIONS

- A. Verify all field measurements as required or shown on drawings.
- B. Verify routing and termination locations of conduit prior to rough-in.
- C. Conduit routing is shown on drawings in approximate locations unless dimensioned. Route as required parallel and perpendicular to structures.

PART 2 c PRODUCTS

2.01 CONDUIT REQUIREMENTS

- A. All wiring shall be installed in conduit, including power, low voltage, sensor control, and instrumentation.
- B. Minimum size conduit shall be as follows:
 - 1. 3/4-inch for power and branch circuit wiring, unless noted otherwise on the drawings.
 - 2. 1-inch for low voltage, sensor control and instrumentation, unless noted otherwise on the drawings.
- C. Conduit shall be installed in accordance with the following schedule:
 - 1. Outside secondary service and feeder conduit risers above grade: Galvanized thick wall rigid steel (GRC).
 - 2. Conduit in earth (no encasement): Galvanized thick wall rigid steel (GRC) or Schedule 80 PVC as noted. Metallic conduit shall be coated with three (3) coats of polyvinyl polyethylene or hot asphalt application.
 - 3. In all poured building construction concrete, thick wall galvanized rigid steel conduit (GRC) or Schedule 80 PVC.
 - 4. In masonry walls: Galvanized thick wall rigid steel (GRC), or EMT.
 - 5. Above suspended ceilings: Galvanized thick wall rigid steel (GRC) or Electrical metallic tubing (EMT).
 - 6. In metal stud walls: Galvanized thick wall rigid steel (GRC) or Electrical metallic tubing (EMT).
 - 7. In exposed locations indoors and outdoors: Galvanized thick wall rigid steel (GRC), or EMT.
 - 8. Conduit in earth (concrete encased): Galvanized thick wall rigid steel (GRC), or Schedule 40 PVC. When PVC is used, change to galvanized rigid at and including elbow and rise up in (GRC).
 - 9. Signal wiring and data highway: Galvanized thick wall rigid steel (GRC) in non-corrosive areas or PVC. Minimum spacing of six inches must be maintained from power and control wiring.
 - 10. In exposed locations outdoors: Galvanized thick wall rigid steel (GRC).

2.02 FITTINGS

- A. Where conduits, 1/2-inch through 1-inch conduits, enter junction boxes, pullboxes, panels, cabinets, gutters, etc. use insulated throat connectors, Raco Cat. #1003 and 1004, Locknuts #1133 and 1134, insulated throat bushing and #1222, 1223, and 1224, insulated throat ground bushings for rigid conduit, Raco Cat. #2912, 2913, 2914, for EMT. Raco Cat. #3302, 3303, 3304 for flexible metal conduit. Raco Cat. 3512, 3513 and 3514 for Liquid-Tite connectors. Conduits 1-1/4-inch and above entering junction boxes, pullboxes, panels, cabinets, gutters, etc. shall have insulated throat grounding bushings equal to Raco Cat. #1225, 1226, 1228, 1230, 1232, 1234 and 1236.

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- B. Only threaded joint connectors and malleable iron no thread compression box connectors shall be used on rigid conduit. No fittings requiring set screws or indenter type applications, including BM connectors, will be allowed.

2.03 CONDUIT STRAPS AND HANGERS

Two (2) hole push-on stamped straps Raco Cat. #2232, 2233, 2234, 2235, 2236 and 2238 for rigid conduit. These anchors shall be used on surface areas such as concrete, masonry, wide flange beams, columns and wood. All screws shall be stainless steel.

2.04 EXPANSION AND SEAL OFF FITTINGS

Install seal-off fittings where required by code or shown on the drawings for the job. Fittings shall be Crouse-Hinds Type EYS for vertical runs, Type EZS for horizontal and vertical runs, or Type EYS elbow seals, or approved equal in Killark or Appleton. All seals shall be properly installed using a non-hardening sealing compound and shall be sealed as soon as cable is installed.

2.05 RIGID METAL CONDUIT

- A. Manufacturers:
 - 1. Allied
 - 2. Wheatland
 - 3. Republic
 - 4. Approved equal.
- B. Rigid Galvanized Steel Conduit (GRC): ANSI C801. UL 6.

2.06 LIQUID-TIGHT FLEXIBLE METAL CONDUIT

- A. Manufacturers:
 - 1. Alflex
 - 2. Anamet
 - 3. AFC
 - 4. Approved equal
- B. Description: Interlocked aluminum construction with PVC jacket.
- C. Fittings: ANSI/NEMA FB1.

2.07 ELECTRICAL METALLIC TUBING (EMT)

- A. Manufacturers:
 - 1. Allied Tubing
 - 2. LTV Steel
 - 3. Wheatland
 - 4. Triangle
 - 5. Approved equal

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- B. Description: ANSI C80.3, UL 797 zinc-coated. Maximum size 2 inches.

2.08 NON-METALLIC CONDUIT

- A. Manufacturers:
 - 1. Carlon
 - 2. Approved equal.
- B. Description: NEMA TC2; Schedule 80 PVC.
- C. Fittings and Conduit Bodies: NEMA TC3.

2.09 ALUMINUM CONDUIT

- A. Manufacturers
 - 1. Allied Tubing
 - 2. Approved equal.
- B. Description: ANSI C 80.5, U.L. 6.

2.10 CONDUIT IDENTIFICATION PLATES

- 1. Conduit identification plates shall be brass with stainless steel and permanently secured to the conduit without screws.
- 2. Identification plates shall be as manufactured by the Panduit Corp or equal.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install conduit in accordance with NECA "Standard of Installation".
- B. Install non-metallic conduit in accordance with manufacturer's instructions.
- C. Arrange supports to prevent misalignment during wiring installation.
- D. Support conduit using coated steel straps with stainless steel screws.
- E. Fasten conduit supports to structures and surfaces under provisions of this section.
- F. Do not support conduit with wire or perforated pipe straps in any type structure. Remove wire used for temporary supports.
- G. Route all conduit, whether exposed or concealed, parallel and perpendicular to structures.
- H. Route conduit in and under slab from point-to-point.

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- I. Maintain 12-inch (300 mm) clearance between conduit and surfaces with temperatures exceeding 104° F. (40° C.).
 - J. Bring conduit to shoulder of fittings, fasten securely.
 - K. Join non-metallic conduit using cement as recommended by manufacturer. Wipe non-metallic conduit dry and clean before joining. Apply full even coat of cement to entire area inserted in fitting. Allow joint to cure for 20 minutes, minimum.
 - L. Use conduit hubs for sealing locknuts to fasten conduit to cast boxes. All conduit entering top or sides of all junction boxes, pullboxes, wiring gutters, etc., exposed to weather shall have myers hub connectors.
 - M. Install no more than equivalent of four 90-degree bends between boxes. Use conduit bodies to make sharp changes in direction, as around beams. Use factory elbows for bends in metal conduit larger than 2-inch (50 mm) size. Radio telemetry system conduit bends shall not exceed two (2) 90-degree turns. All bends shall be long radius. All field bends on conduit shall be made in accordance with tables in Article 346, NFPA 70.
 - N. Avoid moisture traps; provide junction box with drain fitting at low points in conduit system.
 - O. Provide suitable fittings to accommodate expansion and deflection where conduit crosses control and expansion joints.
 - P. Provide suitable nylon pull string or No. 14 AWG steel wire in each conduit except sleeves and nipples.
 - Q. Use suitable caps to protect installed conduit against entrance of dirt and moisture.
 - R. Ground and bond conduit under provision of Section 16170.
 - S. Identify conduit under provisions of Section 16195.
 - T. All conduit male threads shall be coated with "General Electric" RTV silicone sealer where conduit is installed outdoors, in contact with concrete or earth.
 - U. All feeders shall be run in galvanized or sheradized thick wall rigid steel (GRC), or EMT.
 - V. All conduits shall be sized as noted on the drawings and contained herein. Where size not shown, consult ENGINEER.
 - W. All upturned conduits shall be capped during construction rough-in to prevent moisture or debris from entering. Pull through each and every conduit a dry swab of sufficient size to remove any and all moisture. Seal all conduit terminations with GE Silicone or duct puddy prior to final acceptance of the project.
 - X. Maximum length of flexible liquid-tite conduit shall not exceed 5 feet.

Y. Assure ground continuity on all branch circuitry conduits with myers hubs, one inside and one outside of all boxes, cabinets and gutters for rigid conduit.

Z. Conduit Curb:

1. In concrete slabs or floors, provide a 2-inch high curb extending 2-inches from the outer surface of the conduit penetrating the floor, to prevent corrosion.
2. Terminate conduit stub-ups in couplings, slightly above the finished concrete curb.
3. Paint the stub-up with Scotch-Clad Protective Coating #1706 or equal, a minimum of 6-inches above and below the finished surface of the concrete.

AA. Each conduit shall have brass tab with conduit number stamped and attached by stainless steel chain.

3.02 CONDUIT SUPPORTS

Support conduits as follows:

- A. Galvanized rigid thick wall conduit (GRC), IMC and EMT, within three feet of all outlet boxes, junction boxes, cabinets, gutters or fittings. Horizontally anchored at 10'-0" maximum intervals. Other spacings are noted on the plans.
- B. Liquid-tite flexible conduit (Sealtite), within 12 inches of all outlet boxes, junction boxes, cabinets, gutters or fittings and bends or turns. Horizontally anchored at 2-foot intervals. Minimum size permitted is 3/4-inch.

END OF SECTION

SECTION 16120

WIRE AND CABLE

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Building wire.
- B. Cable including instrumentation, control, etc.
- C. Wiring connections and terminations.

1.02 REFERENCES

- A. NEMA WC 3 - Rubber-insulated wire and cable for the transmission and distribution of electrical energy.
- B. NEMA WC 5 - Thermoplastic-insulated wire and cable for the transmission and distribution of electrical energy.

1.03 SUBMITTALS

- A. Submit manufacturer's product data under the provisions of Section 16010, General Requirements.
- B. Submit manufacturer's instructions.

PART 2 - PRODUCTS

2.01 CONDUCTORS

- A. Thermoplastic-Insulated Building Wire: NEMA WC 5.
- B. Rubber-Insulated Wire: NEMA WC 3.
- C. Feeders and Branch Circuits: Copper, stranded conductor, 600-volt insulation, THWN.
- D. Service Entrance Cable: Copper, stranded conductor, 600-volt insulation, THHN - THWN.
- E. Control Circuits: Copper, stranded conductor, 600-volt insulation, THHN - THWN.
- F. Electronic Sensor Cable: Per manufacturer's recommendations.
- G. Instrumentation Cable: Per manufacturer's recommendations.

PART 3 - EXECUTION

3.01 GENERAL WIRING METHODS

- A. Use no wire smaller than #12 AWG for power circuits and no smaller than #14 AWG for control wiring.
- B. Place an equal number of conductors for each phase of a circuit in same raceway or cable.
- C. Splice only in junction or outlet boxes.
- D. Neatly train and lace wiring inside boxes, equipment and panelboards.

3.02 WIRING INSTALLATION IN RACEWAYS

- A. Pull all conductors into a raceway at the same time. Use UL listed wire pulling lubricate for pulling #4 AWG and larger wires.
- B. Completely and thoroughly swab raceway system before installing conductors.

3.03 CABLE INSTALLATION

Provide protection for exposed cables where subject to damage.

3.04 WIRING CONNECTIONS AND TERMINATIONS

- A. Splice only in accessible junction boxes.
- B. Thoroughly clean wires before installing lugs and connectors.
- C. Make splices, taps and terminations to carry full ampacity of conductors without perceptible temperature rise.
- D. Terminate spare conductors with electrical tape and wire nut.
- E. Splices in all junction boxes shall be made by the compression method. Crimp connectors shall be "Buchanan" Cat. #2006S, #2008S or #2011S with #2007, #2014 or #3007B caps or approved equal.

3.05 FIELD QUALITY CONTROL

- A. Field inspection and testing will be performed under provisions of Section 16010.
- B. Inspect wire and cable for physical damage and proper connection.
- C. Torque test conductor connections and terminations to manufacturer's recommended values.

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- D. Perform continuity test on all power and equipment branch circuit conductors. Verify proper phasing connections.

3.06 WIRE AND CABLE INSTALLATION SCHEDULE

- A. Exterior Locations: Conductors in raceways.
- B. Underground Locations: Conductors in raceways.
- C. Color Coding (Power System): The following conductor color coding shall be used:

480/277-Volt System

Phase A - Brown

Phase B - Orange

Phase C - Yellow

Neutral - Gray

Equipment Ground - Green

208Y/120-Volt System

Phase A - C Black

Phase A - Switch Leg C Gray

Phase B - Red

Phase B - Switch Leg C Pink

Phase C - Blue

Phase C - Switch Leg C Purple

Travelers - Yellow

Neutral - White

Equipment Ground - Green

END OF SECTION

SECTION 16130

BOXES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Wall and ceiling outlet boxes.
- B. Pull and junction boxes.

1.02 RELATED SECTIONS

- A. Section 16111, Conduit and Fittings.
- B. Section 16140, Wiring Devices.
- C. Section 16160, Cabinets and Enclosures.
- D. Section 16180, Equipment Wiring Systems.

1.03 REFERENCES

- A. ANSI/NEMA FB 1 - Fittings and Supports for Conduit and Cable Assemblies.
- B. ANSI/NEMA OS 1 - Sheet-steel Outlet Boxes, Device Boxes, Covers, and Box Supports.
- C. ANSI/NEMA OS 2 - Nonmetallic Outlet Boxes, Device Boxes, Covers and Box Supports.
- D. ANSI/NFPA 70 - National Electrical Code.
- E. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum).

1.04 SUBMITTALS

- A. Submit shop drawings and product data under provisions of Sections 16010 and 01340, Shop Drawings Submittal.
- B. Submit manufacturer's data.

1.05 PROJECT RECORD DOCUMENTS

- A. Submit under provisions of Section 01720.
- B. Accurately record actual locations and mounting heights of outlet, pull, and junction boxes.

1.06 REGULATORY REQUIREMENTS

- A. Conform to requirements of ANSI/NFPA 70.
- B. Furnish products listed and classified by Underwriters Laboratories, Inc. as suitable for purpose specified and shown.

1.07 PROJECT CONDITIONS

- A. Verify field measurements as shown on Drawings.
- B. Verify locations of boxes and outlets in plant laboratory, offices and work areas prior to rough-in.
- C. Electrical boxes are shown on Drawings in approximate locations unless dimensioned. Install at location required for box to serve intended purpose. Include installation within 20 feet of location shown.

PART 2 - PRODUCTS

2.01 OUTLET BOXES

- A. Sheet Metal Outlet Boxes: ANSI/NEMA OS 1, galvanized steel.
 - 1. Luminaire and Equipment Supporting Boxes: Rated for weight of equipment supported; include 1/2-inch or 3/4-inch male fixture studs where required.
 - 2. Only 4-inch square boxes with raised gang covers will be allowed.
- B. Cast Boxes: NEMA FB 1, Type FD, aluminum. Provide gasketed cover by box manufacturer. Provide threaded hubs as required.

2.02 PULL AND JUNCTION BOXES

- A. Sheet Metal Boxes: NEMA OS 1, galvanized steel.
- B. Surface-Mounted Cast Metal Box: NEMA 250, Type [4] [6]; flat-flanged, surface-mounted junction box.
 - 1. Material: Cast aluminum.
 - 2. Cover: Furnish with ground flange, neoprene gasket, and stainless steel cover screws.
 - 3. PVC coated over water plant facility.
- C. In-Ground or Concrete Cast Metal Box: NEMA 250, Type 6, inside flanged, recessed cover box for flush mounting.
 - 1. Material: Galvanized cast iron.
 - 2. Cover: Nonskid cover with neoprene gasket and stainless steel cover screws.
 - 3. Cover Legend: ELECTRIC, COMM.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install electrical boxes as shown on Drawings, and as required for splices, taps, wire pulling, equipment connections and compliance with regulatory requirements.
- B. Install electrical boxes to maintain headroom and to present neat mechanical appearance.
- C. Install pull boxes and junction boxes above accessible ceilings and in unfinished areas only.
- D. Inaccessible Ceiling Areas: Install outlet and junction boxes no more than 6 inches (150 mm) from ceiling access panel or from removable recessed luminaire.
- E. Install boxes to preserve fire resistance rating of partitions and other elements.
- F. Align adjacent wall-mounted outlet boxes for switches, thermostats, and similar devices with each other.
- G. Use flush mounting outlet boxes in finished areas with raised gang covers.
- H. Do not install flush mounting boxes back-to-back in walls; provide minimum 6 inch (150 mm) separation. Provide minimum 24 inches (600 mm) separation in acoustic rated walls.
- I. Secure flush mounting box to interior wall and partition studs. Accurately position to allow for surface finish thickness.
- J. Use stamped steel bridges to fasten flush mounting outlet box between studs. Span between studs.
- K. Install flush mounting box without damaging wall insulation or reducing its effectiveness.
- L. Use adjustable steel channel fasteners for hung ceiling outlet box.
- M. Do not fasten boxes to ceiling support wires.
- N. Support boxes independently of conduit, except cast box that is connected to two rigid metal conduits both supported within 12 inches of box.
- O. Use gang box where more than one device is mounted together. Do not use sectional box.
- P. Use gang box with plaster ring for single device outlets.
- Q. Use cast outlet box in exterior locations exposed to the weather and wet locations.

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- R. Large Pull Boxes: Boxes larger than 100 cubic inches (1600 cubic centimeters) in volume or 12 inches (300 mm) in any dimension.
 - 1. Interior Dry Locations: Use hinged enclosure under provisions of Section 16160.
 - 2. Other Locations: Use surface-mounted cast metal box.
 - S. All conduit connections to enclosure shall use myers hub.

3.02 INTERFACE WITH OTHER PRODUCTS

- A. Coordinate installation of outlet box for mechanical equipment furnished under Division 15.
- B. Locate flush mounting box in masonry wall to require cutting of masonry unit corner only. Coordinate masonry cutting to achieve neat opening. Use raised gang square covers.
- C. Coordinate mounting heights and locations of outlets mounted above counters, benches and backsplashes.
- D. Position outlet boxes to locate luminaires as shown on drawings.

3.03 ADJUSTING

- A. Adjust flush-mounting outlets to make front flush with finished wall material. Maximum tolerance is 1/8-inch recess in finished wall.
- B. Install knockout closure in unused box opening.

END OF SECTION

SECTION 16140

WIRING DEVICES

PART 1 - GENERAL

1.01 DESCRIPTION

Furnish and install wiring devices as shown or noted on plans, including all required mounting hardware, etc.

1.02 SUBMITTALS

- A. Submit shop drawings and product data under provisions of Sections 16010 and 01340, Submittals.
- B. Submit manufacturer's data.

PART 2 - PRODUCTS

2.01 SAFETY SWITCHES

- A. Type: Horsepower rated, heavy-duty, single throw, three pole with visible blade and safety handle. Fused and/or unfused as specified elsewhere and/or designated on the Drawings and/or as required by NEC. Sized as required by NEC and/or as shown on the Drawings.
- B. Each switch shall have indented plastic phenolic sign (minimum 1/8-inch lettering) identifying load served with voltage and horsepower attached to switch with stainless steel screws.
- C. Enclosure: Painted Steel NEMA 1 for dry, indoor locations and Stainless Steel NEMA 4X for outdoor and wet locations.
- D. Manufacturers:
 - 1. Square D Co.
 - 2. General Electric Co.
 - 3. Westinghouse.
 - 4. Or equal.

2.02 RECEPTACLE

- A. Indoor Locations:
 - 1. Duplex grounding receptacle, two pole, three wire, 125 volt AC, 20 ampere, stainless steel cover plates. Products and Manufacturers:
 - a. Cat. #5362-CR, by Arrow-Hart Inc.

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- b. Cat. #53CM62, by Harvey Hubbell Inc.
 - c. Or equal.
 - 2. Single grounding receptacle, corrosion resistant, two pole, three wire, 125 volt AC, 20 ampere, stainless steel cover plates. Products and Manufacturers:
 - a. Cat. #5361-CR, by Arrow-Hart Inc.
 - b. Cat. #53CM61, by Harvey Hubbell In
 - c. Or equal.
 - B. Ground Fault Receptacle Where Designated on the Drawings:
 - 1. Type: UL listed, 20 ampere, 125 volt AC, sensitivity of 5 mA, three wires, weather-proof cover plates.
 - 2. Manufacturer:
 - a. Hubbell, No. 6F-5362-GY with a 5221 cover plate.
 - b. Or equal.
 - C. Weatherproof Receptacle Where Designated on the Drawings: Type UL listed duplex grounding receptacle, corrosion resistant, two pole, three wire, 20 ampere, 125 volt AC, weatherproof cover plates.

2.03 SWITCHES

- A. Indoor Non-Hazardous Locations:
 - 1. Single pole AC toggle switch, quiet type, 120/277 volt AC, 20 ampere, Brown, specification grade with stainless steel cover, screws and grounding terminal. Products and Manufacturers:
 - a. Cat. #20AC1 by Pass & Seymour, Inc.
 - b. Cat. #CS 120 by Hubbell.
 - c. Or equal.
 - 2. Toggle switches of the three-way type shall be quiet type, 120/277 volt AC, 20 ampere, specification grade with stainless steel cover, screws and grounding terminal. Products and Manufacturers:
 - a. Cat. #20AC3 by Pass & Seymour, Inc.
 - b. Cat. #CS 320 by Hubbell.
 - c. Or equal.
 - 3. Toggle switches of the four-way type shall be of the same grade and manufacture as the single pole and three-way type.
 - 4. Toggle switches of the two-pole, single throw type shall be of the same grade and manufacturer as above.
 - 5. Dimming Switch:
 - a. Coordinated with fluorescent fixture ballasts specified.
 - b. Suitable for controlling light output from two of a four-lamp fluorescent fixture.
 - c. Include integral snap switch on dimming dialer.
 - d. Manufacturer:
 - (1) Thyrocon Controls.
 - (2) Hunt.
 - (3) Or equal.

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- B. Horsepower-Rated Switches:
1. Type: Toggle operated, horsepower rated with thermal overload protection.
 2. Enclosure: NEMA 1 for dry, indoor locations and NEMA 4 for outdoor and damp or wet indoor locations.
 3. Products and Manufacturers: Provide one of the following:
 - a. Type 609T by Allen-Bradley.
 - b. Class 2510 by Square D Co.
 - c. Or equal.

2.04 FUSES

- A. Type: Dual-element, current-limiting, UL Class RK5, 600 volts, unless otherwise noted or specified.
- B. Interrupting Capacities (UL Listed): 200,000 RMS amperes.
- C. Coordination:
1. Coordinated for installation in existing and new equipment.
 2. Properly coordinated for size, type and rating as required for equipment and circuits to be protected.
- D. Repair Parts: One replacement fuse for each and every fuse installed under this Contract.
- E. Manufacturers: Provide products from one of the following:
1. Bussman Division, McGraw Edison Company.
 2. Gould Inc., Circuit Protection Division.
 3. Or equal.

PART 3 - EXECUTION

3.01 MOUNTING

- A. Safety switches shall be mounted on structural frame with minimum of four points of attachment using stainless or galvanized steel hardware.
- B. Install one spare set of fuses inside fused switch enclosure attached to side.
- C. In non-hazardous locations, install wiring devices in outlet or device boxes.
- D. Mount wall switches four feet, zero inches above finished floor unless otherwise noted.

END OF SECTION

SECTION 16160

CABINETS AND ENCLOSURES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Hinged cover enclosures.
- B. Cabinets.
- C. Mounting panel.
- D. Terminal blocks and accessories.

1.02 REFERENCES

- A. NEMA 250 - Enclosures for electrical equipment (1,000 volts maximum).
- B. ANSI/NEMA ICS 1 - Industrial control and systems.
- C. ANSI/NEMA ICS 4 - Terminal blocks for industrial control equipment and systems.
- D. ANSI/NEMA ICS 6 - Enclosures for industrial control equipment and systems.
- E. UL 50 - Enclosures.

1.03 SUBMITTALS

- A. Submit shop drawings and product data under provisions of Sections 16010 and 01340, Shop Drawings, Project Data, and Samples.
- B. Shop Drawings for Equipment and Enclosure Panels: Include wiring schematic diagram, wiring diagram, outline drawings and construction diagram as described in ANSI/NEMA ICS 1.

PART 2 - PRODUCTS

2.01 HINGED COVER ENCLOSURES

- A. Construction: NEMA 250; Type 3, steel.
- B. Finish: Dark gray, rust inhibitor. Red for fire alarm terminal cabinet.
- C. Covers: Continuous hinge, held closed by hasp and staple for padlock.

2.02 CABINETS

- A. Construction:
 - 1. 14-gauge G-90 grade galvanized steel.
 - 2. Drip shield top and seam-free sides, front and back.
 - 3. 16-gauge galvanized steel continuous hinge with stainless steel pin.
 - 4. Cover fasteners with captive plated steel screws.
 - 5. Hasp and staple for padlocking.
 - 6. Knockouts in bottom.
 - 7. Collar studs with back mounting panel.
 - 8. Dark gray epoxy finish. Red finish on fire alarm terminal cabinet.
 - 9. Corrosion inhibitors.
 - 10. Electric heater with thermostat where located outdoors.
 - 11. Size: Verify size required with equipment to be housed or as noted on drawings.
- B. Manufacturer and Catalog No.: Hoffman Cat. No. scheduled with back panel or approved equal (minimum size).

2.03 TERMINAL BLOCKS AND ACCESSORIES

- A. Terminal Blocks: ANSI/NEMA ICS 4; UL listed.
- B. Power Terminals: Unit construction type, closed-back type, with tubular pressure screw connectors, rated 600 volts.
- C. Signal and Control Terminals: Modular construction type, channel mounted; tubular pressure screw connectors, rated 300 volts.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install cabinets and enclosures plumb; anchor securely to structural supports at each corner with galvanized bolts, nuts and Belleville washers.
- B. Install trim plumb.

END OF SECTION

SECTION 16170

GROUNDING AND BONDING SYSTEMS

PART 1 GENERAL

1.01 DESCRIPTION

- A. Power system grounding.
- B. Communication and instrumentation system grounding.
- C. Electrical equipment and raceway grounding and bonding.
- D. Building ground grids.

1.02 SYSTEM DESCRIPTION

- A. Ground the electrical service system neutral at service entrance equipment to grounding electrode.
- B. Provide communications system grounding conductor at point of service entrance and connect to grounding electrode.
- C. Bond together system neutrals, service equipment enclosures, exposed non-current carrying metal parts of electrical equipment, metal raceway systems, grounding conductor in raceways and cables, receptacle ground and connectors.

1.03 SUBMITTALS

- A. Submit maintenance and grid layout data and shop drawings under provisions of Sections 16010 and 01340.
- B. Indicate location of system grounding electrode connections and routing of grounding electrode conductor.

PART 2 – PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Provide a separate, insulated equipment grounding conductor in branch circuits. Terminate each end on a grounding lug, bus or bushing.

-
- B. Connect grounding electrode conductors to ground electrode by exothermic weld using cable to rod connection.
 - C. Use minimum #6 AWG copper conductor for communications service grounding conductor. Leave six feet (3 m) slack conductor at terminal cabinet or backboard.

3.02 FIELD QUALITY CONTROL

- A. Inspect grounding and bonding system conductors and connections for tightness and proper installation.
- B. Measure ground resistance from system neutral connection at service entrance to convenient ground reference point using suitable ground testing equipment. Resistance shall not exceed 5 ohms. Where resistance exceeds 5 ohms, additional ground rods shall be driven. Top of all rods shall be a minimum of 2'-0" below finish grade elevation.

END OF SECTION

SECTION 16180

EQUIPMENT WIRING SYSTEMS

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Make all final electrical connections to all equipment shown on drawings or required for a complete and operable system.
- B. All final electrical connections shall be made in strict compliance with NPFA-70 National Electrical Code, most recent Edition.

1.02 RELATED SECTIONS

- A. Section 16010, General Requirements.
- B. Section 16020, Codes and Standards.
- C. Section 16111, Conduit and Fittings.
- D. Section 16120, Wire and Cable.
- E. Section 16130, Boxes.
- F. Section 16170, Grounding and Bonding Systems.

1.03 PROJECT RECORD DOCUMENTS

Submit documents in accordance with provisions of Section 01720.

PART 2 - PRODUCTS

Products are listed under related sections of the specifications.

PART 3 - EXECUTION

3.01 INSTRUCTIONS

- A. Shall be installed in conduit where and as shown on the drawings and in accordance with drawings and specifications.
- B. Power connections shall be as follows:
 - 1. Magnetic starter with "HAND-OFF-AUTOMATIC" switch located as shown on

drawings for connection to exhaust fans. Route branch circuits from panel through starter to fan and make final electrical connections to terminal box.

2. Set disconnect as shown on drawings.
3. Run branch circuits as indicated on the drawings and make hardwired connections to all devices.
4. Run all conduit and wiring for all control systems specified on this project.
5. Run circuits from panelboards to and make final electrical connections.

END OF SECTION

SECTION 16190

SUPPORTING DEVICES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Conduit and equipment supports.
- B. Fastening hardware.
- C. Related Work
 - 1. Refer to Section 03315.

1.02 COORDINATION

Coordinate size, shape and location of concrete pads with details on drawings and manufacturer's recommendations.

1.03 QUALITY ASSURANCE

Support systems shall be adequate for weight of equipment and conduit, including wiring, which they carry.

PART 2 - PRODUCTS

2.01 MATERIAL

- A. Support Channel
 - 1. Galvanized in non-corrosive areas
 - 2. Aluminum in corrosive areas.
- B. Hardware: Corrosion-resistant.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Fasten hanger rods, conduit clamps and outlet and junction boxes to structure using stainless steel screws and galvanized bolts, nuts and Bellville washers. Do not use spring steel clips and clamps.
- B. Do not fasten supports to conduit.

-
- C. Fabricate supports from steel angle and steel channel, rigidly welded or bolted to present a neat appearance. Use hexagon head bolts with Bellville washers under all nuts.
 - D. Furnish and install additional steel framing as required to span between ceiling girts for support of lighting fixtures, electric heaters, etc.

END OF SECTION

SECTION 16195

ELECTRICAL IDENTIFICATION

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Nameplates.
- B. Wire and cable markers.

1.02 RELATED WORK

Section 16010, General Requirements.

1.03 SUBMITTALS

- A. Submit shop drawings under provisions of Sections 16010 and 01340.
- B. Include schedule for nameplates.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Nameplates: Engraved three-layer laminated plastic, white letters on a black background.
- B. Wire and Cable Markers: Cloth markers, split sleeve or tubing type.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Degrease and clean surfaces to receive nameplates.
- B. Install nameplates parallel to equipment lines.
- C. Secure nameplates to equipment fronts and panels using stainless steel screws.

3.02 WIRE IDENTIFICATION

Provide wire markers on each conductor in enclosures and at load connection. Identify with branch circuit number for power circuits and with control wire number as indicated on equipment manufacturer's shop drawings for control wiring.

3.03 NAMEPLATE ENGRAVING SCHEDULE

Provide nameplates to identify all electrical distribution and control equipment and loads served.
Letter Height: 1/8 inch (3 mm) for individual switches and loads served and 1/4 inch (6 mm) for control equipment panel identification unless noted otherwise.

END OF SECTION

SECTION 16470

LIGHTING AND POWER PANELBOARDS

PART 1 - GENERAL

1.01 DESCRIPTION

Lighting and power panelboards.

1.02 RELATED SECTIONS

- A. Section 16010, General Requirements.
- B. Section 16170, Grounding and Bonding Systems.
- C. Section 16195, Electrical Identification.

1.03 SUBMITTALS

- A. Submit under provisions of Section 01340.
- B. Submit manufacturer's data indicating bussing, enclosure, circuit numbering, sizes, etc.

PART 2 - PRODUCTS

2.01 PANELBOARDS

- A. Shall be dead-front construction with solderless pressure terminals.
- B. Main and neutral busses shall be of capacity scheduled on drawings. Bussing shall be tin-plated, copper-based on maximum current density in accordance with UL Standard 891.
- C. Complete typewritten directory with transparent plastic cover inside of door. All panels shall be identified as they are designated on the drawings by 3/4-inch plastic phenolic sign with 1/4-inch indented letters on front face of panel attached with minimum of two (2) screws.
- D. Trim and door with lock and catch with two (2) keys. Keys shall be common to all panelboards.
- E. Circuit Breakers:
 - 1. Circuit breakers shall be quickmake and quickbreak on manual or automatic operation, with minimum interrupting capacity of 10,000 amps RMS symmetrical.
 - 2. Breakers shall be trip-free. Each breaker shall have trip indication independent of the ON or OFF positions.
 - 3. All breakers shall be UL listed and meet NEMA Standards Publication No. AB1 and

Federal Specification No. WOCO375a and any amendments to the above where applicable.

4. All breakers shall be calibrated for operation in an ambient temperature of 40E C.
5. All two- and three-pole breakers shall be common trip.
6. Automatic operation of the circuit breaker shall be obtained by means of thermal and/or magnetic tripping devices located in each pole. Thermal devices shall provide the time-delay tripping on overloads and the magnetic device shall provide instantaneous tripping on short circuits.
7. All breakers shall be bolt-on type.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Panels shall be securely mounted with through bolts, anchors or other approved means.
- B. Mount all panelboards with top breaker handle not more than 6'-6" above finish floor.
- C. Connect the phase wires of three (and/or four) wire home runs to breakers connected to separate phase busses of the panelboard. Panelboard circuits shall be numbers in sequence vertically and all circuits shall appear in the panel exactly as they are shown on the drawings. All branch circuit neutral connections shall be identified by adhesive number tags to identify with their branch circuit phase conductors where neutral connections connect to the panel neutral bus.
- D. Neutrals and equipment ground conductors shall not be connected together in any panel beyond service entrance main.
- E. No two ungrounded conductors shall be connected to the same circuit breaker terminal.
- F. There shall be no splicing of conductors in panelboards.
- G. Panelboards shall be as scheduled on the drawings and as manufactured by Square D Company, Type NQOD.

END OF SECTION

JAMES STREET WATER PLANT REHABILITATION - PHASE 3

CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

OCTOBER 2014

MAYOR

JOHNNY L. DUPREE, PhD.

DIRECTOR OF ENGINEERING

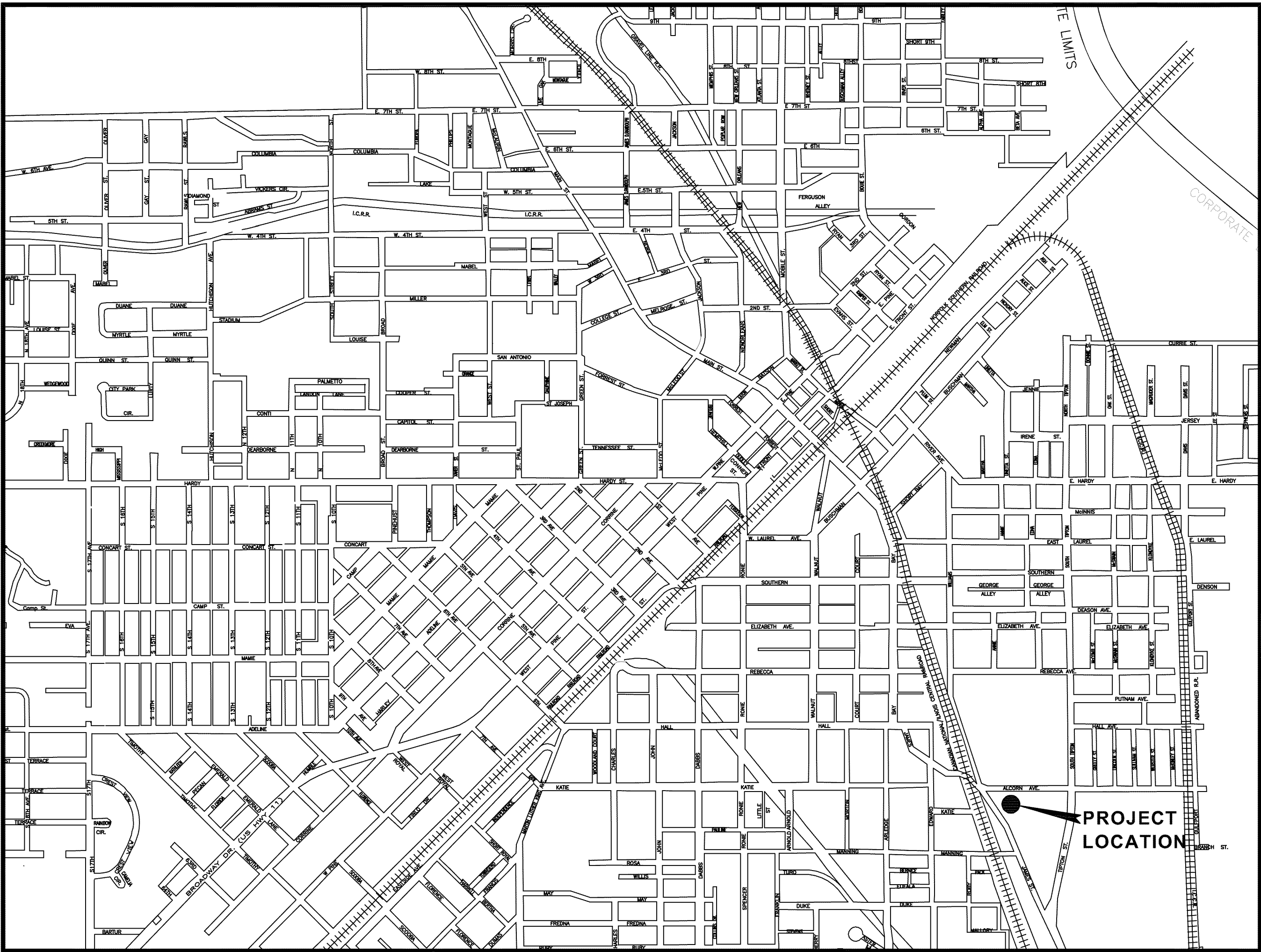
LAMAR RUTLAND, PE

CITY COUNCIL

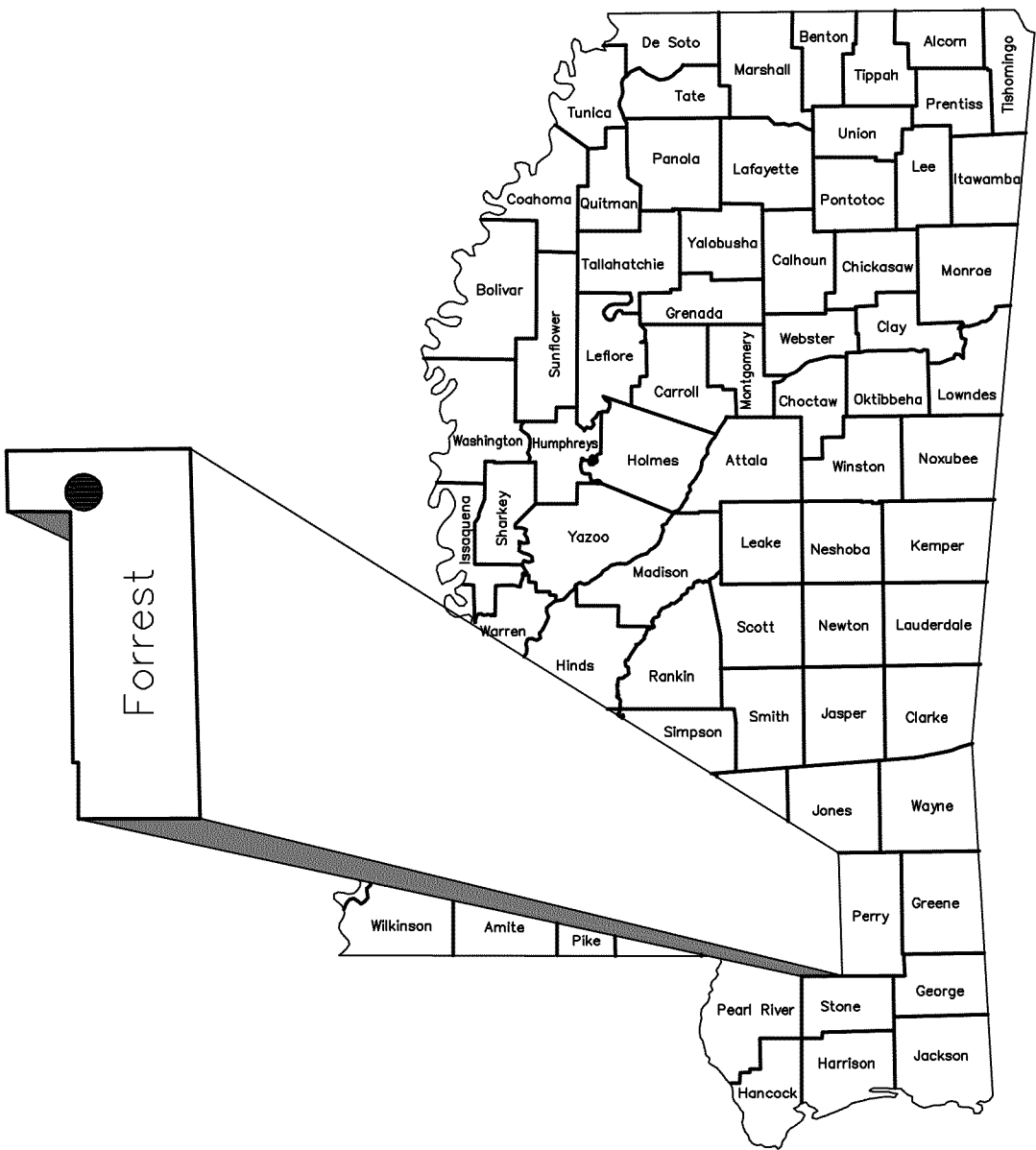
KIM BRADLEY	WARD 1
DEBARAH D. DELGADO	WARD 2
CARTER CARROLL	WARD 3
MARY DRYDEN	WARD 4
HENRY E. NAYLOR	WARD 5

UTILITIES

CITY OF HATTIESBURG
MISSISSIPPI POWER
AT&T
WILLMUT GAS
COMCAST CABLE



VICINITY MAP
PROJECT LOCATION



LOCATION MAP

● DENOTES PROJECT LOCATION

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- G.02 MECHANICAL LEGEND & GENERAL NOTES

CIVIL DRAWINGS

- C2.00 MECHANICAL DETAILS I

MECHANICAL DRAWINGS

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- M3.00 FILTER DEMOLITION
- M3.01 FILTER DETAILS RENOVATION
- M4.00 FILTER GALLERY DEMOLITION
- M4.01 FILTER RENOVATIONS
- M6.00 AIR PIPING PLAN

ELECTRICAL DRAWINGS

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- E3.00 2ND FLOOR FILTER ELECTRICAL
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- E5.00 ELECTRICAL LEGEND I
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- I1.00 INSTRUMENTATION LEGEND
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- I3.00 INSTRUMENTATION LOOP DIAGRAMS 2



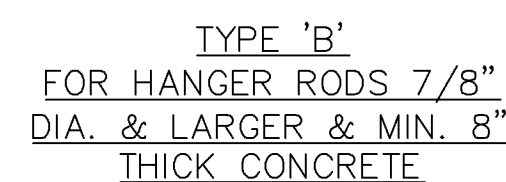
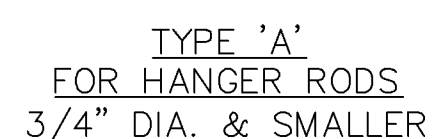
Sheet No. G.01
Drawing No.: 1273-W010

DRAWING IDENTIFICATION SYSTEM M 10 - 2 DENOTES PROCESS STRUCTURE (SEE PROCESS STRUCTURE/FACILITY IDENTIFICATION SYSTEM THIS SHEET) SEQUENTIAL SHEET NUMBER DISCIPLINE G-GENERAL C-CIVIL S-STRUCTURAL M-MECHANICAL E-ELECTRICAL I-INSTRUMENTATION	SHEET SYMBOLOLOGY SECTION AND DETAIL DESIGNATION SECTION CUT SYMBOLS SECTION LETTER SECTION LINE SHEET WHERE SECTION IS LOCATED. IF THE SECTION IS SHOWN ON THE SAME SHEET IT IS CUT, THE SHEET NUMBER IS REPLACED WITH A HYPHEN DETAIL CALL OUT SYMBOLS DETAIL LETTER LEADER LINE SHEET WHERE DETAIL IS LOCATED IF MULTIPLE DETAILS REFER TO THE SAME AREA OF THE DRAWING, THE BUBBLES ARE STACKED SIDE BY SIDE SUBTITLE OR DESCRIPTION (AS REQ'D) PLAN 1/4" = 1'-0" SECTION 3/4" = 1'-0" SECTION LETTER SHEET WHERE CUT IS TAKEN FOR MULTIPLE SHEET CALLOUTS. TYPICAL FOR SECTIONS OR DETAILS IF SECTION OR DETAIL IS DRAWN ON THE SAME SHEET THAT IT IS TAKEN FROM, THE SHEET NUMBER IS REPLACED WITH A HYPHEN. DETAIL 3/4" = 1'-0" SHEET WHERE DETAIL IS TAKEN	PIPE MATERIALS LEGEND DESIGNATION PIPE MATERIALS BS CI CM CPVC CST GCS CU DI FRP GCS PE PP PVC RBH RC RCC SST STL VC BLACK STEEL CAST IRON CORRUGATED METAL CHLORINATED POLYVINYL CHLORIDE CARBON STEEL GALVANIZED CARBON STEEL COPPER DUCTILE IRON FIBER REINFORCED PLASTIC GALVANIZED CARBON STEEL POLYETHYLENE POLYPROPYLENE POLYVINYL CHLORIDE RUBBER HOSE REINFORCED CONCRETE REINFORCED CONCRETE CYLINDER STAINLESS STEEL STEEL VITRIFIED CLAY
GENERAL LEGEND SYMBOL DESCRIPTION EXISTING PIPE, STRUCTURE OR OTHER ITEMS TO BE DEMOLISHED (EXCEPT INSTRUMENTATION) EXISTING PIPE, STRUCTURE OR OTHER ITEMS TO BE ABANDONED (EXCEPT INSTRUMENTATION) EXISTING NEW NORTH ARROW		GENERAL NOTES 1. EXISTING WATER MAINS, SANITARY SEWERS, STORM SEWERS, TELEPHONE CABLES, GAS MAINS, ELECTRICAL CONDUITS AND OTHER UTILITIES ARE SHOWN FOR CONTRACTOR'S INFORMATION ONLY. LOCATION OF UTILITIES MAY VARY FROM THAT SHOWN ON CONTRACT DRAWINGS. CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR LOCATING AND PROTECTING ALL UTILITIES INCLUDING ANY NOT SHOWN ON CONSTRUCTION PLANS. 2. CONTRACTOR SHALL RESTORE ALL AREAS DAMAGED OR DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION. 3. THE CONTRACTOR'S JOB SITE SUPERINTENDENT SHALL BE ON-SITE ANY TIME ANY WORK IS BEING CONDUCTED. 4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE RELOCATION OF ALL UTILITIES AS NECESSARY TO COMPLETE THE WORK. 5. THE CONTRACTOR MUST FURNISH ELECTRICAL POWER AND WATER SERVICE FOR HIS USE AT HIS EXPENSE. 6. CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS AND DIMENSIONS SHOWN BEFORE SUBMISSION OF SHOP DRAWINGS. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER. 7. UNLESS OTHERWISE NOTED, ALL PIPE CLAMPS AND PIPE ANCHORS SHALL BE TYPE 304 STAINLESS STEEL. 8. PIPE SUPPORTS, HANGERS AND BRACKETS SHALL BE PROVIDED SPACED AS INDICATED ON SCHEDULE OR AS REQUIRED BY MANUFACTURER AND ADJACENT TO UNIONS AND FITTINGS AND ON BOTH SIDES OF VALVES UNLESS OTHERWISE NOTED ON THE DRAWINGS. 9. ALL PIPE INSTALLED SHALL BE COLOR CODED AND LABELED IN ACCORDANCE WITH DIVISION 09 OF THE SPECIFICATIONS. 10. STRUCTURES AND PIPELINES 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. WHERE FITTINGS ARE NOTED ON THE DRAWINGS, SUCH NOTATION IS FOR THE CONTRACTOR'S CONVENIENCE AND DOES NOT RELIEVE THE CONTRACTOR FROM LAYING AND JOINTING DIFFERENT OR ADDITIONAL ITEMS WHERE REQUIRED. PIPING AND PLUMBING IS SHOWN IN A SCHEMATIC MANNER ONLY AND ALL ITEMS OF PLUMBING AND PIPING MAY NOT BE SHOWN ON THE DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FURNISH ALL ITEMS NECESSARY FOR A COMPLETE AND OPERABLE SYSTEM. IF ADDITIONAL FITTINGS, PIPE, SUPPORTS, FLANGES, COUPLINGS, CONCRETE OR OTHER ITEMS ARE REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM, THE CONTRACTOR SHALL FURNISH AND INSTALL THESE ITEMS AT HIS EXPENSE. 11. DURING CONSTRUCTION OF WORK, THE OWNER'S OPERATORS WILL BE RESPONSIBLE FOR OPERATING AND MAINTAINING THE EXISTING WATER PLANT. THE CONTRACTOR SHALL BE ACUTELY AWARE OF THE NECESSITY FOR MAINTAINING THE EXISTING PLANT AS AN OPERATIONAL UNIT THROUGHOUT THE CONTRACT PERIOD. 12. CLOSE COORDINATION WITH THE PLANT OPERATOR IS REQUIRED. WORK THAT REQUIRES A UNIT PROCESS OF THE PLANT TO BE REMOVED FROM SERVICE SHALL BE SCHEDULED AT THE CONVENIENCE OF THE PLANT OPERATOR. THE OWNER RESERVES THE RIGHT TO STOP ANY WORK THAT AFFECTS THE OPERATIONS OR CAPACITY OF THE PLANT TO MEET WATER DEMAND WITHOUT PRIOR NOTICE. THE CONTRACTOR SHALL STOP AND RESUME WORK WITHOUT ADDITIONAL COMPENSATION. 13. ALL DIMENSIONS INDICATED ON DRAWINGS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY EXACT DIMENSIONS. 14. CONTRACTOR SHALL VERIFY EXISTING NUMBERING SYSTEM UTILIZED IN THE RENOVATIONS OF THE PREVIOUS FIVE FILTERS AND NUMBER OF THE PROPOSED FILTER ACCORDINGLY. 15. CONTRACTOR TO SUPPLY TWO (2) SPARE CONTROLLERS. 16. CONTRACTOR TO SUPPLY A SEAL KIT ON ALL ACTUATOR VALVES LOCATED IN THE PIPE GALLERY.



ADJUSTABLE PIPE SUPPORT APPROX. DIMENSIONS IN INCHES					
PIPE SIZE	A	B	C	D MIN.	D
2½	2½	1½	9	8	11½
3	2½	1½	9	8½	11½
3½	2½	1½	9	8½	12
4	3	2½	9	10½	14
6	3	2½	9	11½	15½
8	3	2½	9	13½	16½
10	3	2½	9	14½	18½
12	3	2½	9	15½	19½
14	4	3	11	18½	20½
16	4	3	11	19½	22½
18	6	3½	13½	21½	24
20	6	3½	13½	23½	25½
24	6	4	13½	26½	28½
30	6	4	13½	29½	31½
32	6	4	13½	30½	32½
36	6	4	13½	32½	34½

ADJUSTABLE PIPE SUPPORT



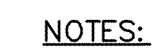
PIPE HANGER

DETAIL
N.T.S.



DETAIL

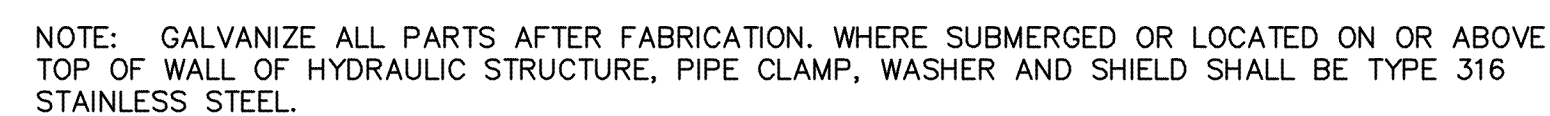
N.T.S



1. STEEL SHIELDS, BRACKETS, 'U' BOLTS, AND BOLTS ARE TO BE TYPE 316 SS.
2. ALL SHIELDS, BRACKETS, BOLTS, AND HARDWARE SHALL BE TYPE 316 SS WHEN USED FOR SUPPORT OF SS PIPING.
3. WHERE BRACKET IS ATTACHED TO A PRECAST CONCRETE WALL PANEL, PROVIDE EMBED PLATES IN THE WALL PANEL AND WELD THE BRACKET TO THE EMBED PLATES. PIPING CONTRACTOR SHALL COORDINATE LOADS AND LOCATIONS WITH THE PRECAST CONCRETE MANUFACTURER.

PIPE BRACKET

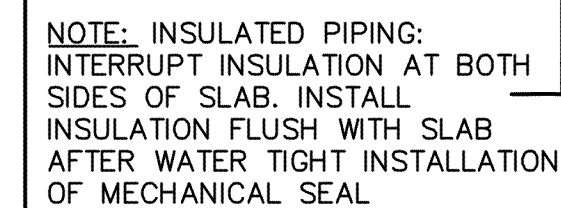
DETAIL



PIPE CLAMP

DETAIL

N.T.S

CORE DRILLED OPENING AND MECHANICAL SEAL
PENETRATION THROUGH CONCRETE

N.T.S

PIPE HANGER RODS & SUPPORT SPACING					
PIPE DIA. (INCHES)	RODS DIA. (INCHES)	MAX SUPPORT SPACING (FEET)		WEIGHT LIMIT (LBS)	
		STEEL PIPE	CI/DI FRP PIPE	TYPE 'A'	TYPE 'B'
1 & SMALLER	3/8	5	MIN 1 HANGER PER PIPE LENGTH AND FITTING MAX SPACING 5 FEET - LOCATE HANGER CLOSE TO EACH CONNECTION.	610	-----
1-1/4 TO 2	3/8	5		610	-----
2-1/2 TO 3-1/2	1/2	10		1130	-----
4 TO 5	5/8	10		1430	-----
6	3/4	10		1430	3800
8, 10, 12	7/8	10		-----	3800
14, 16, 18	1	10		-----	3800

PIPE HANGER

DETAIL
N.T.S.



N.T.S.

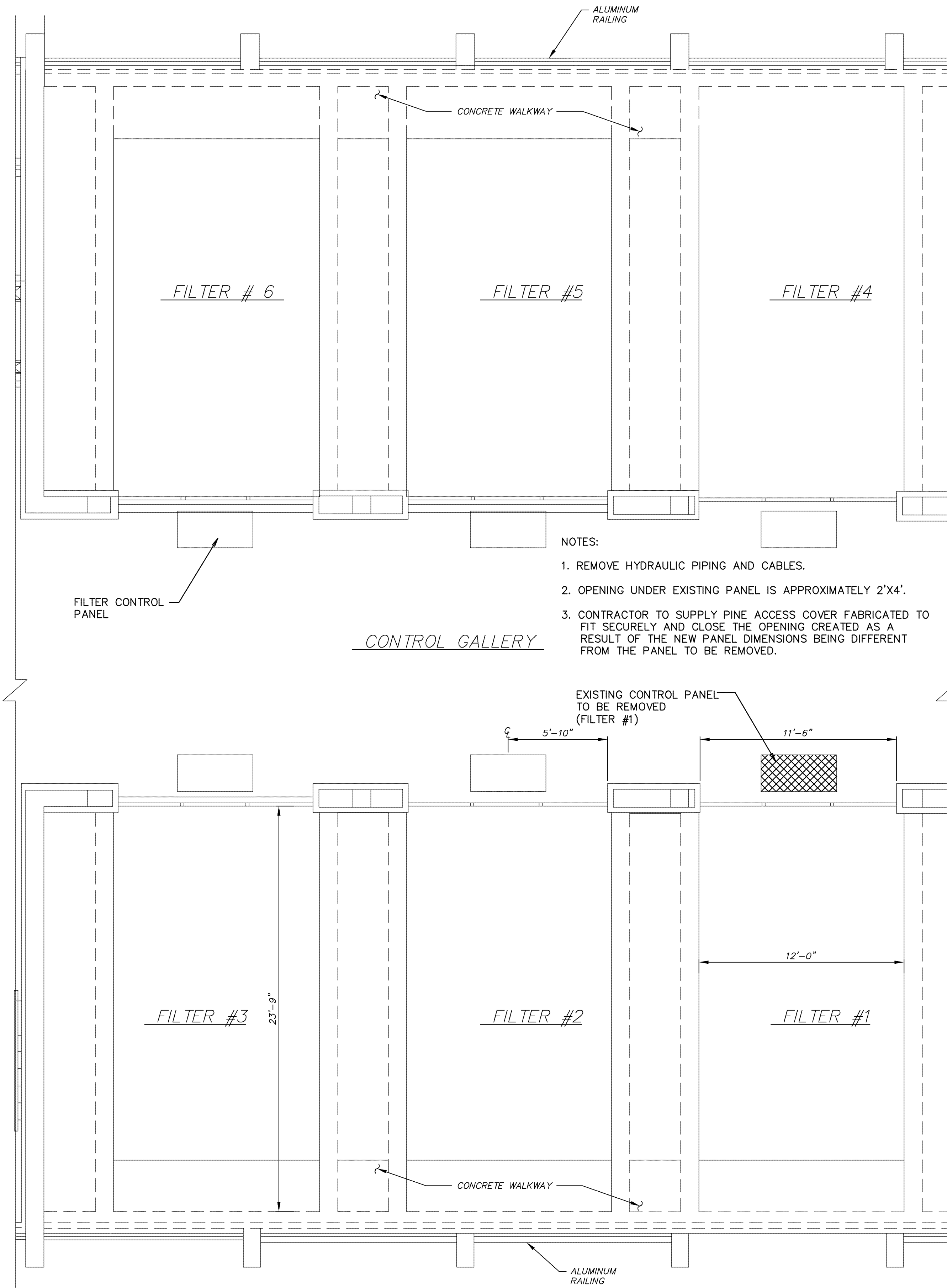
N ^O .	DATE	DESCRIPTION	BY

MECHANICAL DETAILS I

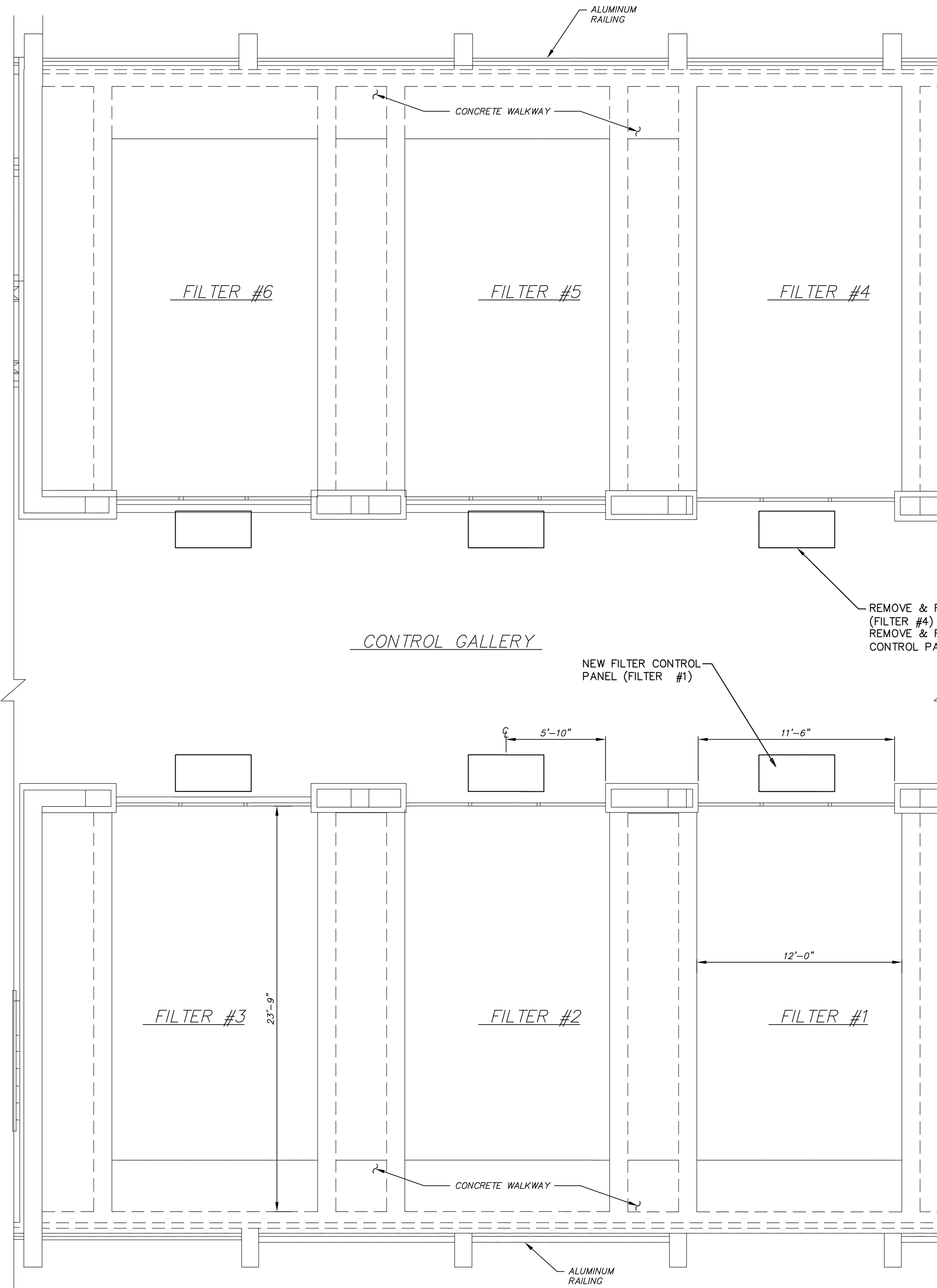
JAMES STREET WATER TREATMENT REHABILITATION
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI



Drawn by: JEM	Checked by: JWG
Date: 09/2014	Scale: NTS
Drawing No.: 1273-W010	Sheet No. <u>C2.00</u>



SECOND FLOOR PLAN DEMOLITION

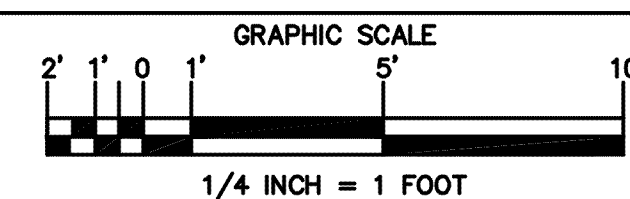
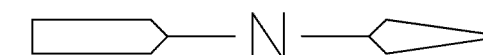


SECOND FLOOR PLAN RENOVATION

- NOTES:
1. REMOVE HYDRAULIC PIPING AND CABLES.
 2. OPENING UNDER EXISTING PANEL IS APPROXIMATELY 2'X4'.
 3. CONTRACTOR TO SUPPLY PINE ACCESS COVER FABRICATED TO FIT SECURELY AND CLOSE THE OPENING CREATED AS A RESULT OF THE NEW PANEL DIMENSIONS BEING DIFFERENT FROM THE PANEL TO BE REMOVED.

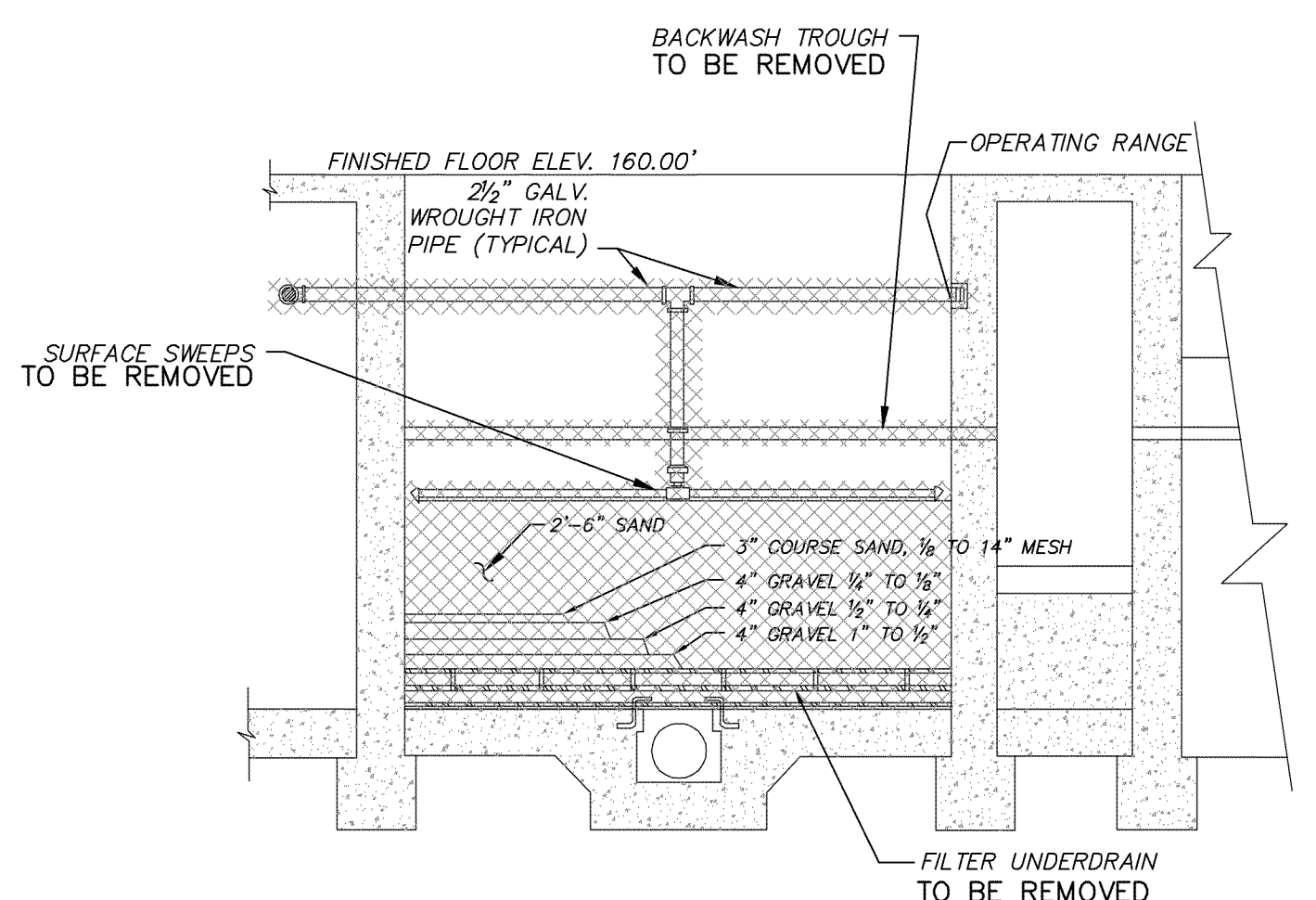
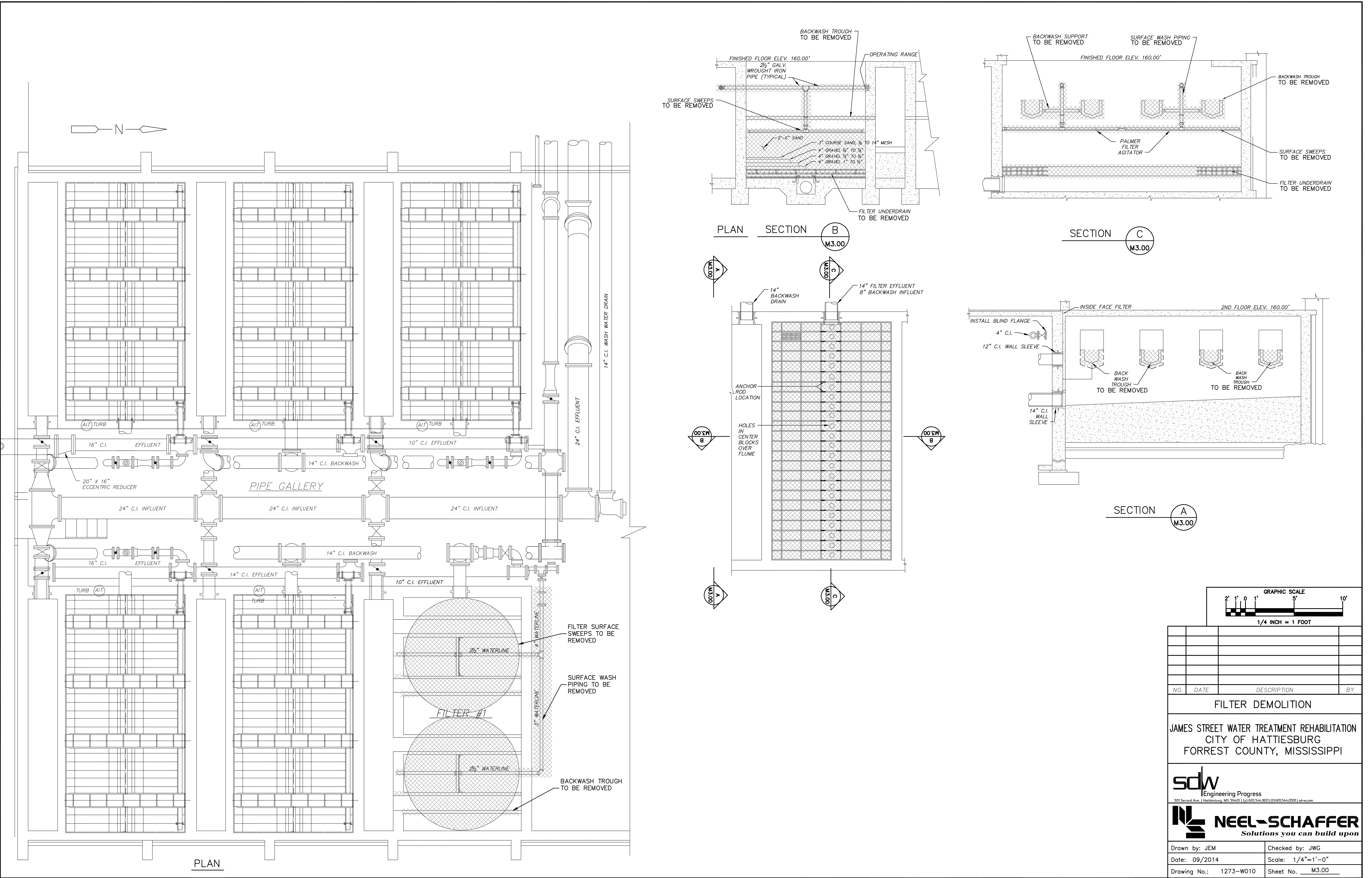
REMOVE & REPLACE NAME PLAQUE (FILTER #4) WITH CORRECT FILTER #. REMOVE & REPLACE EFFLUENT CONTROL PANEL (FILTER #4).

- NOTES:
1. ALL DIMENSIONS ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY.

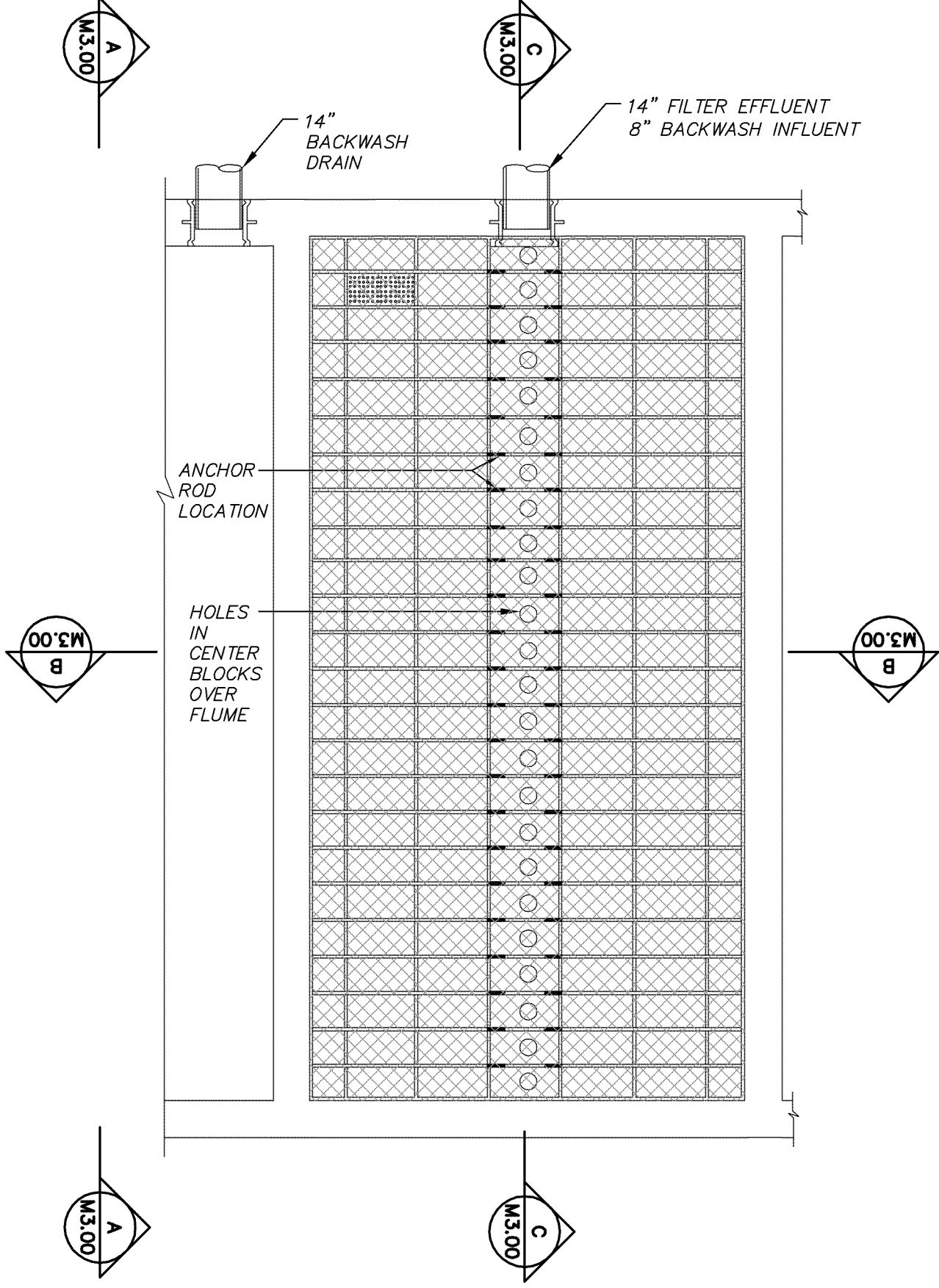


NO.	DATE	DESCRIPTION	BY
2ND FLOOR FILTER DEMO./RENOVATION			
JAMES STREET WATER TREATMENT REHABILITATION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave. Hattiesburg, MS 39401 (p) 601.544.8821 (f) 601.544.0501 sd-w.com NEEL-SCHAFFER Solutions you can build upon			
Drawn by: JEM		Checked by: JWG	
Date: 09/2014		Scale: 1/4"=1'-0"	
Drawing No.: 1273-W010		Sheet No. M2.00	

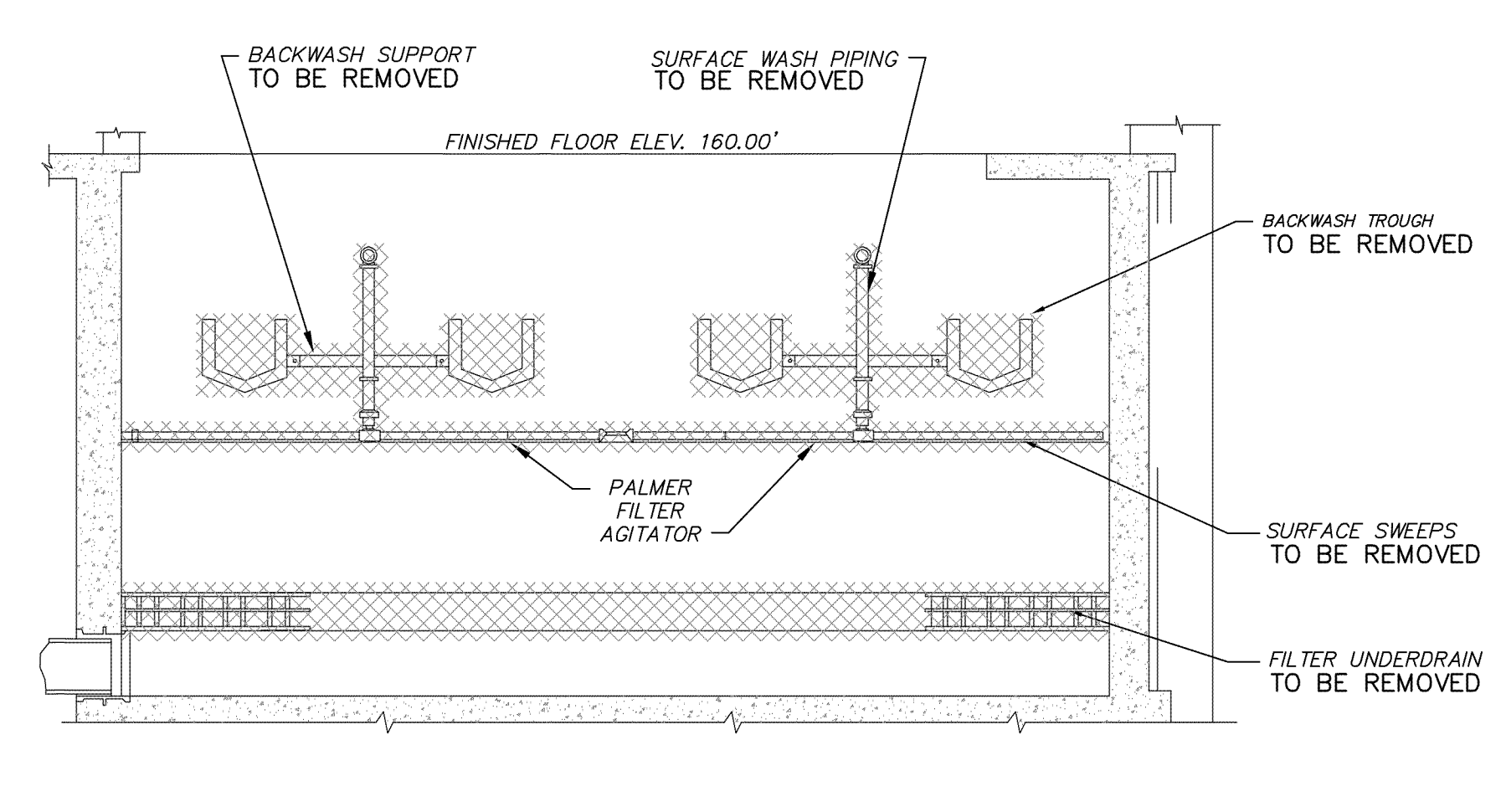
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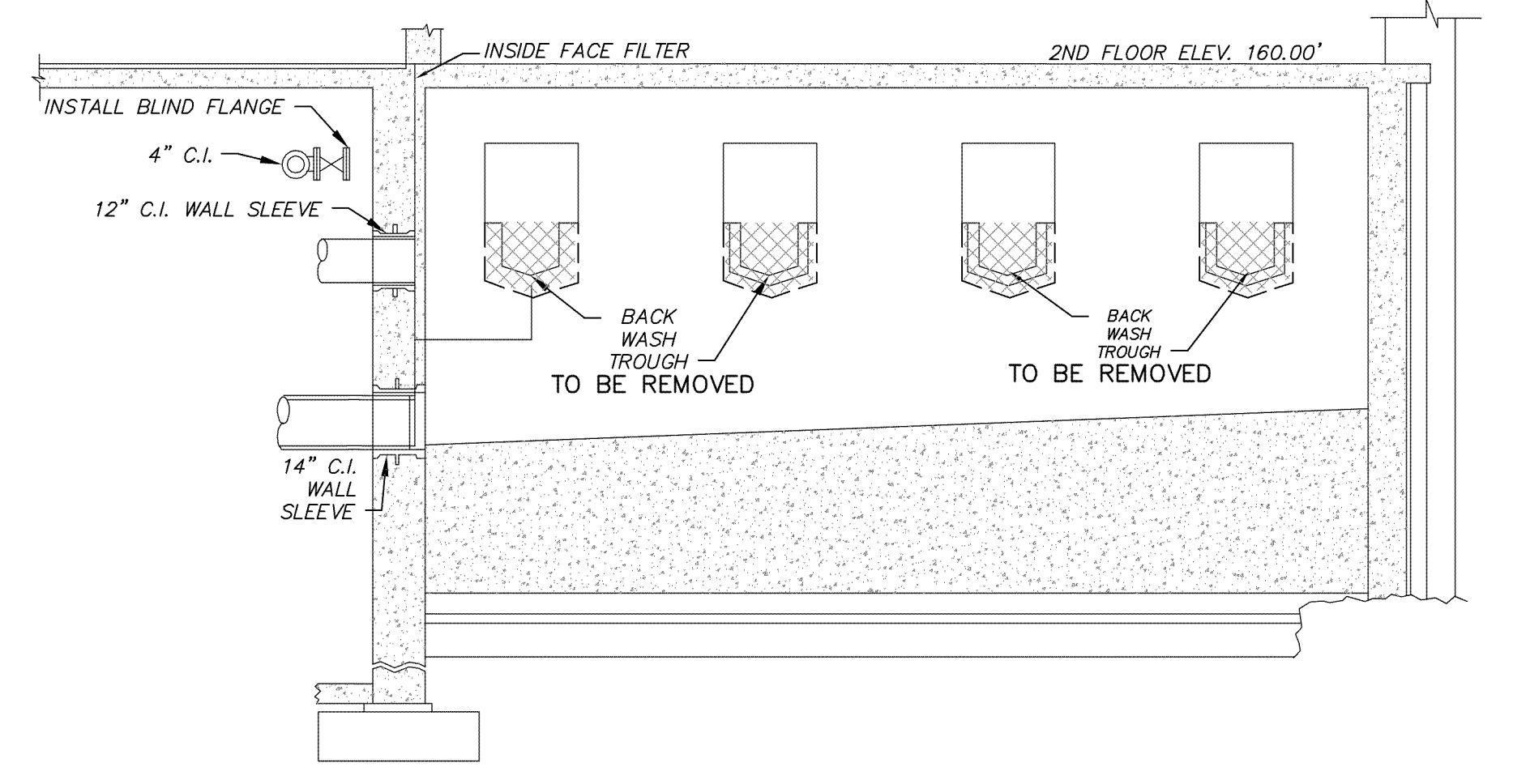
PLAN SECTION B M3.00



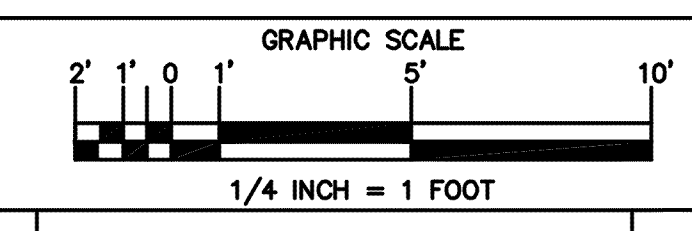
SECTION C M3.00



SECTION A M3.00



SECTION B M3.00



A			
NO.	DATE	DESCRIPTION	BY
FILTER DEMOLITION			
JAMES STREET WATER TREATMENT REHABILITATION			
CITY OF HATTIESBURG			
FORREST COUNTY, MISSISSIPPI			
			
			
Drawn by: JEM		Checked by: JWG	
Date: 09/2014		Scale: 1/4"=1'-0"	
Drawing No.: 1273-W010		Sheet No. M3.00	

FABRICATED PIPE SUPPORT,
AND HDW., (4) REQ'D. PER FILTER
U-STRAP, 3/8"Ø ANCHOR UNITS
(TYPE 304 STN. STL.)

SEAL ANGLE W/ 3/8"-16"x3"
LG. ANCHOR UNITS, HEX NUTS,
FLAT AND LOCK WASHERS ON
12" CENTERS.
(TYPICAL BOTH ENDS)

45° GROUT FILLET
EXTENDING 1-2 INCHES
ONTO BLOCK (TYPICAL)

HDPE END PLATE
TYP. AT EACH END

BLOCK TO BE SET LEVEL ON
3/4"± OF FRESH GROUT
USE HIGHEST FLOOR ELEV.
AS REFERENCE BASE

SECTION A

M3.01

B
M3.01

C
M3.01

FINISHED FLOOR ELEV. 160.00'

TROUGH END HANGER
TYPE 316 STN.STL.

6"Ø AIR HEADER PIPE WITH AIR
DROP PIPES ON 12" CENTERS
(SCH.5 TYPE 304 STN.STL.)
ELEV. 157.50

BACK WASH TROUGH

ANCHOR "U" ROD
SEE DETAIL 2

FLUME BLOCK
1 REQ'D. PER
LATERAL RUN

MEDIA SUPPORT
LAYER

45° GROUT FILLET
EXTENDING 1-2 INCHES
ONTO BLOCK (TYPICAL)

ELEV. 148.375

MAKE-UP BLOCK

1'-11"

1'-8"

2'-6"

4'-0"

8 7/16" 2'-0 5/16"

4'-0"

2'-6"

1'-8"

1'-11"

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1'-11"

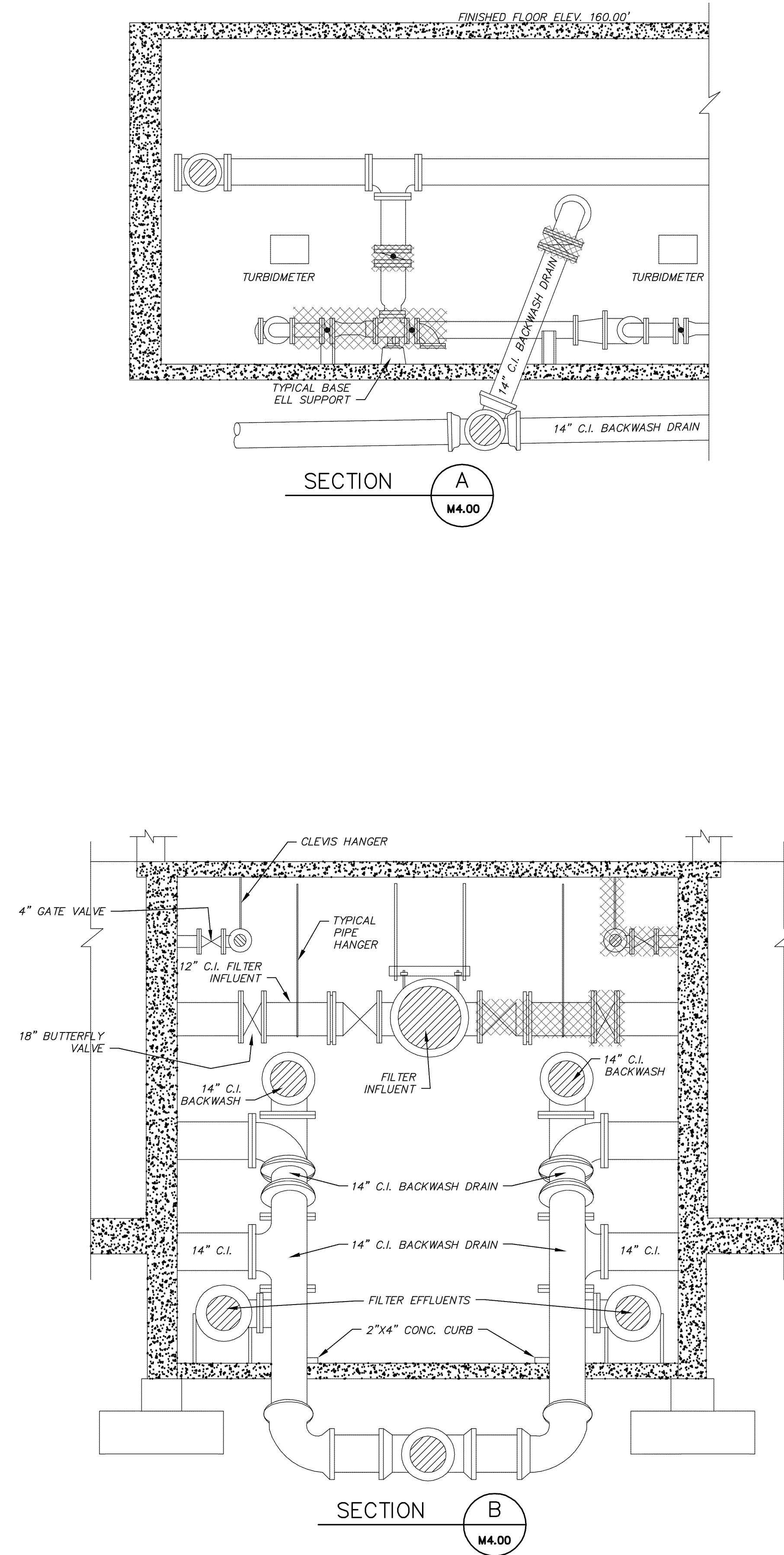
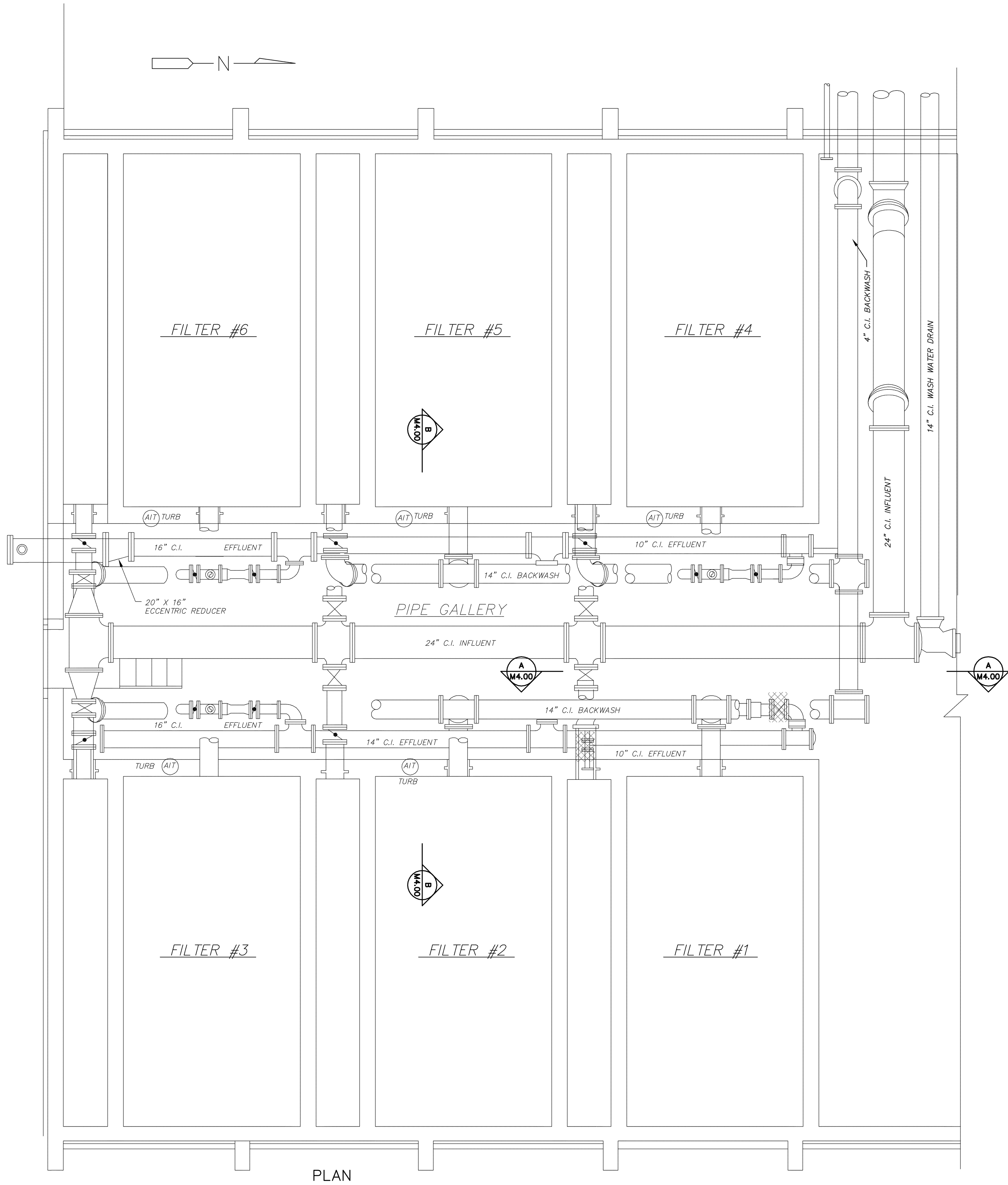
4'-0"

2'-6"

1'-8"

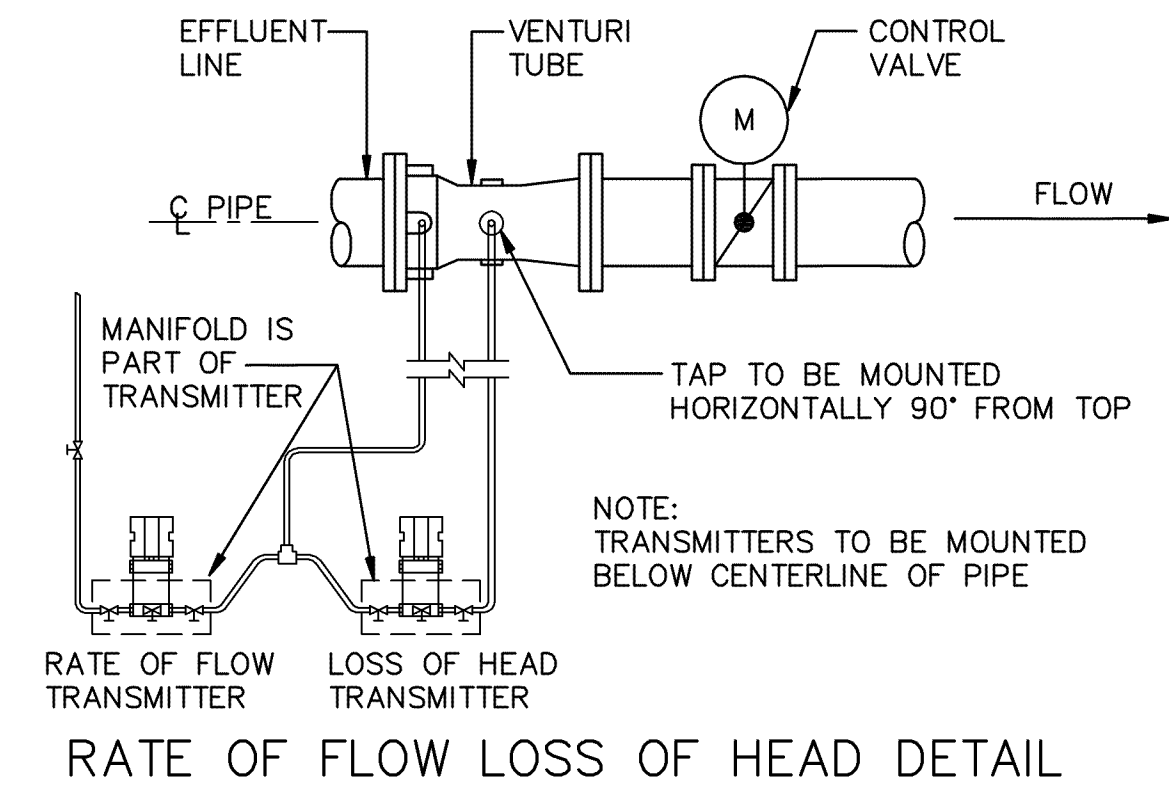
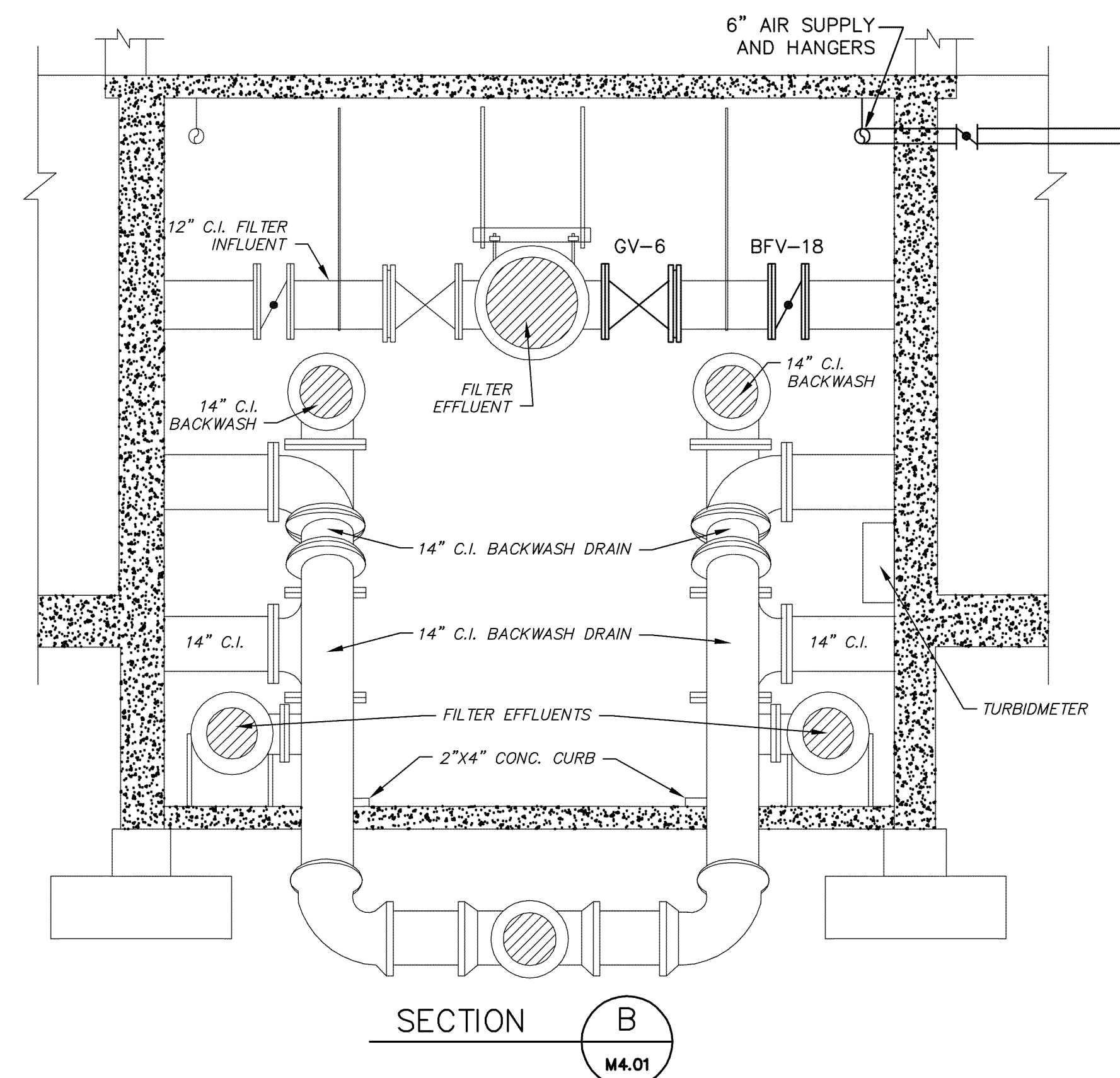
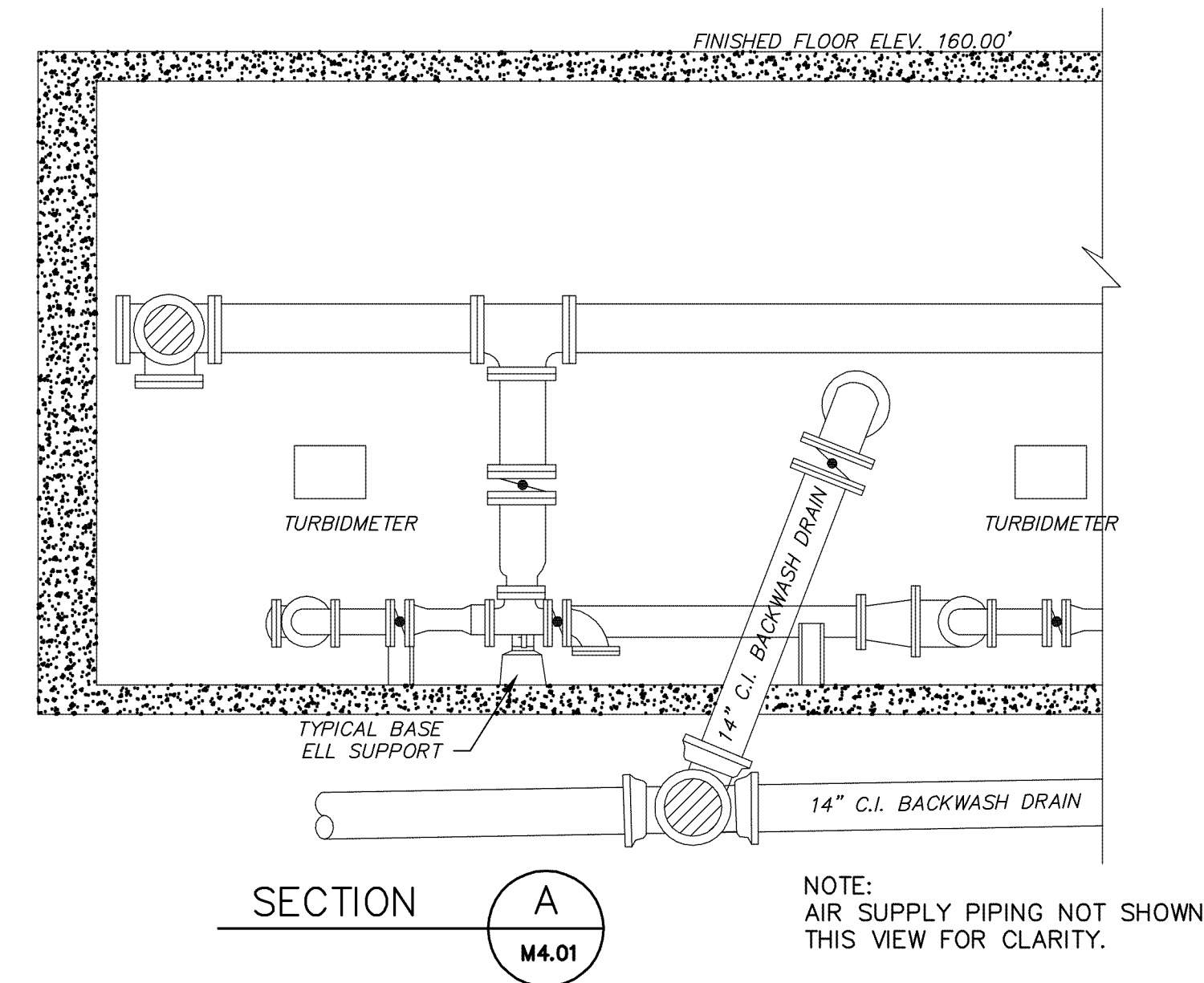
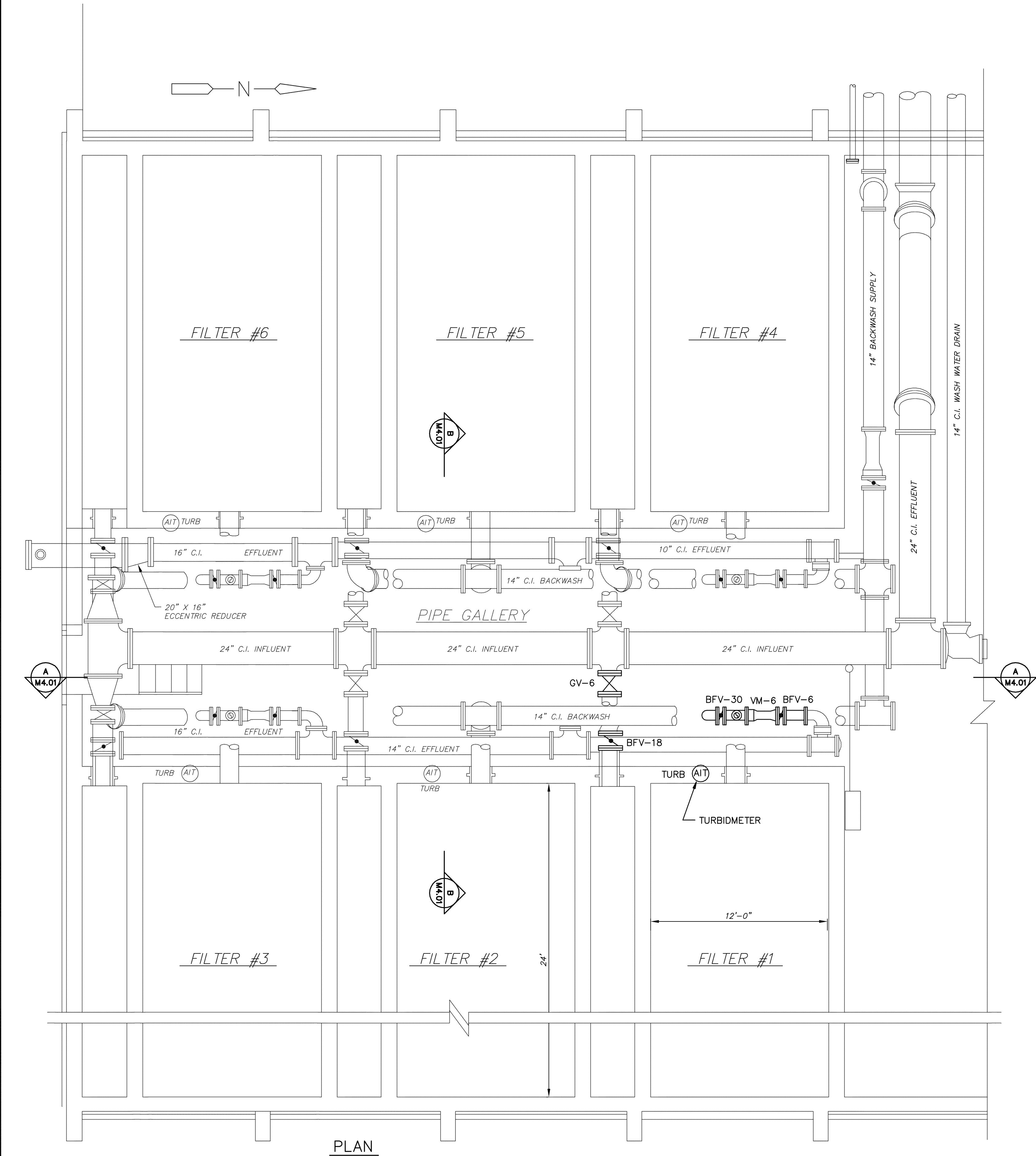
1'-11"

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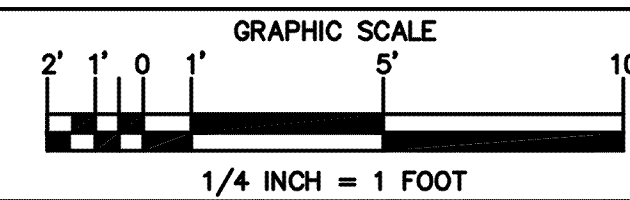


GRAPHIC SCALE 2' 1' 0' 1' 5' 10' 1/4" INCH = 1 FOOT			
NO.	DATE	DESCRIPTION	BY
FILTER GALLERY DEMOLITION			
JAMES STREET WATER TREATMENT REHABILITATION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave. Hattiesburg, MS 39401 (601) 544-3821 (601) 544-0501 sdw.com			
NEEL-SCHAFFER Solutions you can build upon			
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Date: 09/2014		Scale: 1/4"=1'-0"	
Drawing No.: 1273-W010		Sheet No. M4.00	

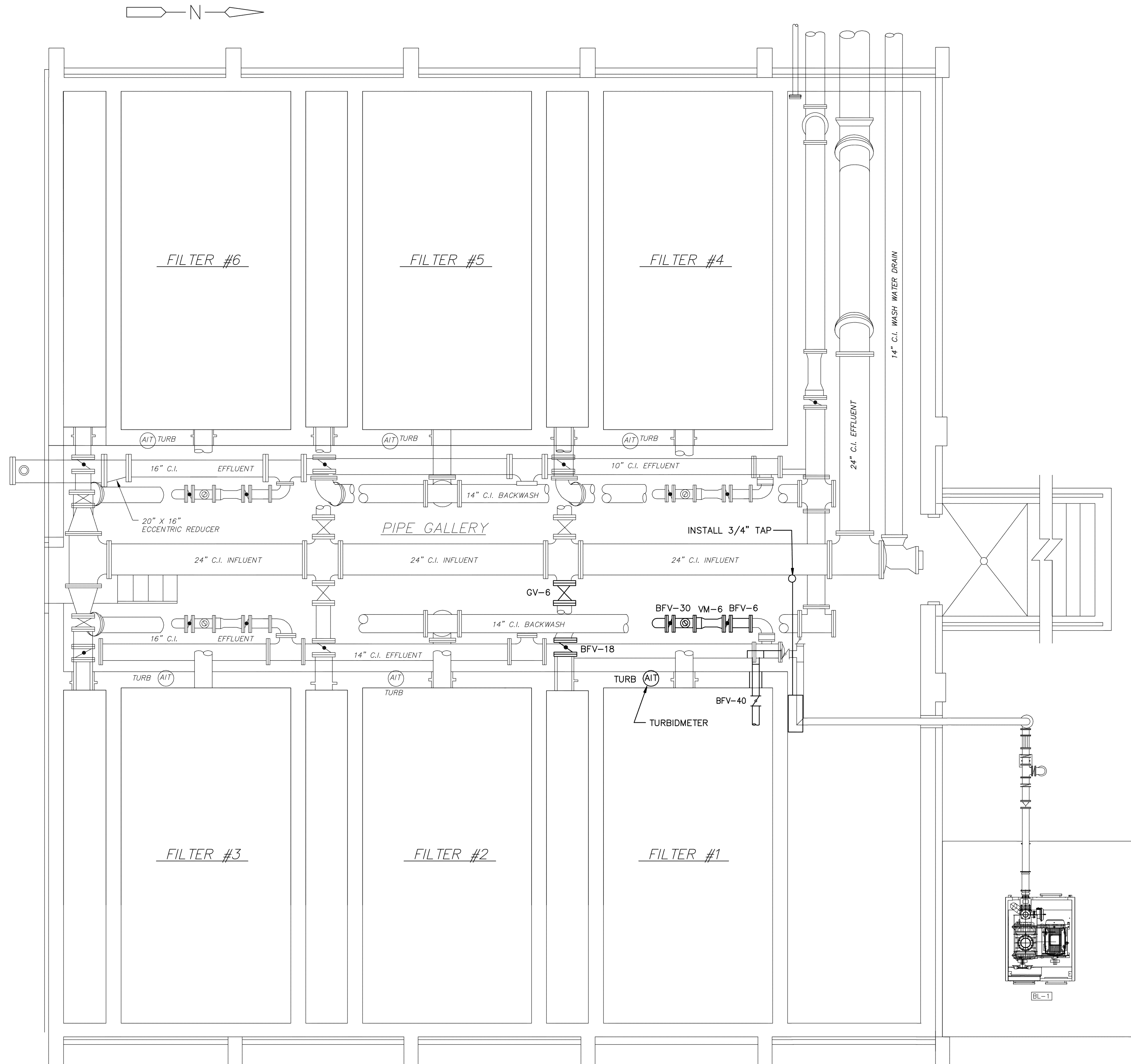
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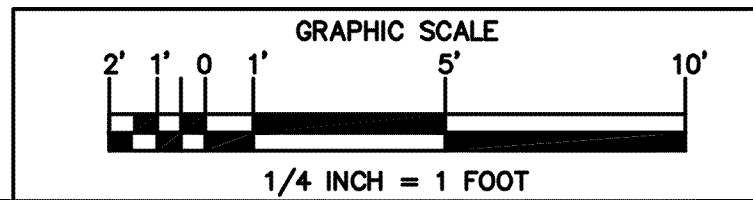
NOTE:
ALL INSTALLED AND DISTURBED PIPING IN PIPING GALLERY SHALL BE SURFACED PREPARED AND PAINTED AS SPECIFIED IN SECTION 09900.



NO.	DATE	DESCRIPTION	BY
FILTER RENOVATIONS			
JAMES STREET WATER TREATMENT REHABILITATION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave. Hattiesburg, MS 39401 (601) 544-3821 (601) 544-0501 sdw.com			
NEEL-SCHAFFER Solutions you can build upon			
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Drawing No.: 1273-W010		Sheet No. M4.01	



PLAN



NO.	DATE	DESCRIPTION	BY

AIR PIPING PLAN

JAMES STREET WATER TREATMENT REHABILITATION
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

sdw
Engineering Progress
301 Second Ave. | Hattiesburg, MS 39401 | (p) 601.544.8221 | (f) 601.544.0501 | sdw.com

NEEL-SCHAFFER
Solutions you can build upon

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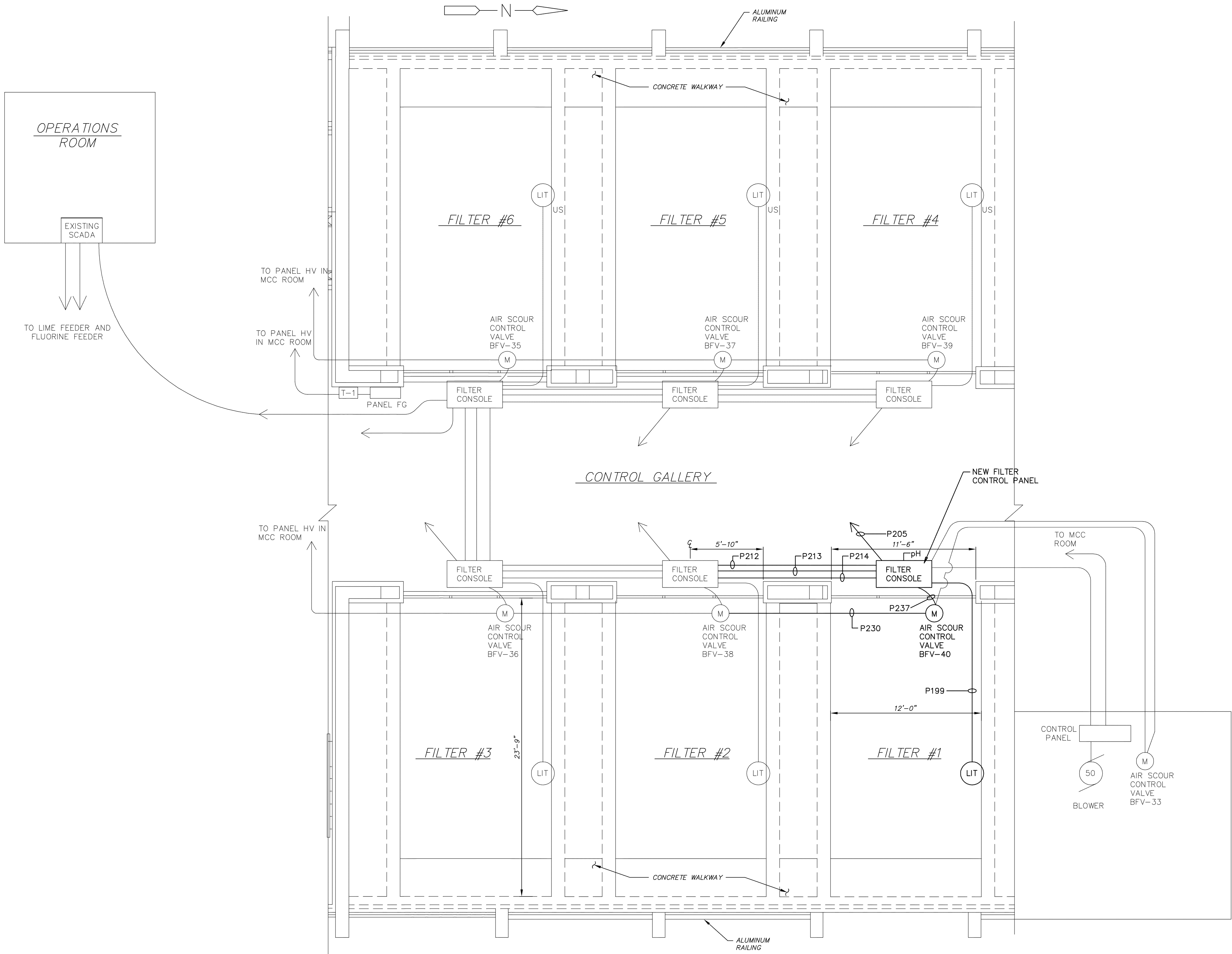
CONDUIT AND WIRING SCHEDULE				
CONDUIT	FROM	TO	CONDUIT AND WIRE	USE
P126	BFV-5	BFV-18	1" C W/3#10, 1#10 GRD	POWER
P127	BFV-18	BFV-24	1" C W/3#10, 1#10 GRD	POWER
P128	BFV-24	BFV-12	1" C W/3#10, 1#10 GRD	POWER
P129	BFV-12	BFV-30	1" C W/3#10, 1#10 GRD	POWER
P130	BFV-30	BFV-6	1" C W/3#10, 1#10 GRD	POWER
P151	FILTER 6 TURBIDITY METER	PANEL FG	3/4" C W/2#12, 1#12 GRD	POWER
P152	FILTER 6 TURBIDITY METER	FILTER 6 CONSOLE	3/4" C W/1-2C#16 SH	POWER
P153	FILTER 6 DP CELL	FILTER 6 CONSOLE	3/4" C W/1-2C#16 SH	POWER
P154	FILTER 6 FLOW METER	FILTER 6 CONSOLE	3/4" C W/1-2C#16 SH	POWER
P162	FILTER 6 LOSS OF HEAD	FILTER 6 CONSOLE	3/4" C W/1-2C#16 SH	POWER
P189	BFV-18	FILTER 6 CONSOLE	1" C W/10#14, 1#14 GRD	CONTROL
P190	BFV-24	FILTER 6 CONSOLE	1" C W/10#14, 1#14 GRD	CONTROL
P191	BFV-12	FILTER 6 CONSOLE	1" C W/10#14, 1#14 GRD	CONTROL
P192	BFV-30	FILTER 6 CONSOLE	1" C W/10#14, 1#14 GRD	CONTROL
P193	BFV-6	FILTER 6 CONSOLE	1" C W/10#14, 1#14 GRD	CONTROL
P199	FILTER 6 LEVEL METER	FILTER 6 CONSOLE	3/4" C W/1-2C#16 SH	SIGNAL
P205	PANEL FG	FILTER 6 CONSOLE	3/4" C W/2#12, 1#12 GRD	POWER
P212	FILTER 6 CONSOLE	FILTER 5 CONSOLE	2" C W/30#14, 1#14 GRD	CONTROL
P213	FILTER 6 CONSOLE	FILTER 5 CONSOLE	2" C W/10-2C#16 SH	SIGNAL
P214	FILTER 6 CONSOLE	FILTER 5 CONSOLE	1" C W/ETHERNET	SIGNAL
P225	FILTER 6 CONSOLE	BLOWER PANEL	1" C W/10#14, 1#14 GRD	CONTROL
P230	BFV-38	BFV-40	1" C W/3#10, 1#10 GRD	POWER
P231	BFV-40	BFV-33	1" C W/3#10, 1#10 GRD	POWER
P237	BFV-40	FILTER 6 CONSOLE	1" C W/10#14, 1#14 GRD	CONTROL
P238	BFV-33	FILTER 6 CONSOLE	1" C W/10#14, 1#14 GRD	CONTROL
P240	pH ANALYZER	FILTER 6 CONSOLE	3/4" C W/1-2C#16 SH	SIGNAL

PANEL FG SCHEDULE												
CIRCUIT NUMBER	WIRE SIZE	BREAKER SIZE	DESCRIPTION OF LOAD	LOAD KVA	KVA PER PHASE			LOAD KVA	DESCRIPTION OF LOAD	BREAKER SIZE	WIRE SIZE	CIRCUIT NUMBER
					A	B	C					
1	#12	20A/1P	FILTER 1 TURBIDITY METER	0.50	1.00			0.50	FILTER 2 TURBIDITY METER	20A/1P	#12	2
3	#12	20A/1P	FILTER 3 TURBIDITY METER	0.50		1.00		0.50	FILTER 4 TURBIDITY METER	20A/1P	#12	4
5	#12	20A/1P	FILTER 5 TURBIDITY METER	0.50			1.00	0.50	FILTER 6 TURBIDITY METER	20A/1P	#12	6
7	#12	20A/1P	FILTER 1 CONSOLE	0.50	1.00			0.50	FILTER 2 CONSOLE	20A/1P	#12	8
9	#12	20A/1P	FILTER 3 CONSOLE	0.50		1.00		0.50	FILTER 4 CONSOLE	20A/1P	#12	10
11	#12	20A/1P	FILTER 5 CONSOLE	0.50			1.00	0.50	FILTER 6 CONSOLE	20A/1P	#12	12
13	#12	20A/1P	FIT	0.50	0.50							14
15												16
17												18
19												20
POWER PANEL FG LOCATED IN FILTER GALLERY			TOTAL KVA	2.50	2.00	2.00	SERVICE CHARACTERISTICS: 120/208V - 3 PHASE - 4 WIRE - 60 Hz, 100 AMP. MAIN BREAKER WITH 100 AMP. BUS PROVIDE GROUND BUS					
			GRAND CONNECTED TOTAL KVA	6.50								

NOTE:
EXISTING PANEL IN PLACE TO
REMAIN. ONLY CIRCUITS FOR FILTER
#1 SHALL BE MODIFIED.

NO.	DATE	DESCRIPTION	BY
ELECTRICAL DETAILS			
JAMES STREET WATER TREATMENT REHABILITATION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
sdw Engineering Progress 301 Second Ave. Hattiesburg, MS 39401 (p) 601.544.1821 (f) 601.544.0501 sdw.com			
 NEEL-SCHAFFER Solutions you can build upon			
Drawn by: JEM		Checked by: VGR	
Date: 09/2014		Scale: NTS	
Drawing No.: 1273-W010		Sheet No. ____ E2.00 ____	

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SECOND FLOOR PLAN RENOVATION

NOTES:

1. ALL DIMENSIONS ARE APPROXIMATE.
CONTRACTOR SHALL FIELD VERIFY.

2'1'0'1'5'10'

GRAPHIC SCALE

1/4" = 1'0"

NO.	DATE	DESCRIPTION	BY
		2ND FLOOR FILTER ELECTRICAL	
		JAMES STREET WATER TREATMENT REHABILITATION	
		CITY OF HATTIESBURG	
		FORREST COUNTY, MISSISSIPPI	

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NEEL-SCHAFFER

Solutions you can build upon

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Date: 09/2014	Scale: 1/4"=1'-0"
Drawing No.: 1273-W010	Sheet No.: E3.00

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ONE-LINE	PLAN	CONTROL SCHEMATIC	DESCRIPTION
-	-		RELAY COIL, NUMBER AS INDICATED
-	-		REPEAT CYCLE RELAY COIL, NUMBER AS INDICATED
			INDUSTRIAL CONTROL RELAYS FORM A-NORMALLY OPEN FORM B-NORMALLY CLOSED PLUG-IN RELAY (ICE-CUBE RELAY) FORM C
-	-		MOTOR STARTER COIL, NUMBER AS INDICATED
-	-		TIME DELAY ON DE-ENERGIZATION R = RANGE (MIN, SEC, ETC) S = SETPOINT TIME TO TRIP
			TDD FORM A-NORMALLY OPEN CLOSES ON DE-ENERGIZATION TDD FORM B-NORMALLY CLOSED OPENS ON DE-ENERGIZATION
			TDD FORM A INSTANTANEOUS CONTACT TDD FORM B INSTANTANEOUS CONTACT
-	-		TIME DELAY ON ENERGIZATION R = RANGE (MIN, SEC, ETC) S = SETPOINT TIME TO TRIP
			TDE FORM A-NORMALLY OPEN CLOSES ON ENERGIZATION TDE FORM B-NORMALLY CLOSED OPENS ON ENERGIZATION
			TDE FORM A INSTANTANEOUS CONTACT TDE FORM B INSTANTANEOUS CONTACT
	-		OVERLOAD RELAY DEVICE (OL)
-	-		3 PHASE SOLID STATE OVERLOAD RELAY
			COMBINATION MOTOR CIRCUIT PROTECTOR & MAGNETIC MOTOR STARTER, FULL VOLTAGE NON- REVERSING NEMA SIZE 1 UNLESS NOTED OTHERWISE * FVR - FULL VOLTAGE REVERSING RVNR - REDUCED VOLTAGE NON-REVERSING 2S1W - TWO SPEED, ONE WINDING 2S2W - TWO SPEED, TWO WINDING
		-	MAGNETIC MOTOR STARTER, FULL VOLTAGE NON- REVERSING NEMA SIZE 1 UNLESS NOTED OTHERWISE
	-	-	LOAD BREAK SWITCH
			NON-FUSIBLE DISCONNECT SWITCH, 600V, 3 POLE * AMPERE RATING. NOTED IF OTHER THAN 30A.
			FUSIBLE DISCONNECT SWITCH, 600V, 3 POLE AMPERE RATING AND FUSE SIZE AS NOTED.
			MANUAL MOTOR STARTER WITH THERMAL OVERLOAD DEVICE (SIZE 1 UNLESS OTHERWISE NOTED)
			TRANSFORMER, RATING & CONNECTIONS AS NOTED * DRAWN TO SCALE ON PLANS
			CIRCUIT BREAKER
	-	-	CURRENT TRANSFORMER QUANTITY & CURRENT RATIO AS NOTED
	-	-	POTENTIAL TRANSFORMER QUANTITY & VOLTAGE RATIO AS NOTED
			CORE BALANCE CT
	-		LIGHTNING ARRESTER
	-		CAPACITOR
			GROUND OR GROUND ROD
		-	GROUND TEST WELL
	-		FUSE, AMPERE RATING AS NOTED
	-	-	KIRK KEY INTERLOCK
			MOTORIZED VALVE (MOV) WITH INTERNAL MAGNETIC STARTER

ONE-LINE	PLAN	CONTROL SCHEMATIC	DESCRIPTION																
			STRIP HEATER OR HEATING ELEMENT																
	-		LOCAL INDICATING LIGHT, COLOR AS NOTED * R-RED B-BLUE A-AMBER G-GREEN W-WHITE																
			MOTOR, NUMERAL INDICATES HORSEPOWER																
-		-	DAMPER MOTOR																
	-		LIGHTING CONTACTOR (MECHANICALLY HELD)																
-	-		MECHANICAL INTERLOCK																
-			PHOTOCELL																
-	-		DCU/PLC IO DEVICE																
-		-	UNIT HEATER - ELECTRIC HEATING COIL AND FAN → = DIRECTION OF FLOW																
-			CONDUCTORS OR CONDUITS CROSSING PATHS BUT NOT CONNECTED. (NOTE: ALL THREE METHODS ARE APPLICABLE AND ARE USED TO INSURE CLARITY OF SCHEMATIC OR WIRING DIAGRAM)																
-			CONDUCTORS ELECTRICALLY CONNECTED																
			INDICATES LIMITS OF EQUIPMENT OR WIRING ENCLOSURE.																
			PUSHBUTTON, MOMENTARY CONTACT, SPRING RETURN, NORMALLY CLOSED (STOP)																
			PUSHBUTTON, MOMENTARY CONTACT, SPRING RETURN, NORMALLY OPEN (START)																
			EMERGENCY STOP PUSHBUTTON WITH LOCKOUT, RED MUSHROOM HEAD OPERATOR.																
			STOP PUSHBUTTON CONTROL STATION WITH LOCKOUT DEVICE																
			START/STOP PUSHBUTTON CONTROL STATION WITH LOCKOUT DEVICE ON STOP																
			START/STOP PUSHBUTTON CONTROL STATION, MAINTAINED CONTACT, WITH LOCKOUT DEVICE ON STOP																
		<table><tr><th>POSITION</th><th>1-CONTACT</th><th>2-CONTACT</th></tr><tr><td>A</td><td>X</td><td>O</td></tr><tr><td>B</td><td>O</td><td>X</td></tr></table> X-CLOSED O-OPEN	POSITION	1-CONTACT	2-CONTACT	A	X	O	B	O	X	TWO POSITION SELECTOR SWITCH, MAINTAINED CONTACT (JOG MOMENTARY) * L/R, O/O, OR OTHERWISE NOTED							
POSITION	1-CONTACT	2-CONTACT																	
A	X	O																	
B	O	X																	
		<table><tr><th>POSITION</th><th>1-CONTACT</th><th>2-CONTACT</th><th>3-CONTACT</th></tr><tr><td>A</td><td>X</td><td>O</td><td>O</td></tr><tr><td>B</td><td>O</td><td>O</td><td>O</td></tr><tr><td>C</td><td>O</td><td>O</td><td>X</td></tr></table> X-CLOSED O-OPEN	POSITION	1-CONTACT	2-CONTACT	3-CONTACT	A	X	O	O	B	O	O	O	C	O	O	X	THREE POSITION SELECTOR SWITCH, MAINTAINED CONTACT * H/O/A L/O/R R/S/L OR OTHERWISE NOTED
POSITION	1-CONTACT	2-CONTACT	3-CONTACT																
A	X	O	O																
B	O	O	O																
C	O	O	X																
		<table><tr><th>POSITION</th><th>1-CONTACT</th><th>2-CONTACT</th><th>3-CONTACT</th></tr><tr><td>A</td><td>X</td><td>O</td><td>O</td></tr><tr><td>B</td><td>O</td><td>O</td><td>O</td></tr><tr><td>C</td><td>O</td><td>O</td><td>X</td></tr></table> X-CLOSED O-OPEN	POSITION	1-CONTACT	2-CONTACT	3-CONTACT	A	X	O	O	B	O	O	O	C	O	O	X	THREE POSITION SELECTOR SWITCH, MOMENTARY CONTACT, SPRING RETURN TO CENTER (OFF) * F/O/R O/S/C OR AS OTHERWISE NOTED.
POSITION	1-CONTACT	2-CONTACT	3-CONTACT																
A	X	O	O																
B	O	O	O																
C	O	O	X																
			SOLENOID VALVE OPERATOR																
			PRESSURE OR VACUUM SWITCH NORMALLY OPEN, CLOSES ON RISING PRESSURE																
			NORMALLY CLOSED, OPENS ON RISING PRESSURE																
			TEMPERATURE ACTUATED SWITCH (THERMOSTAT) NORMALLY OPEN, CLOSES ON RISING TEMPERATURE																
			NORMALLY CLOSED, OPENS ON RISING TEMPERATURE																
			LEVEL SWITCH																

ONE-LINE	PLAN	CONTROL SCHEMATIC	DESCRIPTION
			LEVEL SWITCH
			FLOW SWITCH
			LIMIT SWITCH
			TEMPERATURE DETECTOR
		-	LIGHTING PANELBOARD, "A" INDICATES PANEL NAME
		-	POWER PANELBOARD, "A" INDICATES PANEL NAME
		-	JUNCTION BOX
		-	THREE (3) No 12 AWG CONDUCTORS AND ONE (1) NO. 12 EQUIPMENT GROUNDING CONDUCTOR IN 3/4" CONDUIT.
		-	MULTI-CONDUCTOR, JACKETED POWER OR CONTROL CABLE, NUMBER AND SIZE OF CORE CONDUCTORS AS NOTED. QUANTITY AS INDICATED IF MORE THAN ONE; ONE (1) SEVEN CONDUCTOR No 14 AWG CABLE, IN 1" CONDUIT.
		-	DENOTES A QUANTITY OF (2) INSTRUMENT CABLES. EACH CABLE TO CONSIST OF (2) NO. 16 AWG CONDUCTORS TWISTED TOGETHER AND COVERED WITH A METALLIC SHIELD AND AN OVERALL PROTECTIVE JACKET. REFER TO THE SPECIFICATIONS FOR THE EXACT CABLE TO BE PROVIDED
		-	SAME AS ABOVE EXCEPT CABLE TO CONSIST OF (3) NO. 16 AWG CONDUCTORS TWISTED, SHIELDED, AND COVERED WITH AN OVERALL PROTECTIVE JACKET. REFER TO THE SPECIFICATIONS FOR THE EXACT CABLE TO BE PROVIDED.
		-	SINGLE POLE SWITCH, "a" INDICATES CONTROL CIRCUIT DESIGNATION
		-	THREE-WAY SWITCH, "a" INDICATES CONTROL CIRCUIT DESIGNATION
		-	DUPLEX RECEPTACLE, 120V, 3W, SINGLE PHASE * C - MOUNTED ABOVE COUNTER TOP GFI - GROUND FAULT INTERRUPTER TYPE WP - WEATHERPROOF
		-	208/240, 1-PHASE RECEPTACLE, CURRENT RATING AS SPECIFIED IN PANEL SCHEDULE.
		-	SINGLE RECEPTACLE, 240V, 4W, THREE PHASE, AMPERE RATING AS NOTED * WP - WEATHERPROOF; 30 DESIGNATES 30 AMP RATING.
		-	SINGLE RECEPTACLE, 480V, 4W, THREE PHASE, AMPERE RATING AS NOTED * WP - WEATHERPROOF; 30 DESIGNATES 30 AMP RATING.
		-	FLOOR RECEPTACLE
			ITEMS/DEVICES TO BE REMOVED, REFER TO NOTES ON RESPECTIVE SHEET FOR SPECIAL PROVISIONS OR REQUIREMENTS.
-	-		TERMINAL
-	-	-	CONDUIT INSTALLED BELOW
-	-	-	CONDUIT INSTALLED EXPOSED
-	-	-	CONDUIT INSTALLED ABOVE SUSPENDED CEILING
			HEAT TAPE UNIT

ELECTRICAL GENERAL NOTES

- ALL CONDUIT AND EQUIPMENT SHALL BE INSTALLED AND GROUNDED IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND OTHER APPLICABLE CODES.
- CONDUIT INSTALLATIONS SHALL BE DONE IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BEAMS AND WALLS.
- CONDUITS SHALL BE TERMINATED SO AS TO PERMIT NEAT CONNECTIONS TO MOTORS AND OTHER EQUIPMENT.
- CONDUIT SMALLER THAN 3/4" TRADE SIZE PIPE OR WIRE SMALLER THAN NO. 12 AWG SHALL NOT BE USED UNLESS OTHERWISE NOTED.
- THE PLANS DO NOT SHOW RACEWAYS AND CONDUCTORS BETWEEN RECEPTACLES, LIGHTING FIXTURES, AND SWITCHES. THE CONTRACTOR SHALL FURNISH AND INSTALL THESE CONNECTIONS IN ACCORDANCE WITH THE ASSIGNED FIXTURE OR RECEPTACLE CIRCUIT NUMBER AND SWITCH DESIGNATIONS. HOMERUNS SHOW CONCEALED SHALL BE INDICATIVE OF ENTIRE CONDUIT INSTALLATION. THE SAME SHALL APPLY FOR HOMERUNS SHOWN EXPOSED. REFER TO SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.
- SWITCHES SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. RECEPTACLES SHALL BE MOUNTED 4'-0" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED, EXCEPT RECEPTACLES IN OFFICES OR AREAS WITH HUNG CEILINGS, WHICH SHALL BE MOUNTED 1'-6" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED.
- THE WIRING DIAGRAMS, BLOCK DIAGRAMS, QUANTITY, SIZE OF WIRES AND CONDUIT REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND/OR SPECIFICATIONS.
- LIGHTING FIXTURES SHALL BE MOUNTED ACCORDING TO THE MOUNTING HEIGHT GIVEN ON THE DRAWINGS. THE MOUNTING HEIGHT SHALL BE MEASURED FROM THE BOTTOM OF THE LIGHTING FIXTURE TO THE FINISHED FLOOR.
- CONDUIT AND WIRE (NOT SHOWN) FOR THE HVAC CONTROL EQUIPMENT AND MISCELLANEOUS DEVICES SHALL BE FURNISHED AND INSTALLED UNDER THE HVAC SPECIFICATIONS AND SHALL BE:
 - 3/4" MINIMUM RIGID GALVANIZED STEEL OR PVC COATED RIGID GALVANIZED STEEL CONDUIT.
 - (REFER TO THE NEMA RATING OF THE ROOM OR AREA)
 - NO. 14 CU. WIRE (MIN). NUMBER OF WIRES AS REQUIRED.
- ALL EQUIPMENT LOCATIONS SHALL BE VERIFIED WITH THE INSTALLING CONTRACTOR. THE EXACT LOCATIONS OF ALL ELECTRICAL EQUIPMENT AND ROUTING OF ALL CABLES AND CONDUITS SHALL BE COORDINATED WITH AND APPROVED BY THE RESIDENT ENGINEER DURING CONSTRUCTION.
- SWITCHGEAR AND MCC COMPARTMENT DESIGNATIONS AS INDICATED BELOW:
BLANK: NOT INTENDED FOR USE. PLATE ONLY.
SPACE: CONTAINS NECESSARY BUS AND HARDWARE FOR FUTURE ADDITION OF BREAKERS OR STARTERS WITHIN SIZE RANGE SHOWN.
SPARE: CONTAINS A COMPLETE BREAKER OR STARTER INSTALLED. SIZE AS INDICATED FOR FUTURE USE.
- ALL MOTOR STARTER CONTROL TRANSFORMERS SHALL BE A MINIMUM OF 100VA AND, IF NECESSARY, BE INCREASED IN SIZE SO AS TO PROVIDE SUFFICIENT VOLT-AMPERE CAPACITY FOR OPERATING ALL ELECTRICAL DEVICES ASSOCIATED WITH THE CONTROL OF THE MOTOR. THIS SHALL INCLUDE STARTER COIL, RELAYS, TIMERS, MOTOR HEATERS, INDICATING LIGHTS, ETC.
- ALL UNDERGROUND SCHEDULE 40 PVC CONDUIT SHALL BE ENCASED IN REINFORCED CONCRETE AS SHOWN ON THE DRAWINGS AND AS SPECIFIED.
- ALL 90 DEG. ELBOWS IN THE UNDERGROUND CONDUIT DUCT BANK SYSTEM SHALL BE RIGID GALVANIZED CONDUIT. CONCRETE ENCASED PVC SCH 40 CONDUIT SHALL END APPROXIMATELY 10'-0" FROM ALL PULLBOXES, EQUIPMENT, OR HANDHOLES AND BE COMPLETE WITH RIGID GALVANIZED CONDUIT TO THE RESPECTIVE PIECE OF EQUIPMENT.
- MINIMUM SIZE DISCONNECT SWITCH SHALL BE 30A/3P, IN A NEMA 4XSS ENCLOSURE, UNLESS NOTED OTHERWISE.
- ENCLOSURES MOUNTED ON "WET" WALLS AND WALLS BELOW GRADE SHALL BE MOUNTED ON VERTICAL SEGMENTS OF BACK TO BACK PRE MANUFACTURED DOUBLE UNISTRUT. MATERIAL SELECTION SHALL BE BASED ON THE NEMA RATING OF THE AREA.

NO.	DATE	DESCRIPTION	BY
ELECTRICAL LEGEND I			
JAMES STREET WATER TREATMENT REHABILITATION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
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Date: 09/2014		Scale: NTS	
Drawing No.: 1273-W010		Sheet No. E5.00	

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ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
	INCANDESCENT, COMPACT FLUORESCENT OR H.I.D. TYPE LIGHTING FIXTURE "A" - FIXTURE TYPE "b" - CONTROLLED BY SWITCH "b" "3" - CIRCUIT NUMBER
	FLUORESCENT TYPE LIGHTING FIXTURE, NOTATIONS SAME AS ABOVE
	WALL OUTLET AND INCANDESCENT, COMPACT FLUORESCENT OR H.I.D. TYPE LIGHTING FIXTURE, NOTATIONS SAME AS ABOVE
	CEILING MOUNTED EXIT SIGN
	WALL OUTLET EXIT SIGN. ARROW INDICATES DIRECTION OF EGRESS
	REMOTE EMERGENCY CEILING LIGHTING FIXTURE
	EMERGENCY LIGHTING BATTERY UNIT WITH 2 LAMP HEADS, TYPE AND WATTAGE PER LIGHTING FIXTURE SCHEDULE
	EXPOSED CONDUIT
	CONCEALED CONDUIT
	CONDUIT INSTALLED EXPOSED TURNING UP
	CONDUIT INSTALLED EXPOSED TURNING DOWN
	CONDUIT INSTALLED CONCEALED TURNING UP
	CONDUIT INSTALLED CONCEALED TURNING DOWN
	EXPOSED CONDUIT STUBBED OUT AND CAPPED
	DENOTES A QUANTITY OF (2) 3 INCH CONDUITS EACH CONTAINING (3) NO. 3/0 AWG CONDUCTORS AND (1) NO. 2 AWG GROUND CONDUCTOR
	(3) 4-INCH CONDUITS
	FLEXIBLE METAL CONDUIT
	HOMERUN, CIRCUITS 1 AND 3 RUN TO PANEL LP-1
	HOMERUN TO EMERGENCY BATTERY UNIT BU-1
	HOMERUN TO TELEPHONE BACKBOARD
	"T" FITTING IN CONDUIT
	TIME SWITCH
	TERMINAL CABINET
	OCCUPANCY SENSOR
	PHOTOCELL
	EMERGENCY SHOWER ALARM STATION
	SINGLE FACE CLOCK AND CLOCK HANGER OUTLET
	DOOR SWITCH
	EMERGENCY STOP SWITCH

SYMBOL	DESCRIPTION
	SONIC START DEVICE
	NO MOTION SENSOR
	REACTOR
	INDICTES STAINLESS STEEL DISCONNECT OR ENCLOSURE
HAZARDOUS LOCATIONS	
	REFER TO NFPA-820 FOR ENVELOPE REQUIREMENTS
	REFER TO NFPA-820 FOR ENVELOPE REQUIREMENTS
	REFER TO NFPA-820 FOR ENVELOPE REQUIREMENTS
COMMUNICATIONS SYSTEMS	
	TELEPHONE HANDSET, DESK TYPE K = KEY SYSTEM
	TELEPHONE HANDSET, WALL TYPE K = KEY SYSTEM
	TELEPHONE WALL OUTLET
	PAGE/PARTY TELEPHONE HANDSET, WALL TYPE (MOUNT UP 4'-6")
	PAGING SPEAKER, WALL MOUNTED "H1, H2" DENOTES HORN TYPE "W" DENOTES WIDE ANGLE TYPE
	PAGING SPEAKER, WALL MOUNTED, BI-DIRECTIONAL H = HORN TYPE
	PAGING SPEAKER, FLUSH MOUNTED CEILING TYPE
	PAGING SPEAKER, SURFACE MOUNTED CEILING TYPE
	REMOTE WALL MOUNTED VOLUME CONTROL FOR CEILING SPEAKER (MOUNT UP 5'-0")
	PAGING SPEAKER AMPLIFIER ASSEMBLY
	TELEPHONE CABINET OR BACKBOARD AS NOTED
	DATA INPUT/OUTPUT CABLE OUTLET. "P" DENOTES PROCESS COMPUTER SYSTEM
	WEATHERPROOF HI-INTENSITY EMERGENCY CALL PANEL STROBE LIGHT, AMBER COLOR
	EMERGENCY CALL PANEL HORN MOUNT 10'-0" HIGH
	EMERGENCY CALL PANEL HORN AND STROBE LIGHT COMBINATION, MOUNT 6'-8" HIGH.
	TELEPHONE SYSTEM HOMERUN TO TELEPHONE BACKBOARD CONDUIT SIZE PULL STRING

SYMBOL	DESCRIPTION
SECURITY SYSTEMS	
	SECURITY ALARM PANEL
	SECURITY ALARM DOOR SWITCH
	SECURITY ALARM KEY PAD
	SECURITY SYSTEM CARD ACCESS READER
	SECURITY ALARM WINDOW SWITCH
	SECURITY ALARM MOTION DETECTOR
	CLOSED CIRCUIT TV CAMERA
	PAN, TILT, ZOOM CAMERA LENS CONTROLS
	GLASS BREAK DETECTOR
FIRE ALARM SYSTEMS	
	FIRE ALARM HEAT DETECTOR 136" FIXED TEMPERATURE UNLESS OTHERWISE NOTED. "200" DENOTES 200°F TYPE, "R" DENOTES FIXED TEMPERATURE RATE-OF-RISE TYPE.
	FIRE ALARM SMOKE DETECTOR PHOTOCELL TYPE UNLESS OTHERWISE NOTED. "I" DENOTES IONIZATION TYPE.
	FIRE ALARM DUCT SMOKE DETECTOR
	FIRE ALARM CONTROL PANEL
	FIRE ALARM VENTILATION PANEL WITH GRAPHIC PANEL
	REMOTE FIRE ALARM ANNUNCIATOR PANEL
	FIRE ALARM MASTER BOX
	FIRE ALARM HORN, MOUNT UP 7'-6"
	FIRE ALARM STROBE, MOUNT UP 6'-8"
	FIRE ALARM HORN AND STROBE LIGHT COMBINATION, MOUNT UP 6'-8"
	GAS DETECTION SYSTEM HORN AND STROBE LIGHT COMBINATION, MOUNT UP 7'-0"
	FIRE ALARM MANUAL PULL STATION, MOUNT UP 4'-0"
	SPRINKLER VALVE SUPERVISORY SWITCH
	FIRE ALARM BELL
	WEATHERPROOF HI-INTENSITY FIRE ALARM STROBE LIGHT
	PASSIVE INFRARED DETECTOR
	SPRINKLER FLOW ALARM SWITCH

ELECTRICAL ABBREVIATIONS

AC AFC AFF AG AI AJ ALUM AMP AO ATL ATS AUTO AUX AWG BLDG BKR BP C CB CHH CKT CLF CMH CP CPT CR CS CT CTRL CTU CU DCP DI DCU DIA DISC DN DO DPS DS EC EF EHH ELEV EM EMH ERH EUH EXH EXIST FBO FDR FIN FLEX FO FU	ALTERNATING CURRENT ADJUSTABLE FREQUENCY CONTROLLER ABOVE FINISHED FLOOR ABOVE GRADE ANALOG INPUT ANALOG JUNCTION BOX ALUMINUM AMPERE ANALOG OUTPUT ACROSS THE LINE AUTOMATIC TRANSFER SWITCH AUTOMATIC AUXILIARY AMERICAN WIRE GAUGE BUILDING BREAKER BYPASS CONDUIT CIRCUIT BREAKER COMMUNICATIONS HANDHOLE CIRCUIT CURRENT LIMITING FUSE COMMUNICATIONS MANHOLE CONTROL CONTROL POWER TRANSFORMER CONTROL RELAY CONTROL SWITCH CURRENT TRANSFORMER CONTROL CAPACITIVE TRIP UNIT COPPER DEWATERING CONTROL PANEL DISCRETE INPUT DISTRIBUTED CONTROL UNIT DIAMETER DISCONNECT DOWN DISCRETE OUTPUT DRY POLYMER SYSTEM DOOR SWITCH EMPTY CONDUIT EXHAUST FAN ELECTRICAL HANDHOLE ELEVATION EMERGENCY ELECTRICAL MANHOLE ELECTRIC RADIANT HEATER ELECTRIC UNIT HEATER EXPLOSION PROOF HEATER EXISTING FURNISHED BY OTHERS FEEDER FINISHED FLEXIBLE (AS IN FLEXIBLE CONDUIT) FIBER OPTIC FUSE	GCCP GEN G OR GND GFI GFP GRS HH H/O/A HP HT HTR HZ IG IHH IL IMH INST KS LA LBS LTO L/O/R LO LP LPU L/C L/R LS LTC M MCC MCP MD MFR MH MOD MOV MTD MTS NC NEMA-4XSS NEUT NIR NLBS NO NTS OH OL O/O O/O/C O/O/R	GRIT CHAMBER CONTROL PANEL GENERATOR GROUND GROUND FAULT INTERRUPTER GROUND FAULT PROTECTION GALVANIZED RIGID STEEL HANDHOLE HAND/OFF/AUTO HORSEPOWER HEIGHT HEATER HERTZ ISOLATED GROUND INSTRUMENTATION HANDHOLE INDICATING LIGHT INSTRUMENTATION MANHOLE INSTRUMENTATION OR INSTANTANEOUS KEY SWITCH LIGHTNING ARRESTER LOAD BREAK SWITCH LIGHTING LOCAL/OFF/REMOTE LOCK-OUT LIGHTING PANEL LOCAL PROCESSING UNIT LOCAL/COMPUTER LOCAL/REMOTE LIMIT SWITCH LIQUID-TIGHT FLEXIBLE CONDUIT MOTOR MOTOR CONTROL CENTER MOTOR CIRCUIT PROTECTOR MOISTURE DETECTOR MANUFACTURER MANHOLE MOTOR OPERATED DAMPER MOTOR OPERATED VALVE MOUNTED MANUAL TRANSFER SWITCH NORMALLY CLOSED NEMA ENCLOSURE RATING NEUTRAL NOT IN REMOTE NON LOAD BREAK SWITCH NORMALLY OPEN OR NUMBER NOT TO SCALE OVERHEAD OVERLOAD ON/OFF ON/OFF/COMPUTER ON/OFF/REMOTE	PB PCC PFCC PFR PC PH PJ PLC PLCS PNL POS PS PT PVC PW QTY RCP RDTCP REC REQD RGS R/S/L RTD SC SCH SEC SH SHT SN SS S/S S/SL SOL OR SV SPC SW SWGR TB TC TDC TD TEL TO TP TSW TVSS TWOS TYP UG UH US V VFD VS WP WPIU XP XFMR ZIT	PUSHBUTTON PUMP CONTROL CONSOLE POWER FACTOR CORRECTION CAPACITOR PHASE FAILURE RELAY PHOTOCELL PHASE POWER JUNCTION BOX PROGRAMMABLE LOGIC CONTROLLER PLACES PANEL POSITION CONTROL PRESSURE SWITCH POTENTIAL TRANSFORMER POLYVINYL CHLORIDE PREWIRED QUANTITY RELAY CONTROL PANEL ROTARY DRUM THICKENER CONTROL PANEL RECEPTACLE REQUIRED RIGID GALVANIZED STEEL RAISE/STOP/LOWER RESISTANCE TEMPERATURE DETECTOR SURGE CAPACITOR SCHEMATIC SECONDS OR SECONDARY SHIELDED SHEET SOLID NEUTRAL STAINLESS STEEL START/STOP START /STOP-LOCKOUT SOLENOID VALVE SPEED CONTROL SWITCH SWITCHGEAR TERMINAL BOX TERMINAL CABINET (PLAN) TIME DELAY ON CLOSING (SCH./ONLINE) TEMPERATURE DETECTOR TELEPHONE TIME DELAY ON OPENING TWISTED PAIR TWISTED SHIELDED WIRE TRANSIENT VOLTAGE SURGE SUPPRESSION TWISTED WIRE OVERALL SHIELD TYPICAL UNDERGROUND UNIT HEATER UNIT SUBSTATION VOLTS VARIABLE FREQUENCY DRIVE VIBRATION SWITCH WEATHERPROOF WEATHERPROOF WHILE IN USE EXPLOSION PROOF TRANSFORMER POSITION INDICATING TRANSMITTER
--	--	---	---	--	--

SCHEMATIC LEGEND

- EXTERNAL DEVICE TERMINAL CONNECTIONS
- DEVICE LOCATED IN FIELD
- DEVICE LOCATED IN CONTROL PANEL

NO.	DATE	DESCRIPTION	BY

ELECTRICAL SYMBOLS & ABBREV.

JAMES STREET WATER TREATMENT REHABILITATION
CITY OF HATTIESBURG
FORREST COUNTY, MISSISSIPPI

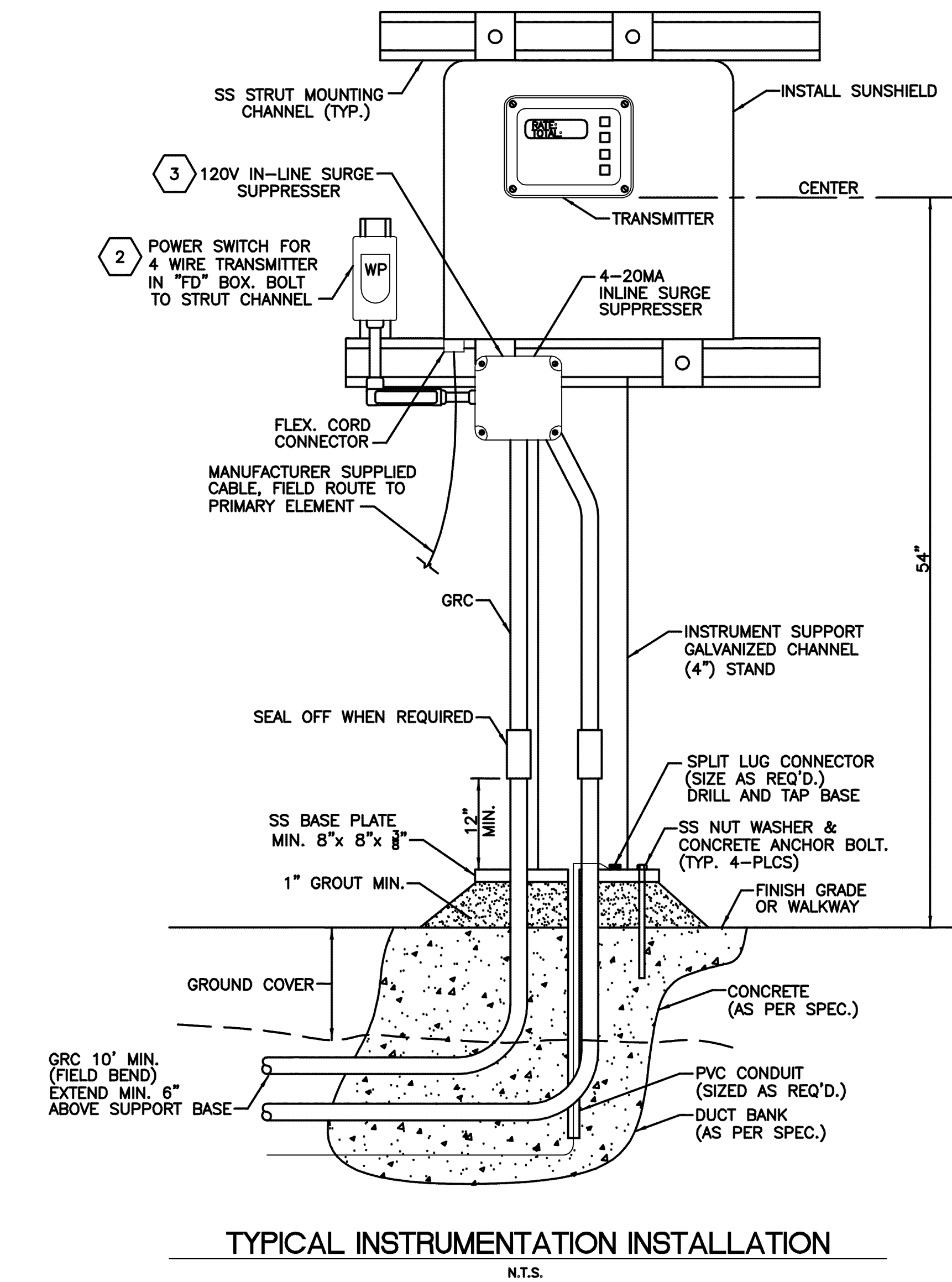
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3 DIN RAIL MOUNTED SILICON DIODE TYPE SUPPRESSOR FOR REMOTE MOUNTED OUTSIDE ONLY.

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IDENTIFICATION LETTERS

FIRST -- LETTER		SUCCEEDING -- LETTERS		
MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A ANALYSIS		ALARM		
B BURNER, COMBUSTION		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
C CONDUCTIVITY (ELECTRICAL)			CONTROL	
D DENSITY (MASS)	DIFFERENTIAL			
E VOLTAGE (EMF)		SENSOR (PRIMARY ELEMENT)		
F FLOW RATE	RATIO (FRACTION)			
G GAGING (DIMENSIONAL)		GLASS, VIEWING DEVICE		
H HAND (MANUALLY INITIATED)				HIGH
I CURRENT (ELECTRICAL)		INDICATE		
J POWER	SCAN			
K TIME, TIME SCHEDULE			CONTROL STATION	
L LEVEL		LIGHT (PILOT)		LOW
M MOISTURE OR HUMIDITY				MIDDLE INTERMEDIATE
N USER'S CHOICE		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
O USER'S CHOICE		ORIFICE, RESTRICTION		
P PRESSURE, VACUUM		POINT (TEST CONNECTION)		
Q QUANTITY	INTEGRATE, TOTALIZE	INTEGRATE OR TOTALIZE		
R RADIOACTIVITY		RECORD OR PRINT		
S SPEED, FREQUENCY	SAFETY		SWITCH	
T TEMPERATURE			TRANSMIT	
U MULTIVARIABLE	ULTRASONIC	MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V VISCOSITY			VALVE, DAMPER, LOUVER	
W WEIGHT, FORCE		WELL		
X UNCLASSIFIED		UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y EVENT, STATE OR PRESENCE			RELAY, COMPUTE, CONVERT	
Z POSITION,DIMENSION	Z AXIS		DRIVER, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT	

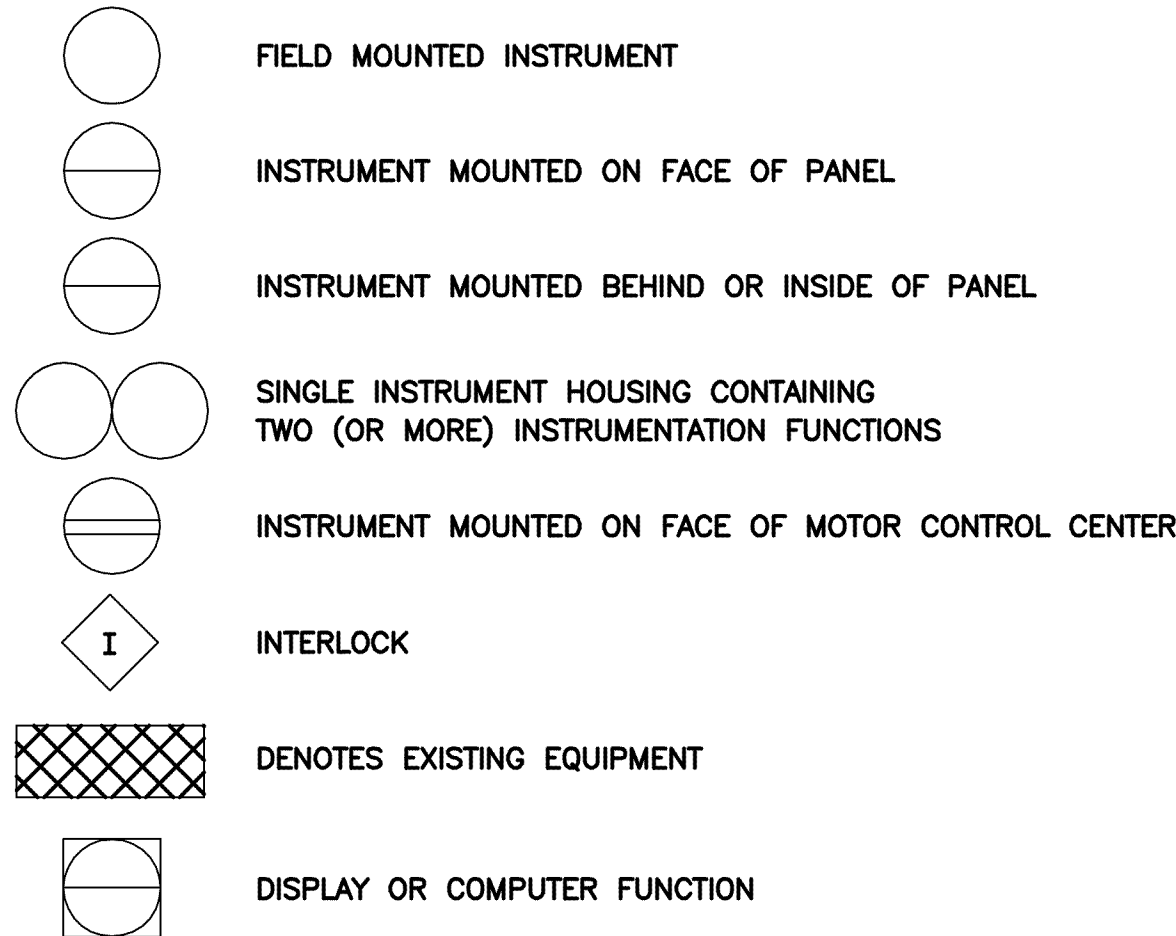
DIGITAL SYSTEMS
INTERFACE SYMBOLS

NOTE:
REFER TO SPECIFICATIONS FOR FUNCTIONAL DESCRIPTION
AND COMPLETE INPUT/OUTPUT LISTINGS.

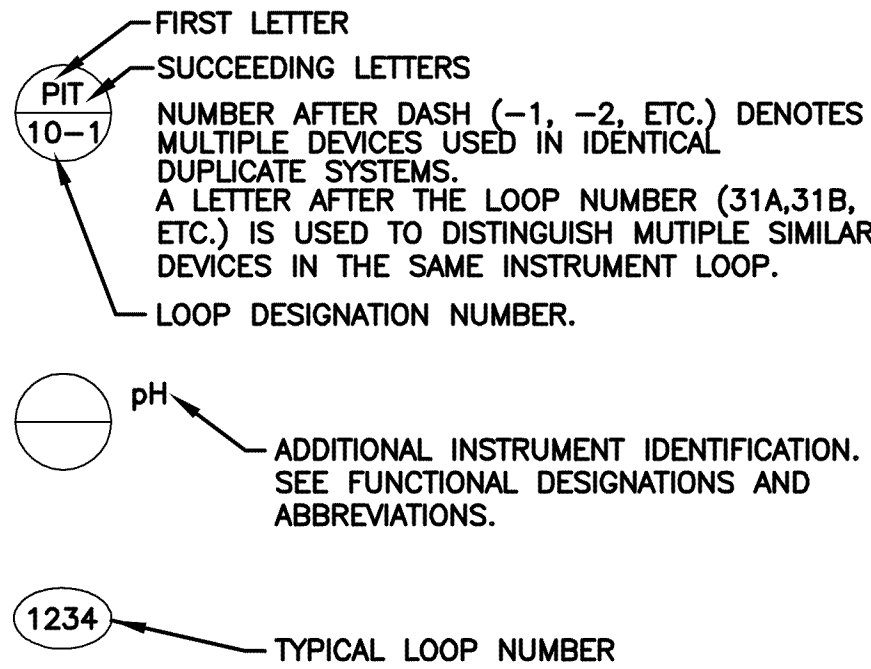
DI = DISCRETE INPUT
DO = DISCRETE OUTPUT
AI = ANALOG INPUT
AO = ANALOG OUTPUT

FUNCTION DESIGNATIONS
AND ABBREVIATIONS

GENERAL INSTRUMENT SYMBOLS



TAG NUMBERS AND
ADDITIONAL DESIGNATION



TRANSDUCER AND CONVERTER

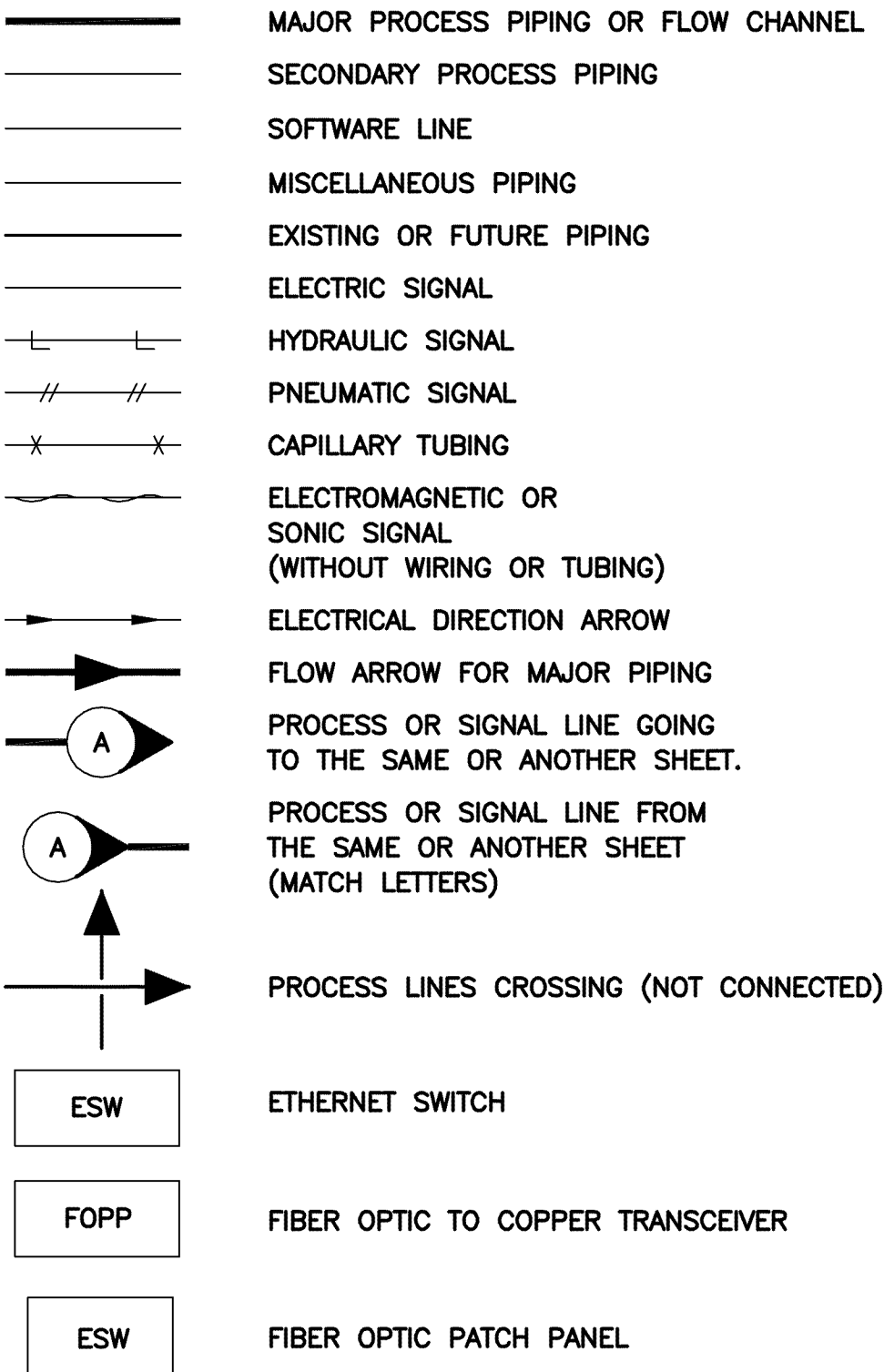
DESIGNATION

E VOLTAGE
H HYDRAULIC
I CURRENT
P PNEUMATIC
PD PULSE DURATION
PF PULSE FREQUENCY
R RESISTANCE (ELECTRICAL)
Σ SUMMATION
∨ HIGH SELECTING
∧ LOW SELECTING
EXAMPLE: I/H = CURRENT TO HYDRAULIC TRANSDUCER

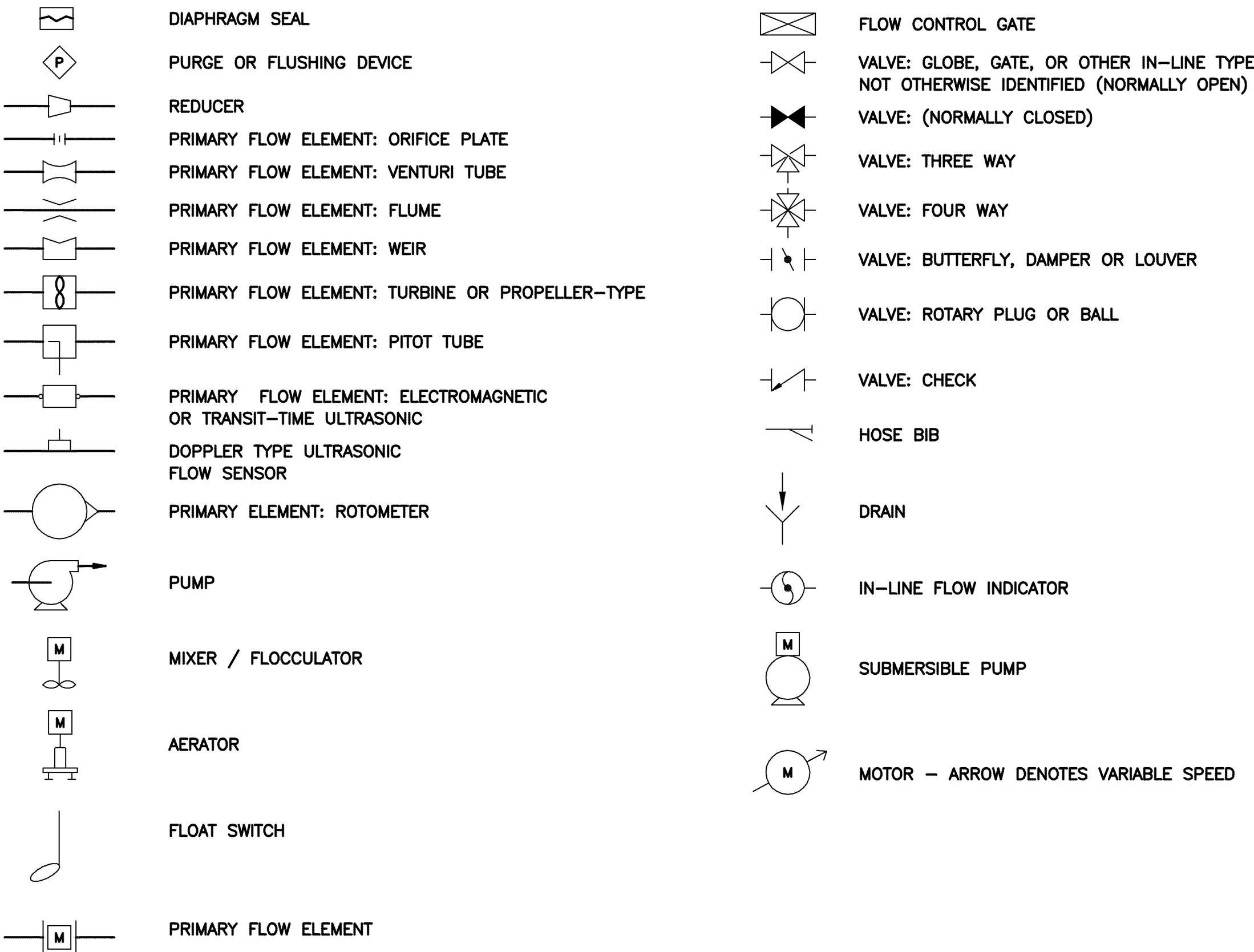
POWER SUPPLY ABBREVIATIONS

AS AIR SUPPLY
ES ELECTRIC SUPPLY
HS HYDRAULIC SUPPLY
WS WATER SUPPLY
AS POWER SUPPLY SOURCE LABEL
USED ONLY WHERE NECESSARY TO
HELP CLARIFY AN INSTRUMENT OR
SYSTEM FUNCTION.

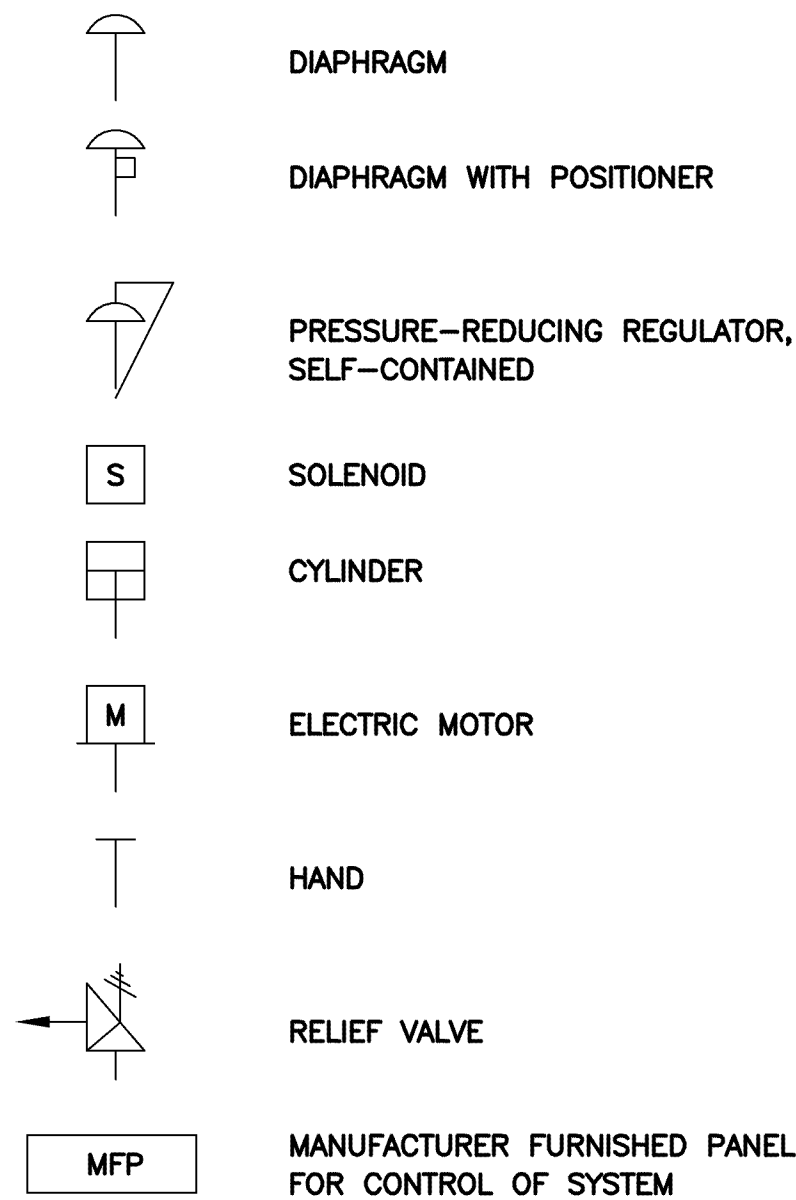
LINE SYMBOLS



PROCESS DEVICE SYMBOLS



VALVE AND GATE
ACTUATOR SYMBOLS



NOTE:

- THE P & ID SYMBOLS & DEVICE IDENTIFICATIONS ARE BASED ON INSTRUMENT SOCIETY OF AMERICA, STANDARD PRACTICE ISA-SS.1 (1986). SOME MODIFICATIONS, ADDITIONS, AND ALTERATIONS HAVE BEEN MADE AS NEEDED TO ACCOMMODATE THE PROJECT REQUIREMENTS.
- ADDITIONAL CONTROL & INTERLOCK REQUIREMENTS WHICH CAN BE MORE CLEARLY ILLUSTRATED ON SCHEMATIC DRAWINGS HAVE BEEN OMITTED FROM THE P & ID DRAWINGS. SOME PROCESS ITEMS, SUCH AS EQUIPMENT ISOLATION VALVES, BYPASS LINES, ETC., WHICH ARE NOT CRITICAL FOR AN UNDERSTANDING OF THE INSTRUMENTATION FUNCTIONS HAVE ALSO BEEN OMITTED.
- THIS IS A GENERAL LEGEND DRAWING. SOME SYMBOLS & ABBREVIATIONS MAY NOT BE UTILIZED ON THIS SPECIFIC PROJECT.

NO.	DATE	DESCRIPTION	BY
INSTRUMENTATION LEGEND			
JAMES STREET WATER TREATMENT REHABILITATION CITY OF HATTIESBURG FORREST COUNTY, MISSISSIPPI			
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ADVERTISEMENT FOR BIDS:

NOTICE is hereby given that the City Clerk of the City of Hattiesburg, Mississippi, will receive sealed bids until **10:00 a.m.** on **December 18, 2014** in the City Clerk's Office in the City Hall of said City for furnishing the City's requirements for the following:

**JAMES STREET WATER TREATMENT PLANT REHABILITATION PHASE III
HATTIESBURG, MISSISSIPPI**

Plans, Specifications and proposal forms may be obtained from Shows, Dearman & Waits, Inc., 301 Second Avenue, Hattiesburg, Mississippi, 39401, upon deposit of \$100.00, non-refundable. All bids must be accompanied by bid security equal to 5% of the amount of the bid, in the form of a certified check, cashier's check or a bid bond written by a company properly licensed in Mississippi.

Each BID must be received in a sealed envelope which is marked in the lower left-hand corner EXACTLY as follows:

BID:

**JAMES STREET WATER TREATMENT PLANT REHABILITATION PHASE III
HATTIESBURG, MISSISSIPPI**

No bid may be withdrawn for a period of sixty (60) days. The lowest and best proposal received will be accepted, subject to the provisions of Section 31-7-13 of the Mississippi Code of 1972, Annotated and Amended, and other applicable State law; but the Council reserves the right to reject any or all proposals received and to waive informalities.

PUBLISHED by Order of the Council on the 4th day of November A.D., 2014.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____
Sharon Waits, Deputy City Clerk

Publish on 11/13/2014 and 11/20/2014
City of Hattiesburg
Return PROOF to City Clerk's Office
PO Box 1898
Hattiesburg, MS 39403-1898



City of Hattiesburg, MS

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

Master

File Number: 2014-1474

File ID: 2014-1474

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/27/2014

Brief Title: Jackie Dole Sherrill Community Center Foundation
Repair Specifications

Final Action:

Minute Book Number: MB2014-333

Title:

Approve Plans and Specifications for Jackie Dole Sherrill Community
Center Foundation Repair, and Authorize Advertisement for Bid for Same.

Notes:

Sponsors:

Enactment Date:

Attachments: JDSCC Foundation Bid Specs, JDCC Signed
Foundation Drawings

Enactment Number:

Contact:

Meeting Date: 11/04/2014

Drafter: Ann Jones

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014					

Text of Legislative File 2014-1474

Title

Approve Plans and Specifications for Jackie Dole Sherrill Community Center Foundation
Repair, and Authorize Advertisement for Bid for Same.

Summary

Authorization for Advertisement

Budget Information

077650.7150.19

Expenditure Type

Capital Budgeted Item

Purchasing Item

Sealed Bid

Publication Information

November 9, 2014

November 16, 2014

*CONTRACT DOCUMENTS AND TECHNICAL
SPECIFICATIONS*

FOR

**FOUNDATION REPAIR
JACKIE DOLE SHERRILL
COMMUNITY CENTER**

FOR THE

**CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI
FORREST COUNTY**



JUNE 2014

PREPARED BY



NEEL-SCHAFER
Solutions you can build upon

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FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
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, December 11, 2014 for supplying all labor, equipment, and materials necessary for the construction of the above referenced project. Work consists of foundation repair at the Jackie Dole Sherrill Community Center.

The above general outline 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.

The Contract Time shall be **90 calendar days** and confirmed in the Notice to Proceed. Liquidated damages will be assessed in the amount of **five hundred dollars (\$500.00) per day** for each consecutive calendar day 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/her classification as to the value and type of construction on which he/she is authorized to bid.

Each Bidder shall write his/her 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 designated herein. No bidder may withdraw his/her bid within 90 days after the actual date of the opening thereof.

Each Bidder must submit with his/her 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/her 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 may be procured at the office of Neel-Schaffer, Inc. located at:

704 Hardy St., Hattiesburg, Mississippi 39401

Such documents may be obtained between the hours of 8:00 A.M. and 5:00 P.M., Local Time, Monday through Friday, upon payment of \$100.00 for each set, which will not be refunded. Checks are to be made payable to Neel-Schaffer, Inc.

The Owner hereby notifies all Bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged and women's business enterprises will be afforded the full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

The Engineer is Neel-Schaffer, Inc., 125 S. Congress St., Ste. 1100, Jackson, Mississippi 39201; Phone No. (601) 948-3071, Fax No. (601)-948-3178.

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:

November 9, 2014
November 16, 2014

INSTRUCTIONS TO BIDDERS
FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
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, 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: FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
CITY OF HATTIESBURG, MISSISSIPPI**

BY _____
(BIDDER'S NAME)

CERTIFICATE OF RESPONSIBILITY 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/her classification as to the value and the type of construction on which he/she 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 Documents contain the provisions required for the construction of the Project. Information obtained from any source other than thru an Addendum 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 the Contract. Insofar as possible, the Contractor, in carrying out his work, shall 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 the 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 the Contract and for the payment of all persons performing labor on the Project under the Contract and furnishing materials in connection with the 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 Bidder's Proposal; (2) the Bidder's 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 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 available manpower such that he can perform the work according to a reasonable schedule acceptable to the Owner; (5) is in good standing with the Owner; and (6) such other factors as may be considered under State law, Federal law or other applicable 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/her Bid. Submission of Bid shall be accepted as prima facie evidence that Bidder has inspected the site and is familiar with the Contract Documents.

20. SUBSURFACE DATA (Not Used)

21. EXECUTION OF CONTRACT

If the successful Bidder is a corporation, the officer who signs the Contract shall furnish copies of the resolution of the Directors of the corporation authorizing him to sign the contract. Such resolution should bear the seal of the corporation.

Subject to the applicable provisions of law, the Contract shall be in full force and effect only from and after the date when a fully executed and approved counterpart thereof has been rendered or delivered, or both, to the Contractor or his duly authorized agent or representative. Deposit of said counterpart in the United States mail in an envelope or wrapper properly addressed shall constitute compliance with these provisions by the Owner.

22. INTERCHANGEABLE TERMS

The terms "Bid" and "Proposal" wherever they are used in the Contract Documents are interchangeable and have the same meaning. The terms "Contract" and "Agreement", are interchangeable and have the same meaning. The terms "Contract Drawings" and "Plans", are interchangeable and have the same meaning.

23. QUALIFICATIONS OF BIDDER, OWNER'S RIGHTS

The Owner may make such investigation as it deems necessary to determine the ability of the Bidder to perform the work, and the Bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by or investigation of such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the Contract.

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 Article 6.05 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.

BIDDER'S PROPOSAL
FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
CITY OF HATTIESBURG, MISSISSIPPI

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BIDDER'S PROPOSAL
FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
CITY OF HATTIESBURG, MISSISSIPPI

DATE: _____, 20_____

PROPOSAL OF _____
(Name of Bidder)

(Address of Bidder)

for construction of the Foundation Repair at the Jackie Dole Sherrill Community Center.

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.

In accordance with the requirements of the Instructions to Bidders, Bid Forms, 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) proposal for the project:

00300-2

BASE BID

All labor, materials, equipment and other means as necessary to complete the
BASE BID as shown on the Contract Drawings and as specified:

_____ DOLLARS (\$_____)

ADDITIVE ALTERNATE

All labor, materials, equipment and other means as necessary to complete the
ADDITIVE ALTERNATE BID as shown on the Contract Drawings and as
specified:

_____ DOLLARS (\$_____)

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.

For five (5) percent of the Base Bid amount, I (We) enclose a Bid Bond or Certified Check for the amount of:
_____ DOLLARS (\$_____)

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

00300-3

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

**FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER**

CITY OF HATTIESBURG, MISSISSIPPI

(THIS AFFIDAVIT MUST BE EXECUTED FOR THE BID TO BE CONSIDERED)

STATE OF _____

COUNTY OF _____

_____ 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
FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
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
FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
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

FOUNDATION REPAIR
JACKIE DOLE COMMUNITY CENTER

CITY OF HATTIESBURG, MISSISSIPPI

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CONTRACT

**FOUNDATION REPAIR
JACKIE DOLE COMMUNITY CENTER**

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 "Foundation Repair – Jackie Dole Sherrill Community Center" 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 _____ Dollars (\$ _____) 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 _____ Dollars (\$_____).
 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 _____ Dollars (\$_____).
 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.

00500-9

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:

(Seal) (Principal) Secretary

By _____ Principal

(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: Foundation Repair
 Jackie Dole Sherrill Community Center
 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, Inc., 125 S. Congress St., Ste. 1100, Jackson, MS 39201.

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.

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.

William T. Myers, Jr., 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
FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
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. William T. (Bill) Myers, Jr., 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

**FOUNDATION REPAIR
JACKIE DOLE COMMUNITY CENTER**

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

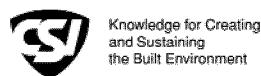
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The Associated General Contractors of America



Construction Specifications Institute

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1420 King Street, Alexandria, VA 22314

American Council of Engineering Companies
1015 15th Street, N.W., Washington, DC 20005

American Society of Civil Engineers
1801 Alexander Bell Drive, Reston, VA 20191-4400

These General Conditions have been prepared for use with the Suggested Forms of Agreement Between Owner and Contractor Nos. C-520 or C-525 (2002 Editions). Their provisions are interrelated and a change in one may necessitate a change in the other. Comments concerning their usage are contained in the EJCDC Construction Documents, General and Instructions (No. C-001) (2002 Edition). For guidance in the preparation of Supplementary Conditions, see Guide to the Preparation of Supplementary Conditions (No. C-800) (2002 Edition).

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GENERAL CONDITIONS

ARTICLE 1 - DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

A. Wherever used in the Bidding Requirements or Contract Documents and printed with initial capital letters, the terms listed below will have the meanings indicated which are applicable to both the singular and plural thereof. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.

1. *Addenda*--Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.

2. *Agreement*--The written instrument which is evidence of the agreement between Owner and Contractor covering the Work.

3. *Application for Payment*--The form acceptable to Engineer which is to be used by Contractor during the course of the Work in requesting progress or final payments and which is to be accompanied by such supporting documentation as is required by the Contract Documents.

4. *Asbestos*--Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.

5. *Bid*--The offer or proposal of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

6. *Bidder*--The individual or entity who submits a Bid directly to Owner.

7. *Bidding Documents*--The Bidding Requirements and the proposed Contract Documents (including all Addenda).

8. *Bidding Requirements*--The Advertisement or Invitation to Bid, Instructions to Bidders, bid security of acceptable form, if any, and the Bid Form with any supplements.

9. *Change Order*--A document recommended by Engineer which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, issued on or after the Effective Date of the Agreement.

10. *Claim*--A demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both, or other relief with respect to the terms of the Contract. A demand for money or services by a third party is not a Claim.

11. *Contract*--The entire and integrated written agreement between the Owner and Contractor concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral.

12. *Contract Documents*-- Those items so designated in the Agreement. Only printed or hard copies of the items listed in the Agreement are Contract Documents. Approved Shop Drawings, other Contractor's submittals, and the reports and drawings of subsurface and physical conditions are not Contract Documents.

13. *Contract Price*--The moneys payable by Owner to Contractor for completion of the Work in accordance with the Contract Documents as stated in the Agreement (subject to the provisions of Paragraph 11.03 in the case of Unit Price Work).

14. *Contract Times*--The number of days or the dates stated in the Agreement to: (i) achieve Milestones, if any, (ii) achieve Substantial Completion; and (iii) complete the Work so that it is ready for final payment as evidenced by Engineer's written recommendation of final payment.

15. *Contractor*--The individual or entity with whom Owner has entered into the Agreement.

16. *Cost of the Work*--See Paragraph 11.01.A for definition.

17. *Drawings*--That part of the Contract Documents prepared or approved by Engineer which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.

18. *Effective Date of the Agreement*--The date indicated in the Agreement on which it becomes effective, but if no such date is indicated, it means the date on which the Agreement is signed and delivered by the last of the two parties to sign and deliver.

19. *Engineer*--The individual or entity named as such in the Agreement.

20. *Field Order*--A written order issued by Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or the Contract Times.

21. *General Requirements*--Sections of Division 1 of the Specifications. The General Requirements pertain to all sections of the Specifications.

22. *Hazardous Environmental Condition*--The presence at the Site of Asbestos, PCBs, Petroleum, Hazardous Waste, or Radioactive Material in such quantities or circumstances that may present a substantial danger to persons or property exposed thereto in connection with the Work.

23. *Hazardous Waste*--The term Hazardous Waste shall have the meaning provided in Section 1004 of the Solid Waste Disposal Act (42 USC Section 6903) as amended from time to time.

24. *Laws and Regulations; Laws or Regulations*--Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.

25. *Liens*--Charges, security interests, or encumbrances upon Project funds, real property, or personal property.

26. *Milestone*--A principal event specified in the Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all the Work.

27. *Notice of Award*--The written notice by Owner to the Successful Bidder stating that upon timely compliance by the Successful Bidder with the conditions precedent listed therein, Owner will sign and deliver the Agreement.

28. *Notice to Proceed*--A written notice given by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work under the Contract Documents.

29. *Owner*--The individual or entity with whom Contractor has entered into the Agreement and for whom the Work is to be performed.

30. *PCBs*--Polychlorinated biphenyls.

31. *Petroleum*--Petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute), such as oil, petroleum, fuel oil, oil sludge, oil refuse, gasoline, kerosene, and oil mixed with other non-Hazardous Waste and crude oils.

32. *Progress Schedule*--A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising the Contractor's plan to accomplish the Work within the Contract Times.

33. *Project*--The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part.

34. *Project Manual*--The bound documentary information prepared for bidding and constructing the Work. A listing of the contents of the Project Manual, which may be bound in one or more volumes, is contained in the table(s) of contents.

35. *Radioactive Material*--Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954 (42 USC Section 2011 et seq.) as amended from time to time.

36. *Related Entity* -- An officer, director, partner, employee, agent, consultant, or subcontractor.

37. *Resident Project Representative*--The authorized representative of Engineer who may be assigned to the Site or any part thereof.

38. *Samples*--Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.

39. *Schedule of Submittals*--A schedule, prepared and maintained by Contractor, of required submittals and the time requirements to support scheduled performance of related construction activities.

40. *Schedule of Values*--A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

41. *Shop Drawings*--All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.

42. *Site*--Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements for access thereto, and such other lands furnished by Owner which are designated for the use of Contractor.

43. *Specifications*--That part of the Contract Documents consisting of written requirements for materials, equipment, systems, standards and workmanship as applied to the Work, and certain

administrative requirements and procedural matters applicable thereto.

44. *Subcontractor*--An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work at the Site.

45. *Substantial Completion*--The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Work refer to Substantial Completion thereof.

46. *Successful Bidder*--The Bidder submitting a responsive Bid to whom Owner makes an award.

47. *Supplementary Conditions*--That part of the Contract Documents which amends or supplements these General Conditions.

48. *Supplier*--A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or any Subcontractor.

49. *Underground Facilities*--All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.

50. *Unit Price Work*--Work to be paid for on the basis of unit prices.

51. *Work*--The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction, and furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.

52. *Work Change Directive*--A written statement to Contractor issued on or after the Effective Date of the Agreement and signed by Owner and recommended by Engineer ordering an addition, deletion, or revision in the Work, or responding to differing or unforeseen subsurface or physical conditions under which the Work is to be performed or to emergencies. A Work Change Directive will not change the Contract Price or the Contract Times

but is evidence that the parties expect that the change ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order following negotiations by the parties as to its effect, if any, on the Contract Price or Contract Times.

1.02 Terminology

A. The following words or terms are not defined but, when used in the Bidding Requirements or Contract Documents, have the following meaning.

B. Intent of Certain Terms or Adjectives

1. The Contract Documents include the terms "as allowed," "as approved," "as ordered", "as directed" or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives "reasonable," "suitable," "acceptable," "proper," "satisfactory," or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action or determination will be solely to evaluate, in general, the Work for compliance with the requirements of and information in the Contract Documents and conformance with the design concept of the completed Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of Paragraph 9.09 or any other provision of the Contract Documents.

C. Day

1. The word "day" means a calendar day of 24 hours measured from midnight to the next midnight.

D. Defective

1. The word "defective," when modifying the word "Work," refers to Work that is unsatisfactory, faulty, or deficient in that it:

- a. does not conform to the Contract Documents, or
- b. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents, or
- c. has been damaged prior to Engineer's - recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 14.04 or 14.05).

E. Furnish, Install, Perform, Provide

1. The word “furnish,” when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.

2. The word “install,” when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.

3. The words “perform” or “provide,” when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.

4. When “furnish,” “install,” “perform,” or “provide” is not used in connection with services, materials, or equipment in a context clearly requiring an obligation of Contractor, “provide” is implied.

F. Unless stated otherwise in the Contract Documents, words or phrases which have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2 - PRELIMINARY MATTERS

2.01 *Delivery of Bonds and Evidence of Insurance*

A. When Contractor delivers the executed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner such bonds as Contractor may be required to furnish.

B. *Evidence of Insurance:* Before any Work at the Site is started, Contractor and Owner shall each deliver to the other, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance which either of them or any additional insured may reasonably request) which Contractor and Owner respectively are required to purchase and maintain in accordance with Article 5.

2.02 *Copies of Documents*

A. Owner shall furnish to Contractor up to ten printed or hard copies of the Drawings and Project Manual. Additional copies will be furnished upon request at the cost of reproduction.

2.03 *Commencement of Contract Times; Notice to Proceed*

A. The Contract Times will commence to run on the thirtieth day after the Effective Date of the Agreement

or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Agreement. In no event will the Contract Times commence to run later than the sixtieth day after the day of Bid opening or the thirtieth day after the Effective Date of the Agreement, whichever date is earlier.

2.04 *Starting the Work*

A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work shall be done at the Site prior to the date on which the Contract Times commence to run.

2.05 *Before Starting Construction*

A. *Preliminary Schedules:* Within 10 days after the Effective Date of the Agreement (unless otherwise specified in the General Requirements), Contractor shall submit to Engineer for timely review:

1. a preliminary Progress Schedule; indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract Documents;

2. a preliminary Schedule of Submittals; and

3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

2.06 *Preconstruction Conference*

A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work and to discuss the schedules referred to in Paragraph 2.05.A, procedures for handling Shop Drawings and other submittals, processing Applications for Payment, and maintaining required records.

2.07 *Initial Acceptance of Schedules*

A. At least 10 days before submission of the first Application for Payment a conference attended by Contractor, Engineer, and others as appropriate will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with Paragraph 2.05.A. Contractor shall have an additional 10 days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer.

1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work nor interfere with or relieve Contractor from Contractor's full responsibility therefor.

2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.

3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to component parts of the Work.

ARTICLE 3 - CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

3.01 *Intent*

A. The Contract Documents are complementary; what is required by one is as binding as if required by all.

B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended result will be provided whether or not specifically called for at no additional cost to Owner.

C. Clarifications and interpretations of the Contract Documents shall be issued by Engineer as provided in Article 9.

3.02 *Reference Standards*

A. Standards, Specifications, Codes, Laws, and Regulations

1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard, specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Agreement if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.

2. No provision of any such standard, specification, manual or code, or any instruction of a Supplier shall be effective to change the duties or

responsibilities of Owner, Contractor, or Engineer, or any of their subcontractors, consultants, agents, or employees from those set forth in the Contract Documents. No such provision or instruction shall be effective to assign to Owner, or Engineer, or any of, their Related Entities, any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

3.03 *Reporting and Resolving Discrepancies*

A. Reporting Discrepancies

1. *Contractor's Review of Contract Documents Before Starting Work:* Before undertaking each part of the Work, Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures therein and all applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy which Contractor may discover and shall obtain a written interpretation or clarification from Engineer before proceeding with any Work affected thereby.

2. *Contractor's Review of Contract Documents During Performance of Work:* If, during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents or between the Contract Documents and any provision of any Law or Regulation applicable to the performance of the Work or of any standard, specification, manual or code, or of any instruction of any Supplier, Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 6.16.A) until an amendment or supplement to the Contract Documents has been issued by one of the methods indicated in Paragraph 3.04.

3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor knew or reasonably should have known thereof.

B. Resolving Discrepancies

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:

a. the provisions of any standard, specification, manual, code, or instruction (whether or not specifically incorporated by reference in the Contract Documents); or

b. the provisions of any Laws or Regulations applicable to the performance of the Work

(unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

3.04 *Amending and Supplementing Contract Documents*

A. The Contract Documents may be amended to provide for additions, deletions, and revisions in the Work or to modify the terms and conditions thereof by either a Change Order or a Work Change Directive.

B. The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work may be authorized, by one or more of the following ways:

1. A Field Order;

2. Engineer's approval of a Shop Drawing or Sample; (Subject to the provisions of Paragraph 6.17.D.3); or

3. Engineer's written interpretation or clarification.

3.05 *Reuse of Documents*

A. Contractor and any Subcontractor or Supplier or other individual or entity performing or furnishing all of the Work under a direct or indirect contract with Contractor, shall not:

1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or Engineer's consultants, including electronic media editions; or

2. reuse any of such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaption by Engineer.

B. The prohibition of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes.

3.06 *Electronic Data*

A. Copies of data furnished by Owner or Engineer to Contractor or Contractor to Owner or Engineer that may be relied upon are limited to the printed copies (also known as hard copies). Files in electronic media format of text, data, graphics, or other types are furnished only for the convenience of the receiving party. Any conclusion or information obtained or derived from such electronic files will be at the user's

sole risk. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

B. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within 60 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 60-day acceptance period will be corrected by the transferring party..

C. When transferring documents in electronic media format, the transferring party makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by the data's creator.

ARTICLE 4 - AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS; REFERENCE POINTS

4.01 *Availability of Lands*

A. Owner shall furnish the Site. Owner shall notify Contractor of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work. Owner will obtain in a timely manner and pay for easements for permanent structures or permanent changes in existing facilities. If Contractor and Owner are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of any delay in Owner's furnishing the Site or a part thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.

B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which the Work is to be performed and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.

C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

4.02 *Subsurface and Physical Conditions*

A. *Reports and Drawings:* The Supplementary Conditions identify:

1. those reports of explorations and tests of subsurface conditions at or contiguous to the Site that Engineer has used in preparing the Contract Documents; and

2. those drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) that Engineer has used in preparing the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their Related Entities with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions, or information.

4.03 *Differing Subsurface or Physical Conditions*

A. *Notice:* If Contractor believes that any subsurface or physical condition at or contiguous to the Site that is uncovered or revealed either:

1. is of such a nature as to establish that any "technical data" on which Contractor is entitled to rely as provided in Paragraph 4.02 is materially inaccurate; or

2. is of such a nature as to require a change in the Contract Documents; or

3. differs materially from that shown or indicated in the Contract Documents; or

4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except as aforesaid) until receipt of written order to do so.

B. *Engineer's Review:* After receipt of written notice as required by Paragraph 4.03.A, Engineer will promptly review the pertinent condition, determine the necessity of Owner's obtaining additional exploration or tests with respect thereto, and advise Owner in writing (with a copy to Contractor) of Engineer's findings and conclusions.

C. Possible Price and Times Adjustments

1. The Contract Price or the Contract Times, or both, will be equitably adjusted to the extent that the existence of such differing subsurface or physical condition causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

a. such condition must meet any one or more of the categories described in Paragraph 4.03.A; and

b. with respect to Work that is paid for on a Unit Price Basis, any adjustment in Contract Price will be subject to the provisions of Paragraphs 9.07 and 11.03.

2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if:

a. Contractor knew of the existence of such conditions at the time Contractor made a final commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract; or

b. the existence of such condition could reasonably have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such final commitment; or

c. Contractor failed to give the written notice as required by Paragraph 4.03.A.

3. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, a Claim may be made therefor as provided in Paragraph 10.05. However, Owner and Engineer, and any of their Related Entities shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

4.04 *Underground Facilities*

A. *Shown or Indicated:* The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:

1. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data; and

2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:

a. reviewing and checking all such information and data,

b. locating all Underground Facilities shown or indicated in the Contract Documents,

c. coordination of the Work with the owners of such Underground Facilities, including Owner, during construction, and

d. the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

B. *Not Shown or Indicated*

1. If an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents, Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer. Engineer will

promptly review the Underground Facility and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the consequences of the existence or location of the Underground Facility. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

2. If Engineer concludes that a change in the Contract Documents is required, a Work Change Directive or a Change Order will be issued to reflect and document such consequences. An equitable adjustment shall be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the existence or location of any Underground Facility that was not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment in Contract Price or Contract Times, Owner or Contractor may make a Claim therefor as provided in Paragraph 10.05.

4.05 *Reference Points*

A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.06 *Hazardous Environmental Condition at Site*

A. *Reports and Drawings:* Reference is made to the Supplementary Conditions for the identification of those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that have been utilized by the Engineer in the preparation of the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their Related Entities with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions or information.

C. Contractor shall not be responsible for any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work. Contractor shall be responsible for a Hazardous Environmental Condition created with any materials brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible.

D. If Contractor encounters a Hazardous Environmental Condition or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 6.16.A); and (iii) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any.

E. Contractor shall not be required to resume Work in connection with such condition or in any affected area until after Owner has obtained any required permits related thereto and delivered to Contractor written notice: (i) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work; or (ii) specifying any special conditions under which such Work may be resumed safely. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, either party may make a Claim therefor as provided in Paragraph 10.05.

F. If after receipt of such written notice Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work. If Owner and Contractor cannot agree as to

entitlement to or on the amount or extent, if any, of an adjustment in Contract Price or Contract Times as a result of deleting such portion of the Work, then either party may make a Claim therefor as provided in Paragraph 10.05. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 7.

G. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition: (i) was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be included within the scope of the Work, and (ii) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06. G shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

H. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06.H shall obligate Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

I. The provisions of Paragraphs 4.02, 4.03, and 4.04 do not apply to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 5 - BONDS AND INSURANCE

5.01 *Performance, Payment, and Other Bonds*

A. Contractor shall furnish performance and payment bonds, each in an amount at least equal to the Contract Price as security for the faithful performance and payment of all of Contractor's obligations under the Contract Documents. These bonds shall remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified

in Paragraph 13.07, whichever is later, except as provided otherwise by Laws or Regulations or by the Contract Documents. Contractor shall also furnish such other bonds as are required by the Contract Documents.

B. All bonds shall be in the form prescribed by the Contract Documents except as provided otherwise by Laws or Regulations, and shall be executed by such sureties as are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. All bonds signed by an agent must be accompanied by a certified copy of the agent's authority to act.

C. If the surety on any bond furnished by Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of Paragraph 5.01.B, Contractor shall promptly notify Owner and Engineer and shall, within 20 days after the event giving rise to such notification, provide another bond and surety, both of which shall comply with the requirements of Paragraphs 5.01.B and 5.02.

5.02 *Licensed Sureties and Insurers*

A. All bonds and insurance required by the Contract Documents to be purchased and maintained by Owner or Contractor shall be obtained from surety or insurance companies that are duly licensed or authorized in the jurisdiction in which the Project is located to issue bonds or insurance policies for the limits and coverages so required. Such surety and insurance companies shall also meet such additional requirements and qualifications as may be provided in the Supplementary Conditions.

5.03 *Certificates of Insurance*

A. Contractor shall deliver to Owner, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Owner or any other additional insured) which Contractor is required to purchase and maintain.

B. Owner shall deliver to Contractor, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Contractor or any other additional insured) which Owner is required to purchase and maintain.

5.04 *Contractor's Liability Insurance*

A. Contractor shall purchase and maintain such liability and other insurance as is appropriate for the Work being performed and as will provide protection

from claims set forth below which may arise out of or result from Contractor's performance of the Work and Contractor's other obligations under the Contract Documents, whether it is to be performed by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable:

1. claims under workers' compensation, disability benefits, and other similar employee benefit acts;

2. claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees;

3. claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;

4. claims for damages insured by reasonably available personal injury liability coverage which are sustained:

a. by any person as a result of an offense directly or indirectly related to the employment of such person by Contractor, or

b. by any other person for any other reason;

5. claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom; and

6. claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.

B. The policies of insurance required by this Paragraph 5.04 shall:

1. with respect to insurance required by Paragraphs 5.04.A.3 through 5.04.A.6 inclusive, include as additional insured (subject to any customary exclusion regarding professional liability) Owner and Engineer, and any other individuals or entities identified in the Supplementary Conditions, all of whom shall be listed as additional insureds, and include coverage for the respective officers, directors, partners, employees, agents, consultants and subcontractors of each and any of all such additional insureds, and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby;

2. include at least the specific coverages and be written for not less than the limits of liability provided in the Supplementary Conditions or required by Laws or Regulations, whichever is greater;

3. include completed operations insurance;

4. include contractual liability insurance covering Contractor's indemnity obligations under Paragraphs 6.11 and 6.20;

5. contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured identified in the Supplementary Conditions to whom a certificate of insurance has been issued (and the certificates of insurance furnished by the Contractor pursuant to Paragraph 5.03 will so provide);

6. remain in effect at least until final payment and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work in accordance with Paragraph 13.07; and

7. with respect to completed operations insurance, and any insurance coverage written on a claims-made basis, remain in effect for at least two years after final payment.

a. Contractor shall furnish Owner and each other additional insured identified in the Supplementary Conditions, to whom a certificate of insurance has been issued, evidence satisfactory to Owner and any such additional insured of continuation of such insurance at final payment and one year thereafter.

5.05 *Owner's Liability Insurance*

A. In addition to the insurance required to be provided by Contractor under Paragraph 5.04, Owner, at Owner's option, may purchase and maintain at Owner's expense Owner's own liability insurance as will protect Owner against claims which may arise from operations under the Contract Documents.

5.06 *Property Insurance*

A. Unless otherwise provided in the Supplementary Conditions, Owner shall purchase and maintain property insurance upon the Work at the Site in the amount of the full replacement cost thereof (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). This insurance shall:

1. include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured;

2. be written on a Builder's Risk "all-risk" or open peril or special causes of loss policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, false work, and materials and equipment in transit, and shall insure against at least the following perils or causes of loss: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage, (other than caused by flood) and such other perils or causes of loss as may be specifically required by the Supplementary Conditions;

3. include expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects);

4. cover materials and equipment stored at the Site or at another location that was agreed to in writing by Owner prior to being incorporated in the Work, provided that such materials and equipment have been included in an Application for Payment recommended by Engineer;

5. allow for partial utilization of the Work by Owner;

6. include testing and startup; and

7. be maintained in effect until final payment is made unless otherwise agreed to in writing by Owner, Contractor, and Engineer with 30 days written notice to each other additional insured to whom a certificate of insurance has been issued.

B. Owner shall purchase and maintain such boiler and machinery insurance or additional property insurance as may be required by the Supplementary Conditions or Laws and Regulations which will include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured.

C. All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with Paragraph 5.06 will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured to whom a certificate of insurance has been issued and will contain waiver provisions in accordance with Paragraph 5.07.

D. Owner shall not be responsible for purchasing and maintaining any property insurance specified in this Paragraph 5.06 to protect the interests of Contractor, Subcontractors, or others in the Work to the extent of any

deductible amounts that are identified in the Supplementary Conditions. The risk of loss within such identified deductible amount will be borne by Contractor, Subcontractors, or others suffering any such loss, and if any of them wishes property insurance coverage within the limits of such amounts, each may purchase and maintain it at the purchaser's own expense.

E. If Contractor requests in writing that other special insurance be included in the property insurance policies provided under Paragraph 5.06, Owner shall, if possible, include such insurance, and the cost thereof will be charged to Contractor by appropriate Change Order. Prior to commencement of the Work at the Site, Owner shall in writing advise Contractor whether or not such other insurance has been procured by Owner.

5.07 *Waiver of Rights*

A. Owner and Contractor intend that all policies purchased in accordance with Paragraph 5.06 will protect Owner, Contractor, Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) in such policies and will provide primary coverage for all losses and damages caused by the perils or causes of loss covered thereby. All such policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any of the insureds or additional insureds thereunder. Owner and Contractor waive all rights against each other and their respective officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them for all losses and damages caused by, arising out of or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insured or additional insured (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) under such policies for losses and damages so caused. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by Owner as trustee or otherwise payable under any policy so issued.

B. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them for:

1. loss due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other perils whether or not insured by Owner; and

2. loss or damage to the completed Project or part thereof caused by, arising out of, or resulting from fire or other insured peril or cause of loss covered by any property insurance maintained on the completed Project or part thereof by Owner during partial utilization pursuant to Paragraph 14.05, after Substantial Completion pursuant to Paragraph 14.04, or after final payment pursuant to Paragraph 14.07.

C. Any insurance policy maintained by Owner covering any loss, damage or consequential loss referred to in Paragraph 5.07.B shall contain provisions to the effect that in the event of payment of any such loss, damage, or consequential loss, the insurers will have no rights of recovery against Contractor, Subcontractors, or Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them.

5.08 *Receipt and Application of Insurance Proceeds*

A. Any insured loss under the policies of insurance required by Paragraph 5.06 will be adjusted with Owner and made payable to Owner as fiduciary for the insureds, as their interests may appear, subject to the requirements of any applicable mortgage clause and of Paragraph 5.08.B. Owner shall deposit in a separate account any money so received and shall distribute it in accordance with such agreement as the parties in interest may reach. If no other special agreement is reached, the damaged Work shall be repaired or replaced, the moneys so received applied on account thereof, and the Work and the cost thereof covered by an appropriate Change Order.

B. Owner as fiduciary shall have power to adjust and settle any loss with the insurers unless one of the parties in interest shall object in writing within 15 days after the occurrence of loss to Owner's exercise of this power. If such objection be made, Owner as fiduciary shall make settlement with the insurers in accordance with such agreement as the parties in interest may reach. If no such agreement among the parties in interest is reached, Owner as fiduciary shall adjust and settle the loss with the insurers and, if required in writing by any party in interest, Owner as fiduciary shall give bond for the proper performance of such duties.

5.09 *Acceptance of Bonds and Insurance; Option to Replace*

A. If either Owner or Contractor has any objection to the coverage afforded by or other provisions of the bonds or insurance required to be purchased and maintained by the other party in accordance with Article 5 on the basis of non-conformance with the Contract

Documents, the objecting party shall so notify the other party in writing within 10 days after receipt of the certificates (or other evidence requested) required by Paragraph 2.01.B. Owner and Contractor shall each provide to the other such additional information in respect of insurance provided as the other may reasonably request. If either party does not purchase or maintain all of the bonds and insurance required of such party by the Contract Documents, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage. Without prejudice to any other right or remedy, the other party may elect to obtain equivalent bonds or insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and a Change Order shall be issued to adjust the Contract Price accordingly.

5.10 *Partial Utilization, Acknowledgment of Property Insurer*

A. If Owner finds it necessary to occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work as provided in Paragraph 14.05, no such use or occupancy shall commence before the insurers providing the property insurance pursuant to Paragraph 5.06 have acknowledged notice thereof and in writing effected any changes in coverage necessitated thereby. The insurers providing the property insurance shall consent by endorsement on the policy or policies, but the property insurance shall not be canceled or permitted to lapse on account of any such partial use or occupancy.

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

6.01 *Supervision and Superintendence*

A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction. Contractor shall not be responsible for the negligence of Owner or Engineer in the design or specification of a specific means, method, technique, sequence, or procedure of construction which is shown or indicated in and expressly required by the Contract Documents.

B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who shall not be replaced without written notice to Owner and Engineer except under extraordinary circumstances. The superintendent will be Contractor's representative at the Site and shall have authority to act on behalf of Contractor. All communications given to or

received from the superintendent shall be binding on Contractor.

6.02 *Labor; Working Hours*

A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the Site.

B. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed during regular working hours. Contractor will not permit the performance of Work on a Saturday, Sunday, or any legal holiday without Owner's written consent (which will not be unreasonably withheld) given after prior written notice to Engineer.

6.03 *Services, Materials, and Equipment*

A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start-up, and completion of the Work.

B. All materials and equipment incorporated into the Work shall be as specified or, if not specified, shall be of good quality and new, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications shall expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment.

C. All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

6.04 *Progress Schedule*

A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.07 as it may be adjusted from time to time as provided below.

1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.07) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times. Such adjustments will comply with any provisions of the General Requirements applicable thereto.

2. Proposed adjustments in the Progress Schedule that will change the Contract Times shall be submitted in accordance with the requirements of Article 12. Adjustments in Contract Times may only be made by a Change Order.

6.05 *Substitutes and "Or-Equals"*

A. Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or-equal" item or no substitution is permitted, other items of material or equipment or material or equipment of other Suppliers may be submitted to Engineer for review under the circumstances described below.

1. *"Or-Equal" Items:* If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements for approval of proposed substitute items. For the purposes of this Paragraph 6.05.A.1, a proposed item of material or equipment will be considered functionally equal to an item so named if:

a. in the exercise of reasonable judgment Engineer determines that:

1) it is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;

2) it will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole,

3) it has a proven record of performance and availability of responsive service; and

b. Contractor certifies that, if approved and incorporated into the Work:

1) there will be no increase in cost to the Owner or increase in Contract Times, and

2) it will conform substantially to the detailed requirements of the item named in the Contract Documents.

2. Substitute Items

a. If in Engineer's sole discretion an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item under Paragraph 6.05.A.1, it will be considered a proposed substitute item.

b. Contractor shall submit sufficient information as provided below to allow Engineer to determine that the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor.

c. The requirements for review by Engineer will be as set forth in Paragraph 6.05.A.2.d, as supplemented in the General Requirements and as Engineer may decide is appropriate under the circumstances.

d. Contractor shall make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application:

1) shall certify that the proposed substitute item will:

a) perform adequately the functions and achieve the results called for by the general design,

b) be similar in substance to that specified, and

c) be suited to the same use as that specified;

2) will state:

a) the extent, if any, to which the use of the proposed substitute item will prejudice Contractor's achievement of Substantial Completion on time;

b) whether or not use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item; and

c) whether or not incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty;

3) will identify:

a) all variations of the proposed substitute item from that specified, and

b) available engineering, sales, maintenance, repair, and replacement services;

4) and shall contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including costs of redesign and claims of other contractors affected by any resulting change,

B. Substitute Construction Methods or Procedures: If a specific means, method, technique, sequence, or procedure of construction is expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence, or procedure of construction approved by Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The requirements for review by Engineer will be similar to those provided in Paragraph 6.05.A.2.

C. Engineer's Evaluation: Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made pursuant to Paragraphs 6.05.A and 6.05.B. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No "or equal" or substitute will be ordered, installed or utilized until Engineer's review is complete, which will be evidenced by either a Change Order for a substitute or an approved Shop Drawing for an "or equal." Engineer will advise Contractor in writing of any negative determination.

D. Special Guarantee: Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.

E. Engineer's Cost Reimbursement: Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor pursuant to Paragraphs 6.05.A.2 and 6.05.B. Whether or not Engineer approves a substitute item so proposed or submitted by Contractor, Contractor shall reimburse Owner for the charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the charges of Engineer for making changes in the Contract

Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.

F. Contractor's Expense: Contractor shall provide all data in support of any proposed substitute or "or-equal" at Contractor's expense.

6.06 *Concerning Subcontractors, Suppliers, and Others*

A. Contractor shall not employ any Subcontractor, Supplier, or other individual or entity (including those acceptable to Owner as indicated in Paragraph 6.06.B), whether initially or as a replacement, against whom Owner may have reasonable objection. Contractor shall not be required to employ any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work against whom Contractor has reasonable objection.

B. If the Supplementary Conditions require the identity of certain Subcontractors, Suppliers, or other individuals or entities to be submitted to Owner in advance for acceptance by Owner by a specified date prior to the Effective Date of the Agreement, and if Contractor has submitted a list thereof in accordance with the Supplementary Conditions, Owner's acceptance (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Bidding Documents or the Contract Documents) of any such Subcontractor, Supplier, or other individual or entity so identified may be revoked on the basis of reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity, and the Contract Price will be adjusted by the difference in the cost occasioned by such replacement, and an appropriate Change Order will be issued. No acceptance by Owner of any such Subcontractor, Supplier, or other individual or entity, whether initially or as a replacement, shall constitute a waiver of any right of Owner or Engineer to reject defective Work.

C. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions. Nothing in the Contract Documents:

1. shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier or other individual or entity, nor

2. shall anything in the Contract Documents create any obligation on the part of Owner or Engineer to pay or to see to the payment of any moneys due any such Subcontractor, Supplier, or other individual

or entity except as may otherwise be required by Laws and Regulations.

D. Contractor shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work under a direct or indirect contract with Contractor.

E. Contractor shall require all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work to communicate with Engineer through Contractor.

F. The divisions and sections of the Specifications and the identifications of any Drawings shall not control Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.

G. All Work performed for Contractor by a Subcontractor or Supplier will be pursuant to an appropriate agreement between Contractor and the Subcontractor or Supplier which specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer. Whenever any such agreement is with a Subcontractor or Supplier who is listed as an additional insured on the property insurance provided in Paragraph 5.06, the agreement between the Contractor and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against Owner, Contractor, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) for all losses and damages caused by, arising out of, relating to, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, Contractor will obtain the same.

6.07 *Patent Fees and Royalties*

A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if to the actual knowledge of Owner or Engineer its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by Owner in the Contract Documents.

B. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

6.08 *Permits*

A. Unless otherwise provided in the Supplementary Conditions, Contractor shall obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of opening of Bids, or, if there are no Bids, on the Effective Date of the Agreement. Owner shall pay all charges of utility owners for connections for providing permanent service to the Work.

6.09 *Laws and Regulations*

A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.

B. If Contractor performs any Work knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work. However, it shall not be Contractor's primary responsibility to make certain that the Specifications and Drawings are in accordance with Laws and Regulations, but this shall not relieve Contractor of Contractor's obligations under Paragraph 3.03.

C. Changes in Laws or Regulations not known at the time of opening of Bids (or, on the Effective Date of the Agreement if there were no Bids) having an effect on the cost or time of performance of the Work shall be the subject of an adjustment in Contract Price or Contract Times. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

6.10 *Taxes*

A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

6.11 *Use of Site and Other Areas*

A. Limitation on Use of Site and Other Areas

1. Contractor shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the Site and other areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and other areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or of any adjacent land or areas resulting from the performance of the Work.

2. Should any claim be made by any such owner or occupant because of the performance of the Work, Contractor shall promptly settle with such other party by negotiation or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law.

3. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused by or based upon Contractor's performance of the Work.

B. Removal of Debris During Performance of the Work: During the progress of the Work Contractor shall keep the Site and other areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris shall conform to applicable Laws and Regulations.

C. Cleaning: Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.

D. Loading Structures: Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

6.12 *Record Documents*

A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, and written interpretations and clarifications in good order and annotated to show changes made during construction. These record documents together with all approved Samples and a counterpart of all approved Shop Drawings will be available to Engineer for reference. Upon completion of the Work, these record documents, Samples, and Shop Drawings will be delivered to Engineer for Owner.

6.13 *Safety and Protection*

A. Contractor shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

1. all persons on the Site or who may be affected by the Work;

2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and

3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.

B. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify owners of adjacent property and of Underground Facilities and other utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property.

C. All damage, injury, or loss to any property referred to in Paragraph 6.13.A.2 or 6.13.A.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor (except damage or loss attributable to the fault of Draw-

ings or Specifications or to the acts or omissions of Owner or Engineer or , or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).

D. Contractor's duties and responsibilities for safety and for protection of the Work shall continue until such time as all the Work is completed and Engineer has issued a notice to Owner and Contractor in accordance with Paragraph 14.07.B that the Work is acceptable (except as otherwise expressly provided in connection with Substantial Completion).

6.14 *Safety Representative*

A. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

6.15 *Hazard Communication Programs*

A. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

6.16 *Emergencies*

A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent threatened damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued.

6.17 *Shop Drawings and Samples*

A. Contractor shall submit Shop Drawings and Samples to Engineer for review and approval in accordance with the acceptable Schedule of Submittals (as required by Paragraph 2.07). Each submittal will be identified as Engineer may require.

1. Shop Drawings

a. Submit number of copies specified in the General Requirements.

b. Data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide and to enable Engineer to review the information for the limited purposes required by Paragraph 6.17.D.

2. *Samples*: Contractor shall also submit Samples to Engineer for review and approval in accordance with the acceptable schedule of Shop Drawings and Sample submittals.

a. Submit number of Samples specified in the Specifications.

b. Clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the submittal for the limited purposes required by Paragraph 6.17.D.

B. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals , any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

C. Submittal Procedures

1. Before submitting each Shop Drawing or Sample, Contractor shall have determined and verified:

a. all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto;

b. the suitability of all materials with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work;

c. all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto; and

d. shall also have reviewed and coordinated each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents.

2. Each submittal shall bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents

with respect to Contractor's review and approval of that submittal.

3. With each submittal, Contractor shall give Engineer specific written notice of any variations, that the Shop Drawing or Sample may have from the requirements of the Contract Documents. This notice shall be both a written communication separate from the Shop Drawing's or Sample Submittal; and, in addition, by a specific notation made on each Shop Drawing or Sample submitted to Engineer for review and approval of each such variation.

D. Engineer's Review

1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the Schedule of Submittals acceptable to Engineer. Engineer's review and approval will be only to determine if the items covered by the submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.

2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction (except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the Contract Documents) or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.

3. Engineer's review and approval shall not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 6.17.C.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer's review and approval shall not relieve Contractor from responsibility for complying with the requirements of Paragraph 6.17.C.1.

E. Resubmittal Procedures

1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.

6.18 Continuing the Work

A. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or

disagreements with Owner. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, except as permitted by Paragraph 15.04 or as Owner and Contractor may otherwise agree in writing.

6.19 Contractor's General Warranty and Guarantee

A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its Related Entities shall be entitled to rely on representation of Contractor's warranty and guarantee.

B. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:

1. abuse, modification, or improper maintenance or operation by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or

2. normal wear and tear under normal usage.

C. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:

1. observations by Engineer;

2. recommendation by Engineer or payment by Owner of any progress or final payment;

3. the issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;

4. use or occupancy of the Work or any part thereof by Owner;

5. any review and approval of a Shop Drawing or Sample submittal or the issuance of a notice of acceptability by Engineer;

6. any inspection, test, or approval by others; or

7. any correction of defective Work by Owner.

6.20 Indemnification

A. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or

arbitration or other dispute resolution costs) arising out of or relating to the performance of the Work, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work or anyone for whose acts any of them may be liable .

B. In any and all claims against Owner or Engineer or any of their respective consultants, agents, officers, directors, partners, or employees by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 6.20.A shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

C. The indemnification obligations of Contractor under Paragraph 6.20.A shall not extend to the liability of Engineer and Engineer's officers, directors, partners, employees, agents, consultants and subcontractors arising out of:

1. the preparation or approval of, or the failure to prepare or approve, maps, Drawings, opinions, reports, surveys, Change Orders, designs, or Specifications; or
2. giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage.

6.21 *Delegation of Professional Design Services*

A. Contractor will not be required to provide professional design services unless such services are specifically required by the Contract Documents for a portion of the Work or unless such services are required to carry out Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable law.

B. If professional design services or certifications by a design professional related to systems, materials or equipment are specifically required of Contractor by the Contract Documents, Owner and Engineer will specify all performance and design criteria that such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly licensed professional, whose signature and seal

shall appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to Engineer.

C. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals, provided Owner and Engineer have specified to Contractor all performance and design criteria that such services must satisfy.

D. Pursuant to this Paragraph 6.21, Engineer's review and approval of design calculations and design drawings will be only for the limited purpose of checking for conformance with performance and design criteria given and the design concept expressed in the Contract Documents. Engineer's review and approval of Shop Drawings and other submittals (except design calculations and design drawings) will be only for the purpose stated in Paragraph 6.17.D.1.

E. Contractor shall not be responsible for the adequacy of the performance or design criteria required by the Contract Documents.

ARTICLE 7 - OTHER WORK AT THE SITE

7.01 *Related Work at Site*

A. Owner may perform other work related to the Project at the Site with Owner's employees, or via other direct contracts therefor, or have other work performed by utility owners. If such other work is not noted in the Contract Documents, then:

1. written notice thereof will be given to Contractor prior to starting any such other work; and

2. if Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times that should be allowed as a result of such other work, a Claim may be made therefor as provided in Paragraph 10.05.

B. Contractor shall afford each other contractor who is a party to such a direct contract, each utility owner and Owner, if Owner is performing other work with Owner's employees, proper and safe access to the Site, a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work, and shall properly coordinate the Work with theirs. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and

properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering their work and will only cut or alter their work with the written consent of Engineer and the others whose work will be affected. The duties and responsibilities of Contractor under this Paragraph are for the benefit of such utility owners and other contractors to the extent that there are comparable provisions for the benefit of Contractor in said direct contracts between Owner and such utility owners and other contractors.

C. If the proper execution or results of any part of Contractor's Work depends upon work performed by others under this Article 7, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.

7.02 *Coordination*

A. If Owner intends to contract with others for the performance of other work on the Project at the Site, the following will be set forth in Supplementary Conditions:

1. the individual or entity who will have authority and responsibility for coordination of the activities among the various contractors will be identified;

2. the specific matters to be covered by such authority and responsibility will be itemized; and

3. the extent of such authority and responsibilities will be provided.

B. Unless otherwise provided in the Supplementary Conditions, Owner shall have sole authority and responsibility for such coordination.

7.03 *Legal Relationships*

A. Paragraphs 7.01.A and 7.02 are not applicable for utilities not under the control of Owner.

B. Each other direct contract of Owner under Paragraph 7.01.A shall provide that the other contractor is liable to Owner and Contractor for the reasonable direct delay and disruption costs incurred by Contractor as a result of the other contractor's actions or inactions.

C. Contractor shall be liable to Owner and any other contractor for the reasonable direct delay and disruption costs incurred by such other contractor as a result of Contractor's action or inactions.

ARTICLE 8 - OWNER'S RESPONSIBILITIES

8.01 *Communications to Contractor*

A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.

8.02 *Replacement of Engineer*

A. In case of termination of the employment of Engineer, Owner shall appoint an engineer to whom Contractor makes no reasonable objection, whose status under the Contract Documents shall be that of the former Engineer.

8.03 *Furnish Data*

A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

8.04 *Pay When Due*

A. Owner shall make payments to Contractor when they are due as provided in Paragraphs 14.02.C and 14.07.C.

8.05 *Lands and Easements; Reports and Tests*

A. Owner's duties in respect of providing lands and easements and providing engineering surveys to establish reference points are set forth in Paragraphs 4.01 and 4.05. Paragraph 4.02 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of subsurface conditions and drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site that have been utilized by Engineer in preparing the Contract Documents.

8.06 *Insurance*

A. Owner's responsibilities, if any, in respect to purchasing and maintaining liability and property insurance are set forth in Article 5.

8.07 *Change Orders*

A. Owner is obligated to execute Change Orders as indicated in Paragraph 10.03.

8.08 *Inspections, Tests, and Approvals*

A. Owner's responsibility in respect to certain inspections, tests, and approvals is set forth in Paragraph 13.03.B.

8.09 *Limitations on Owner's Responsibilities*

A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

8.10 *Undisclosed Hazardous Environmental Condition*

A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 4.06.

8.11 *Evidence of Financial Arrangements*

A. If and to the extent Owner has agreed to furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract Documents, Owner's responsibility in respect thereof will be as set forth in the Supplementary Conditions.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION

9.01 *Owner's Representative*

A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract Documents and will not be changed without written consent of Owner and Engineer.

9.02 *Visits to Site*

A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep

Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 9.09. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

9.03 *Project Representative*

A. If Owner and Engineer agree, Engineer will furnish a Resident Project Representative to assist Engineer in providing more extensive observation of the Work. The authority and responsibilities of any such Resident Project Representative and assistants will be as provided in the Supplementary Conditions, and limitations on the responsibilities thereof will be as provided in Paragraph 9.09. If Owner designates another representative or agent to represent Owner at the Site who is not Engineer's consultant, agent or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in the Supplementary Conditions.

9.04 *Authorized Variations in Work*

A. Engineer may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. These may be accomplished by a Field Order and will be binding on Owner and also on Contractor, who shall perform the Work involved promptly. If Owner or Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, or both, and the parties are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

9.05 *Rejecting Defective Work*

A. Engineer will have authority to reject Work which Engineer believes to be defective, or that Engineer believes will not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Engineer will also have authority to require special inspection or testing of the Work as provided in Paragraph 13.04, whether or not the Work is fabricated, installed, or completed.

9.06 *Shop Drawings, Change Orders and Payments*

A. In connection with Engineer's authority, and limitations thereof, as to Shop Drawings and Samples, see Paragraph 6.17.

B. In connection with Engineer's authority, and limitations thereof, as to design calculations and design drawings submitted in response to a delegation of professional design services, if any, see Paragraph 6.21.

C. In connection with Engineer's authority as to Change Orders, see Articles 10, 11, and 12.

D. In connection with Engineer's authority as to Applications for Payment, see Article 14.

9.07 *Determinations for Unit Price Work*

A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, subject to the provisions of Paragraph 10.05.

9.08 *Decisions on Requirements of Contract Documents and Acceptability of Work*

A. Engineer will be the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the Work thereunder. All matters in question and other matters between Owner and Contractor arising prior to the date final payment is due relating to the acceptability of the Work, and the interpretation of the requirements of the Contract Documents pertaining to the performance of the Work, will be referred initially to Engineer in writing within 30 days of the event giving rise to the question

B. Engineer will, with reasonable promptness, render a written decision on the issue referred. If Owner or Contractor believe that any such decision entitles them to an adjustment in the Contract Price or Contract Times or both, a Claim may be made under Paragraph 10.05. The date of Engineer's decision shall be the date of the event giving rise to the issues referenced for the purposes of Paragraph 10.05.B.

C. Engineer's written decision on the issue referred will be final and binding on Owner and Contractor, subject to the provisions of Paragraph 10.05.

D. When functioning as interpreter and judge under this Paragraph 9.08, Engineer will not show

partiality to Owner or Contractor and will not be liable in connection with any interpretation or decision rendered in good faith in such capacity.

9.09 *Limitations on Engineer's Authority and Responsibilities*

A. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract Documents nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.

B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.

D. Engineer's review of the final Application for Payment and accompanying documentation and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Paragraph 14.07.A will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals that the results certified indicate compliance with the Contract Documents.

E. The limitations upon authority and responsibility set forth in this Paragraph 9.09 shall also apply to, the Resident Project Representative, if any, and assistants, if any.

ARTICLE 10 - CHANGES IN THE WORK; CLAIMS

10.01 *Authorized Changes in the Work*

A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work by a Change Order, or a Work Change Directive. Upon receipt of any such document, Contractor shall

promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

B. If Owner and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of a Work Change Directive, a Claim may be made therefor as provided in Paragraph 10.05.

10.02 *Unauthorized Changes in the Work*

A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents as amended, modified, or supplemented as provided in Paragraph 3.04, except in the case of an emergency as provided in Paragraph 6.16 or in the case of uncovering Work as provided in Paragraph 13.04.B.

10.03 *Execution of Change Orders*

A. Owner and Contractor shall execute appropriate Change Orders recommended by Engineer covering:

1. changes in the Work which are: (i) ordered by Owner pursuant to Paragraph 10.01.A, (ii) required because of acceptance of defective Work under Paragraph 13.08.A or Owner's correction of defective Work under Paragraph 13.09, or (iii) agreed to by the parties;

2. changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive; and

3. changes in the Contract Price or Contract Times which embody the substance of any written decision rendered by Engineer pursuant to Paragraph 10.05; provided that, in lieu of executing any such Change Order, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable Laws and Regulations, but during any such appeal, Contractor shall carry on the Work and adhere to the Progress Schedule as provided in Paragraph 6.18.A.

10.04 *Notification to Surety*

A. If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times) is required by the provisions of any bond to be given to a surety, the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

10.05 *Claims*

A. *Engineer's Decision Required:* All Claims, except those waived pursuant to Paragraph 14.09, shall be referred to the Engineer for decision. A decision by Engineer shall be required as a condition precedent to any exercise by Owner or Contractor of any rights or remedies either may otherwise have under the Contract Documents or by Laws and Regulations in respect of such Claims.

B. *Notice:* Written notice stating the general nature of each Claim, shall be delivered by the claimant to Engineer and the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto. The responsibility to substantiate a Claim shall rest with the party making the Claim. Notice of the amount or extent of the Claim, with supporting data shall be delivered to the Engineer and the other party to the Contract within 60 days after the start of such event (unless Engineer allows additional time for claimant to submit additional or more accurate data in support of such Claim). A Claim for an adjustment in Contract Price shall be prepared in accordance with the provisions of Paragraph 12.01.B. A Claim for an adjustment in Contract Time shall be prepared in accordance with the provisions of Paragraph 12.02.B. Each Claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to Engineer and the claimant within 30 days after receipt of the claimant's last submittal (unless Engineer allows additional time).

C. *Engineer's Action:* Engineer will review each Claim and, within 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any, take one of the following actions in writing:

1. deny the Claim in whole or in part,

2. approve the Claim, or

3. notify the parties that the Engineer is unable to resolve the Claim if, in the Engineer's sole discretion, it would be inappropriate for the Engineer to do so. For purposes of further resolution of the Claim, such notice shall be deemed a denial.

D. In the event that Engineer does not take action on a Claim within said 30 days, the Claim shall be deemed denied.

E. Engineer's written action under Paragraph 10.05.C or denial pursuant to Paragraphs 10.05.C.3 or 10.05.D will be final and binding upon Owner and Contractor, unless Owner or Contractor invoke the dispute resolution procedure set forth in Article 16 within 30 days of such action or denial.

F. No Claim for an adjustment in Contract Price or Contract Times will be valid if not submitted in accordance with this Paragraph 10.05.

ARTICLE 11 - COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

11.01 *Cost of the Work*

A. *Costs Included:* The term Cost of the Work means the sum of all costs, except those excluded in Paragraph 11.01.B, necessarily incurred and paid by Contractor in the proper performance of the Work. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, the costs to be reimbursed to Contractor will be only those additional or incremental costs required because of the change in the Work or because of the event giving rise to the Claim. Except as otherwise may be agreed to in writing by Owner, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall include only the following items, and shall not include any of the costs itemized in Paragraph 11.01.B.

1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor. Such employees shall include, without limitation, superintendents, foremen, and other personnel employed full time at the Site. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits, which shall include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, shall be included in the above to the extent authorized by Owner.

2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts shall accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts shall accrue to Owner. All trade discounts, rebates and refunds and returns from sale of surplus materials and equipment shall accrue to Owner, and Contractor shall make provisions so that they may be obtained.

3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and

Contractor and shall deliver such bids to Owner, who will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee shall be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 11.01.

4. Costs of special consultants (including but not limited to Engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed for services specifically related to the Work.

5. Supplemental costs including the following:

a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.

b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, and hand tools not owned by the workers, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.

c. Rentals of all construction equipment and machinery, and the parts thereof whether rented from Contractor or others in accordance with rental agreements approved by Owner with the advice of Engineer, and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs shall be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the Work.

d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, imposed by Laws and Regulations.

e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.

f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work (except losses and damages within the deductible amounts of property insurance established in accordance with Paragraph 5.06.D), provided such losses and damages have

resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses shall be included in the Cost of the Work for the purpose of determining Contractor's fee.

g. The cost of utilities, fuel, and sanitary facilities at the Site.

h. Minor expenses such as telegrams, long distance telephone calls, telephone service at the Site, expresses, and similar petty cash items in connection with the Work.

i. The costs of premiums for all bonds and insurance Contractor is required by the Contract Documents to purchase and maintain.

B. Costs Excluded: The term Cost of the Work shall not include any of the following items:

1. Payroll costs and other compensation of Contractor's officers, executives, principals (of partnerships and sole proprietorships), general managers, safety managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 11.01.A.1 or specifically covered by Paragraph 11.01.A.4, all of which are to be considered administrative costs covered by the Contractor's fee.

2. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.

3. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.

4. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.

5. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraphs 11.01.A and 11.01.B.

C. Contractor's Fee: When all the Work is performed on the basis of cost-plus, Contractor's fee shall

be determined as set forth in the Agreement. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, Contractor's fee shall be determined as set forth in Paragraph 12.01.C.

D. Documentation: Whenever the Cost of the Work for any purpose is to be determined pursuant to Paragraphs 11.01.A and 11.01.B, Contractor will establish and maintain records thereof in accordance with generally accepted accounting practices and submit in a form acceptable to Engineer an itemized cost breakdown together with supporting data.

11.02 Allowances

A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.

B. Cash Allowances

1. Contractor agrees that:

a. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and

b. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment on account of any of the foregoing will be valid.

C. Contingency Allowance

1. Contractor agrees that a contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.

D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

11.03 Unit Price Work

A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.

B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by Contractor will be made by Engineer subject to the provisions of Paragraph 9.07.

C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.

D. Owner or Contractor may make a Claim for an adjustment in the Contract Price in accordance with Paragraph 10.05 if:

1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and

2. there is no corresponding adjustment with respect any other item of Work; and

3. Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or Owner believes that Owner is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease.

ARTICLE 12 - CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

12.01 *Change of Contract Price*

A. The Contract Price may only be changed by a Change Order. Any Claim for an adjustment in the Contract Price shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.

B. The value of any Work covered by a Change Order or of any Claim for an adjustment in the Contract Price will be determined as follows:

1. where the Work involved is covered by unit prices contained in the Contract Documents, by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 11.03); or

2. where the Work involved is not covered by unit prices contained in the Contract Documents, by a mutually agreed lump sum (which may include an

allowance for overhead and profit not necessarily in accordance with Paragraph 12.01.C.2); or

3. where the Work involved is not covered by unit prices contained in the Contract Documents and agreement to a lump sum is not reached under Paragraph 12.01.B.2, on the basis of the Cost of the Work (determined as provided in Paragraph 11.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 12.01.C).

C. *Contractor's Fee:* The Contractor's fee for overhead and profit shall be determined as follows:

1. a mutually acceptable fixed fee; or

2. if a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:

a. for costs incurred under Paragraphs 11.01.A.1 and 11.01.A.2, the Contractor's fee shall be 15 percent;

b. for costs incurred under Paragraph 11.01.A.3, the Contractor's fee shall be five percent;

c. where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraph 12.01.C.2.a is that the Subcontractor who actually performs the Work, at whatever tier, will be paid a fee of 15 percent of the costs incurred by such Subcontractor under Paragraphs 11.01.A.1 and 11.01.A.2 and that any higher tier Subcontractor and Contractor will each be paid a fee of five percent of the amount paid to the next lower tier Subcontractor;

d. no fee shall be payable on the basis of costs itemized under Paragraphs 11.01.A.4, 11.01.A.5, and 11.01.B;

e. the amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in cost will be the amount of the actual net decrease in cost plus a deduction in Contractor's fee by an amount equal to five percent of such net decrease; and

f. when both additions and credits are involved in any one change, the adjustment in Contractor's fee shall be computed on the basis of the net change in accordance with Paragraphs 12.01.C.2.a through 12.01.C.2.e, inclusive.

12.02 *Change of Contract Times*

A. The Contract Times may only be changed by a Change Order. Any Claim for an adjustment in the Contract Times shall be based on written notice submitted

by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.

B. Any adjustment of the Contract Times covered by a Change Order or any Claim for an adjustment in the Contract Times will be determined in accordance with the provisions of this Article 12.

12.03 *Delays*

A. Where Contractor is prevented from completing any part of the Work within the Contract Times due to delay beyond the control of Contractor, the Contract Times will be extended in an amount equal to the time lost due to such delay if a Claim is made therefor as provided in Paragraph 12.02.A. Delays beyond the control of Contractor shall include, but not be limited to, acts or neglect by Owner, acts or neglect of utility owners or other contractors performing other work as contemplated by Article 7, fires, floods, epidemics, abnormal weather conditions, or acts of God.

B. If Owner, Engineer, or other contractors or utility owners performing other work for Owner as contemplated by Article 7, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times, or both. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

C. If Contractor is delayed in the performance or progress of the Work by fire, flood, epidemic, abnormal weather conditions, acts of God, acts or failures to act of utility owners not under the control of Owner, or other causes not the fault of and beyond control of Owner and Contractor, then Contractor shall be entitled to an equitable adjustment in Contract Times, if such adjustment is essential to Contractor's ability to complete the Work within the Contract Times. Such an adjustment shall be Contractor's sole and exclusive remedy for the delays described in this Paragraph 12.03.C.

D. Owner, Engineer and the Related Entities of each of them shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of Engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

E. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delays within the control of Contractor. Delays attributable to and within the control of a Subcontractor or Supplier shall be deemed to be delays within the control of Contractor.

ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

13.01 *Notice of Defects*

A. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor. All defective Work may be rejected, corrected, or accepted as provided in this Article 13.

13.02 *Access to Work*

A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and governmental agencies with jurisdictional interests will have access to the Site and the Work at reasonable times for their observation, inspecting, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's Site safety procedures and programs so that they may comply therewith as applicable.

13.03 *Tests and Inspections*

A. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections, tests, or approvals and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.

B. Owner shall employ and pay for the services of an independent testing laboratory to perform all inspections, tests, or approvals required by the Contract Documents except:

1. for inspections, tests, or approvals covered by Paragraphs 13.03.C and 13.03.D below;

2. that costs incurred in connection with tests or inspections conducted pursuant to Paragraph 13.04.B shall be paid as provided in said Paragraph 13.04.C; and

3. as otherwise specifically provided in the Contract Documents.

C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.

D. Contractor shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required for Owner's and Engineer's acceptance of materials or equipment to

be incorporated in the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to Owner and Engineer.

E. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, it must, if requested by Engineer, be uncovered for observation.

F. Uncovering Work as provided in Paragraph 13.03.E shall be at Contractor's expense unless Contractor has given Engineer timely notice of Contractor's intention to cover the same and Engineer has not acted with reasonable promptness in response to such notice.

13.04 *Uncovering Work*

A. If any Work is covered contrary to the written request of Engineer, it must, if requested by Engineer, be uncovered for Engineer's observation and replaced at Contractor's expense.

B. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, furnishing all necessary labor, material, and equipment.

C. If it is found that the uncovered Work is defective, Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05.

D. If, the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.

13.05 *Owner May Stop the Work*

A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

13.06 *Correction or Removal of Defective Work*

A. Promptly after receipt of notice, Contractor shall correct all defective Work, whether or not fabricated, installed, or completed, or, if the Work has been rejected by Engineer, remove it from the Project and replace it with Work that is not defective. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or removal (including but not limited to all costs of repair or replacement of work of others).

B. When correcting defective Work under the terms of this Paragraph 13.06 or Paragraph 13.07, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.

13.07 *Correction Period*

A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents) or by any specific provision of the Contract Documents, any Work is found to be defective, or if the repair of any damages to the land or areas made available for Contractor's use by Owner or permitted by Laws and Regulations as contemplated in Paragraph 6.11.A is found to be defective, Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:

1. repair such defective land or areas; or
2. correct such defective Work; or
3. if the defective Work has been rejected by Owner, remove it from the Project and replace it with Work that is not defective, and
4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others or other land or areas resulting therefrom.

B. If Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others) will be paid by Contractor.

C. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications .

D. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this Paragraph 13.07, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

E. Contractor's obligations under this Paragraph 13.07 are in addition to any other obligation or warranty. The provisions of this Paragraph 13.07 shall not be construed as a substitute for or a waiver of the provisions of any applicable statute of limitation or repose.

13.08 *Acceptance of Defective Work*

A. If, instead of requiring correction or removal and replacement of defective Work, Owner (and, prior to Engineer's recommendation of final payment, Engineer) prefers to accept it, Owner may do so. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness) and the diminished value of the Work to the extent not otherwise paid by Contractor pursuant to this sentence. If any such acceptance occurs prior to Engineer's recommendation of final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work, and Owner shall be entitled to an appropriate decrease in the Contract Price, reflecting the diminished value of Work so accepted. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05. If the acceptance occurs after such recommendation, an appropriate amount will be paid by Contractor to Owner.

13.09 *Owner May Correct Defective Work*

A. If Contractor fails within a reasonable time after written notice from Engineer to correct defective Work or to remove and replace rejected Work as required by Engineer in accordance with Paragraph 13.06.A, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, Owner may, after seven days written notice to Contractor, correct or remedy any such deficiency.

B. In exercising the rights and remedies under this Paragraph 13.09, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, take possession of Contractor's tools, appliances, construction equipment and machinery at the Site, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this Paragraph.

C. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 13.09 will be charged against Contractor, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount of the adjustment, Owner may make a Claim therefor as provided in Paragraph 10.05. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.

D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 13.09.

ARTICLE 14 - PAYMENTS TO CONTRACTOR AND COMPLETION

14.01 *Schedule of Values*

A. The Schedule of Values established as provided in Paragraph 2.07.A will serve as the basis for progress

payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed.

14.02 *Progress Payments*

A. Applications for Payments

1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of all Liens and evidence that the materials and equipment are covered by appropriate property insurance or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.

2. Beginning with the second Application for Payment, each Application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior Applications for Payment.

3. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

B. Review of Applications

1. Engineer will, within 10 days after receipt of each Application for Payment, either indicate in writing a recommendation of payment and present the Application to Owner or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.

2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations on the Site of the executed Work as an experienced and qualified design professional and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:

a. the Work has progressed to the point indicated;

b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, to the results of any subsequent tests called for in the Contract Documents, to a final determination of quantities and classifications for Unit Price Work under Paragraph 9.07, and to any other qualifications stated in the recommendation); and

c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.

3. By recommending any such payment Engineer will not thereby be deemed to have represented that:

a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract Documents; or

b. that there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.

4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:

a. to supervise, direct, or control the Work, or

b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or

c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work, or

d. to make any examination to ascertain how or for what purposes Contractor has used the moneys paid on account of the Contract Price, or

e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.

5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 14.02.B.2. Engineer may also refuse to recommend any such payment or, because of subsequently discovered evidence or the results of subsequent

inspections or tests, revise or revoke any such payment recommendation previously made, to such extent as may be necessary in Engineer's opinion to protect Owner from loss because:

- a. the Work is defective, or completed Work has been damaged, requiring correction or replacement;
- b. the Contract Price has been reduced by Change Orders;
- c. Owner has been required to correct defective Work or complete Work in accordance with Paragraph 13.09; or
- d. Engineer has actual knowledge of the occurrence of any of the events enumerated in Paragraph 15.02.A.

C. Payment Becomes Due

1. Ten days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended will (subject to the provisions of Paragraph 14.02.D) become due, and when due will be paid by Owner to Contractor.

D. Reduction in Payment

1. Owner may refuse to make payment of the full amount recommended by Engineer because:

- a. claims have been made against Owner on account of Contractor's performance or furnishing of the Work;
- b. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens;
- c. there are other items entitling Owner to a set-off against the amount recommended; or
- d. Owner has actual knowledge of the occurrence of any of the events enumerated in Paragraphs 14.02.B.5.a through 14.02.B.5.c or Paragraph 15.02.A.

2. If Owner refuses to make payment of the full amount recommended by Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, when Contractor corrects to Owner's satisfaction the reasons for such action.

3. If it is subsequently determined that Owner's refusal of payment was not justified, the amount wrongfully withheld shall be treated as an amount due as determined by Paragraph 14.02.C.1.

14.03 Contractor's Warranty of Title

A. Contractor warrants and guarantees that title to all Work, materials, and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to Owner no later than the time of payment free and clear of all Liens.

14.04 Substantial Completion

A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete (except for items specifically listed by Contractor as incomplete) and request that Engineer issue a certificate of Substantial Completion.

B. Promptly after Contractor's notification, , Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.

C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a tentative certificate of Substantial Completion which shall fix the date of Substantial Completion. There shall be attached to the certificate a tentative list of items to be completed or corrected before final payment. Owner shall have seven days after receipt of the tentative certificate during which to make written objection to Engineer as to any provisions of the certificate or attached list. If, after considering such objections, Engineer concludes that the Work is not substantially complete, Engineer will within 14 days after submission of the tentative certificate to Owner notify Contractor in writing, stating the reasons therefor. If, after consideration of Owner's objections, Engineer considers the Work substantially complete, Engineer will within said 14 days execute and deliver to Owner and Contractor a definitive certificate of Substantial Completion (with a revised tentative list of items to be completed or corrected) reflecting such changes from the tentative certificate as Engineer believes justified after consideration of any objections from Owner.

D. At the time of delivery of the tentative certificate of Substantial Completion, Engineer will deliver to Owner and Contractor a written recommendation as to division of responsibilities pending final payment between Owner and Contractor with respect to security, operation, safety, and protection of the Work, maintenance, heat, utilities, insurance, and warranties and guarantees. Unless Owner and Contractor agree otherwise in writing and so inform Engineer in writing prior to Engineer's issuing the definitive certificate of Substantial

Completion, Engineer's aforesaid recommendation will be binding on Owner and Contractor until final payment.

E. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to complete or correct items on the tentative list.

14.05 *Partial Utilization*

A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions.

1. Owner at any time may request Contractor in writing to permit Owner to use or occupy any such part of the Work which Owner believes to be ready for its intended use and substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor will certify to Owner and Engineer that such part of the Work is substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

2. Contractor at any time may notify Owner and Engineer in writing that Contractor considers any such part of the Work ready for its intended use and substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 14.04 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.

4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 5.10 regarding property insurance.

14.06 *Final Inspection*

A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals

that the Work is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

14.07 *Final Payment*

A. Application for Payment

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance certificates of inspection, marked-up record documents (as provided in Paragraph 6.12), and other documents, Contractor may make application for final payment following the procedure for progress payments.

2. The final Application for Payment shall be accompanied (except as previously delivered) by:

a. all documentation called for in the Contract Documents, including but not limited to the evidence of insurance required by Paragraph 5.04.B.7;

b. consent of the surety, if any, to final payment;

c. a list of all Claims against Owner that Contractor believes are unsettled; and

d. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of or Liens filed in connection with the Work.

3. In lieu of the releases or waivers of Liens specified in Paragraph 14.07.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (i) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (ii) all payrolls, material and equipment bills, and other indebtedness connected with the Work for which Owner or Owner's property might in any way be responsible have been paid or otherwise satisfied. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien.

B. *Engineer's Review of Application and Acceptance*

1. If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations

under the Contract Documents have been fulfilled, Engineer will, within ten days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of payment and present the Application for Payment to Owner for payment. At the same time Engineer will also give written notice to Owner and Contractor that the Work is acceptable subject to the provisions of Paragraph 14.09. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.

C. Payment Becomes Due

1. Thirty days after the presentation to Owner of the Application for Payment and accompanying documentation, the amount recommended by Engineer, less any sum Owner is entitled to set off against Engineer's recommendation, including but not limited to liquidated damages, will become due and , will be paid by Owner to Contractor.

14.08 *Final Completion Delayed*

A. If, through no fault of Contractor, final completion of the Work is significantly delayed, and if Engineer so confirms, Owner shall, upon receipt of Contractor's final Application for Payment (for Work fully completed and accepted) and recommendation of Engineer, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by Owner for Work not fully completed or corrected is less than the retainage stipulated in the Agreement, and if bonds have been furnished as required in Paragraph 5.01, the written consent of the surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by Contractor to Engineer with the Application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

14.09 *Waiver of Claims*

A. The making and acceptance of final payment will constitute:

1. a waiver of all Claims by Owner against Contractor, except Claims arising from unsettled Liens, from defective Work appearing after final inspection pursuant to Paragraph 14.06, from failure to comply with the Contract Documents or the terms of any special guarantees specified therein, or from Contractor's continuing obligations under the Contract Documents; and

2. a waiver of all Claims by Contractor against Owner other than those previously made in accordance

with the requirements herein and expressly acknowledged by Owner in writing as still unsettled.

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

15.01 *Owner May Suspend Work*

A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by notice in writing to Contractor and Engineer which will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be granted an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension if Contractor makes a Claim therefor as provided in Paragraph 10.05.

15.02 *Owner May Terminate for Cause*

A. The occurrence of any one or more of the following events will justify termination for cause:

1. Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the Progress Schedule established under Paragraph 2.07 as adjusted from time to time pursuant to Paragraph 6.04);

2. Contractor's disregard of Laws or Regulations of any public body having jurisdiction;

3. Contractor's disregard of the authority of Engineer; or

4. Contractor's violation in any substantial way of any provisions of the Contract Documents.

B. If one or more of the events identified in Paragraph 15.02.A occur, Owner may, after giving Contractor (and surety) seven days written notice of its intent to terminate the services of Contractor:

1. exclude Contractor from the Site, and take possession of the Work and of all Contractor's tools, appliances, construction equipment, and machinery at the Site, and use the same to the full extent they could be used by Contractor (without liability to Contractor for trespass or conversion),

2. incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and

3. complete the Work as Owner may deem expedient.

C. If Owner proceeds as provided in Paragraph 15.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Owner arising out of or relating to completing the Work, such excess will be paid to Contractor. If such claims, costs, losses, and damages exceed such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this Paragraph Owner shall not be required to obtain the lowest price for the Work performed.

D. Notwithstanding Paragraphs 15.02.B and 15.02.C, Contractor's services will not be terminated if Contractor begins within seven days of receipt of notice of intent to terminate to correct its failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt of said notice.

E. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue. Any retention or payment of moneys due Contractor by Owner will not release Contractor from liability.

F. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 5.01.A, the termination procedures of that bond shall supersede the provisions of Paragraphs 15.02.B, and 15.02.C.

15.03 *Owner May Terminate For Convenience*

A. Upon seven days written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):

1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work;

2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses;

3. all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others; and

4. reasonable expenses directly attributable to termination.

B. Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

15.04 *Contractor May Stop Work or Terminate*

A. If, through no act or fault of Contractor, (i) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (ii) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (iii) Owner fails for 30 days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven days written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the Contract and recover from Owner payment on the same terms as provided in Paragraph 15.03.

B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, seven days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this Paragraph 15.04 are not intended to preclude Contractor from making a Claim under Paragraph 10.05 for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this Paragraph.

ARTICLE 16 - DISPUTE RESOLUTION

16.01 *Methods and Procedures*

A. Either Owner or Contractor may request mediation of any Claim submitted to Engineer for a decision under Paragraph 10.05 before such decision becomes final and binding. The mediation will be

governed by the Construction Industry Mediation Rules of the American Arbitration Association in effect as of the Effective Date of the Agreement. The request for mediation shall be submitted in writing to the American Arbitration Association and the other party to the Contract. Timely submission of the request shall stay the effect of Paragraph 10.05.E.

B. Owner and Contractor shall participate in the mediation process in good faith. The process shall be concluded within 60 days of filing of the request. The date of termination of the mediation shall be determined by application of the mediation rules referenced above.

C. If the Claim is not resolved by mediation, Engineer's action under Paragraph 10.05.C or a denial pursuant to Paragraphs 10.05.C.3 or 10.05.D shall become final and binding 30 days after termination of the mediation unless, within that time period, Owner or Contractor:

1. elects in writing to invoke any dispute resolution process provided for in the Supplementary Conditions, or

2. agrees with the other party to submit the Claim to another dispute resolution process, or

3. gives written notice to the other party of their intent to submit the Claim to a court of competent jurisdiction.

ARTICLE 17 - MISCELLANEOUS

17.01 *Giving Notice*

A. Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if:

1. delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or

2. delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

17.02 *Computation of Times*

A. When any period of time is referred to in the Contract Documents by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

17.03 *Cumulative Remedies*

A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract Documents. The provisions of this Paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

17.04 *Survival of Obligations*

A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion, and acceptance of the Work or termination or completion of the Contract or termination of the services of Contractor.

17.05 *Controlling Law*

A. This Contract is to be governed by the law of the state in which the Project is located.

17.06 *Headings*

A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

SUPPLEMENTARY CONDITIONS

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SUPPLEMENTARY CONDITIONS

1. Definitions

- A. The definition of "Technical Specifications" shall be the same as the definition for Specifications stated in Paragraph 1.01 under item number 43 of the General Conditions (of the EJCDC C-700).
- 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.

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- E. For construction contracts over \$250,000.00, the **CONTRACTOR** may, at his option, withdraw the 50 percent of the retainage after 50 percent of the work has been completed, as approved by the **ENGINEER**, provided retainage be withheld at 2.5 percent for the remainder of the project. Retainage will be withheld at a rate of 5 percent until final completion for construction contracts under \$250,000.00.

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 in accordance with the Advertisement for Bids.

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 at 220 West Front Street, Hattiesburg, MS.

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 use.

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 the Owner such that existing drainage, water service, electrical service and sewer service are maintained at all times.

1.05 CONSTRUCTION AREAS

- A. CONTRACTOR shall limit his use of the construction areas for Work and for storage, to allow for:

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1. Work by other contractors.
 2. OWNER 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 all existing facilities during the entire period of construction. 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 PLANS AND SPECIFICATIONS

- A. Specifications: The Technical Specifications consist of three parts: General, Products, and Execution. The General section contains general requirements which govern the work. The Products and Execution sections modify and supplement these by detailed requirements of the work and shall always govern whenever there appears to be a conflict.
- B. Intent:
1. All work called for in the Specifications applicable to the Contract but not shown on the Plans in their present form or vice versa shall be of like effect as if shown or mentioned in both. Work not specified in either the Plans or in the Specifications but involved in carrying out their intent or in the complete and proper execution of the work is required and shall be performed by the CONTRACTOR as though it were specifically delineated or described at the CONTRACTOR'S expense.
 2. The apparent silence of the Specifications as to any detail, or the apparent omission from them of a detailed description concerning any work to be done and materials to be furnished, shall be regarded as meaning that only the best general practice is to prevail and that only material and workmanship of the best quality is to be used, and interpretation of these Specifications shall be made upon that basis.
- C. Conflict between Drawings and Specifications. Where an obvious conflict exists between the Plans and Specifications, the ENGINEER shall decide which governs and the CONTRACTOR shall comply with the decision. Such decision shall not be grounds for additional payment to the CONTRACTOR, i.e., the CONTRACTOR shall include the price of the most expensive alternative in his bid.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1.01 Scope of Work

- A. Lump Sum Contract Basis: Payment of the lump sum established in the Bidding and Contract Documents for the Foundation Repair at the Jackie Dole Sherrill Community Center, shall be full compensation for furnishing and/or installing all labor, materials, equipment and incidentals required to complete the work as specified and indicated in the Contract Documents.
- B. Alternates: Payment of the lump sum established in the Bidding and Contract Documents for the old Shooting Range Slab at the Jackie Dole Sherrill Community Center, shall be full compensation for the demolition of the existing slab, and for furnishing and/or installing all labor, materials, equipment and incidentals required to complete the work as specified and indicated in the Contract Documents.
- C. Schedule of Values: The schedule of unit prices submitted in accordance with Section 01026 are subject to approval and acceptance by the OWNER. If acceptable, the unit prices will be used as the basis for adjustment of the Contract price in the event that the Scope of Work is expanded or reduced.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION (NOT USED)

**** END OF SECTION ****

SECTION 01026

SCHEDULE OF VALUES

PART 1 GENERAL

1.01 Requirements Included

The Schedule of Values is an itemized list that establishes the value or cost of each part of the work as defined in the Contract Documents. 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 shall be included in the schedule when approved by the ENGINEER.

1.02 Preparation

- A. The form for the Schedule of Values shall be a copy (or copies) of the EJCDC C-620 (2007 ed.), page 2.
- B. Schedule shall show breakdown of labor, materials, equipment and other costs used in preparation of the Bid.
- C. Costs shall be in sufficient detail to indicate separate amounts within each Section of the Specifications.
- D. CONTRACTOR may include items for bond, insurance, temporary facilities and job mobilization within the mobilization bid item.
- E. Schedule of Values shall be prepared on 8-1/2 inch by 11 inch white paper.
- F. Use Table of Contents of the Specifications as basis for Schedule format and identify each item with an Item Number and respective description. List sub-items of major products or systems as appropriate.
- G. Item Numbers shall be sequential from beginning to end, regardless of Section No.
- H. When requested by ENGINEER, support values with data that will substantiate their correctness.
- I. The sum of the individual Scheduled Values shown on the Schedule of Values must equal the total Contract Price.
- J. The manner in which overhead and profit are shown shall be supported by the ENGINEER.
- K. 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 for Payment typed with itemized values on form EJCDC C-620 (Contractor's Application For Payment).
- B. Provide detailed substantiating data on additional sheets, including paid invoices where applicable.
- C. Provide additional pages of the itemized values as needed.
- D. Complete all applicable items on Page 1 and all Columns (A-G) on Page 2.
- E. Applications for Payment that are incomplete will be returned to the Contractor.

1.03 Preparation of Application for Progress Payments

- A. Application Form:
 - 1. Fill in required information, including that for Change Orders executed prior to date of submittal of application.
 - 2. Fill in summary of dollar values to agree with respective totals indicated on continuation sheets.
 - 3. Execute certification with signature of a responsible officer of the CONTRACTOR.
- B. Continuation Sheets:
 - 1. Fill in total list of all scheduled component items of work, with item number and scheduled dollar value for each item.
 - 2. Fill in dollar value in each column for each scheduled line item when work has been performed or products stored. Round off values to the nearest dollar or as specified for Schedule of Values.
 - 3. List each Change Order executed prior to date of submission by Change Order Number and description.
 - 4. To receive payment for materials stored on site, submit copies of the original paid invoices with the application for payment.

1.04 Substantiating Data for Progress Payments

- A. Provide substantiating data containing suitable information for review of costs requested

with the applications for progress reports identifying:

1. The payment item to which the substantiating data applies.
 2. Application number and date.
 3. Detailed list of enclosures.
 4. For stored materials:
 - a. Item number and identification as shown on application.
 - b. Description of specific material and invoice of delivered material.
 - c. Consolidated inventory of stored materials showing:
 - (1) Materials received.
 - (2) Materials used.
 - d. Additional stored materials may not be claimed upon reaching 75% completion of the total project.
 - e. Stored Materials shall be inventoried jointly prior to each pay request.
- B. Submit one copy of data for each copy of application for payment.
- C. The CONTRACTOR is to maintain an updated set of record drawings in accordance with Section 01720. As a prerequisite for monthly progress payments, the CONTRACTOR is to exhibit the updated record drawings for review by the OWNER and the ENGINEER.

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 six (6) 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 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 FLOOR OPENINGS

All floor openings shall be adequately safeguarded by providing temporary barricades, caution signs, lights and other means to prevent accidents to persons and damage to property.

1.03 PROTECTION OF THE WORK AND THE EXISTING BUILDING

- 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 portions of the existing building not directly related to the work shall be protected in a suitable manner. Should any parts of the building become damaged during the work, all such damaged items 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 is responsible for the security of all equipment, material, tools, machinery, supplies and related items for the work.

1.04 UTILITIES

- A. Utilities for the purpose of these specifications shall be considered as including, but not limited to: pipelines, conduits, cables, transmission lines, gas lines, and appurtenances; storm drains and sanitary sewers; hvac and related mechanical items.
- B. The Contractor shall notify the Owner and 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.
- C. The Contractor shall assume full responsibility for the protection of all utilities, whether or not they are shown on the Drawings. The Contractor shall carefully support and protect all such utilities from damage of any kind. Any damage resulting from the Contractor's work shall be repaired by the Contractor at his/her expense..
- D. The Contractor(s) may use the on-site electrical, water & toilet facilities for project-related requirements without cost.
- E. The Owner reserves the right to discontinue providing such services at his/her discretion. If such services are discontinued, the Contractor shall provide such services at no additional cost to the Owner.

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. CONTRACTOR's Representative and Construction Superintendent.
 - 4. Subcontractor's representative and construction superintendent.
 - 5. Utility representatives as appropriate.
 - 6. 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.
 - 5. Procedures and processing of:

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- 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. Laboratory testing of material requirements.

1.03 Construction Progress Meetings

- A. At least one construction progress meeting will be held at approximately the mid-point of construction.
- B. Special construction progress meetings will be held as determined by the Owner or Engineer.
- C. The following are expected to be in attendance:
 1. OWNER Representative and other staff as appropriate.
 2. The ENGINEER.
 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.
 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.

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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 01340

SHOP DRAWINGS, PROJECT DATA, AND SAMPLES

PART 1 GENERAL

1.01 Requirements Included:

- A. The Contractor shall submit to the Engineer for review and exception, if any, such working drawings, shop drawings, test reports and data on materials and equipment (hereinafter in this article called data), and material samples (hereinafter in this article called samples) as are required for the proper control of work, including but not limited to those working drawings, shop drawings, data and samples for materials and equipment specified elsewhere in the Specifications and in the Contract Drawings.
- B. Within fifteen (15) calendar days after the Effective Date of the Agreement, the Contractor shall submit to the Engineer a complete list of preliminary data on items for which Shop Drawings are to be submitted. Included in this list shall be the names of all proposed manufacturers furnishing specified items. Review of this list by the Engineer shall in no way relieve the Contractor from submitting complete shop drawings, data, and samples in accordance with the Specifications. This procedure is required in order to expedite final review of Shop Drawings.
- C. The Contractor is to maintain an accurate updated submittal log and will bring this log to each scheduled progress meeting. This log should include the following items:
 - 1. Submittal Description and Number assigned.
 - 2. Date to Engineer.
 - 3. Date returned to Contractor (from Engineer).
 - 4. Status of Submittal (No exceptions taken, returned for confirmation or resubmittal, rejected).
 - 5. Date of Resubmittal and Return (as applicable).
 - 6. Date material released (for fabrication).
 - 7. Projected date of fabrication.
 - 8. Projected date of delivery to site.
 - 9. Status of O&M manuals submittal.

1.02 Contractor's Responsibility

- A. It is the duty of the Contractor to check all drawings, data and samples prepared by or for

him before submitting them to the Engineer for review. Each and every copy of the Drawings and data shall bear Contractor's stamp showing that they have been so checked. Shop drawings submitted to the Engineer without the Contractor's stamp or evidence that the Contractor has not performed the required review will be returned to the Contractor for conformance with this requirement. Shop drawings shall indicate any deviations in the submittal from requirements of the Contract Documents.

- B. Determine and verify:
 - 1. Field measurements.
 - 2. Field construction criteria.
 - 3. Catalog numbers and similar data.
 - 4. Conformance with Specifications and indicate all variances from the Specifications.
- C. The Contractor shall furnish the Engineer a schedule of Shop Drawing submittals fixing the respective dates for the submission of shop and working drawings, the beginning of manufacture, testing and installation of materials, supplies and equipment. This schedule shall indicate those that are critical to the progress schedule.
- D. The Contractor shall not begin any of the work covered by a drawing, data, or a sample returned for correction until a revision or correction thereof has been reviewed and returned to him by the Engineer with no exceptions taken.
- E. The Contractor shall submit to the Engineer all drawings and schedules sufficiently in advance of construction requirements to provide no less than twenty-one (21) calendar days for checking and appropriate action from the time the Engineer receives them.
- F. The Contractor shall submit five (5) copies of shop drawings and descriptive or product data submittal to complement shop drawings to the Engineer which will be retained for his use.
- G. The Contractor shall be responsible for and bear all cost of damages which may result from the ordering of any material or from proceeding with any part of work prior to the completion of the review by Engineer of the necessary shop drawings.
- H. The Contractor shall utilize a Sequential Numbering System for submittals (1-999). Resubmittals or confirming material shall be assigned a letter next to the submittal number, i.e. A= second submittal, B= third submittal, etc.
- I. Submittals shall include a certified statement of compliance to the requirements detailed in the specifications in addition to other submittal requirements. This certification shall be prepared by the manufacturer and not the local supplier. Validity of the authority and position of the person signing the certification shall be verified by a Notary Public. The statement of compliance shall address each point of conformance contained in the governing specifications with definite comments of either compliance or non-compliance. Statements of non-compliance with points of conformance shall be accompanied by a statement of justification as to the reason for non-conformance and why the non-complying feature is

considered to be either equal to or better than the specified feature. The Engineer will use the certified statement of compliance in his evaluation of the submittal rendering a judgment as to equality to the specified product and issuing a statement as to whether the product is acceptable for or rejected from incorporation into the work.

- J. When a manufacturer named in the controlling specification is chosen to supply a product and the details of manufacture, size, and installation are shown on this standard catalog cut sheets, the manufacturer may submit the certified statement of compliance as detailed above along with installation details specific to the work such as laying schedules, etc. as required, deleting the standardized catalog data.

1.03 Engineer's Review of Shop Drawings

- A. The Engineer's review of drawings, data and samples submitted by the Contractor will cover only general conformity to the Specifications, external connections, and dimensions which affect the installation.
- B. The review of drawings and schedules will be general, and shall not be construed:
1. as permitting any departure from the Contract requirements;
 2. as relieving the Contractor of responsibility for any errors, including details, dimensions, omissions and materials;
- C. If the drawings or schedules as submitted describe variations per subparagraph (1.04.D), and show a departure from the Contract requirements which Engineer finds to be in the best interest of the Owner and to be so minor as not to involve a change in Contract Price or Time, The Engineer may return the reviewed Drawings without noting any exception.
- D. When reviewed by the Engineer, each of the shop drawings will be identified as having received such review being so stamped and dated. Shop Drawings stamped "NOT APPROVED" and with required corrections shown will be returned to the Contractor for correction and resubmittal.
- E. 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.
- F. 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.
- G. 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.
- H. 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.

- I. No partial submittals will be reviewed. Submittals not complete will be returned to the Contractor, and will be considered "NOT APPROVED" until resubmitted.

1.04 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.

1.05 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.

1.06 Samples

- A. The Contractor shall furnish for the review of the Engineer samples required by the Contract Documents or requested by the Engineer. Samples shall be delivered to the Engineer as specified or directed and the Contractor shall prepay all shipping charges. Materials or equipment for which samples are required shall not be used in work until reviewed by the Engineer.
- B. Samples shall be of sufficient size and quantity to clearly illustrate:
 - 1. Functional characteristics of the product, with integrally related parts and attachment devices.
 - 2. Name of Contractor and Subcontractor
 - 3. Material or Equipment represented
 - 4. Place of Origin
 - 5. Name of Producer and Brand (if any).
 - 6. Location in Project

(Samples of finished materials shall have additional marking that will identify them

under the finished schedules.)

- C. The Contractor shall prepare a transmittal letter in triplicate for each shipment of samples containing the information required in subparagraph 1.06B above. He shall enclose a copy of this letter with the shipment and send a copy of this letter to the Engineer under separate cover and the remaining copy shall be for the Contractor's records. Review of a sample shall be only for the characteristics or use named and shall not be construed to change or modify any Contract requirements.
- D. Reviewed samples not destroyed in testing shall be sent to the Engineer or stored at the site of the work. Reviewed samples of the hardware in good condition will be marked for identification and may be used in the work. Materials and equipment incorporated in work shall match the reviewed samples. Samples which failed testing or were rejected will be returned to the Contractor at his expense, if so requested at time of submission.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 01600

MATERIAL AND EQUIPMENT

PART 1 GENERAL

1.01 REQUIREMENTS INCLUDED

Material and equipment incorporated into the Work shall:

- A. Conform to applicable specifications and standards.
- B. Comply with size, make, type, and quality specified to the greatest extent possible, detailing all aspects and providing explicit reasons for parameters not in compliance and specifically approved in writing by the Engineer.
- C. Manufactured and Fabricated Products:
 - 1. Design, fabricate, and assemble in accord with the best engineering and standard shop practices.
 - 2. Manufacture like parts of duplicate units to standard sizes and gauges, to be interchangeable.
 - 3. Two or more items of the same kind shall be produced, by the same manufacturer.
 - 4. Products shall be suitable for service conditions.
 - 5. Equipment capacities, sizes and dimensions shown or specified shall be adhered to unless variations are specifically approved in writing.
- D. Do not use material or equipment for any purpose other than that for which it is designed or is specified.

1.02 APPROVAL OF MATERIALS

- A. Only new materials and equipment shall be incorporated in the Work. All materials and equipment furnished by the Contractor shall be subject to the inspection and approval of the Engineer. No material shall be delivered to the Work without prior approval of the Engineer.
- B. The Contractor shall submit to the Engineer, data relating to materials and equipment he proposes to furnish for the work. Such data shall be in sufficient detail to enable the Engineer to identify the particular product along with references to the applicable section(s) of the specifications to form an opinion as to its conformity to the specifications. The data shall comply with Paragraph 1.06 of this Section.

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- 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.

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- 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.

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 30 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 demolished materials, waste, 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 and rake clean other surfaces of the grounds impacted by the work.
- 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 (as-built drawings):
 - 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 (with Engineer's review stamp).
- F. Construction photographs (electronic copies on dvd):
 - 1. Minimum 4 photos (2 @ N. wall, 2 @ S. wall) of floor framing repair (prior to wood flooring installation,
 - 2. Minimum 2 photos (1 @ N. wall, 1 @ S. wall) of finished wood flooring and base

trim,

3. Minimum 3 photos (1 @ N. door threshold, 1 @ S. door threshold, 1 @ W. door threshold)

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.
- C. At Contract close-out, deliver a copy of the as-built drawings to the Engineer.

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.

1.03 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.

1.04 WARRANTY SUBMITTAL REQUIREMENTS

- A. For all components of the work, unless stated otherwise in the specifications for each individual item of equipment, submit a written warranty from the manufacturer to replace promptly any component thereof which, in the sole opinion of the Engineer, has defects in design, workmanship, materials, or performance within a one (1) year period following the date of acceptance for operation (Substantial Completion) by the Owner. The manufacturer's warranty period shall be concurrent with the Contractor's for one (1) year, unless otherwise specified, commencing at the time of acceptance for operation (beneficial use) by the Owner and shall be read in conjunction with the Contractor's warranty which shall operate together to provide for replacement of defective components and restoration of proper operation. The Contractor shall be solely responsible for both warranties.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

*** * END OF SECTION * ***

SECTION 02280
SOIL TREATMENT

PART 1 – GENERAL

1.01 SUMMARY

- A. This Section includes subsurface treatment for termite protection.

1.02 QUALITY ASSURANCE

- A. Comply with manufacturer's instructions and recommendations for the work including preparation of substrate and application products.
- B. The pest control operator shall be licensed by the State of Mississippi, Mississippi Department of Agriculture and Commerce, Bureau of Plant Industry in accordance with regulations of governing authorities of application of soil treatment solution. The pest control operator shall have a minimum of 5 years experience and shall have completed termite treatment similar to that indicated for this project. The pest control applicator shall have a record of successful in-service performance. The company technician is to have a valid identification card for pest control. The company vehicle shall be clearly marked with the company name.
- C. Comply with Mississippi Regulations Governing Pest Control Operators in following the labels of the termiticide. All products used on the site are to be clearly labeled at all times.
- D. Use an insecticide (termiticide) chemical solution acceptable to the Division of Forest Research, Forest Service, USDA, and/or products registered with the Pesticide Regulation Section, Plant Pest Control Branch, Agricultural research Service USDA, under the Federal Insecticide and Rodenticide Act, for use a termite toxicant for which prolonged effectiveness may be anticipated. Insecticide (termiticide) chemical solution shall also be EPA registered and suitable for use under the conditions indicated.
- E. Comply with Environmental Protection Agency (EPA) requirements.

1.03 SUBMITTALS

- A. Submit treatments, manufacturer's technical data on all chemicals, dyes, additives, application products and application instructions, including EPA-Registered Label.

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- B. Submit certificates signed by manufacturers of termite control products certifying that treatments furnished comply with requirements.
 - C. Submit qualifications of company demonstrating capabilities and experience. Submit training and licensing for applicator performing work. Include lists of recently completed projects, sizes of projects, with project names and addresses, names and addresses of architects and owners and other related information.
 - D. After application of termiticide is completed, submit report for owner's record information, including the following:
 - 1. Date and time of application.
 - 2. Moisture content of soil before application.
 - 3. Weather conditions at time of application and immediately prior to and following application.
 - 4. Brand name and manufacturer of termiticide.
 - 5. Quantity of undiluted termiticide used.
 - 6. Dilutions, methods, volumes and rates of application used.
 - 7. Areas of application.
 - 8. Water source for application
 - 9. Submit a written copy of the Guarantee.
 - E. Project Conditions
 - 1. Do not apply soil treatment solution until excavating, filling and grading operations are completed, except as otherwise required in construction operations that would not be detrimental to the treatment.
 - 2. To insure penetration, do not apply soil treatment to frozen or excessively wet soils or during inclement weather. Do not apply soil treatment during rain or similar conditions. Comply with other handling and application instructions of the soil toxicant manufacturer.
 - F. Guarantee
 - 1. Furnish written guarantee in form and substance satisfactory to the Owner and the Architect certifying that the applied soil treatment will prevent the infestation of subterranean termites and, that if termite activity is discovered during the guarantee period, the Contractor will provide complete re-treatment and will repair any damage required for investigation or discovery. Provide guarantee for a period of five (5) years from date of substantial completion, signed by the Application Subcontractor and the Contractor. The Contractor shall repair all damage caused by subterranean termites within the guarantee period.

PART 2 – PRODUCTS

2.01 SOIL TREATMENT

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- A. Use an emulsible concentrate insecticide (termiticide) for dilution with water, specially formulated to prevent infestation by termites. Fuel oil will not be permitted as a diluting agent. Provide a working solution equal to one of the following chemical elements:
 - 1. Fipronil
 - 2. Cypermethrin
 - 3. Permethrin
 - 4. Imidacloprid
 - B. Other solutions may be used if submitted and approved by Architect/Engineer. Comply with the specifications herein and if acceptable to local and state governing authorities. Use only soil treatment solutions which are not injurious to planting.
 - C. Soil treatment solution shall contain dye in sufficient quantities so that treated area is obvious to the architect upon observation. Dye shall not be harmful to the environment.

PART 3 – EXECUTION

3.01 INSPECTION

- A. Applicator must examine the areas and conditions under which soil treatment for termite control is to be installed and notify the Contractor in writing of conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the Applicator.

3.02 APPLYING SOIL TREATMENT

- A. Mix soil treatment termiticide solution to a uniform consistency. Provide quantity required for application at the label volume and rate for the maximum specified concentration of termiticide, according to manufacturer's EPA-Registered Label, to the following so that a continuous horizontal and vertical termiticidal barrier or treated zone is established around and under building construction. Distribute the treatment evenly.
- B. Treat areas at the following rates:
 - 1. Under slab-on-grade, suspended slab, foundation footings and other similar structures, treat the soil before concrete slabs and footings are placed, at a minimum rate of 1 gallon per 10 square feet, and where substrate is gravel or coarse absorbent material, increase rate to 1 ½ gallons per 10 square feet, unless manufacturer's requirements differ.
 - 2. Foundations: Adjacent soil including soil along entire inside perimeter of foundation walls, along both sides of interior partition walls, around

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- plumbing pipes and electric or communications conduit penetrating slab, and around interior column footers, piers, and chimney bases; and along entire outside perimeter, from grade to bottom of footing, at a minimum rate of 2 gallons per 5 linear feet, unless manufacturer's requirements differ, avoid soil washout around footings.
3. Crawlspace: Soil under and adjacent to foundations as previously indicated. Treat adjacent areas including around entrance platform, porches, and equipment bases. Apply overall treatment only where attached concrete platform and porches are on fill or ground. Apply at a rate per manufacturer's requirements.
 4. Masonry: Treat all voids. Apply at a rate per manufacturer's requirements.
 5. Penetrations: at expansion joints, control joints, and areas where slabs will be penetrated, at a minimum rate of 2 gallons per 5 linear feet, unless manufacturer's requirements differ.
- C. Remove foreign matter which could decrease effectiveness of treatment on areas to be treated. Loosen, rake and level soil to be treated, except previously compacted areas under slabs, footings and foundations. Termiticide may be applied before placement of compacted fill under slabs, if recommended by termiticide manufacturer.
- D. Verify application volumes and rates where fill is soil or unwashed gravel, where fill is washed gravel or other coarse absorbent material, or where fill is absorbent soil or fill (sand, sand and gravel mix, etc.).
- E. Allow not less than 12 hours for drying after application, before beginning concrete placement or other construction activities.
- F. Protect termiticide solution dispersed in treated soils from being diluted until ground supported slabs are installed. Use a waterproof barrier according to EPA-Registered Label instructions.
- G. Post signs in the areas of application warning workers that soil poisoning has been applied. Remove signs when areas are covered by other construction.
- H. Reapply soil treatment solution to areas disturbed by subsequent excavation or other construction activities following application.
- I. Retreatments: Soil treatment sub-contractor shall perform an inspection at yearly intervals during the Guarantee period. If inspection identifies the presence of termites, retreat soil and similar areas.

END OF SECTION

SECTION 02316

HELICAL PILES

PART 1 - GENERAL

1.01 DESCRIPTION

- A. Contractor shall provide all labor, materials, equipment and incidentals as specified and as required to furnish and install the helical piles/helical pile system indicated on the Contract Documents.
- B. Contractor shall conduct necessary site investigation for suitable helical locations and coordinate such with the Engineer.
- C. Contractor shall perform the related demolition as required for installation of the helical piles.

1.02 RELATED SECTIONS

- A. Section 03300 – Cast-in-Place Concrete

1.03 QUALITY ASSURANCE

- A. The helical pier (pile) foundation system shall be installed by a contractor authorized by the helical pile system manufacturer. The contractor shall have satisfied the certification requirements relating to the technical aspects of the product and the ascribed installation techniques.
- B. All work as described herein shall be performed in accordance with all applicable safety codes in effect at the time of installation.
- C. The contractor shall employ a skilled, experienced work force which is familiar with the requirements and methods necessary for proper performance of the work as outlined in these specifications.

PART 2 - PRODUCTS

2.01 HELICAL PILE SYSTEM

- A. The lead sections with helices and extension sections shall be manufactured by Chance or as approved by the Engineer.
- B. All units shall conform to the material specifications as referenced in this Section.
- C. The number of helical piles shall be as indicated on the Drawings. Sizes of helices, and the shaft size of helical pier shall be as required to develop the capacities indicated on the Drawings.

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- D. Installation Units:
1. Installation units shall consist of rotary type torque motors with forward and reverse capabilities. These units shall be either electrically or hydraulically powered.
 2. These units shall be capable of developing the minimum torque as required.
 3. These units shall be capable of positioning the helical pier at the proper installation angle. This angle varies between 0 (vertical) to 10 degrees depending upon application and type of foundation termination specified.
 4. These units shall be in good working condition and capable of being operated in a safe manner.
- B. Installation Tooling:
1. Adapters approved by the Engineer shall be employed to safely connect the installation units to the helical piers and extensions.
 2. These adapters shall have torque capacity ratings at least equal to the minimum ultimate torque rating of the helical piers as required for the project.
 3. These adapters shall be securely connected to the helical pier during installation so as to prevent accidental separation.

2.02 HELIX BEARING PLATE

- A. SS5 - Hot rolled carbon steel sheet, strip, or plate per ASTM A572, or A1018, or A656 with minimum yield strength of 50 ksi. Plate thickness is 3/8".
- B. SS150 and SS175 - Hot rolled steel sheet, strip, or plate per ASTM A656 or A1018 with minimum yield strength of 80 ksi. Plate thickness is 3/8".
- C. 278 - Hot rolled steel sheet, strip, or plate per ASTM A36 or A572 with minimum yield strength of 36 ksi. Plate thickness is 3/8".
- D. Helix bearing plates are formed on matching metal dies to true helical shape.

2.03 HELICAL PILE SHAFT

- A. SS5 - Hot rolled Round-Cornered-Square (RCS) 1 1/2" solid steel shafts conforming to the general requirements of ASTM A29. Medium carbon steel grade with improved strength due to fine grain size.
1. Installation Torque Rating: 5,500 ft.-lbs.
 2. Minimum Ultimate Tension Strength: 70 kips (Criteria - Coupling Bolt)
 3. Minimum Ultimate Tension Strength: 55 kips (Criteria - Torque)
- B. SS150 (1 1/2" solid steel shaft), and SS175 (1 3/4" solid steel shaft) - Hot rolled Round-Cornered-Square (RCS) conforming to the general requirements of ASTM A29. High strength Low Alloy (HSLA), low to medium carbon steel grade with improved strength due to fine grain size.

SS Anchor Type	Torque Strength Rating, ft.-lb.	Minimum Ultimate Tension Strength, kips
SS150	7,000	70
SS175	10,000	100

- C. 278 - Structural steel tube or pipe, welded or seamless, in compliance with ASTM A500. Wall thickness is 0.203 inch (Schedule 40). Torque strength rating is 5,500 ft-lb. Minimum yield strength is 50 ksi. Minimum ultimate tension/compression strength is 60 kip.

2.04 COUPLING BOLTS

- A. SS5, SS150 - 3/4" diameter bolt per ASTM A320 Grade L7, Sy (min) = 105 ksi, Su (min) = 125 ksi.
- B. SS175 - 7/8" diameter bolt per ASTM A193 Grade B7, Sy (min) = 105 ksi, Su (min) = 125 ksi.
- C. 278 - 3/4" diameter bolt per SAE J429 Grade 5, Sy (min) = 92 ksi, Su (min) = 120 ksi.

2.05 EXTENSION SECTION COUPLINGS

- A. Shall be formed as integral part of the plain extension shaft material. For SS anchors, couplings shall be hot upset forged sockets.
- B. Shall be formed as integral part of the plain extension shaft material. For 278 material, couplings shall be hot upset expanded sockets.

2.06 FOUNDATION REPAIR BRACKETS

- A. Brackets are formed from steel that meets or exceeds the requirements of ASTM A36, and have a hot-dipped galvanized coating per ASTM A153.

2.07 WELDING

- A. All welding shall be in accordance with AWS D1.1, 2006 or later revision.
- B. All welders shall be certified to AWS D1.1 specifications.

2.08 FINISH

- A. All material shall be hot-dipped galvanized in accordance with ASTM A153 after fabrication.

PART 3 - EXECUTION

3.01 HELICAL PILE LOCATIONS

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- A. The contractor shall coordinate the location of, and avoid contacting all utilities (gas, electricity, water, telephone, TV, storm drainage, etc.).
 - B. Helical piers should be installed as shown on the Engineer's Drawings.
 - C. Alternate helical pier locations may be submitted to the Engineer for approval.
 - D. Torque Monitoring
 - 1. The torque being applied by the installing units shall be monitored throughout the installation process.
 - 2. Torque monitoring devices shall be either a part of the installing unit or an independent device in-line with the installing unit. Calibration data for either unit shall be available for review by the owner or owner's representative.
 - 3. Submit the torque-monitoring device (make & model to be used on this project) to the Engineer for record.
 - E. If underground obstructions are encountered during installation, the Dealer shall have the option of removing the obstruction if possible or relocating the helical pier. This latter option may require the relocation of adjacent helical piers.
 - F.

3.02 TERMINATION OF INSTALLATION

- A. The maximum installation torque shall at no time exceed the torque rating of the helical pier shaft as specified for the project.
- B. The minimum depth of installation shall be as shown on the Drawings. If the installer cannot achieve the depth shown on the Drawings, the Engineer shall be contacted before proceeding further.

3.03 INSTALLATION RECORDS

- A. Written installation records shall be maintained for each helical pier. These records shall include, but are not limited to the following:
 - 1. Project name and/or location
 - 2. Name of authorized Installer
 - 3. Name of Contractor's foreman or representative who witnessed the installation
 - 4. Date and time of installation of helical pier
 - 5. Location and reference number of helical pier
 - 6. Descriptions of lead section and extensions installed
 - 7. Overall depth of installation as referenced from bottom of grade beam or footing
 - 8. Torque readings for the last three (3) feet of installation if practical. In lieu of this requirement, the termination torque shall be recorded as a minimum
 - 9. Any other applicable information relating to the installation
- B. Submit a copy of the Installation Record to the Engineer.

****END OF SECTION****

SECTION 03200

CONCRETE REINFORCEMENT

PART 1 - GENERAL

1.01 SCOPE OF WORK

- A. Furnish all labor, materials, equipment and incidentals required and install all concrete reinforcement complete as shown on the Drawings and as specified herein.
- B. Furnish only all deformed steel reinforcement required to be entirely built into concrete masonry unit construction.

1.02 RELATED WORK

- A. Concrete Formwork is included in Section 03100.
- B. Cast-in-place Concrete is included in Section 03300.

1.03 SUBMITTALS

- A. Submit to the ENGINEER, in accordance with Section 01340, shop drawings and product data showing materials of construction and details of installation for:
 - 1. Reinforcing steel. Placement drawings shall conform to the recommendations of ACI 315. All reinforcement in a concrete placement shall be included on a single placement drawing or cross referenced to the pertinent main placement drawing. The main drawing shall include the additional reinforcement (around openings, at corners, etc) shown on the standard detail sheets. Bars to have special coatings and/or to be of special steel or special yield strength are to be clearly identified.
 - 2. Bar bending details. The bars shall be referenced to the same identification marks shown on the placement drawings. Bars to have special coatings and/or to be of special steel or special yield strength shall be clearly identified.
 - 3. Schedule of all placements to contain synthetic reinforcing fibers. The amount of fibers per cubic yard to be used for each of the placements shall be noted on the schedule. The name of the manufacturer of the fibers and the product data shall be included with the submittal.
- B. Submit Test Reports, in accordance with Section 01340, of each of the following items.
 - 1. Certified copy of mill test on each steel proposed for use showing the physical properties of the steel and the chemical analysis.
 - 2. Welder's certification. The certification shall be in accordance with AWS D1.4 when welding of reinforcement required.

1.04 REFERENCE STANDARDS

- A. American Society for Testing and Materials (ASTM)

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|-------------|---|
| ASTM A82 – | Standard Specification for Steel Wire, Plain, for Concrete Reinforcement. |
| ASTM A184 – | Standard Specification for Fabricated Deformed Steel Bar Mats for Concrete Reinforcement. |
| ASTM A185 – | Standard Specification for Steel Welded Wire Fabric, Plain, for Concrete Reinforcement. |
| ASTM A496 – | Standard Specification for Steel Wire, Deformed, for Concrete Reinforcement. |
| ASTM A497 – | Standard Specification for Steel Welded Wire Fabric, Deformed, for Concrete Reinforcement. |
| ASTM A615 – | Standard Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement. |
- B. American Concrete Institute (ACI)
1. ACI 301 – Standard Specification for Structural Concrete.
 2. ACI 315 – Details and Detailing of Concrete Reinforcement.
 3. ACI 318 – Building Code Requirements for Structural Concrete.
 4. ACI SP-66 – ACI Detailing Manual.
- C. Concrete Reinforcing Steel Institute (CRSI)
- Manual of Standard Practice.
- D. American Welding Society (AWS)
- AWS D1.4 – Structural Welding Code Reinforcing Steel.
- E. IBC – International Building Code (IBC) – see Contract Drawings for referenced edition.
- F. Where reference is made to one of the above standards, the revision as referenced in the IBC shall apply.

1.05 QUALITY ASSURANCE

Provide services of a manufacturer's representative, with at least 2 years experience in the use of the reinforcing fibers for a preconstruction meeting and assistance during the first placement of the material.

1.06 DELIVERY, HANDLING AND STORAGE

- A. Reinforcing steel shall be substantially free from mill scale, rust, dirt, grease, or other foreign matter.

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- B. Reinforcing steel shall be shipped and stored with bars of the same size and shape fastened in bundles with durable tags, marked in a legible manner with waterproof markings showing the same “mark” designations as those shown on the submitted Placing Drawings.
 - C. Reinforcing steel shall be stored off the ground, protected from moisture and kept free from dirt, oil, or other injurious contaminants.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Materials shall be new, of domestic manufacture and shall comply with the following material specifications.
- B. Deformed Concrete Reinforcing Bars: ASTM A615, Grade 60 deformed bars.
- C. Welded Steel Wire Fabric: ASTM A185. Provide in flat sheets.
- D. Welded Deformed Steel Wire Fabric: ASTM A497.
- E. Welded Plain Bar Mats: ASTM A704 and ASTM A615 Grade 60 plain bars.
- F. Fabricated Deformed Steel Bar Mats: ASTM A184 and ASTM A615 Grade 60 deformed bars.
- G. The following alternate materials are allowed:
 - ASTM A615 Grade 60 may be used for ASTM A706 provided the following requirements are satisfied:
 - a. The actual yield strength of the reinforcing steel based on mill tests shall not exceed the specified yield strength by more than 18,000 psi. Retests shall not exceed this value by more than an additional 3000 psi.
 - b. The ratio of the actual ultimate tensile strength to the actual tensile yield strength of the reinforcement shall not be less than 1.25.
 - c. The carbon equivalency (CE) of bars shall be 0.55 or less.
- H. Reinforcing Steel Accessories
 - 1. Plastic Protected Bar Supports: CRSI Bar Support Specifications, Class 1 – Maximum Protection.
 - 2. Stainless Steel Protected Bar Supports: CRSI Bar Support Specifications, Class 2 – Moderate Protection.
 - 3. Precast Concrete Block Bar Supports: CRSI Bar Support Specifications, Precast Blocks. Blocks shall have equal or greater strength than the surrounding concrete.
 - 4. Other bar supports shall be submitted to Engineer for approval.

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- I. Tie Wire: Tie Wires for Reinforcement shall be 16-gauge or heavier, black annealed wire.
 - J. Mechanical reinforcing steel butt splices shall be positive connecting taper threaded type employing a hexagonal coupler such as Lenton rebar splices as manufactured by Erico Products Inc., Solon, OH or equal. They shall meet all ACI 318 Building Code requirements. Bar ends must be taper threaded with coupler manufacturer's bar threader to ensure proper taper and thread engagement. Bar couplers shall be torqued to manufacturer's recommended value.
 - 1. Unless otherwise noted on the Drawings, mechanical tension splices shall be designed to produce a splice strength in tension or compression of not less than 125% of the ASTM specified minimum yield strength of the rebar.
 - 2. Compression type mechanical splices shall provide concentric bearing from one bar to the other bar and shall be capable of developing the ultimate strength of the rebar in compression.

K. Fiber Reinforcement

Synthetic reinforcing fiber for concrete shall be 100% polypropylene collated, fibrillated fibers as manufactured by Propex Concrete Systems Corp., or approved equal. Fiber length and quantity for the concrete mix shall be in strict compliance with the manufacturer's recommendations as approved by the ENGINEER.

2.02 FABRICATION

- A. Fabrication of reinforcement shall be in compliance with the CRSI Manual of Standard Practice.
- B. Bars shall be cold bent. Bars shall not be straightened or rebent.
- C. Bars shall be bent around a revolving collar having a diameter of not less than that recommended by the ACI 318.
- D. Bar ends that are to be butt spliced, placed through limited diameter holes in metal, or threaded, shall have the applicable end(s) saw-cut. Such ends shall terminate in flat surfaces within 1 ½° of a right angle to the axis of the bar.
- E. Spirals
 - 1. Provide a minimum of 1-1/2 finishing turns at the top and bottom.
 - 2. Splices shall be tension lap splices at least 48 bar diameters, but not less than 12 inches in length. Welded splices shall only be used where specifically approved by the ENGINEER.
 - 3. Provide spacers as recommended by the CRSI.

PART 3 - EXECUTION

3.01 INSTALLATION

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- A. Surface condition, bending, spacing and tolerances of placement of reinforcement shall comply with the CRSI Manual of Standard Practice. The CONTRACTOR shall be solely responsible for providing an adequate number of bars and maintaining the spacing and clearances shown on the Drawings.
 - B. Except as otherwise indicated on the Drawings, the minimum concrete cover of reinforcement shall be as follows:
 - 1. Concrete cast against and permanently exposed to earth: Three inches.
 - 2. Concrete exposed to soil, water, sewage, sludge and/or weather: Two inches. (including bottom cover of slabs over water or sewage)
 - 3. Concrete not exposed to soil, water, sewage, sludge and/or weather:
 - a. Slabs (top and bottom cover), walls, joists, shells and folded plate members – one inch.
 - b. Beams and columns (principal reinforcement, ties, spirals and stirrups) – 1 ½ inches.
 - C. Reinforcement which will be exposed for a considerable length of time after being placed shall be coated with a heavy coat of neat cement slurry.
 - D. No reinforcing steel bars shall be welded either during fabrication or erection unless specifically shown on the Drawings or specified herein, or unless prior written approval has been obtained from the ENGINEER. All bars that have been welded, including tack welds, without such approval shall be immediately removed from the work. When welding of reinforcement is approved or called for, it shall comply with AWS D1.4.
 - E. Reinforcing steel interfering with the location of other reinforcing steel, conduits or embedded items, may be moved within the specified tolerances or one bar diameter, whichever is greater. Greater displacement of bars to avoid interference, shall only be made with the approval of the ENGINEER. Do not cut reinforcement to install inserts, conduits, mechanical openings or other items without the prior approval of the ENGINEER.
 - F. Securely support and tie reinforcing steel to prevent movement during concrete placement. Secure dowels in place before placing concrete.
 - G. Reinforcing steel bars shall not be field bent except where shown on the Drawings or specifically authorized in writing by the ENGINEER. If authorized, bars shall be cold-bent around the standard diameter spool specified in the CRSI. Do not heat bars. Closely inspect the reinforcing steel for breaks. If the reinforcing steel is damaged, replace, Cadweld or otherwise repair as directed by the ENGINEER. Do not bend reinforcement after it is embedded in concrete unless specifically shown otherwise on the Drawings.

3.02 REINFORCEMENT AROUND OPENINGS

Unless specific additional reinforcement around openings is shown on the Drawings, provide additional reinforcing steel on each side of the opening equivalent to one half of the

cross-sectional area of the reinforcing steel interrupted by an opening. The bars shall have sufficient length to develop bond at each end beyond the opening or penetration.

3.03 SPLICING OF REINFORCEMENT

- A. Tension lap splices shall be provided at all laps in compliance with ACI 318. Splices in adjacent bars shall be staggered. Class B splices shall be used at all locations.
- B. Except as otherwise indicated on the Drawings, splices in circumferential reinforcement in circular walls shall be Class B tension splices and shall be staggered. Adjacent bars shall not be spliced within the required lap length.
- C. Install wire fabric in as long lengths as practicable. Wire fabric from rolls shall be rolled flat and firmly held in place. Splices in welded wire fabric shall be lapped in accordance with the requirements of ACI-318 but not less than 12 inches. The spliced fabrics shall be tied together with wire ties spaced not more than 24 inches on center and laced with wire of the same diameter as the welded wire fabric. Do not position laps midway between supporting beams, or directly over beams of continuous structures. Offset splices in adjacent widths to prevent continuous splices.
- D. Mechanical reinforcing steel splicers shall be used only where shown on the Drawings. Splices in adjacent bars shall be offset by at least 30 bar diameters. Mechanical reinforcing splices are only to be used for special splice and dowel conditions approved by the ENGINEER.

3.04 ACCESSORIES

- A. Determine, provide and install accessories such as chairs, chair bars and the like in sufficient quantities and strength to adequately support the reinforcement and prevent its displacement during the erection of the reinforcement and the placement of concrete.
- B. Use precast concrete blocks where the reinforcing steel is to be supported over soil.
- C. Stainless steel bar supports or steel chairs with stainless steel tips shall be used where the chairs are set on forms for a concrete surface that will be exposed to weather, high humidity, or liquid (including bottom of slabs over liquid containing areas). Use of galvanized or plastic tipped metal chairs is permissible in all other locations unless otherwise noted on the Drawings or specified herein.
- D. Alternate methods of supporting top steel in slabs, such as steel channels supported on the bottom steel or vertical reinforcing steel fastened to the bottom and top mats, may be used if approved by the ENGINEER.

3.05 INSPECTION

In no case shall any reinforcing steel be covered with concrete until the installation of the reinforcement, including the size, spacing and position of the reinforcement has been observed by the ENGINEER and the ENGINEER'S release to proceed with the concreting has been obtained. The ENGINEER shall be given ample prior notice of the readiness of placed reinforcement for

observation. The forms shall be kept open until the ENGINEER has finished his/her observations of the reinforcing steel.

END OF SECTION

SECTION 03300

CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.01 SCOPE OF WORK

Furnish all labor and materials required and install cast-in-place concrete complete as shown on the Contract Drawings and as specified herein.

1.02 RELATED WORK

- A. Concrete Formwork is included in Section 03100.
- B. Concrete Reinforcement is included in Section 03200.
- C. Anchor Bolts Expansion Anchors and Concrete Inserts – Section 03225..

1.03 SUBMITTALS

- A. Submit to the ENGINEER, in accordance with Section 01340, shop drawings and product data including the following:
 - 1. Sources of cement, pozzolan and aggregates.
 - 2. Material Safety Data Sheets (MSDS) for all concrete components and admixtures.
 - 3. Air-entraining admixture. Product data including catalogue cut, technical data, storage requirements, product life, recommended dosage, temperature considerations and conformity to ASTM standards.
 - 4. Water-reducing admixture. Product data including catalogue cut, technical data, storage requirements, product life, recommended dosage, temperature considerations and conformity to ASTM standards.
 - 5. High-range water-reducing admixture (plasticizer). Product data including catalogue cut, technical data, storage requirements, product life, recommended dosage, temperature considerations, retarding effect, slump range and conformity to ASTM standards. Identify proposed locations of use.
 - 6. Concrete mix for each formulation of concrete proposed for use including constituent quantities per cubic yard, water-cementitious materials ratio, concrete slump, type and manufacturer of cement. Provide either a. or b. below for each mix proposed.
 - a. Standard deviation data for each proposed concrete mix based on statistical records.

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- b. The curve of water-cementitious materials ratio versus concrete cylinder strength for each formulation of concrete proposed based on laboratory tests. The cylinder strength shall be the average of the 28 day cylinder strength test results for each mix. Provide results of 7 and 14 day tests if available.
 - 7. Sheet curing material. Product data including catalogue cut, technical data and conformity to ASTM standard.
 - 8. Liquid curing compound. Product data including catalogue cut, technical data, storage requirements, product life, application rate and conformity to ASTM standards. Identify proposed locations of use.
- B. Samples.
- Fine and coarse aggregates if requested by the ENGINEER.
- C. Test Reports
- 1. Fine aggregates – sieve analysis, physical properties, and deleterious substance.
 - 2. Coarse aggregates – sieve analysis, physical properties, and deleterious substances.
 - 3. Cements – chemical analysis and physical properties for each type.
 - 4. Pozzolans – chemical analysis and physical properties.
 - 5. Proposed concrete mixes – compressive strength, slump and air content.
- D. Certifications
- 1. Certify admixtures used in the same concrete mix are compatible with each other and the aggregates.
 - 2. Certify admixtures are suitable for use in contact with potable water after 30 days of concrete curing.
 - 3. Certify curing compound is suitable for use in contact with potable water after 30 days (non-toxic and free of taste or odor).

1.04 REFERENCE STANDARDS

- A. American Society for Testing and Materials (ASTM)
- ASTM C31 – Standard Practice for Making and Curing Concrete Test Specimens in the Field.
- ASTM C33 – Standard Specification for Concrete Aggregates.
- ASTM C39 – Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens.
- ASTM C42 – Standard Test Method for Obtaining and Testing Drilled Cores and Sawed Beams of Concrete.
- ASTM C94 – Standard Specification for Ready-Mixed Concrete.

ASTM C143 – Standard Test Method for Slump of Hydraulic Cement Concrete.

ASTM C150 – Standard Specification for Portland Cement.

ASTM C171 – Standard Specification for Sheet Materials for Curing Concrete.

ASTM C173 – Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method.

ASTM C231 – Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method.

ASTM C260 – Standard Specification for Air-Entraining Admixtures for Concrete.

ASTM C309 – Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete.

ASTM C494 – Standard Specification for Chemical Admixtures for Concrete.

ASTM C618 – Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Concrete.

B. American Concrete Institute (ACI).

1. ACI 304R – Guide for Measuring, Mixing, Transporting and Placing Concrete.
2. ACI 305R – Hot Weather Concreting.
3. ACI 306.1 – Standard Specification for Cold Weather Concreting.
4. ACI 318 – Building Code Requirements for Structural Concrete.
5. ACI 350R – Environmental Engineering Concrete Structures.

C. IBC – International Building Code (IBC) – see Contract Drawings for referenced edition.

D. Where reference is made to one of the above standards, the revision as referenced in the IBC shall apply.

1.05 QUALITY ASSURANCE

A. Reinforced concrete shall comply with ACI 318, the recommendations of ACI 350R and other stated requirements, codes and standards. The most stringent requirement of the codes, standards and this Section shall apply when conflicts exist.

B. Only one source of cement and aggregates shall be used on any one structure. Concrete shall be uniform in color and appearance.

C. Well in advance of placing concrete, discuss with the ENGINEER the sources of individual materials and batched concrete proposed for use. Discuss placement methods, waterstops and curing. Propose methods of hot and cold weather concreting as required. Prior to the placement of any concrete containing a high-range water-reducing admixture (plasticizer), the CONTRACTOR, accompanied by the plasticizer manufacturer, shall discuss the properties and techniques of batching and placing plasticized concrete.

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- D. If, during the progress of the work, it is impossible to secure concrete of the required workability and strength with the materials being furnished, the ENGINEER may order such changes in proportions or materials, or both, as may be necessary to secure the desired properties. All changes so ordered shall be made at the CONTRACTOR'S expense.
- E. If, during the progress of the work, the materials from the sources originally accepted change in characteristics, the CONTRACTOR shall, at his/her expense, make new acceptance tests of aggregates and establish new design mixes.
- F. Testing of the following materials shall be furnished by CONTRACTOR to verify conformity with this Specification Section and the stated ASTM Standards.
1. Fine aggregates for conformity with ASTM C33 – sieve analysis, physical properties, and deleterious substances.
 2. Coarse aggregates for conformity with ASTM C33 – sieve analysis, physical properties, and deleterious substances.
 3. Cements for conformity with ASTM C150 – chemical analysis and physical properties.
 4. Pozzolans for conformity with ASTM C618 – chemical analysis and physical properties.
 5. Proposed concrete mix designs – compressive strength, slump and air content.
- G. Field testing and inspection services will be provided by the OWNER. The cost of such work, except as specifically stated otherwise, shall be paid by the OWNER. Testing of the following items shall be by the OWNER to verify conformity with this Specification Section.
1. Concrete placements – compressive strength (cylinders), compressive strength (cores), slump, and air content.
 2. Other materials or products that may come under question.
- H. All materials incorporated in the work shall conform to accepted samples.

1.06 DELIVERY, STORAGE AND HANDLING

- A. Cement: Store in weathertight buildings, bins or silos to provide protection from dampness and contamination and to minimize warehouse set.
- B. Aggregate: Arrange and use stockpiles to avoid excessive segregation or contamination with other materials or with other sizes of like aggregates. Build stockpiles in successive horizontal layers not exceeding three feet in thickness. Complete each layer before the next is started. Do not use frozen or partially frozen aggregate.
- C. Sand: Arrange and use stockpiles to avoid contamination. Allow sand to drain to a uniform moisture content before using. Do not use frozen or partially frozen aggregates.
- D. Admixtures: Store in closed containers to avoid contamination, evaporation or damage. Provide suitable agitating equipment to assure uniform dispersion of ingredients in

admixture solutions which tend to separate. Protect liquid admixtures from freezing and other temperature changes which could adversely affect their characteristics.

- E. Pozzolan: Store in weathertight buildings, bins or silos to provide protection from dampness and contamination.
- F. Sheet Curing Materials: Store in weathertight buildings or off the ground and under cover.
- G. Liquid Curing Compounds: Store in closed containers.

PART 2 - PRODUCTS

2.01 GENERAL

- A. The use of manufacturer's name and model or catalog number is for the purpose of establishing the standard of quality and general configuration desired.
- B. Like items of materials shall be the end products of one manufacturer in order to provide standardization for appearance, maintenance and manufacturer's service.

2.02 MATERIALS

- A. Materials shall comply with this Section and any applicable State or local requirements.
- B. Cement: Domestic portland cement complying with ASTM C150. Air entraining cements shall not be used. Cement brand shall be subject to approval by the ENGINEER and one brand shall be used throughout the Work. The following cement type(s) shall be used:

Class A,B,C,D Concrete – Type II with the addition of fly ash resulting in C₃A being below 7.5 percent of total cementitious content, Type III limited to 10 percent C₃A or Type V.
- C. Fine Aggregate: Washed inert natural sand conforming to the requirements of ASTM C33.
- D. Coarse Aggregate: Well-graded crushed stone or washed gravel conforming to the requirements of ASTM C33. Grading requirements shall be as listed in ASTM C33 Table 2 for the specified coarse aggregate size number. Limits of Deleterious Substances and Physical Property Requirements shall be as listed in ASTM C33 Table 3 for severe weathering regions. Size numbers for the concrete mixes shall be as shown in Table 1 herein.
- E. Water: Potable water free from injurious amounts of oils, acids, alkalis, salts, organic matter, or other deleterious substances.

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- F. Admixtures: Admixtures shall be free of chlorides and alkalis (except for those attributable to water). When it is required to use more than one admixture in a concrete mix, the admixtures shall be from the same manufacturer. Admixtures shall be compatible with the concrete mix including other admixtures and shall be suitable for use in contact with potable water after 30 days of concrete curing.
1. Air-Entraining Admixture: The admixture shall comply with ASTM C260. Proportioning and mixing shall be in accordance with manufacturer's recommendations.
 2. Water-Reducing Agent: The admixture shall comply with ASTM C494, Type A. Proportioning and mixing shall be in accordance with manufacturer's recommendations.
 3. High-Range Water-Reducer (Plasticizer): The admixture shall comply with ASTM C494, Type F and shall result in non-segregating plasticized concrete with little bleeding and with the physical properties of low water/cement ratio concrete. The treated concrete shall be capable of maintaining its plastic state in excess of 2 hours. Proportioning and mixing shall be in accordance with manufacturer's recommendations.
 4. Admixtures causing retarded or accelerated setting of concrete shall not be used without written approval from the ENGINEER. When allowed, the admixtures shall be retarding or accelerating water reducing or high range water reducing admixtures.
- G. Pozzolan (Fly Ash) Pozzolan shall be Class C or Class F fly ash complying with ASTM C618 except the Loss on Ignition (LOI) shall be limited to 3% maximum.
- H. Sheet Curing Materials. Waterproof paper, polyethylene film or white burlap-polyethylene sheeting all complying with ASTM C171.
- I. Liquid Curing Compound. Liquid membrane-forming curing compound shall comply with the requirements of ASTM C309, Type 1-D (clear or translucent with fugitive dye) and shall contain no wax, paraffin, or oil. Curing compound shall be approved for use in contact with potable water after 30 days (non-toxic and free of taste or odor).

2.03 MIXES

- A. Development of mix designs and testing shall be by an independent testing laboratory acceptable to the ENGINEER engaged by and at the expense of the CONTRACTOR.
- B. Select proportions of ingredients to meet the design strength and materials limits specified in Table 1 and to produce concrete having proper placability, durability, strength, appearance and other required properties. Proportion ingredients to produce a homogenous mixture which will readily work into corners and angles of forms and around reinforcement without permitting materials to segregate or allowing excessive free water to collect on the surface.
- C. The design mix shall be based on standard deviation data of prior mixes with essentially the same proportions of the same constituents or, if such data is not available, be developed by a testing laboratory, acceptable to the ENGINEER, engaged by and at the expense of the CONTRACTOR. Acceptance of mixes based on standard deviation shall

be based on the modification factors for standard deviation tests contained in ACI 318. The water content of the concrete mix, determined by laboratory testing, shall be based on a curve showing the relation between water cementitious ratio and 7 and 28 day compressive strengths of concrete made using the proposed materials. The curves shall be determined by four or more points, each representing an average value of at least three test specimens at each age. The curves shall have a range of values sufficient to yield the desired data, including the specified design strengths as modified below, without extrapolation. The water content of the concrete mixes to be used, as determined from the curve, shall correspond to strengths 16% greater than the specified design strengths. The resulting mix shall not conflict with the limiting values for maximum water cementitious ratio and net minimum cementitious content as specified in Table 1.

- D. Compression Tests: Provide testing of the proposed concrete mix or mixes to demonstrate compliance with the specified design strength requirements in conformity with the above paragraph.

- E. Entrained air, as measured by ASTM C231, shall be as shown in Table 1.

If the air-entraining agent proposed for use in the mix requires testing methods other than ASTM C231 to accurately determine air content, make special note of this requirement in the admixture submittal.

- F. Slump of the concrete as measured by ASTM C143, shall be as shown in Table 1. If a high-range water-reducer (plasticizer) is used, the slump indicated shall be that measured before plasticizer is added. Plasticized concrete shall have a slump ranging from seven to ten inches.

- G. Proportion admixtures according to the manufacturer's recommendations. Two or more admixtures specified may be used in the same mix provided that the admixtures in combination retain full efficiency and have no deleterious effect on the concrete or on the properties of each other.

TABLE 1
CONCRETE MIX REQUIREMENTS

Class	Design Strength (1)	Cement (2)	Fine Aggregate (2)	Coarse Aggregate (3)	Cementitious Content (4)
A	2500	C150 Type II	C33	57	440 min.
B	3000	C150 Type II	C33	57	480 min.
C	4000	C150 Type II	C33	57	560 min.

Class	W/C Ratio (5)	Fly Ash	AE Range (6)	WR (7)	HRWR (8)	Slump Range Inches
A	0.62 max.	--	3.5 to 5	Yes	No	1-4
B	0.54 max.	--	3.5 to 5	Yes	No	1-3
C	0.44 max.	--	(Note 6)	Yes	No	3-5

NOTES:

- (1) Minimum compressive strength in psi at 28 days
- (2) ASTM designation
- (3) Size Number in ASTM C33
- (4) Cementitious content in lbs/cu yd
- (5) W/C is Water-Cementitious ratio by weight
- (6) AE is percent air-entrainment. Comply with ACI 318 Table 4.2.1 for "moderate exposure".
- (7) WR is water-reducer admixture
- (8) HRWR is high-range water-reducer admixture

2.04 GROUT

- A. Non-metallic, 100 percent solids, high strength epoxy grout.
 1. Use clean well graded sand with epoxy resins suitable for use on dry or damp surfaces.
 2. Product and Manufacturer; Provide one of the following:
 - a. Euco High Strength Grout by the Euclid Chemical Company.
 - b. Sikadur 42 Grout by Sika Chemical Company.
 - c. Five Star Epoxy Grout by U.S. Grout Corporation.
 - d. Or equal.

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- B. Nonshrink, Nonmetallic Grout:
1. Premixed nonstaining cementitious grout requiring only the addition of water at the job site.
 2. Product and Manufacturer: Provide one of the following:
 - a. Euco N-S by the Euclid Chemical Company.
 - b. Masterflow 713 by Master Builders Company.
 - c. Five Star by U.S. Grout Corporation.
 - d. Or equal.
- C. Ordinary Cement-Sand Grout:
1. Except where otherwise specified use 1 part cement to 3 parts sand complying with the following:
 - a. Cement: ASTM C 150, Type II.
 - b. Sand: ASTM C 33.

PART 3 - EXECUTION

3.01 MEASURING MATERIALS

- A. Concrete shall be composed of portland cement, fine aggregate, coarse aggregate, water and admixtures as specified and shall be produced by a plant acceptable to the ENGINEER. All constituents, including admixtures, shall be batched at the plant except a high-range water-reducer may also be added in the field.
- B. Measure materials for batching concrete by weighing in conformity with and within the tolerances given in ASTM C94 except as otherwise specified. Scales shall have been certified by the local Sealer of Weights and Measures within 1 year of use.
- C. Measure the amount of free water in fine aggregates within 0.3% with a moisture meter. Compensate for varying moisture contents of fine aggregates. Record the number of gallons of water as-batched on printed batching tickets.
- D. Admixtures shall be dispensed either manually using calibrated containers or measuring tanks, or by means of an automatic dispenser approved by the manufacturer of the specific admixture.
1. Charge air-entraining and chemical admixtures into the mixer as a solution using an automatic dispenser or similar metering device.
 2. Inject multiple admixtures separately during the batching sequence.

3.02 MIXING AND TRANSPORTING

- A. Concrete shall be ready-mixed concrete produced by equipment acceptable to the ENGINEER. No hand-mixing will be permitted. Clean each transit mix truck drum and reverse drum rotation before the truck proceeds under the batching plant. Equip each transit-mix truck with a continuous, nonreversible, revolution counter showing the number of revolutions at mixing speeds.

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- B. Ready-mix concrete shall be transported to the site in watertight agitator or mixer trucks loaded not in excess of their rated capacities as stated on the name plate.
 - C. Keep the water tank valve on each transit truck locked at all times. Any addition of water must be directed by the ENGINEER. Added water shall be incorporated by additional mixing of at least 35 revolutions. All added water shall be metered and the amount of water added shall be shown on each delivery ticket.
 - D. All central plant and rolling stock equipment and methods shall comply with ACI 318 and ASTM C94.
 - E. Select equipment of size and design to ensure continuous flow of concrete at the delivery end. Metal or metal-lined non-aluminum discharge chutes shall be used and shall have slopes not exceeding 1 vertical to 2 horizontal and not less than 1 vertical to 3 horizontal. Chutes more than 20 feet long and chutes not meeting slope requirements may be used if concrete is discharged into a hopper before distribution.
 - F. Retempering (mixing with or without additional cement, aggregate, or water) of concrete or mortar which has reached initial set will not be permitted.
 - G. Handle concrete from mixer to placement as quickly as practicable while providing concrete of required quality in the placement area. Dispatch trucks from the batching plant so they arrive at the work site just before the concrete is required, thus avoiding excessive mixing of concrete while waiting or delays in placing successive layers of concrete in the forms.
 - H. Furnish a delivery ticket for ready mixed concrete to the ENGINEER as each truck arrives. Each ticket shall provide a printed record of the weight of cement and each aggregate as batched individually. Use the type of indicator that returns for zero punch or returns to zero after a batch is discharged. Clearly indicate the weight of fine and coarse aggregate, cement and water in each batch, the quantity delivered, the time any water is added, and the numerical sequence of the delivery. Show the time of day batched and time of discharge from the truck. Indicate the number of revolutions of the truck mixer.
 - I. Temperature and Mixing Time Control
 - 1. In cold weather, do not allow the as-mixed temperature of the concrete and concrete temperatures at the time of placement in the forms to drop below 40°F.
 - 2. If water or aggregate has been heated, combine water with aggregate in the mixer before cement is added. Do not add cement to mixtures of water and aggregate when the temperature of the mixture is greater than 90°F.
 - 3. In hot weather, cool ingredients before mixing to maintain temperature of the concrete below the maximum placing temperature of 90°F. If necessary, substitute well-crushed ice for all or part of the mixing water.
 - 4. The maximum time interval between the addition of mixing water and/or cement to the batch and the placing of concrete in the forms shall not exceed the values shown in Table 2.

TABLE 2

MAXIMUM TIME TO DISCHARGE OF CONCRETE

<u>Air or Concrete Temperature (whichever is higher)</u>	<u>Maximum Time</u>
80 to 90°F (27 to 32°C)	45 minutes
70 to 79°F (21 to 26°C)	60 minutes
40 to 69°F (5 to 20°C)	90 minutes

If an approved high-range water-reducer (plasticizer) is used to produce plasticized concrete, the maximum time interval shall not exceed 90 minutes.

3.03 CONCRETE APPEARANCE

- A. Concrete mix showing either poor cohesion or poor coating of the coarse aggregate with paste shall be remixed. If this does not correct the condition, the concrete shall be rejected. If the slump is within the allowable limit, but excessive bleeding, poor workability, or poor finishability are observed, changes in the concrete mix shall be obtained only by adjusting one or more of the following:
1. The gradation of aggregate.
 2. The proportion of fine and coarse aggregate.
 3. The percentage of entrained air, within the allowable limits.
- B. Concrete for the work shall provide a homogeneous structure which, when hardened, will have the required strength, durability and appearance. Mixtures and workmanship shall be such that concrete surfaces, when exposed, will require no finishing. When concrete surfaces are stripped, the concrete, when viewed in good lighting from ten feet away, shall be pleasing in appearance, and at a distance of 20 feet shall show no visible defects.

3.04 PLACING AND COMPACTING

- A. Placing
1. Verify that all formwork completely encloses concrete to be placed and is securely braced prior to concrete placement. Remove ice, excess water, dirt and other foreign materials from forms. Confirm that reinforcement and other embedded items are securely in place. Have a competent workman at the location of the placement who can assure that reinforcing steel and embedded items remain in designated locations while concrete is being placed. Sprinkle semi-porous subgrades or forms to eliminate suction of water from the mix. Seal extremely porous subgrades in an approved manner.
 2. Deposit concrete as near its final position as possible to avoid segregation due to rehandling or flowing. Place concrete continuously at a rate which ensures the concrete is being integrated with fresh plastic concrete. Do not deposit concrete which has partially hardened or has been contaminated by foreign materials or on concrete which has hardened sufficiently to cause formation of seams or planes

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- of weakness within the section. If the section cannot be placed continuously, place construction joints as specified or as approved.
3. Pumping of concrete will be permitted. Use a mix design and aggregate sizes suitable for pumping and submit for approval.
 4. Remove temporary spreaders from forms when the spreader is no longer useful. Temporary spreaders may remain embedded in concrete only when made of galvanized metal or concrete and if prior approval has been obtained.
 5. Do not place concrete for supported elements until concrete previously placed in the supporting element (columns, slabs and/or walls) has reached adequate strength.
 6. Where surface mortar is to form the base of a finish, especially surfaces designated to be painted, work coarse aggregate back from forms with a suitable tool to bring the full surface of the mortar against the form. Prevent the formation of excessive surface voids.
 7. Slabs
 - a. After suitable bulkheads, screeds and jointing materials have been positioned, the concrete shall be placed continuously between construction joints beginning at a bulkhead, edge form, or corner. Each batch shall be placed into the edge of the previously placed concrete to avoid stone pockets and segregation.
 - b. Avoid delays in casting. If there is a delay in casting, the concrete placed after the delay shall be thoroughly spaded and consolidated at the edge of that previously placed to avoid cold joints. Concrete shall then be brought to correct level and struck off with a straightedge. Bullfloats or darbies shall be used to smooth the surface, leaving it free of humps or hollows.
 - c. Where slabs are to be placed integrally with the walls below them, place the walls and compact as specified. Allow 1 hour to pass between placement of the wall and the overlying slab to permit consolidation of the wall concrete. Keep the top surface of the wall moist so as to prevent cold joints.
 8. Formed Concrete: Place concrete in forms using tremie tubes and taking care to prevent segregation. Bottom of tremie tubes shall preferably be in contact with the concrete already placed. Do not permit concrete to drop freely more than four feet. Place concrete for walls in 12 to 24 inches lifts, keeping the surface horizontal. If plasticized concrete is used, the maximum lift thickness may be increased to seven feet and the maximum free fall of concrete shall not exceed fifteen (15) feet.
 9. Underwater concreting shall be performed in conformity with the recommendations of ACI 304R. The tremie system shall be used to place underwater concrete. Tremie pipes shall be in the range of 8 to 12 inches in diameter and be spaced at not more than 16 feet on centers nor more than eight feet from an end form. Where concrete is being placed around a pipe, there shall be at least one tremie pipe on each side of each pipe. Where the tremie system is not practical, direct pumped concrete for underwater placement may be used subject to approval of the system including details by the ENGINEER.

B. Compacting:

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1. Consolidate concrete by vibration, puddling, spading, rodding or forking so that concrete is thoroughly worked around reinforcement, embedded items and openings and into corners of forms. Puddling, spading, etc, shall be continuously performed along with vibration of the placement to eliminate air or stone pockets which may cause honeycombing, pitting or planes of weakness.
 2. All concrete shall be placed and compacted with mechanical vibrators. The number, type and size of the units shall be approved by the ENGINEER in advance of placing operations. No concrete shall be ordered until sufficient approved vibrators (including standby units in working order) are on the job.
 3. A minimum frequency of 7000 rpm is required for mechanical vibrators. Insert vibrators and withdraw at points from 18 to 30 inches apart. At each insertion, vibrate sufficiently to consolidate concrete, generally from 5 to 15 seconds. Do not over vibrate so as to segregate. Keep a spare vibrator on the site during concrete placing operations.
 4. Concrete Slabs: Concrete for slabs less than eight inches thick shall be consolidated with vibrating screeds; slabs 8 to 12 inches thick shall be compacted with internal vibrators and (optionally) with vibrating screeds. Vibrators shall always be placed into concrete vertically and shall not be laid horizontally or laid over.
 5. Walls and Columns: Internal vibrators (rather than form vibrators) shall be used unless otherwise approved by the ENGINEER. In general, for each vibrator needed to melt down the batch at the point of discharge, one or more additional vibrators must be used to densify, homogenize and perfect the surface. The vibrators shall be inserted vertically at regular intervals, through the fresh concrete and slightly into the previous lift, if any.
 6. Amount of Vibration: Vibrators are to be used to consolidate properly placed concrete but shall not be used to move or transport concrete in the forms. Vibration shall continue until:
 - a. Frequency returns to normal.
 - b. Surface appears liquefied, flattened and glistening.
 - c. Trapped air ceases to rise.
 - d. Coarse aggregate has blended into surface, but has not disappeared.

3.05 CURING AND PROTECTION

- A. Protect all concrete work against injury from the elements and defacements of any nature during construction operations.
- B. Curing Methods
 1. Curing Methods for Concrete Surfaces: Cure concrete to retain moisture and maintain specified temperature at the surface for a minimum of 7 days after placement. Curing methods to be used are as follows:
 - a. Water Curing: Keep entire concrete surface wet by ponding, continuous sprinkling or covered with saturated burlap. Begin wet cure as soon as concrete attains an initial set and maintain wet cure 24 hours a day.
 - b. Sheet Material Curing: Cover entire surface with sheet material. Securely anchor sheeting to prevent wind and air from lifting the sheeting or entrapping air under the sheet. Place and secure sheet as soon as initial concrete set occurs.

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- c. Liquid Membrane Curing: Apply over the entire concrete surface except for surfaces to receive additional concrete. Curing compound shall NOT be placed on any concrete surface where additional concrete is to be placed, where concrete sealers or surface coatings are to be used, or where the concrete finish requires an integral floor product. Curing compound shall be applied as soon as the free water on the surface has disappeared and no water sheen is visible, but not after the concrete is dry or when the curing compound can be absorbed into the concrete. Application shall be in compliance with the manufacturer's recommendations.
 - 2. Specified applications of curing methods.
 - a. Slabs for Water Containment Structures: Water curing only.
 - b. Slabs on Grade and Footings (not used to contain water): Water curing, sheet material curing or liquid membrane curing.
 - c. Structural Slabs (other than water containment): Water curing or liquid membrane curing.
 - d. Horizontal Surfaces which will Receive Additional Concrete, Coatings, Grout or Other Material that Requires Bond to the substrate: Water curing.
 - e. Formed Surfaces: None if nonabsorbent forms are left in place 7 days. Water cure if absorbent forms are used. Sheet cured or liquid membrane cured if forms are removed prior to 7 days. Exposed horizontal surfaces of formed walls or columns shall be water cured for 7 days or until next placement of concrete is made.
 - f. Concrete Joints: Water cured or sheet material cured.
 - C. Finished surfaces and slabs shall be protected from the direct rays of the sun to prevent checking and crazing.
 - D. Cold Weather Concreting:
 - 1. "Cold weather" is defined as a period when for more than 3 successive days, the average daily outdoor temperature drops below 40°F. The average daily temperature shall be calculated as the average of the highest and the lowest temperature during the period from midnight to midnight.
 - 2. Cold weather concreting shall conform to ACI 306.1 and the additional requirements specified herein. Temperatures at the concrete placement shall be recorded at 12 hour intervals (minimum).
 - 3. Discuss a cold weather work plan with the ENGINEER. The discussion shall encompass the methods and procedures proposed for use during cold weather including the production, transportation, placement, protection, curing and temperature monitoring of the concrete. The procedures to be implemented upon abrupt changes in weather conditions or equipment failures shall also be discussed. Cold weather concreting shall not begin until the work plan is acceptable to the ENGINEER.
 - 4. During periods of cold weather, concrete shall be protected to provide continuous warm, moist curing (with supplementary heat when required) for a total of at least 350° days of curing.

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- a. Degree-days are defined as the total number of 24 hour periods multiplied by the weighted average daily air temperature at the surface of the concrete (eg: Five days at an average 70°F = 350° days).
 - b. To calculate the weighted average daily air temperature, sum hourly measurements of the air temperature in the shade at the surface of the concrete taking any measurement less than 50°F as 0°F. Divide the sum thus calculated by 24 to obtain the weighted average temperature for that day.
5. Salt, manure or other chemicals shall not be used for protection.
 6. The protection period for concrete being water cured shall not be terminated during cold weather until at least 24 hours after water curing has been terminated.
- E. Hot Weather Concreting:
1. "Hot weather" is defined as any combination of high air temperatures, low relative humidity and wind velocity which produces a rate of evaporation estimated in accordance with ACI 305R, approaching or exceeding 0.2 lbs/sqft/hr).
 2. Concrete placed during hot weather, shall be batched, delivered, placed, cured and protected in compliance with the recommendations of ACI 305R and the additional requirements specified herein.
 - a. Temperature of concrete being placed shall not exceed 90°F and every effort shall be made to maintain a uniform concrete mix temperature below this level. The temperature of the concrete shall be such that it will cause no difficulties from loss of slump, flash set or cold joints.
 - b. All necessary precautions shall be taken to promptly deliver, to promptly place the concrete upon its arrival at the job and to provide vibration immediately after placement.
 - c. The ENGINEER may direct the CONTRACTOR to immediately cover plastic concrete with sheet material.
 3. Discuss with the ENGINEER a work plan describing the methods and procedures proposed to use for concrete placement and curing during hot weather periods. Hot weather concreting shall not begin until the work plan is acceptable to the ENGINEER.

3.06 REMOVAL OF FORMS

- A. Except as otherwise specifically authorized by the ENGINEER, forms shall not be removed before the concrete has attained a strength of at least 30% of its specified design strength, nor before reaching the following number of day-degrees of curing (whichever is the longer):

TABLE 3

MINIMUM TIME TO FORM REMOVAL

<u>Forms for</u>	<u>Degree Days*</u>
Beams and slabs	500
Walls and vertical surfaces	100
• (See definition of degree-days in this Section.)	

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- B. Shores shall not be removed until the concrete has attained at least 60% of its specified design strength and also sufficient strength to support safely its own weight and construction live loads.

3.07 INSPECTION AND FIELD TESTING

- A. The batching, mixing, transporting, placing and curing of concrete shall be subject to the inspection of the ENGINEER at all times. The CONTRACTOR shall advise the ENGINEER of his/her readiness to proceed at least 24 hours prior to each concrete placement. The ENGINEER will inspect the preparations for concreting including the preparation of previously placed concrete, the reinforcing steel and the alignment, cleanliness and tightness of formwork. No placement shall be made without the inspection and acceptance of the ENGINEER.
- B. Sets of field control cylinder specimens will be taken by the ENGINEER (or inspector) during the progress of the work, in compliance with ASTM C31. The number of sets of concrete test cylinders taken of each class of concrete placed each day shall not be less than one set per day, nor less than one set for each 150 cu yds of concrete nor less than one set for each 5,000 sq ft of surface area for slabs or walls.
1. A "set" of test cylinders consists of four cylinders: one to be tested at 7 days and two to be tested and their strengths averaged at 28 days. The fourth may be used for a special test at 3 days or to verify strength after 28 days if 28 day test results are low.
 2. When the average 28 day compressive strength of the cylinders in any set falls below the specified design strength or below proportional minimum 7 day strengths (where proper relation between seven and 28 day strengths have been established by tests), proportions, water content, or temperature conditions shall be changed to achieve the required strengths.
- C. Cooperate in the making of tests by allowing free access to the work for the selection of samples, providing an insulated closed curing box for specimens, affording protection to the specimens against injury or loss through the operations and furnish material and labor required for the purpose of taking concrete cylinder samples. All shipping of specimens will be paid for by the OWNER. Curing boxes shall be acceptable to the ENGINEER.
- D. Slump tests will be made in the field immediately prior to placing the concrete. Such tests shall be made in accordance with ASTM C143. If the slump is greater the specified range, the concrete shall be rejected.
- E. Air Content: Test for air content shall be made on a fresh concrete samples. Air content for concrete made of ordinary aggregates having low absorption shall be made in compliance with either the pressure method complying with ASTM C231 or by the volumetric method complying with ASTM C173. If lightweight aggregates or aggregates with high absorptions are used, the latter test method shall be used.
- F. The ENGINEER may have cores taken from any questionable area in the concrete work such as construction joints and other locations as required for determination of concrete quality. The results of tests on such cores shall be the basis for acceptance, rejection or determining the continuation of concrete work.

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- G. Cooperate in obtaining cores by allowing free access to the work and permitting the use of ladders, scaffolding and such incidental equipment as may be required. Repair all core holes. The work of cutting and testing the cores will be at the expense of the OWNER.

3.08 FAILURE TO MEET REQUIREMENTS

- A. Should the strengths shown by the test specimens made and tested in compliance with the previous provisions fall below the values given in Table 1, the ENGINEER shall have the right to require changes in proportions outlined to apply to the remainder of the work. Furthermore, the ENGINEER shall have the right to require additional curing on those portions of the structure represented by the test specimens which failed. The cost of such additional curing shall be at the CONTRACTOR'S expense. In the event that such additional curing does not give the strength required, as evidenced by core and/or load tests, the ENGINEER shall have the right to require strengthening or replacement of those portions of the structure which fail to develop the required strength. The cost of all such core borings and/or load tests and any strengthening or concrete replacement required because strengths of test specimens are below that specified, shall be entirely at the expense of the CONTRACTOR. In such cases of failure to meet strength requirements the CONTRACTOR and ENGINEER shall confer to determine what adjustment, if any, can be made in compliance with Sections titled "Strength" and "Failure to Meet Strength Requirements" of ASTM C94. The "purchaser" referred to in ASTM C94 is the CONTRACTOR in this Section.
- B. When the tests on control specimens of concrete fall below the specified strength, the ENGINEER will permit check tests for strengths to be made by means of typical cores drilled from the structure in compliance with ASTM C42 and C39. In the case of cores not indicating adequate strength, the ENGINEER, in addition to other recourses, may require, at the CONTRACTOR'S expense, load tests on any one of the slabs, beams, piles, caps, and columns in which such concrete was used. Tests need not be made until concrete has aged 60 days.
- C. Should the strength of test cylinders fall below 60% of the required minimum 28 day strength, the concrete shall be rejected and shall be removed and replaced.

3.09 PATCHING AND REPAIRS

- A. It is the intent of this Section to require quality work including adequate forming, proper mixture and placement of concrete and curing so completed concrete surfaces will require no patching.
- B. Defective concrete and honeycombed areas as determined by the ENGINEER shall be repaired as specified by the ENGINEER.
- C. As soon as the forms have been stripped and the concrete surfaces exposed, fins and other projections shall be removed; recesses left by the removal of form ties shall be filled; and surface defects which do not impair structural strength shall be repaired. Clean all exposed concrete surfaces and adjoining work stained by leakage of concrete, to approval of the ENGINEER.

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- D. Immediately after removal of forms remove plugs and break off metal ties as required by Section 03100. Promptly fill holes upon stripping as follows: Moisten the hole with water, followed by a 1/16 inch brush coat of neat cement slurry mixed to the consistency of a heavy paste. Immediately plug the hole with a 1 to 1.5 mixture of cement and concrete sand mixed slightly damp to the touch (just short of "balling"). Hammer the grout into the hole until dense, and an excess of paste appears on the surface in the form of a spiderweb. Trowel smooth with heavy pressure. Avoid burnishing.
 - E. When patching exposed surfaces the same source of cement and sand as used in the parent concrete shall be employed. Adjust color if necessary by addition of proper amounts of white cement. Rub lightly with a fine Carborundum stone at an age of 1 to 5 days if necessary to bring the surface down with the parent concrete. Exercise care to avoid damaging or staining the virgin skin of the surrounding parent concrete. Wash thoroughly to remove all rubbed matter.

3.10 GROUT PLACEMENT

General:

- A. Place grout as shown and in accordance with manufacturer's instructing. If manufacturer's instructions conflict with the Specifications do not proceed until the ENGINEER provides clarification.
- B. Drypacking will not be permitted.
- C. Manufacturers of proprietary products shall make available upon 72 hours notification the services of a qualified, full-time employee to aid in assuring proper use of the product under job conditions.
- D. Placing grout shall conform to the temperature and weather limitations described in Paragraph 3.04 above.

3.11 WATERTIGHTNESS

Each water-retaining structure (those which are intended to hold a liquid) shall be filled and tested for leaks by the CONTRACTOR with clean water prior to surface coating or painting. Leaks shall be repaired by the CONTRACTOR. The procedure and manner in which leaks are repaired shall meet the approval of the ENGINEER. All costs associated with the testing and repair of leaks shall be at the expense of the CONTRACTOR. Prior to beginning of the leakage test, the structure shall be filled to the highest working water level and allowed to stand for a period of 24 hours to allow for absorption.

Leakage limitations shall be as follows:

- A. All water visibly flowing through a concrete wall shall constitute a leak and shall be repaired by pumping and sealing the crack with an ENGINEER approved material.
- B. Damp areas not exceeding one percent of the total wall wetted area and not having visible seepage shall be conditionally acceptable subject to all said dampness being eliminated

by application of the water side surface treatment as may be specified. In the absence of a specified water side surface treatment or where said treatment does not eliminate wall dampness, the water side of the wall shall be prepared in accordance with the manufacturer's instructions and an epoxy concrete surface coating applied.

- C. All leakage testing shall be performed prior to backfill.
- D. To check for leakage through the tank bottoms, the fall in surface water level during tank testing shall be measured and shall not exceed 0.5 inch in a 24 hour period, providing allowance for evaporation at a rate approved by the ENGINEER. Visual leaks, either flowing or damp areas, observed during the filling, absorption, or test periods shall be marked and locations recorded and repaired.

3.12 SCHEDULE

The following (Table 4) are the general applications for the various concrete classes and design strengths:

TABLE 4

CONCRETE SCHEDULE

<u>Class</u>	<u>Design Strength (psi)</u>	<u>Description</u>
A	2,500	Concrete fill and duct encasement
B	3,000	Concrete overlay slabs and pavements
C	4,000	Walls, slabs on grade, suspended slab and beam systems, columns, grade beams and all other structural concrete

3.13 FINISH OF FORMED SURFACES

- A. Rough Form Finish:
 - 1. Standard rough form finish shall be the concrete surface having the texture imparted by the form material used, with tie holes and defective areas repaired and patched with mortar of 1 part cement to 1 ½ parts sand and all fins and other projections exceeding ¼ inch in height rubbed down or chipped off.
 - 2. Use rough form finish for the following:
 - a. Exterior vertical surfaces up to 1 foot below grade.
 - b. Interior exposed vertical surfaces of liquid containers up to 1 foot below liquid level.
 - c. Interior and exterior exposed beams and undersides of slabs.
 - d. Other areas shown.
- B. Smooth Form Finish:
 - 1. Produce smooth form finish by selecting form materials which will impart a smooth, hard, uniform texture. Arrange panels in an orderly and symmetrical manner with a minimum of seams. Repair and patch defective areas as above with all fins or other projections completely removed and smoothed.

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2. Use smooth form finish for surfaces that are to be covered with a coating material. The material may be applied directly to the concrete or may be a covering bonded to the concrete such as waterproofing, dampproofing, painting or other similar system.
- C. Smooth Rubbed Finish:
1. Provide smooth rubbed finish to concrete surfaces which have received smooth form finish as follows:
 - a. Rubbing of concrete surfaces not later than the day after form removal.
 - b. Moistening of concrete surfaces and rubbing with carborundum brick or other abrasive until a uniform color and texture is produced. Do not apply cement grout other than that created by the rubbing process.
 2. Except where surfaces have been previously covered as specified above, use smooth rubbed finish for the following:
 - a. Interior exposed walls and other vertical surfaces.
 - b. Exterior exposed walls and other vertical surfaces down to 1 foot below grade.
 - c. Interior and exterior horizontal surfaces, except exterior exposed slabs and steps.
 - d. Interior exposed vertical surfaces of liquid containers down to 1 foot below liquid level.
 - e. Other areas shown.
- D. Related Unformed Surfaces: At tops of walls, horizontal offsets, and similar unformed surfaces occurring adjacent to formed surfaces, strike off smooth and finish with a texture matching the adjacent formed surfaces. Continue the final surface treatment of formed surfaces uniformly across the adjacent unformed surfaces, unless otherwise shown.

3.14 MONOLITHIC SLAB FINISHES

- A. Float Finish:
1. After placing concrete slabs, do not work the surface further until ready for floating. Begin floating when the surface water has disappeared or when the concrete has stiffened sufficiently. Use a wood float only. Check and level the surface plane to a tolerance not exceeding $\frac{1}{4}$ inch in 10 feet when tested with a 10 foot straightedge placed on the surface at not less than 2 different angles. Cut down high spots and fill all low spots. Uniformly slope surfaces to drains. Immediately after leveling, refloat the surface to a uniform smooth, granular texture.
 2. Use float finish for the following:
 - a. Interior exposed horizontal surfaces of liquid containers.
 - b. Exterior below grade horizontal surfaces.
- B. Trowel Finish:
1. After floating, begin the first trowel finish operation using a power-driven trowel. Begin final troweling when the surface produces a ringing sound as the trowel is moved over the surface.

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2. Consolidate the concrete surface by the final hand troweling operation. Finish shall be free of trowel marks, uniform in texture and appearance, and with a surface plane tolerance not exceeding 1/8 inch in 10 feet when tested with a 10 foot straight edge. Grind smooth surface defects which would telegraph through applied floor covering system.
 3. Use trowel finish for the following:
 - a. Interior exposed slabs unless otherwise shown or specified.
 - b. Slabs to receive resilient floor finishes.
- C. Non-Slip Broom Finish:
1. Use non-slip broom finish for the following:
 - a. Exterior concrete platforms.
 - b. Steps.
 - c. Ramps.
 - d. Horizontal surfaces which will receive a grout or concrete topping.
 - e. Elsewhere as shown on the Drawings or in schedules.
 2. Immediately after trowel finishing, slightly roughen the concrete surface by brooming in the direction perpendicular to the main traffic route. Use fiber-bristle broom unless otherwise directed. Coordinate the required final finish with the ENGINEER before application.

END OF SECTION

SECTION 05100
STRUCTURAL STEEL

PART 1 - GENERAL

1.01 DESCRIPTION

Structural steel framing members, support members, steel lintels, with required bracing welds, fasteners, baseplates, bearing plates, anchor bolts, and miscellaneous structural steel items.

1.02 APPLICABLE STANDARDS

- A. American Institute of Steel Construction.
 - 1. 2005 AISC Specification for Structural Steel Buildings.
 - 2. 2004 RCSC specification for Structural Joints Using ASTM A325 or A490 Bolts.
 - 3. 2005 AISC Code of Standard Practice for Steel Buildings and Bridges.
- B. American Society for Testing and Materials:
 - 1. ASTM A36 for Structural Steel (excluding wide flange shapes).
 - 2. ASTM A525 for Structural Steel Where Specified on Plans.
 - 3. ASTM A-233 Class E70XX Series Electrodes for Manual Arc Welding and Grade SAW-1 Submerged Arc Processed Shall be Used.
 - 4. ASTM A307 For Unfinished Bolts.
 - 5. ASTM A325 For High Strength Bolts.
 - 6. ASTM A490, Quenched and Tempered Alloy Steel Bolts for Structural Steel Joints.
 - 7. ASTM A992, for structural steel (wide flange shapes).
- C. American Welding Society (AWS) D1.1, Structural Steel.
- D. International Building Code (IBC) – see edition referenced in Contract Drawings.

1.03 QUALITY ASSURANCE

- A. The CONTRACTOR shall retain the services of an approved inspection/testing laboratory to perform the specified inspection and furnish to the ENGINEER, in triplicate, reports of all inspections with complete summary of results.
- B. The testing laboratory shall visually inspect all field welds and all bolted connections for compliance with the details shown on the Contract Drawings and the requirements of the AISC.
- C. The OWNER reserves the right to employ an independent testing laboratory to gamma ray or magna-flux all welds. Any welds found to be inadequate shall be removed and replaced by the CONTRACTOR at no additional cost to the OWNER.

D. Welds shall be made according to requirements of the AWS D1.1. Welders shall be certified for this project as qualified welders according to the requirements of the AWS D1.1. Copies of the certificates for each welder shall be furnished to the ENGINEER.

E. Mill certificates for all structural steel are to be furnished to the ENGINEER for his review.

1.04 SUBMITTALS

A. The CONTRACTOR shall furnish and submit, before any fabrication, copies of shop drawings and welding procedures showing all details necessary for erection and fabrication of his work for the approval of the ENGINEER. Shop drawings shall only be submitted in completed sets.

B. Submit for approval, copies of manufacturer's specifications and installation instructions for products listed below. Include laboratory test reports and other data as required to show compliance with these specifications.

1. Structural steel of each type, including certified copies of mill reports covering the chemical and physical properties.
2. High-strength bolts of each type, including nuts and washers.
3. Unfinished bolts and nuts.
4. Touch-up field primer paint.

C. See also Paragraph 1.03 for additional submittals.

1.05 PRODUCT HANDLING

Store above ground on suitable supports and keep free of foreign material and corrosion as far as practicable.

1.06 JOB CONDITIONS

A. All dimensions requiring verification from the work as installed shall be verified from the shop drawings of such work or from the building by the CONTRACTOR. CONTRACTOR to verify dimensions in field and field conditioned. Indicate on shop drawings this has been done.

B. All work under this division of the specifications shall be installed at the proper time and as rapidly as the progress of the adjacent and connecting work will permit. All brackets, anchors, bolts, inserts, straps, and all other items to be installed in masonry or concrete shall be built in as the masonry or concrete is constructed.

C. Verify existing structural members are permanently braced and supported before installation of new structural members.

PART 2 - PRODUCTS

2.01 MATERIALS

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- A. High strength bolts shall be galvanized and conform to ASTM Specification A325.
 - B. Unfinished Threaded Fasteners: ASTM A307, Grade A, regular low-carbon steel bolts, nuts and washers.
 - C. Structural steel (HSS) shall conform to the ASTM A500 Grade B (46 KSI).
 - D. Welds shall be E70XX Series Electrodes for Manual Arc Welding.
 - E. Structural steel (rolled steel plates and shapes excluding wide flange shapes and bars) shall conform to ASTM A36.
 - F. Nuts and washers shall conform to ASTM A563 and F436 respectively.
 - G. All structural steel shall be hot dip galvanized.

PART 3 - EXECUTION

3.01 FABRICATION

- A. All workmanship shall be equal to the best practice in modern structural shops. As a minimum requirement, all structural steel work shall conform to the specifications of the AISC.
- B. Shop connections shall be welded in accordance with AWS D1.1. Unless shown otherwise, all welds shall be 1/4-inch minimum. Field connections shall be bolted unless welded connections are indicated on plans. Welded connections shall be detailed consistent with requirements of the AWS D1.1. Bolted connections shall be proportioned as shown in AISC, using three-fourth inch (3/4") diameter bolts unless shown otherwise on plans.
- C. Shop and field welders shall have been recently certified as qualified structural welders according to requirements of the AWS D1.1.
- D. Any splices not shown on the drawings shall be indicated clearly on the shop drawings and shall be made only with the approval of the ENGINEER.
- E. The CONTRACTOR is to verify the sizes and locations of all required floor and roof openings, equipment supports, etc. with the various subcontractors. Any conditions which require revisions or additions to the structural framing are to be brought to the attention of the ENGINEER prior to any construction. Any cost for the required structural changes will be borne by the CONTRACTOR.
- F. If a member size has been inadvertently omitted from the plans, the fabricator shall contact the ENGINEER for the required size prior to submittal of his bid proposal.

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- G. Erection marks shall be painted on all structural members.
 - H. Provide all necessary erection clips, angles, seats and all other similar items, to properly erect structural steel.
 - I. Welding shall be in accordance with the requirements of the American Welding Society with all possible welding performed in the shop.
 - J. The CONTRACTOR shall make measurements in the field to verify or supplement dimensions shown on the drawings and shall be responsible for proper measurements and fit of all items.

3.02 ERECTION

- A. Provide falsework, temporary bracing, and all tools, machinery and appliances, necessary for the expeditious handling of the work. Falsework and temporary bracing shall be properly designed and substantially constructed and maintained for the loads which will come upon it and shall remain in place until all permanent bracing is in place.
- B. Bolts shall be installed using a hardened washer under the turned element and shall be tightened as per the requirements of the AISC.
- C. The structural system and the individual structural members are designed to be self supporting only after all structural members are connected in place.
- D. Steel furnished shall be true and free of twists, bends, and open joints between components parts. Material shall be thoroughly straightened in the shop before being laid out or worked in any way.
- E. Each piece or member shall be properly identified by a mark and direction of setting. CONTRACTOR shall check each piece for conformity to plans and dimensions to maintain proper location, alignment and level.
- F. All members shall be set plumb and true to exact level, or slope if required, and checked by instrument. Grout base plates solidly with approved non-shrinking grout. Set bearing plates in mortar consisting of Portland Cement and sand.
- G. Temporary braces shall be provided wherever necessary to take care of all loads to which structure may be subjected, including erection materials. No permanent connections or welding shall be done until the structure has been properly aligned.

END OF SECTION

SECTION 06100
ROUGH CARPENTRY

PART 1 - GENERAL

1.01 WORK INCLUDED (unless specified in other Sections in the Contract Documents):

- A. Structural and Non-Structural Dimension Lumber.
- B. Wood-Preservative-Treated Materials.
- C. Concealed Boards, Furring, Blocking and Shims.
- D. Fasteners, Joist Hangers and Other Connectors.
- E. Shoring, bracing and structural lifting.
- F. Adhesives.

1.02 REFERENCE STANDARDS

- A. MIL-V-13518C(1) Wood Preservative: Tetrachlorophenol and Pentachlorophenol, Surface Sealing Compound.
- B. AWWA – American Wood Protection Association
- C. DOC PS 20 — American Softwood Lumber Standard, 2005.
- D. NDS — National Design Specification for Wood Construction, 2001 Edition.
- E. IBC – International Building Code, 2006 Edition.
- F. SPIB – Southern Pine Inspection Bureau, Grading Rules, 2002.

1.03 QUALITY ASSURANCE

- A. Rough Carpentry Lumber: Visible grade-mark of mill licensed by SPIB.
- B. Lumber grading rules and wood species shall be in conformance with PS 20. Materials furnished under this section shall comply with the grading rules of SPIB.
- C. Identify all lumber by the mark of an approved testing and grading agency.
- D. Testing: ASTM E-84, maximum 25 flame spread rating.
- E. Preservative-treated products where specified shall be treated in accordance with AWWA Standard U1 to the requirements specified on the Drawings. If none are noted on the drawings, use Category UC3 is required.

1.04 SUBMITTALS

- A. Certification by preservative-treating plant stating conformance with AWWPA standards.
- B. Certification that all fasteners and anchors meet or exceed the requirements of the IBC.
- C. Data sheets for all manufactured connectors and specialty items.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Do not deliver shop fabricated carpentry items until site conditions are adequate to receive the work.
- B. Protect items from weather and damage while in transit and storage at the site.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Lumber: PS 20; graded in accordance with established Grading rules:
 - 1. Non-structural: Standard grade (max. moisture content 15%).
 - 2. Structural joists: No. 2 grade (max. moisture content 19%).
 - 3. Posts and Beams: No. 2 grade (max. moisture content 19%).
 - 4. Subflooring: No. 2 grade (max. moisture content 14%).
- B. Nails, Spikes and Staples: Galvanized or corrosive-resistant finish:
 - 1. Unless more stringent requirements are noted in the Contract Documents, the size, type and quantity shall comply with the requirements of Table 2304.9.1 of the IBC.
- C. Bolts, Nuts, Washers, Lags, Pins, and Screws: Medium carbon steel; sized to suit application; galvanized or corrosive-resistant finish.
- D. Fasteners: Toggle bolt type for anchorage to hollow masonry. Expansion shield and lag bolt type for anchorage to solid masonry or concrete. Bolts or power activated type for anchorage to steel. Galvanized or similar corrosive finishes – all locations.
- E. Joist hangers, hurricane clips and other metal connectors: U.N.O. in the Contract Documents, provide galvanized connectors suitable for the members connected.
 - 1. Approved manufacturers are: Simpson, USP and Fastenal.
- F. Metal and/or wood shoring, bracing, lifting devices and appurtenances.

2.02 WOOD TREATMENT

- A. Preservatives shall conform to AWWPA Standard U1.
- B. All pressure-treated members shall bear the quality mark of an AWWPA certified inspection agency that maintains continuing supervision, testing and inspection over the quality of the preservative-treated wood.

-
- C. Shop pressure treat and deliver to site ready for installation, wood materials requiring pressure impregnated preservatives.
 - D. Brush apply one coat of preservative treatment on wood with site-sawn ends. Allow preservative to cure prior to installing members.
 - E. All wood members (except subflooring) under this section shall be pressure treated.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Provide barricades and other safety appurtenances.
- B. Relocate and/or temporarily disconnect existing utilities, drains, etc. as required to perform the work.
- C. Provide temporary shoring and bracing at floor joists.

3.02 INSTALLATION

- A. Raise joists as required in order to provide finish floor elevation that matches the original finish floor. Finish Floor should be level with a tolerance of 1/4" per 10 feet.
- B. Install saddle joist pieces, ledger beams and posts as indicated on the Contract Drawings.

3.03 CLEANING

- A. Clean all debris from the work in this section – see Section 01710.

****END OF SECTION****

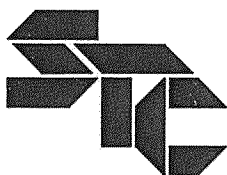
APPENDIX A

GEOTECHNICAL INVESTIGATION

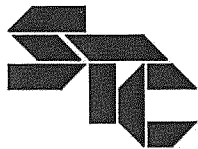
**Forensic/Geotechnical Investigation
Jackie Dole Sherrill Community Center
Hattiesburg, Mississippi**

Prepared For

**Neel-Schaffer, Inc.
Jackson, Mississippi
January 7, 2008**



SOILTECH CONSULTANTS, INC.
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERING



SOILTECH CONSULTANTS, INC.
Geotechnical and Environmental Engineering

230 Highpoint Drive
Ridgeland, Mississippi 39157
Post Office Box 12466
Jackson, Mississippi 39236
(601) 952-2995 / (601) 952-2944 fax

January 7, 2008

Neel-Schaffer, Inc.
Post Office Box 22625
Jackson, Mississippi 39225-2625

Report No. 1653.01

Attention: Mr. Jeff Laird, P.E.

Re: Forensic/Geotechnical Investigation
Jackie Dole Sherrill Community Center
220 West Front Street
Hattiesburg, Mississippi

Gentlemen:

Submitted herein is a report of our investigation of soil and foundation conditions for the Jackie Dole Sherrill Community Center located at 220 West Front Street in Hattiesburg, Mississippi. The purpose of this investigation was to determine the foundations soils on which the structure was constructed, the location of the water table, the possible causes of movement of the structure and remedial options. This report was authorized by Mr. Jeff Laird P. E. on November 14, 2007.

Based on the information obtained in this study, the cause of movement of the structure appears to be settlement. Water intrusion into the basement is likely caused by high stages of the adjacent creek permeating the sandy pervious foundation soils. Details of our finding and recommendations are included in the body of this report.

We appreciate the opportunity of providing services to you. If we can answer any questions or provide additional information, please call.

Very truly yours,
SoilTech Consultants, Inc.

Charles R. Furlow, P. E.

Copies Submitted: (4)

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FIGURES

Boring Location Map

APPENDIX A

Graphical Boring Logs

Symbols and Soil Classifications

**Forensic/Geotechnical Investigation
Jackie Dole Sherrill Community Center
Hattiesburg, Mississippi**

1.0 INTRODUCTION

The Jackie Dole Sherrill Community Center is roughly T-shaped with maximum dimensions of 191 ft by 122 ft. The structure is one-story in height but has a basement. The facility is in excess of 40 years old. The basement of the facility showed signs of water intrusion while the exterior of the facility is experiencing some cracking, primarily in the brick facade. A Creek is located behind the facility.

1.1 Scope/Purpose

The purposes of the investigation reported herein were as follows:

- To determine soil conditions at the existing structure;
- To evaluate pertinent physical properties of the soils encountered; and
- After analyses of available field and laboratory data, to opinion as to the reasons for water intrusion, movement of the structure and possible remedial options.

2.0 FIELD INVESTIGATION

Subsurface conditions at the project site were investigated by means of 6 borings made at the locations shown generally on Figure 1. Three of the borings were advanced to a depth of 20-ft each and were located within the proposed building layout. One boring B-4 was terminated at a depth of 10 ft because of buried concrete and other rubble. This location was moved five times but could not be advanced to the planned terminal depth because of the buried debris. Boring 1 also encountered bricks, rubble, etc and had to be moved four times. The remaining two borings were terminated at a depth of 25 ft each. All borings were advanced by a tractor-mounted drill rig utilizing machine auger drilling techniques. Graphical logs of the borings showing the types of soils encountered are presented in Appendix A. Symbols and soil classifications used in the graphical boring logs are also presented in Appendix A.

Soil Sampling. Relatively undisturbed samples of the cohesive soils encountered in the 20-ft borings were taken by pushing a 3-in. OD thin-wall Shelby tube sampler a distance of approximately 2-ft into the soils with hydraulic cylinders on the drill rig (ASTM D 1587). Depths at which these samples were taken are indicated by shaded portions in the "Samples" column of the boring logs. After the Shelby tube was recovered from a boring, the sample was carefully extruded in the field and examined visually. One representative portion of each sample was selected and sealed with melted paraffin in a cylindrical cardboard container to prevent loss of moisture and to protect the sample during transportation to the laboratory. Another portion of each undisturbed sample was also selected and sealed in a plastic jar for ease in subsequent visual examination.

Disturbed samples of sands and other near-cohesionless soils encountered in the borings were obtained by driving an ASTM standard 2-in. OD split-spoon sampler a distance of 18-in. into the soils with a 140-lb hammer falling a distance of 30-in. (ASTM D 1586). This sampling procedure is referred to as the Standard Penetration Test. Depths at which the split-spoon samples were taken are indicated by crossed-slashes in the "Samples" column of the boring logs. The number of blows (N-value) required to drive the sampler the final 12-in. of penetration is recorded at the corresponding depth in the "Field Tests Results" column of the boring logs. Also shown are the blow counts required to drive the sampler for each 6-in. increment. Representative portions of each split-spoon sample were selected and sealed in plastic jars to prevent loss of moisture.

Piezometers

Piezometers were installed at the locations of Borings B-1, B-3 and B-5. The piezometers consisted of 5 ft long 2 in diameter pvc screens attached to 2 in pvc risers. The purpose of the piezometers was to establish groundwater levels more accurately around the building.

3.0 LABORATORY INVESTIGATION

The engineering properties considered pertinent for this study are soil shear strength, compressibility and shrink-swell potential. These engineering properties were determined by means of tests completed in our laboratory. Laboratory tests completed for this study includes natural moisture content, visual classification, and 200 washes. These tests were performed in accordance with recognize ASTM standards and procedures. The laboratory tests are discussed in the following paragraphs.

3.1 Index Properties

Moisture Contents. A total of 16 natural moisture content tests and visual classifications were performed to verify field classifications for consistency in soil type and to extend the usefulness of shear strength data. The results of these additional moisture content tests are also presented in the "Laboratory Data" section of the boring logs. Results of the visual classifications were utilized in the development of the "Description of Material" section in the graphical boring logs.

No. 200 Washes. In order to further classify the soil types, 9 selected soil samples were washed over the No. 200 sieve to determine the percent of fine particles in the sample. Soils passing through the No. 200 sieve are considered to be fine particles (clays and silts). Results of the No. 200 washes are presented as percent fines in the data section of the boring logs.

4.0 SUBSURFACE CONDITIONS

The soil conditions within the depths explored at the boring locations consist of silty sands, clayey sands and sands. The general soil and groundwater conditions encountered at the project site and the engineering properties of the soils are discussed in the following paragraphs.

4.1 Soil Conditions

The near surface soils at the location of the borings are very loose to medium dense silty sands and clayey sands (Unified Soil Classification – SM/SC). These materials extend to the terminal depth of Borings 3 through 6. Standard penetration tests performed within these materials yielded blow counts (N) varying from 2 blows per ft to 17 blows per ft. The moisture content of these materials range from 8% to 17%. Materials passing the No. 200 Sieve ranged from 13.9% to 59.2%. These materials are considered to be non expansive, but will consolidate (settle) under load.

Below the silty sands and clayey sands at the location of Borings 1 and 2 are medium dense sands (SP). Standard penetration tests performed within this formation yielded blow counts (N) varying from 8 blows per ft to 14 blows per ft. These materials were encountered at a depth of 14 ft and continued to the 20 ft terminal depth of Boring 1 and 25 ft terminal depth of boring 2. These materials are considered to be non expansive but will consolidate (settle) under loads.

4.2 Groundwater Conditions

Groundwater conditions at the project site were determined by observing water levels in the machine auger portion of the borings and in the three piezometers that were installed. Groundwater was not observed in Boring B-4. Within the other five borings, groundwater was observed at depths varying from 13 ft to 16 ft. Notes pertaining to groundwater level observations are presented in the lower left portion of each graphical boring log. Proper note should be taken that groundwater conditions will fluctuate seasonally with variations in the creek level rainfall, temperature and other environmental factors.

Piezometric levels measured on January 7, 2008 are as follows:

Piezometer No.	Depths Below Grade
P-1	13.4 ft
P-2	12.1 ft
P-5	11.6 ft

5.0 ANALYSES AND CONCLUSIONS

- Water intrusion into the basement of the structure is likely the result of high water stages in the adjacent creek transmitted through the silty sands and sands directly to the basement walls. These walls should be water proofed in order to prevent water intrusion in the future. ←
- Movement of the structure appears to be the result of settlement. Silty sands and sands will settle under load causing distress in the structure. Also, water migrating from the existing creek will cause consolidation of the loose sands. Necessary repairs could be made by lifting the areas that have settled and providing additional support. A floor level survey is recommended to determine the amount of differential movement in the areas that may need lifting and or additional support. ←

6.0 REPORT LIMITATIONS

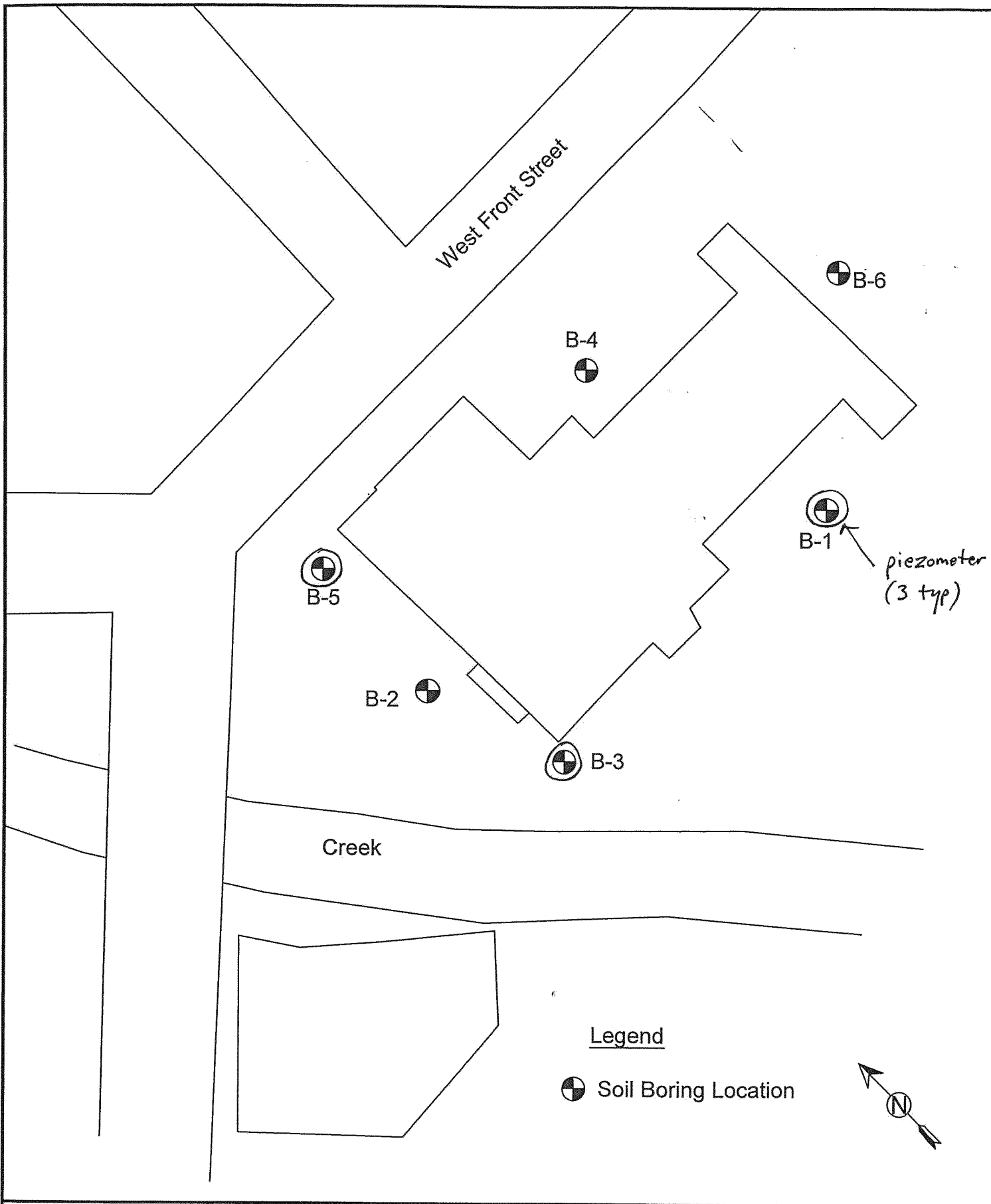
The borings made for this report were located in the field by measurements from existing features shown on your site plan. Elevations of the borings were not determined. The locations and elevations of the borings should therefore be considered accurate only to the degree implied by the methods used in their determination. The boring logs shown in this report contain information related to the types of soils encountered at specific locations and times and show lines delineating the interface between these materials, as well as results of laboratory tests performed on representative samples. The logs also contain our field representative's interpretation of soil conditions that are believed to exist in those depth intervals between the actual samples taken. Therefore, the boring logs contain both factual and interpretative information. It is not warranted that the logs are representative of subsurface conditions at other locations and times.

With regard to groundwater conditions, this report presents data on groundwater levels as they were observed during the course of the field work. In particular, water level readings have been made in the borings and piezometers at the times and under conditions stated in the text of this report and on the boring logs. It should be noted that fluctuations in the groundwater level can

occur with passage of time due to variations in rainfall, the adjacent creek levee, temperature and other factors.

The analyses, conclusions and recommendations contained in this report are based on site conditions as they existed at the time of our field investigation and further on the assumption that the exploratory borings are representative of the subsurface conditions throughout the site, that is, that the subsurface conditions everywhere are not significantly different from those disclosed by the borings at the time they were completed. If during remediation, different subsurface conditions from those encountered in our borings are observed, we must be advised promptly so that we can review these conditions and reconsider our recommendations where necessary.

This report has been prepared for the exclusive use of Neel-Schaffer, Inc. for analyses and possible remediation of the foundation elements for the proposed structure. The only warranty made by us in connection with the services provided is that we have used that degree of care and skill ordinarily exercised under similar conditions by reputable members of our profession practicing in the same or similar locality. No other warranty, expressed or implied, is made or intended.



GEOTECHNICAL INVESTIGATION
JACKIE DOLE SHERRILL
COMMUNITY CENTER
HATTIESBURG, MISSISSIPPI



SOILTECH CONSULTANTS, INC
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERING
Ridgeland, Mississippi

SOIL BORING LOCATIONS

Drawn By: A.P.W.
Checked By: C.R.F.

Date:
1-09-08

Scale:
N.T.S.

FIGURE 1

SOIL BORING LOG

PROJECT: Geotechnical Investigation
 Jackie Dole Sherrill
 Community Center
 Hattiesburg, Mississippi
 CLIENT: Neel-Schaffer, Inc.
 Jackson, Mississippi

No. B-1
 SHEET 1 OF 1

PROJECT NO.: 1653.01
 DATE: 12/17/07
 DRILLER: J. Ray
 TECHNICIAN: M. Huff
 ENGINEER: C. Furlow

Location: See Figure 1

LABORATORY DATA

Depth (ft)	Symbol	Samples	DESCRIPTION OF MATERIAL	Field Test Results	Undrained Shear Strength (ksf)	Moisture Content	Unit Weight (pcf)		Plasticity Index	Cohesion / Δ Triaxial (ksf)		% Passing No. 200
							Moist	Dry		PL	MC% LL	
			Surface Elevation:									
			Very loose black and white silty sand (SM)	4 b/f 2-2-2		11						59.2
5			- tan, white, brown, clayey silt with fine sand seam 4' - 6'	4 b/f 2-2-2		17						
10			- loose 8' to 13'	8 b/f 1-2-6								
15			- red and tan from 12' to 13' - white and black below 13'									
			Medium dense tan and light gray sand (SP)	11 b/f 4-5-6								
			- slightly silty - with organics									
20			- white, coarse sand with gravel below 18'	10 b/f 5-5-5								

Terminal Depth at 20.0 ft

Groundwater Observations

Advancement Method

Notes

Groundwater encountered at 13'
 No rise observed after 30 minutes

0 - 20 ft: Machine Auger

Abandonment Method

Boring backfilled with soil cuttings

SoilTech Consultants, Inc.

SOIL BORING LOG 1653-JACKIE DOLE SHERRILL COMMUNITY CENTER.GPJ GEOTECHNICAL TEMPLATE.GDT 12/20/07

SOIL BORING LOG

PROJECT: Geotechnical Investigation
 Jackie Dole Sherrill
 Community Center
 Hattiesburg, Mississippi
 CLIENT: Neel-Schaffer, Inc.
 Jackson, Mississippi

No. B-2
 SHEET 1 OF 1

PROJECT NO.: 1653.01
 DATE: 12/17/07
 DRILLER: J. Ray
 TECHNICIAN: M. Huff
 ENGINEER: C. Furlow

Location: See Figure 1

LABORATORY DATA

Depth (ft)	Symbol	Samples	DESCRIPTION OF MATERIAL	Field Test Results	Undrained Shear Strength (ksf)	Moisture Content	Unit Weight (pcf)		Plasticity Index	Cohesion / Δ Triaxial (ksf)				% Passing No. 200
							Moist	Dry		PL	MC%	LL		
			Surface Elevation:						PI					
			Medium dense tan and black silty sand (SM) - with gravel	10 b/f 7-5-5		9								23.2
5			- loose 4' to 8' - red, tan, white, and slightly clayey below 4'	5 b/f 2-3-2		8								
10			- black and white with gravel traces below 8' - light gray, gray, and tan below 11'	10 b/f 2-4-6		10								
15			Medium dense light gray and gray sand (SP) - slightly silty	13 b/f 3-4-9										
20			- coarse with gravel 18' - 20'	14 b/f 6-6-8										
25			- loose below 23'	8 b/f 3-4-4										

Terminal Depth at 25.0 ft

Groundwater Observations

Advancement Method

Notes

Groundwater encountered at 13'
 No rise observed after 30 minutes

0 - 25 ft: Machine Auger

Abandonment Method

Boring backfilled with soil cuttings

SoilTech Consultants, Inc.

SOIL BORING LOG

PROJECT: Geotechnical Investigation
 Jackie Dole Sherrill
 Community Center
 Hattiesburg, Mississippi
 CLIENT: Neel-Schaffer, Inc.
 Jackson, Mississippi

No. B-3
 SHEET 1 OF 1

PROJECT NO.: 1653.01
 DATE: 12/17/07
 DRILLER: J. Ray
 TECHNICIAN: M. Huff
 ENGINEER: C. Furlow

Location: See Figure 1

LABORATORY DATA

Depth (ft)	Symbol	Samples	DESCRIPTION OF MATERIAL	Field Test Results	Undrained Shear Strength (ksf)	Moisture Content	Unit Weight (pcf)		Plasticity Index	O Cohesion / Δ Triaxial (ksf)		% Passing No. 200
							Moist	Dry		PL	MC% LL	
			Surface Elevation:									
5			Loose red and tan silty clayey sand (SM-SC)	5 b/f 3-2-3		12						33.2
			- gray, white, and tan below 5.5'	8 b/f 4-4-4		11						
10			Loose gray, white, and red silty fine sand (SM)	5 b/f 3-2-3		11						13.9
			- slightly clayey									
15			- medium dense, gray, and with gravel below 12'	10 b/f 3-5-5								
20				14 b/f 7-7-7								
25			- loose below 23'	9 b/f 3-4-5								

Terminal Depth at 25.0 ft

Groundwater Observations

Groundwater encountered at 13'
 No rise observed after 30 minutes

Advancement Method

0 - 25 ft: Machine Auger

Abandonment Method

Boring backfilled with soil cuttings

Notes

SoilTech Consultants, Inc.

SOIL BORING LOG 1653.JACKIE DOLE SHERRILL COMMUNITY CENTER.GPJ GEOTECHNICAL TEMPLATE.GDT 12/20/07

SOIL BORING LOG

PROJECT: Geotechnical Investigation
 Jackie Dole Sherrill
 Community Center
 Hattiesburg, Mississippi
 CLIENT: Neel-Schaffer, Inc.
 Jackson, Mississippi

No. B-4
 SHEET 1 OF 1

PROJECT NO.: 1653.01
 DATE: 12/17/07
 DRILLER: J. Ray
 TECHNICIAN: M. Huff
 ENGINEER: C. Furlow

Location: See Figure 1

LABORATORY DATA

Depth (ft)	Symbol	Samples	DESCRIPTION OF MATERIAL	Field Test Results	Undrained Shear Strength (ksf)	Moisture Content	Unit Weight (pcf)		Plasticity Index	O Cohesion / Δ Triaxial (ksf)		% Passing No. 200
							Moist	Dry		PL	MC% LL	
			Surface Elevation:						PI			
			Loose gray, tan, and light gray silty clayey sand (SM-SC) - with gravel	9 b/f 5-4-5		9						
5			- very loose below 4'	4 b/f 2-2-2		13						22.9
10			- tan, gray, and red below 8'	4 b/f 2-2-2		17						

Terminal Depth at 10.0 ft

Groundwater Observations

Advancement Method

Notes

No groundwater encountered

0 - 10 ft: Machine Auger

Abandonment Method

Boring backfilled with soil cuttings

SoilTech Consultants, Inc.

SOIL BORING LOG 1653.JACKIE DOLE SHERRILL COMMUNITY CENTER.GPJ GEOTECHNICAL TEMPLATE.GDT 12/20/07

SOIL BORING LOG

PROJECT: Geotechnical Investigation
 Jackie Dole Sherrill
 Community Center
 Hattiesburg, Mississippi
 CLIENT: Neel-Schaffer, Inc.
 Jackson, Mississippi

No. B-5
 SHEET 1 OF 1

PROJECT NO.: 1653.01
 DATE: 12/17/07
 DRILLER: J. Ray
 TECHNICIAN: M. Huff
 ENGINEER: C. Furlow

Location: See Figure 1

LABORATORY DATA

Depth (ft)	Symbol	Samples	DESCRIPTION OF MATERIAL	Field Test Results	Undrained Shear Strength (ksf)	Moisture Content	Unit Weight (pcf)		Plasticity Index	Cohesion / Δ Triaxial (ksf)		% Passing No. 200
							Moist	Dry		PL	MC% LL	
			Surface Elevation:									
			Very loose gray and tan silty sand (SM) - slightly clayey with gravel	2 b/f 3-1-1								
5			- loose 4' - 8'	8 b/f 3-5-3		15						28.4
10				2 b/f 3-1-1		12						10.4
15			- medium dense 13' - 18' - slightly clayey and with gravel below 13'	12 b/f 5-6-6								
20				8 b/f 4-5-3								

Terminal Depth at 20.0 ft

Groundwater Observations

Advancement Method

Notes

Groundwater encountered at 13'
 No rise observed after 30 minutes

0 - 20 ft: Machine Auger

Abandonment Method

Boring backfilled with soil cuttings

SoilTech Consultants, Inc.

SOIL BORING LOG

PROJECT: Geotechnical Investigation
 Jackie Dole Sherrill
 Community Center
 Hattiesburg, Mississippi
 CLIENT: Neel-Schaffer, Inc.
 Jackson, Mississippi

No. B-6
 SHEET 1 OF 1

PROJECT NO.: 1653.01
 DATE: 12/18/07
 DRILLER: J. Ray
 TECHNICIAN: J. Kelly
 ENGINEER: C. Furlow

Location: See Figure 1

LABORATORY DATA

Depth (ft)	Symbol	Samples	DESCRIPTION OF MATERIAL	Field Test Results	Undrained Shear Strength (ksf)	Moisture Content	Unit Weight (pcf)		Plasticity Index	O Cohesion / Δ Triaxial (ksf)				% Passing No. 200
							Moist	Dry		O Cohesion / Δ Triaxial (ksf)				
										PL	MC%	LL		
			Surface Elevation:						PI					
			Medium dense tan and light gray silty fine sand (SM) - with gravel to 6'	12 b/f 6-7-5		14								
5			- loose 4' - 8'	4 b/f 3-3-1		14								42.5
10				10 b/f 3-4-6										
15			- medium coarse sand with pea gravel below 16'	15 b/f 5-6-9		17								16.0
				17 b/f 7-10-7										

Terminal Depth at 20.0 ft

Groundwater Observations

Groundwater encountered at 16'
 No rise observed after 30 minutes

Advancement Method

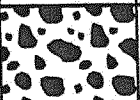
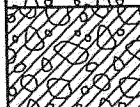
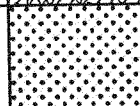
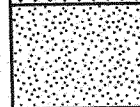
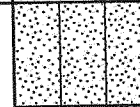
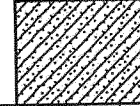
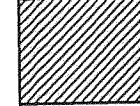
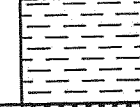
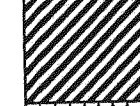
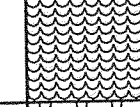
0 - 20 ft: Machine Auger

Abandonment Method

Bottom back-filled with soil cuttings

Notes

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS	
			GRAPH	LETTER		
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES	
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES	
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES	
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES	
		CLEAN SANDS (LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES	
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES	
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SC	CLAYEY SANDS, SAND - CLAY MIXTURES	
		FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
					CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
	OL			ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY		
SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS		
			CH	INORGANIC CLAYS OF HIGH PLASTICITY		
			OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS		
			PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS		
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS	

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

GENERAL NOTES:

1. NEEL-SCHAFER, INC., HEREINAFTER REFERRED TO AS THE ENGINEER, HAS PREPARED AND FURNISHED THESE DRAWINGS TO THE OWNER FOR USE ON THIS PROJECT ONLY. THESE DRAWINGS SHOULD NOT BE USED ON EXTENSIONS OF THIS PROJECT OR ON ANY OTHER PROJECT. ANY REUSE OF THESE DRAWINGS, 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.
2. SECTIONS AND DETAILS – ALL DETAILS, SECTIONS AND NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR SITUATIONS ELSEWHERE UNLESS OTHERWISE SHOWN.
3. ELECTRONIC DRAWINGS INDEMNIFICATION

A. ELECTRONIC DRAWINGS MAY BE PROVIDED TO THE CONTRACTOR AS A COURTESY TO ASSIST THE CONTRACTOR IN THE WORK. SUCH ELECTRONIC DRAWINGS MAY BE SUSCEPTIBLE TO ERRONEOUS DATA DURING TRANSMISSION AND/OR RECEIPT AND AS SUCH ARE NOT RELIABLE AND NOT CONSIDERED PART OF THE CONTRACT DOCUMENTS. IF PROVIDED, THE CONTRACTOR AGREES TO USE THE ELECTRONIC FILES AT HIS OWN RISK.

B. THE ELECTRONIC FILES ARE INTENDED FOR ONE-TIME USE IN THE WORK OF THIS PROJECT. THEY ARE AND SHALL REMAIN THE PROPERTY OF THE ENGINEER.

C. THE CONTRACTOR AGREES, TO THE FULLEST EXTENT OF THE LAW, TO HOLD HARMLESS AND INDEMNIFY THE ENGINEER FROM AND AGAINST ALL CLAIMS, LIABILITIES, LOSSES, DAMAGES, AND COSTS, INCLUDING BUT NOT LIMITED TO REASONABLE ATTORNEY FEES, ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE USE AND THE MODIFICATION (UNINTENTIONAL OR OTHERWISE), MISINTERPRETATION, MISUSE OR REUSE OF ANY ELECTRONIC DRAWINGS PROVIDED BY THE ENGINEER UNDER THIS CONTRACT.
4. REFER TO EXISTING DRAWINGS BY LANDRY & MATTHEWS ADDITIONAL INFORMATION, AN ELECTRONIC COPY OF THESE ORIGINAL DRAWINGS MAY BE PROVIDED UPON REQUEST, THESE DRAWINGS HAVE NOT BEEN VERIFIED IN ANY MANNER, THUS THE CONTRACTOR IS CAUTIONED TO USE AT HIS/HER OWN RISK.
5. BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS TO PROPERLY SIZE OR FIT THE WORK. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED BY THE OWNER RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.
6. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH AFFECTED WORK.
7. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF DAMAGE TO ANY EXISTING BUILDING OR SITE ITEMS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, THE BUILDING STRUCTURE, MECHANICAL/HVAC/PLUMBING WORK, DRAINAGE, ELECTRICAL EQUIPMENT, UTILITIES, PAVEMENT, BRICK PAVERS, SIGNAGE, METERS, CURBS, LANDSCAPING, ETC. REPAIRS TO DAMAGED ARCHITECTURAL FINISHES (EXCEPT AS SPECIFICALLY EXCLUDED IN THE CONTRACT DOCUMENTS) SHALL ALSO BE MADE AT NO COST TO THE OWNER. ALL SUCH REPAIRS SHALL BE EQUAL TO OR BETTER THAN THE EXISTING CONDITIONS PRIOR TO THE BEGINNING OF THE WORK. FINAL REPAIRS ARE SUBJECT TO OWNER'S APPROVAL.
8. IT MAY BE NECESSARY FOR THE CONTRACTOR TO DEWATER EXCAVATIONS AND CONSTRUCT TEMPORARY DIKES AND DIVERSION DITCHES IN ORDER TO CONSTRUCT PORTIONS OF THE WORK INCLUDED IN THIS CONTRACT. COST OF DEWATERING AND TEMPORARY DRAINAGE SHALL BE ABSORBED IN OTHER ITEMS.
9. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BRACING, SHORING, OR ANY SUPPORT SYSTEM THAT IS DEEMED NECESSARY TO PREVENT A FAILURE FROM OCCURRING DURING THE WORK. ALL COSTS FOR ANY PROTECTIVE MEASURES INCLUDING THE MATERIALS AND LABOR, FOR DESIGNING, DRAWING, AND CONSTRUCTING THE FACILITY, SHALL BE INCLUDED IN THE BID PRICE FOR CONTRACT ITEMS.
- 10.CONTRACTOR SHALL OBTAIN & PAY FOR ALL CONSTRUCTION PERMITS REQUIRED TO ACCOMPLISH THE WORK.

CONTRACTOR'S CONSTRUCTION TIME

1. CONTRACTOR SHALL COORDINATE THE WORK WITH THE OWNER IN ORDER TO MINIMIZE THE DISRUPTION OF THE FACILITY OPERATIONS.
2. THE CONTRACTOR SHALL SUBMIT A PROPOSED CONSTRUCTION SCHEDULE TO THE ENGINEER FOR APPROVAL ONE (1) WEEK AFTER RECEIVING BID AWARD NOTIFICATION.

DESIGN CRITERIA:

1. GENERAL BUILDING CODE: INTERNATIONAL EXISTING BUILDING CODE, 2006 EDITION

A. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE IEBC '06.

B. NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 2005 EDITION.

C. THE OTHER CODES AND STANDARDS REFERENCED IN THE IBC '06 AND IN THE STRUCTURAL DRAWINGS SHALL BE CONSIDERED PART OF THE REQUIREMENTS OF THE CONTRACT DOCUMENTS TO THE PRESCRIBED EXTENT OF EACH REFERENCE.
2. LIVE LOADS:

A. UNIFORM (REF. EXISTING DWG. 723-195) 75 PSF

TRAFFIC CONTROL:

1. IF REQUIRED BY A.H.J., SUBMIT TRAFFIC CONTROL PLAN TO THE E.O.R. FOR APPROVAL.
2. PLACE CONSTRUCTION SIGNS, FENCING, AND REFLECTORIZED FREE STANDING DRUMS PER APPROVED PLAN.
3. CONTRACTOR SHALL COORDINATE HIS WORK SO THAT ACCESS REMAINS TO ALL ADJACENT BUILDINGS THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL PROVIDE ADA ACCESSIBLE PATH AND CROSSWALKS THROUGHOUT THE DURATION OF THE PROJECT.
4. ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
5. ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
6. FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED ON THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.

EROSION CONTROL

1. AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK AND MAINTAIN THE PLAN DURING CONSTRUCTION. COST OF DEVELOPING THE EROSION CONTROL PLAN SHALL BE ABSORBED. THE CONTRACTOR MAY NOT MOBLIZE OR BEGIN WORK ON THE PROJECT SITE UNTIL THE EROSION CONTROL PLAN HAS BEEN APPROVED.
2. CONTRACTOR SHALL CONDUCT INSPECTIONS OF EROSION CONTROL MEASURES WEEKLY AND BEFORE AND AFTER RAIN EVENTS. THESE INSPECTIONS SHALL BE DOCUMENTED AND COPIES OF THE EROSION CONTROL PLAN AND ALL INSPECTION REPORTS SHALL BE MAINTAINED ON THE PROJECT SITE.
3. THE EROSION CONTROL DEVICES SHALL MEET THE MINIMUM STANDARDS AS REQUIRED BY THE AHJ. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT THE SILT DOES NOT LEAVE THE PROJECT SITE OR CONTAMINATE WATER OF THE U.S. DURING CONSTRUCTION.

DEMOLITION:

1. ALL DEMOLITION WORK WILL BE PER OSHA AND IBC REQUIREMENTS; ANY HAZARDOUS MATERIALS DEMOLITION AND DISPOSAL COSTS SHALL BE ABSORBED. PROVIDE SHORING AND BRACING PER NOTES AS REQUIRED.
2. CONCRETE DEMOLITION (AS REQUIRED TO PROSECUTE THE WORK):

A. SAW CUT EXISTING FLOOR SLAB.

B. SAW CUT EXTERIOR SIDEWALKS AT NEAREST JOINT.

C. SAW CUT SITE PAVING AT NEAREST JOINT, OR AT NEAREST SIGNIFICANT PAVEMENT CRACK, OR AS REQUIRED BUT NOT LESS THAN 2'-0" FROM NEAREST JOINT OR SIGNIFICANT CRACK.
3. LANDSCAPING REMOVED THAT IS RE-INSTALLED SHALL BE WARRANTIED FOR ONE (1) YEAR AFTER PROJECT CLOSEOUT.
4. EXISTING DRAINS & METERS SHOWN ARE APPROXIMATE IN LOCATIONS & INCOMPLETE IN EXTENTS.
5. OWNER RETAINS FIRST RIGHT OF REFUSAL FOR ALL DEMOLISHED/REMOVED ITEMS.
6. REMOVE ALL DEBRIS RESULTING FROM WORK.

UTILITIES:

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON EXISTING DESIGN DRAWINGS. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING MISSISSIPPI-811 (1-800-227-6477) TO VERIFY ALL EXISTING UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES TO REMAIN AND FOR ALL INTERRUPTIONS CAUSED BY A RESULT OF HIS WORK.
3. EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CAN NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.

LANDSCAPE:

1. WARRANT SHRUBS AND GROUND COVER TO GROW AND BE HEALTHY FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE. ANY PLANTS FOUND TO BE DEAD, MISSING, OR IN POOR CONDITION DURING THE MAINTENANCE PERIOD SHALL BE REPLACED IMMEDIATELY AT NO COST TO THE OWNER. THE ENGINEER SHALL BE THE SOLE JUDGE AS TO THE CONDITION OF MATERIAL. MATERIAL TO BE REPLACED WITHIN THE GUARANTEE PERIOD SHALL BE REPLACED BY THE CONTRACTOR WITHIN 15 DAYS AFTER WRITTEN NOTIFICATION BY THE ENGINEER. THE ENGINEER MAY AT HIS DISCRETION EXTEND THE MAINTENANCE PERIOD IF HE DETERMINES THE ABOVE AS A DETRIMENTAL EFFECT ON THE PROJECT.
2. IMMEDIATELY AFTER PLANTING, APPLY WATER TO GROUNDCOVER AND SHRUBS IN THE PLANTING BASINS UNTIL THE MATERIAL ABOVE THE ROOTS IS COMPLETELY SATURATED FROM THE BOTTOM TO THE TOP. APPLY WATER IN SUCH QUANTITIES, AND AT SUCH INTERVALS, AS REQUIRED TO KEEP THE GROUND MOIST AT ALL TIMES WELL BELOW THE ROOT SYSTEM OF GRASS AND OTHER PLANTING.
3. EXISTING LANDSCAPE TO REMAIN, MAY BE REMOVED AND REPLACED IN KIND IN ORDER TO ACCOMODATE CONSTRUCTION. LANDSCAPING TO REMAIN SHALL BE PROTECTED TO THE GREATEST EXTENT PRACTICABLE. DAMAGED LANDSCAPING SHALL BE REPLACED IN KIND AT NO COST TO THE OWNER.

FOUNDATION:

1. FOUNDATION REMEDIATION IS BASED ON THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT PREPARED BY SOILTECH CONSULTANTS, DATED JANUARY 7, 2008.
2. THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD DIFFERENT TO THOSE ASSUMED FOR DESIGN.
3. ALL SITE PREPARATION, EXCAVATION & SELECT FILL IS TO BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT.
4. CENTERLINE OF FOOTINGS SHALL COINCIDE WITH CENTERLINE OF WALLS AND COLUMNS UNLESS NOTED ON DRAWINGS.

CONCRETE:

1. ALL CONCRETE WORK SHALL CONFORM TO THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-05) AND AS MODIFIED BY IBC, AND TO THE GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION, ACI 302.1R-04.
2. CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS: 3000 PSI.
3. CONCRETE MIX DESIGNS:

A. PORTLAND CEMENT PER ASTM C150

B. TYPE II WITH C A < 7.5% OF TOTAL CEMENT CONTENT

1) CEMENTITIOUS CONTENT 560 PCY (MIN.)

2) WATER-CEMENT RATIO 0.44 (MAX, BY WEIGHT)

3) AIR-ENTRAINMENT RATION 3.5 TO 5.0%

4) SLUMP 3-5 IN.

C. COARSE AGGREGATE PER ASTM C33 WITH GRADING PER TAB. 2

D. FINE AGGREGATE PER ASTM C33

E. ADMIXTURES SHALL BE FREE OF CHLORIDES & ALKAUIS (EXCEPT THAT ATTRIBUTABLE TO POTABLE WATER). ADMIXTURES SHALL BE FROM SAME MANUFACTURER & SHALL BE COMPATIBLE WITH CONCRETE MIX.

1) AIR-ENTRAINING ADMIXTURE SHALL BE PER ASTM C260

2) WATER-REDUCING ADMIXTURE SHALL BE PER ASTM C494, TYPE A.

3) HIGH-RANGE WATER-REDUCER SHALL BE PER ASTM C494, TYPE F.

F. POZZOLAN (FLY ASH) SHALL BE CLASS C OR CLASS F PER ASTM C618 & LOI 3% MAX.

G. COLD WEATHER INSTALLATION PER ACI 306R.

H. HOT WEATHER INSTALLATION PER ACI 350R.
4. ALL CONCRETE PLACED SHALL BE VIBRATED WITH MECHANICAL VIBRATORS.
5. REINFORCING SHALL CONFORM TO ASTM A615, AND SHALL BE GRADE 60.
6. MINIMUM CONCRETE COVERAGE TO REINFORCING SHALL CONFORM TO REQUIREMENTS IN ACI 318.
7. PROVIDE ALL NECESSARY REINFORCING STEEL ACCESSORIES TO HOLD BARS IN PROPER POSITION.
8. WHERE NOT SPECIFICALLY COVERED, REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI STANDARD 315.
9. PROVIDE CORNER BARS OF THE SAME SIZE AND NUMBER AS HORIZONTAL BARS AT ALL CORNERS AND T-INTERSECTIONS.
- 10.UNLESS NOTED OTHERWISE, LAP ALL BARS AT CORNERS, SPICES, AND INTERSECTIONS IN ACCORDANCE WITH CURRENT ACI 318 AND CRSI REQUIREMENTS. ALL HOOKS SHOWN IN REINFORCEMENT SHALL BE CRSI RECOMMENDED HOOKS UNLESS NOTED OTHERWISE.
- 11.FIELD WELDING OF REINFORCEMENT IS PROHIBITED (UNLESS PRIOR APPROVAL IS RECEIVED FROM THE ENGINEER).
- 12.WATERSTOPS SHALL BE RIBBED WITH CENTERBULB (SIZE AS INDICATED ON DETAILS), TYPE 701 BY GREENSTREAK (OR EQUIV.). INSTALL PER MFR'S RECOMMENDED INSTRUCTION. PROVIDE A MINIMUM OF 2" CONCRETE COVER.
- 13.INTERIOR FINISH FLOOR FLATNESS & LEVELNESS PER ACI 302.1 & ASTM E1155:

A. COMPOSITE OVERALL LEVELNESS (F_L) 15

B. COMPOSITE OVERALL FLATNESS (F_P) 20
- 14.SUBMITTALS: CONCRETE MIX DESIGN, ADMIXTURE DATA SHEETS, AND ALL MFR-RELATED PRODUCTS & ITEMS FOR CONCRETE WORK.

WOOD:

1. LUMBER USED SHALL BE IDENTIFIED BY THE GRADE MARK OF A LUMBER GRADING OR INSPECTION AGENCY THAT HAS BEEN APPROVED BY AN ACCREDITATION AGENCY THAT COMPLIES WITH DOC PS 20.
2. WHERE DIMENSIONS OF LUMBER ARE SPECIFIED, THEY SHALL BE DEEMED TO BE NOMINAL DIMENSIONS U.N.O.
3. U.N.O. LUMBER SHALL BE S.Y.P. VISUALLY GRADED LUMBER OR TIMBER NO. 2, NON-DENSE (OR BETTER).
4. U.N.O. ON THE STRUCTURAL DRAWINGS, UTILIZE WOOD SCREWS OR THRU-BOLTS WHEN CONNECTING TO EXISTING FRAMING. NAILS/SPIKES ARE PROHIBITED WHEN FASTENING TO EXISTING FRAMING UNLESS APPROVED IN WRITING BY ENGINEER.
5. U.N.O. ALL FASTENERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
6. U.N.O. THE NUMBER AND SIZE OF FASTENERS SHALL NOT BE LESS THAN THAT SET FORTH IN IBC TABLE 2304.9.1 OR PER MFR'S MAXIMUM RECOMMENDATIONS, WHICHEVER IS GREATER.
7. MISC. STEEL CONNECTIONS NOT SPECIFICALLY NOTED:

A. ALL THRU-BOLTS SHALL BE ASTM A307 OR BETTER

B. OTHER PLATES SHALL BE ASTM A36 OR BETTER
8. ALL 2x AND 4x MEMBERS SHALL BE P.T. PER AWWA STANDARD U1 USE CATEGORY UC2. (PRESERVATIVE MAY BE INORGANIC BORON-SBX.)

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC 13TH EDITION.
2. ALL SHOP AND FIELD WELDING SHALL BE PERFORMED BY WELDERS QUALIFIED, AS DESCRIBED IN "AMERICAN WELDING SOCIETY'S STANDARD QUALIFICATION PROCEDURE" (AWS D.1.1), TO PERFORM THE TYPE OF WORK REQUIRED.
3. ALL WELDING FILLER METAL STRENGTH SHALL BE OF A NOMINAL TENSILE STRENGTH 70 KSI.
4. ALL WF SHAPES SHALL BE ASTM A992.
5. ALL PIPE SHALL BE ASTM A53 GR. B.
6. ANCHOR RODS SHALL BE ASTM F1554 (GR. 36).
7. OTHER STEEL SHALL BE ASTM A36 OR BETTER.
8. CONNECTIONS NOT SPECIFICALLY DETAILED SHALL BE OF SUFFICIENT CAPACITY TO FULLY DEVELOP THE CONNECTED MEMBERS.

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ABBREVIATIONS:

A.D.A – A.D.A ACCESSIBILITY GUIDELINES
A.F.F – ABOVE FINISH FLOOR
A/BOLT – ANCHOR BOLT
A/C – AIR CONDITIONER
ABV. – ABOVE
ADDL. – ADDITIONAL
AHU – AIR HANDLING UNIT
ALUM. – ALUMINUM
ANCH. – ANCHOR
APPROX. – APPROXIMATE
ARCH. – ARCHITECT,
ARCHITECTURAL DOCUMENTS
A/ROD – ANCHOR ROD
B/- – BOTTOM OF
B/PL – BASE PLATE
BEH. – BEHIND
BEY. – BEYOND
B'LO – BELOW
BLDG – BUILDING
BLK. – BLOCK
BM. – BEAM
BOT. – BOTTOM
BRDG. – BRIDGING
BRG. – BEARING
BRK. – BRICK
C## – COMPRESSION (FORCE)
C.J. – CONTROL JOINT
C.O. – CLEAN OUT
C.T. – CERAMIC TILE
C/C – CENTER TO CENTER
CH – CHANNEL
C.I.P. – CAST-IN-PLACE CONC.
CIVIL- CIVIL ENGINEER OR DOCUMENTS
CLG – CEILING
CLR – CLEAR
C/L – CENTERLINE
C.M.U. – CONCRETE MASONRY UNIT
COL – COLUMN
COMP. – COMPACTED
COMPR. – COMPRESSION
CONC. – CONCRETE
CONT. – CONTINUOUS
CONN. – CONNECTION
CONST. – CONSTRUCTION
CONTR. – GENERAL CONTRACTOR
CORR. – CORRUGATED, OR CORRIDOR
DB – DROP BEAM
D.S. – DOWN SPOUT
DEMO – DEMOLISH, DEMOLITION
DET – DETAIL
DIA, Ø – DIAMETER
DIAG. – DIAGONAL, DIAGRAM
DIM. – DIMENSION
DN. – DOWN
DP. – DEEP, DEPTH
D-TEE – PRECAST DOUBLE-TEE
DWG. – DRAWING
DWL – DOWEL
E. – EAST
E.E.W. – EMERGENCY EYE WASH
E.J. – EXPANSION JOINT
E.S. – EACH SIDE
E.W. – EACH WAY
EA. – EACH
ED. – EDITION
E.F. – EACH FACE
EL. – ELEVATION
E.O.R. – ENGR. OF RECORD
ELEC. – ELETRICAL ENGINEER OR DOCUMENTS
EMB. – EMBED, EMBEDMENT
EQ., – EQUAL
EQUIP – EQUIPMENT
EQUIV. – EQUIVALENT
E.T.F. – ELEVATION TOP OF FOOTING
EXIST. – EXISTING
EXP. – EXPANSION
EXT. – EXTERIOR
F.B. – FLUSH BEAM
F.E. – FIRE EXTINGUISHER
FFE – FINISH FLOOR ELEVATION
FIN. FL., F.F. – FINISH FLOOR
FIN. GR., F.G. – FINISH GRADE
F.H. – FIRE HYDRANT
F.S. – FAR SIDE

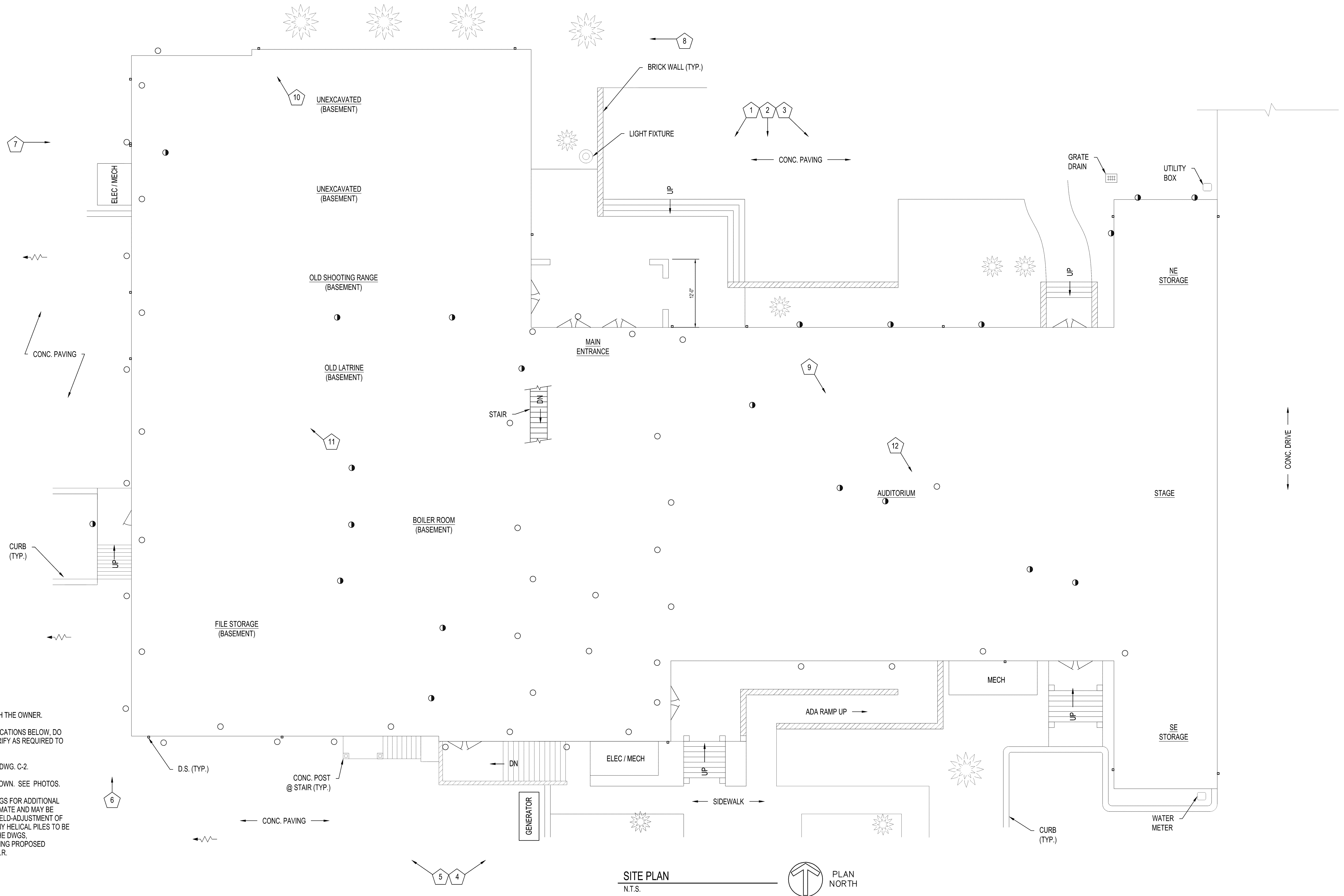
F/- – FACE OF
FD – FLOOR DRAIN
FDN. – FOUNDATION
FIG. – FIGURE
FIN. – FINISH
FLD. – FIELD
FLR. – FLOOR
FLSHG. – FLASHING
FLG. – FLANGE
FRMG. – FRAMING
FRP – FIBERGLASS REINFORCED PLASTIC
FT. – FEET/FOOT
FTG. – FOOTING
G.B., GB – GRADE BEAM, OR GYPSUM BOARD
GA. – GAUGE
GALV. – GALVANIZED
GC – GENERAL CONTRACTOR
GRDR. – GIRDER
GRTG. – GRATING
H, HD – HEAD, HEADED
HDWE – HARDWARE
HK – HOOK
H.M. – HOLLOW METAL
HORZ – HORIZONTAL
H.P. – HIGH POINT
H/R – HAND RAIL
HR. – HOUR
H.S. – HIGH STRENGTH
HSS – HOLLOW STRUCTURAL SECTION
HT. – HEIGHT
HTL. HIGH LEG TRACK
IBC – INTERNATIONAL BUILDING CODE
I.D. – INSIDE DIAMETER
IN. – INCH, INCHES
INCL – INCLUDE, INCLUDING
INFO. – INFORMATION
INS. – INSULATION
INT. – INTERIOR
JST. – JOIST
JG – JOIST-GIRDER
JT. – JOINT
K.B. – KNEE BRACE
K-FT – KIP-FEET
K/FT – KIPS PER FOOT
K – KIPS
L – ANGLE
LAM. – LAMINATE
L.A.T. – LAY-IN ACOUSTICAL TILE
LAV – LAVATORY
LG. – LONG
LLO – LONG LEG OUT
LLV – LONG LEG VERTICAL
LLH – LONG LEG HORIZONTAL
L.P. – LOW POINT
L.S. – LONG SLOTTED
LOC'N – LOCATION
LONG. – LONGITUDINAL
M – MOMENT
MAS'Y, MASY. – MASONRY
MAT'L – MATERIAL
M.B.M. – METAL BLDG MFR.
M.O. – MASONRY OPENING
M/E/P – MECH./ELEC./PLUMBNG DOCUMENTS
MAX. – MAXIMUM
MECH. – MECHANICAL, OR MECH. ENGINEER
OR DOCUMENTS,
OR PLUMBING
OR HVAC ENGINEER
MEZZ. – MEZZANINE
MFR. – MANUFACTURER
MH – MANHOLE
MIN. – MINIMUM
MISC. – MISCELLANEOUS
MPH – MILES PER HOUR
MTL. – METAL
N.I.C. – NOT IN CONTRACT
N.S. – NEAR SIDE OR NON-SHRINK
NO. – NUMBER
NOM. – NOMINAL
NSI – NEEL SCHAFER, INC.
N.T.S. – NOT TO SCALE
O/C, O.C. – ON CENTER
O/D – ORIENTED DOWN
O.D. – OUTSIDE DIAMETER
O/U – ORIENTED UP
O.H. – OPPOSITE HAND

OPNG. – OPENING
P – PAN
P.A.F. – POWDER ACTUATED FASTENER
P/C – PRECAST
PEJ – PRE-FORMED EXP. JT.
PHSE. – PENTHOUSE
P.T. – POST-TENSIONED OR PRESSURE-TREATED
P/W – PLYWOOD
PL. – PLATE
PLF – POUNDS PER FOOT
PLC(S) – PLACE(S)
PRVD. – PROVIDE
PSF – POUNDS PER SQUARE FOOT
PSI – POUNDS PER SQUARE INCH
PT., PTS. – POINT(S)
PVC – POLY-VINYL CHLORIDE
QTY. – QUANTITY
RAD. – RADIUS
REF. – REFERENCE
REINF. – REINFORCING
REBAR – REINFORCING BAR
REQ., REQD. – REQUIRED
RET. – RETURN
REV. – REVISION
RM – ROOM
S.F. – SQUARE FOOT
S.O.G. – SLAB ON GRADE
S.S. – SHORT-SLOTTED OR STAINLESS STEEL
SCHED. – SCHEDULE
SECT. – SECTION
SEL. – SELECT
SHT. – SHEET
SIM. – SIMILAR
SPC, SPCS. – SPACE(S)
SPECS – SPECIFICATIONS
SQ. – SQUARE
STA. – STATION
STD. – STANDARD
STIRR. – STIRRUP(S)
STL. – STEEL
STOR. – STORAGE
STRUCT. – STRUCTURE, STRUCTURAL ENGR. OR DOCUMENTS
SUPPT. – SUPPORT
T – TOP BAR
T## – TENSION (FORCE)
T. OR TAB. – TABLE
T/ – TOP OF
TBD – TO BE DETERMINED
THK, THKD. – THICK, THICKENED
THRD – THREAD(ED)
THRESH. – THRESHOLD
THRU – THROUGH
T/S, T/STL – TOP OF STEEL
T/B – TOP OF BEAM
T/CONC, TOC – TOP OF CONCRETE
T/SLAB – TOP OF SLAB
T/FTG – TOP OF FOOTING
TLT – TOILET
TOT. – TOTAL
TRANS. – TRANSVERSE
TYP – TYPICAL
U.N.O. – UNLESS NOTED OTHERWISE
V.B. – VAPOR BARRIER
VCT – VINYL COMPOSITE TILE
VER. – VERIFY
VERT – VERTICAL
W/- – WITH
W, WF – WIDE-FLANGE STEEL SHAPE
W. – WIDE OR WEST
W/H – WATER HEATER
W/O – WITHOUT
WD. – WOOD
W.P. – WORK POINT
WS – WATERSTOP
WT – WT STEEL SHAPE
WT. – WEIGHT
WIN. – WINDOW
WWF – WELDED WIRE FABRIC
X/B, X.B. – X-BRACING

M:\Buildings\6525 Jackie Dole Community Center\8667.000 Fdn Repair\Drawings\NS\Current\C-1.dwg 10/23/2014 3:00 PM

NOTES:

1. SEE NOTES ON DWG. C-0.
2. ALL WORK SHALL BE COORDINATED WITH THE OWNER.
3. EXCEPT AS NOTED FOR HELICAL PILE LOCATIONS BELOW, DO NOT SCALE THIS DWG. GC SHALL FIELD VERIFY AS REQUIRED TO PROSECUTE THE WORK.
4. FOR SYMBOL  SEE PHOTOS ON DWG. C-2.
5. LANDSCAPING, SHRUBS, GRASS NOT SHOWN. SEE PHOTOS.
6. "○" & "●" = HELICAL PILES. SEE S-DWGS FOR ADDITIONAL INFO. LOCATIONS INDICATED ARE APPROXIMATE AND MAY BE SCALED FROM THE STRUCTURAL PLANS. FIELD-ADJUSTMENT OF HELICAL LOCATIONS IS PERMITTED. FOR ANY HELICAL PILES TO BE LOCATED OTHER THAN AS INDICATED ON THE DWGS, CONTRACTOR SHALL SUBMIT A PLAN SHOWING PROPOSED HELICAL LOCATIONS FOR APPROVAL BY E.O.R.



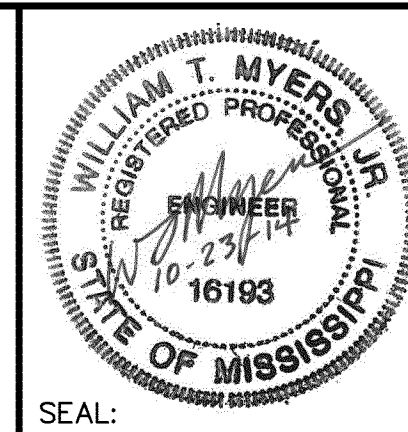
NOTICE TO DRAWING HOLDER

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 ADAPTION 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.:	8667.000
A	XX/XX/14		BID ISSUE	FILENAME:	C-1.dwg
				SCALE:	AS NOTED
				SURVEYED BY:	
				DSGN:	WTM DATE: 05/2014
				DRWN:	WBH DATE: 05/2014
				CHKD:	WTM DATE: 05/2014
				QA/QC:	WKM DATE: 06/2014



FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI



SITE PLAN

WORKING NUMBER:

DRAWING NUMBER:

C-1



1 PHOTO



2 PHOTO



3 PHOTO



4 PHOTO



5 PHOTO



6 PHOTO



7 PHOTO



8 PHOTO



9 PHOTO



10 PHOTO



11 PHOTO



12 PHOTO

NOTICE TO DRAWING HOLDER

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REVISIONS				DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.: 8667.000	
A	XX/XX/11		BID ISSUE	FILENAME: C-2.dwg	
				SCALE: AS NOTED	
				SURVEYED BY:	
				DSGN: WTM	DATE: 05/2014
				DRWN: WGH	DATE: 05/2014
				CHKD: WTM	DATE: 05/2014
				QA/QC: WKM	DATE: 05/2014



FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI



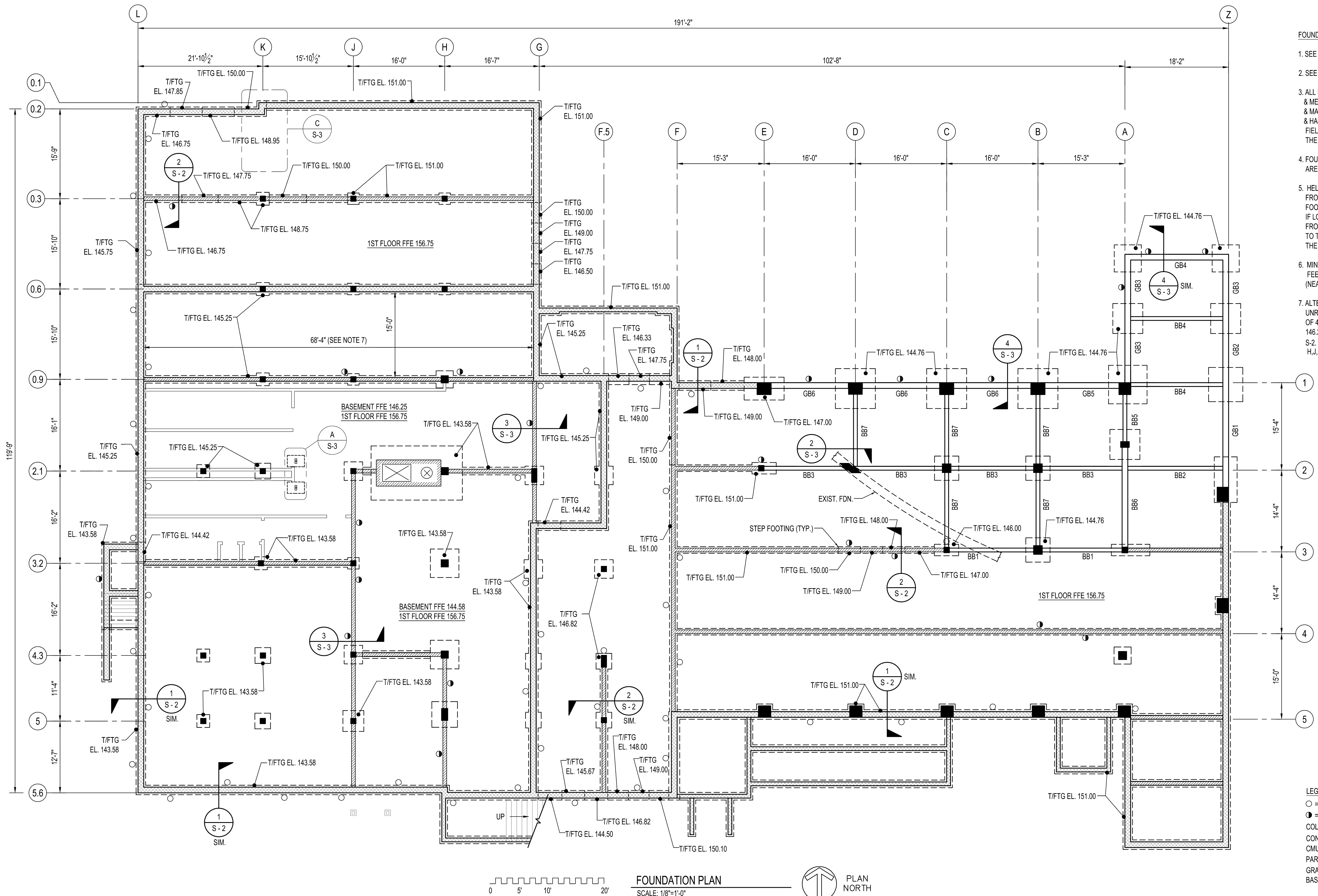
EXISTING BUILDING
PICTURES

WORKING NUMBER:

DRAWING NUMBER:

C-2

M:\Buildings\6525 Jackie Dole Community Center\Drawings\NS\Current\S-1.dwg 10/23/2014 3:16 PM



FOUNDATION NOTES:

1. SEE NOTES ON C-0.
2. SEE TYPICAL DETAILS ON S-2.
3. ALL DIMENSIONS, ELEVATIONS, & MEMBER SIZES ARE FROM LANDRY & MATTHEWS EXISTING DESIGN DRAWINGS & HAVE NOT BEEN VERIFIED. GC SHALL FIELD VERIFY AS REQUIRED TO PROSECUTE THE WORK.
4. FOUNDATION FOR ADA RAMP & REAR ENTRANCE ARE ESTIMATED.
5. HELICAL ANCHOR LOCATIONS MAY BE SCALED FROM PLAN. FIELD-ADJUSTMENTS +/- ONE (1) FOOT FROM PLAN LOCATIONS ARE PERMITTED. IF LOCATIONS ARE GREATER THAN ONE FOOT FROM THE PLAN LOCATIONS, GC SHALL SUBMIT TO THE EOR FOR APPROVAL A PLAN SHOWING THE PROPOSED LOCATIONS.
6. MINIMUM HELICAL TIP ELEVATION IS FIFTEEN (15) FEET BELOW EXISTING EXTERIOR FINISH GRADE (NEAREST THE HELICAL IN QUESTION).
7. ALTERNATE BID ITEM: DEMO 1,025 SF OF 4" UNREINFORCED CONC. SLAB. INSTALL 1,025 SF OF 4" SLAB w/ 6x6-W1.4 x W1.4 OVER 6 MIL V.B. FFE 146.25. PROVIDE JOINT DETAILS 'B' & 'C' ON DWG. S-2. PROVIDE THREE 3/8" x 1/2" SAWCUTS @ GRIDS H, J, & K

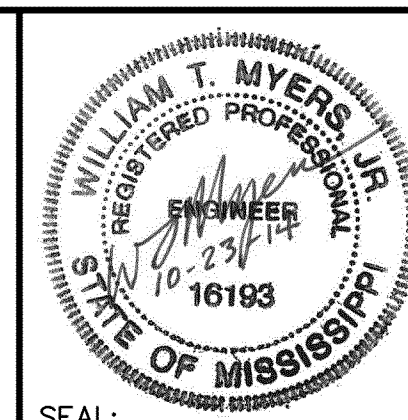
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REVISIONS				DRAWING INFORMATION	
NO.	DATE	BY	DESCRIPTION	N-S PROJECT NO.:	8667.000
				FILENAME:	S-1.dwg
				SCALE:	AS NOTED
				SURVEYED BY:	
				DSGN:	WTM DATE: 05/2015
				DRWN:	WBH DATE: 05/2015
				CHKD:	WTM DATE: 05/2015
				QA/QC:	WKM DATE: 06/2015



FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI



NEEL-SCHAFFER
Solutions you can build upon

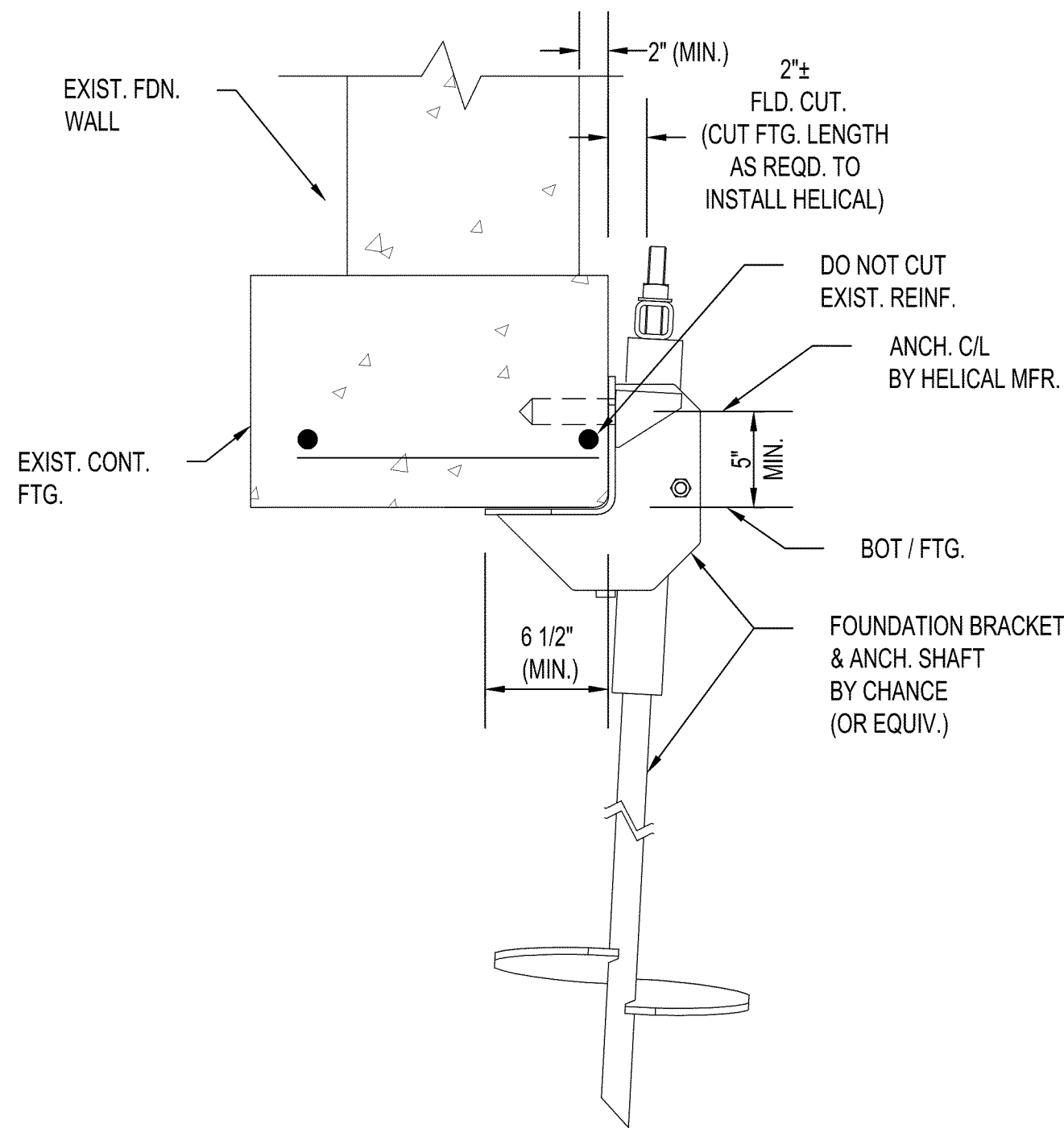
FOUNDATION PLAN

WORKING NUMBER:

DRAWING NUMBER:

S-1

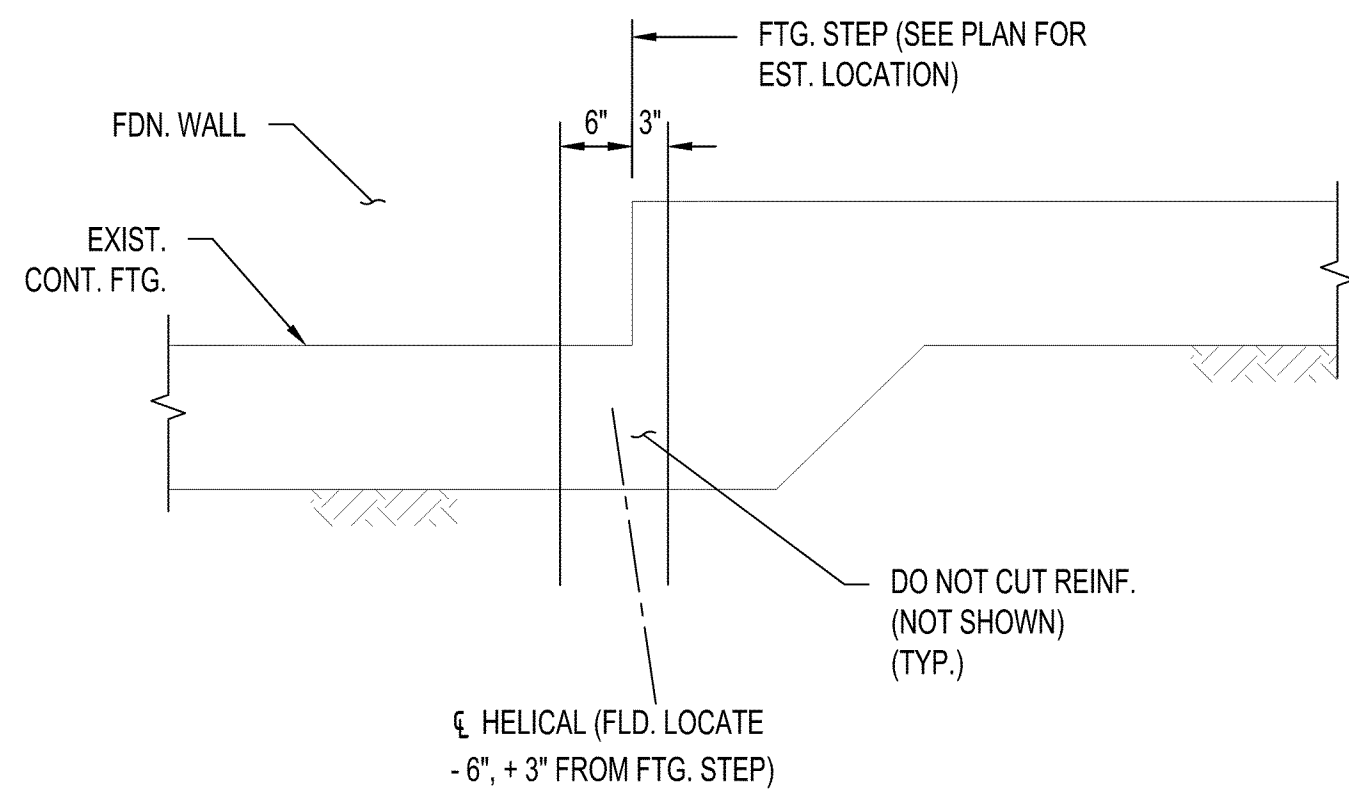
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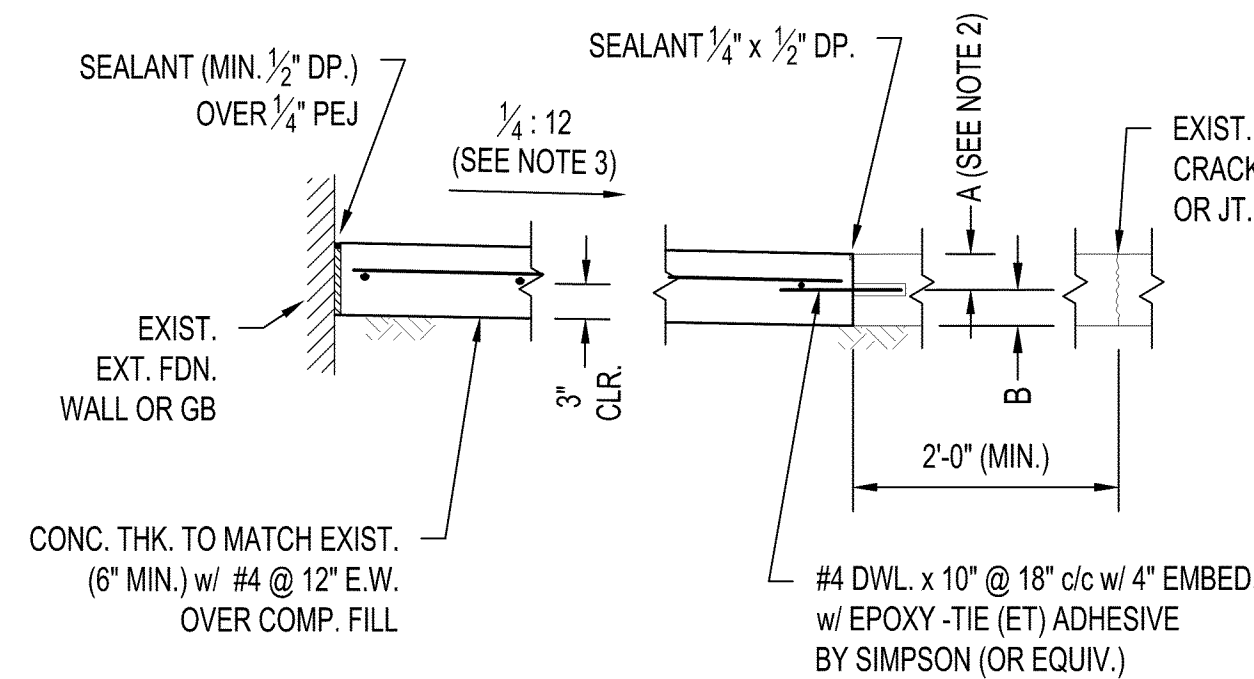
TYPICAL HELICAL DETAIL
N.T.S.

HELICAL NOTES:

1. INSTALL PER HELICAL MFR'S RECOMMENDED INSTRUCTIONS. THE NUTS ON THE LIFTING BOLTS AND CROSS BOLTS SHALL BE TIGHTENED TO ACHIEVE A SNUG-TIGHT CONDITION AS DEFINED IN SECTION J3 OF AISC 360-05; AS A MINIMUM, NUTS MUST BE TIGHTENED 1/4 TURN BEYOND HAND TIGHT CONDITION. DO NOT EXCEED 165 FT-LB OF TORQUE ON LIFTING BOLTS DURING STABILIZATION OR LOAD LOCK OFF.
2. MATERIAL SPECIFICATIONS:
BRACKET BODY: PER ASTM A36 AND ASTM A570 GR. 50.
T-PIPE TUBE: HOT ROLLED MECHANICAL TUBING PER ASTM A500.
LIFTING BOLTS: HEX HEAD BOLT PER ASTM A325, TYPE 1.
CROSS BOLT: HEX HEAD BOLT PER ASTM A325, TYPE 1.
HOT DIP GALVANIZE PER ASTM A153-(LATEST REVISION).
3. HELICAL INSTALLER SHALL BE APPROVED BY THE HELICAL MFR. & SHALL HAVE A MINIMUM OF THREE (3) YEARS OF HELICAL INSTALLATION SIMILAR TO THIS PROJECT. SUBMIT CERTIFICATION TO THE E.O.R. PRIOR TO COMMENCING WORK.
4. EXISTING CONCRETE STRENGTH: ASSUME F'C = 2500 PSI.
5. HELICAL STRENGTH RATINGS SHALL INCLUDE A MINIMUM ALLOWANCE FOR CORROSION FOR 50-YEAR SERVICE LIFE. (STRENGTH RATINGS MAY ASSUME THAT HELICAL FOUNDATIONS ARE Laterally-SUPPORTED IN ACCORDANCE WITH IBC 1808.2.5.)
6. HELICAL FOUNDATIONS SHALL BE DESIGNED BY AN ENGINEER REGISTERED IN THE STATE OF MISSISSIPPI. SUBMIT SIGNED AND SEALED CALCULATIONS TO THE E.O.R.
7. SEE PLAN FOR LOCATIONS. IF HELICAL LOCATION NEEDS TO BE SHIFTED ±12" OR MORE FROM PLAN DIMENSION IN ORDER TO AVOID EXISTING STRUCTURE OR UTILITY, CONTACT E.O.R. BEFORE PROCEEDING FOR APPROVAL OF PROPOSED HELICAL LOCATION.



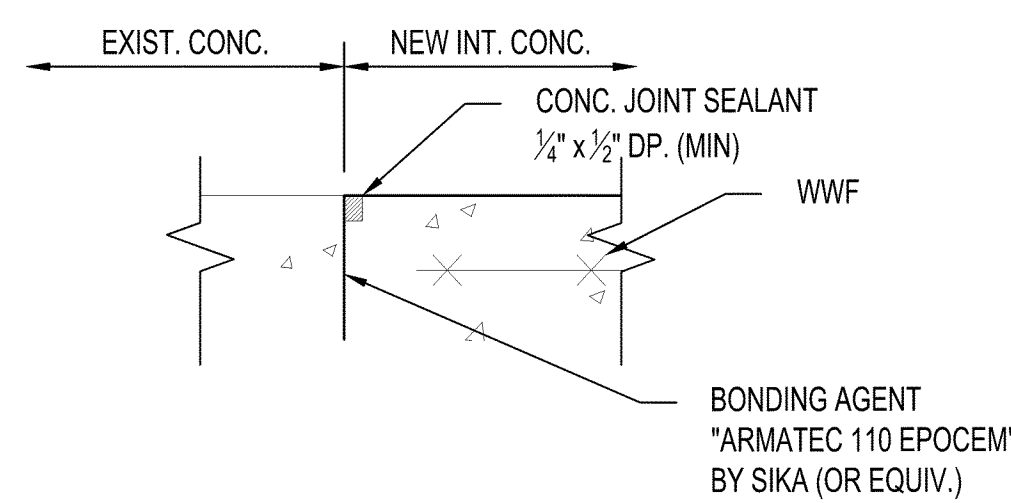
TYP. HELICAL LOCATION @ STEP FOOTING
N.T.S.



NOTES:

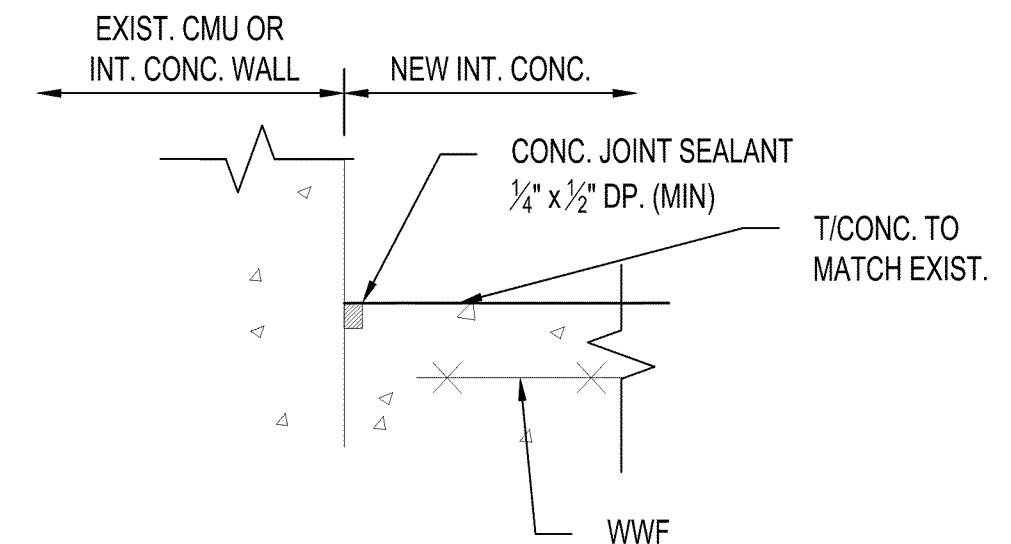
1. SEE PLAN FOR LOCATIONS.
2. FOR EXIST. CONC. ≤ 6", A = B.
3. PROVIDE A MINIMUM OF 1" FALL AWAY FROM BLDG WALL.

TYPICAL EXT. CONC. REPAIR SECTION
N.T.S.

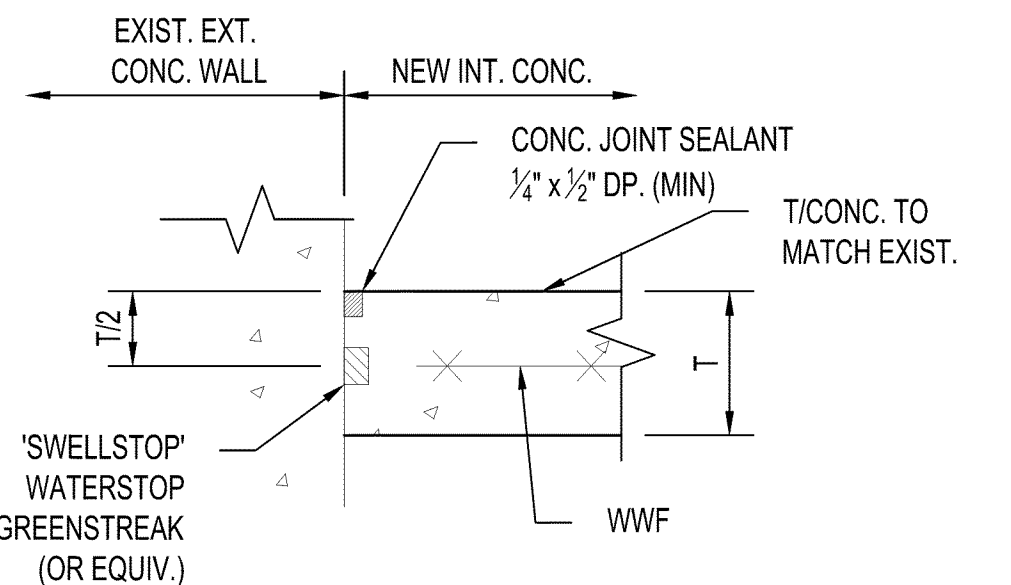


NOTE: SEE DET. 'C' FOR WATERSTOP (NOT SHOWN) LOCATED NEAR EXT. WALLS.

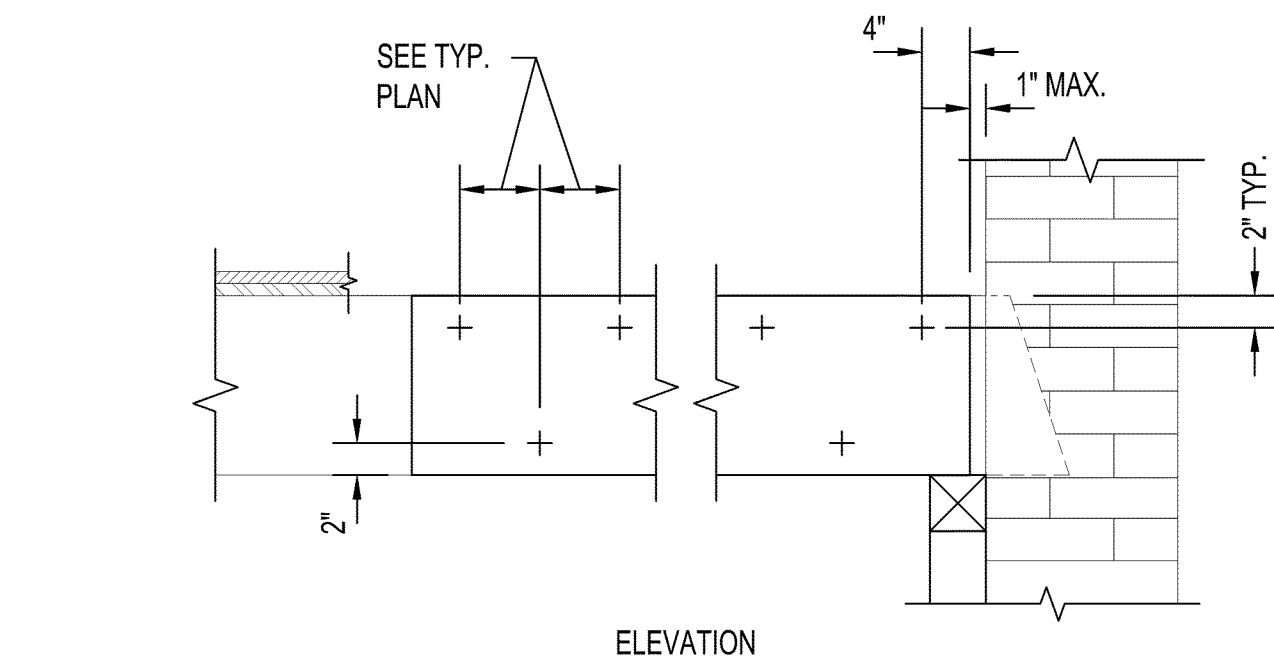
TYP. INT. JOINT DETAIL 'A'
N.T.S.



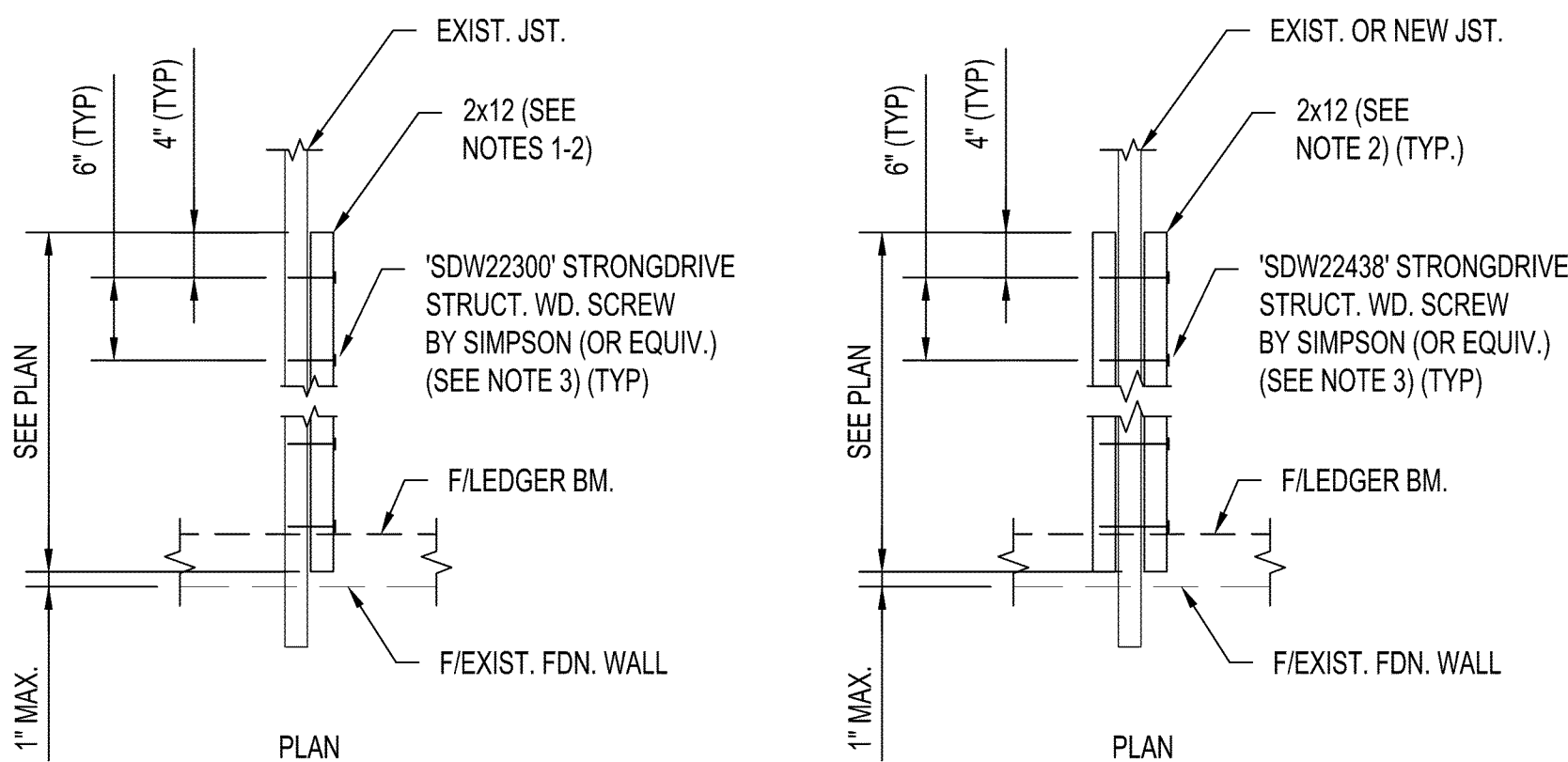
TYP. INT. JOINT DETAIL 'B'
N.T.S.



TYP. INT. JOINT DETAIL 'C'
N.T.S.



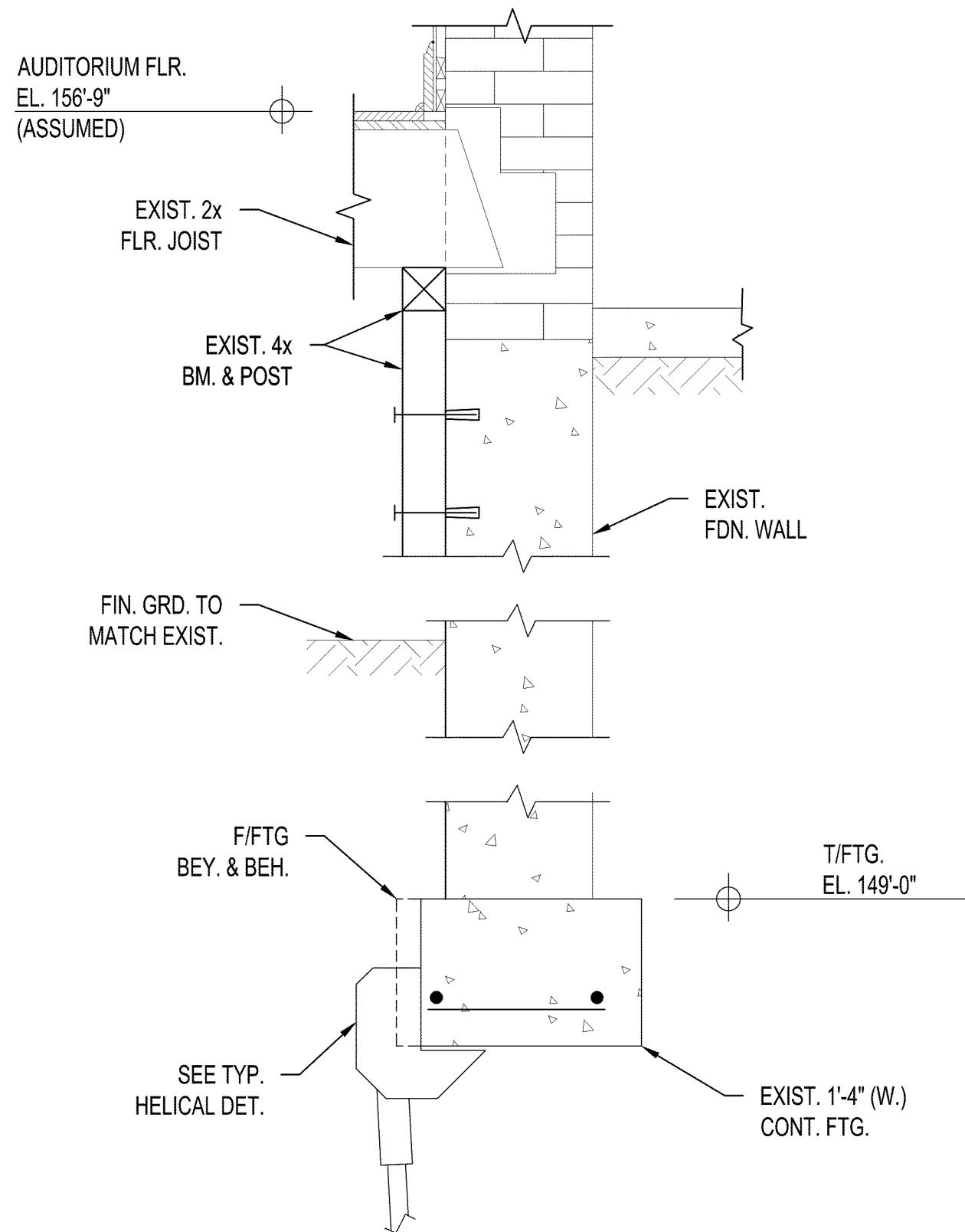
ELEVATION



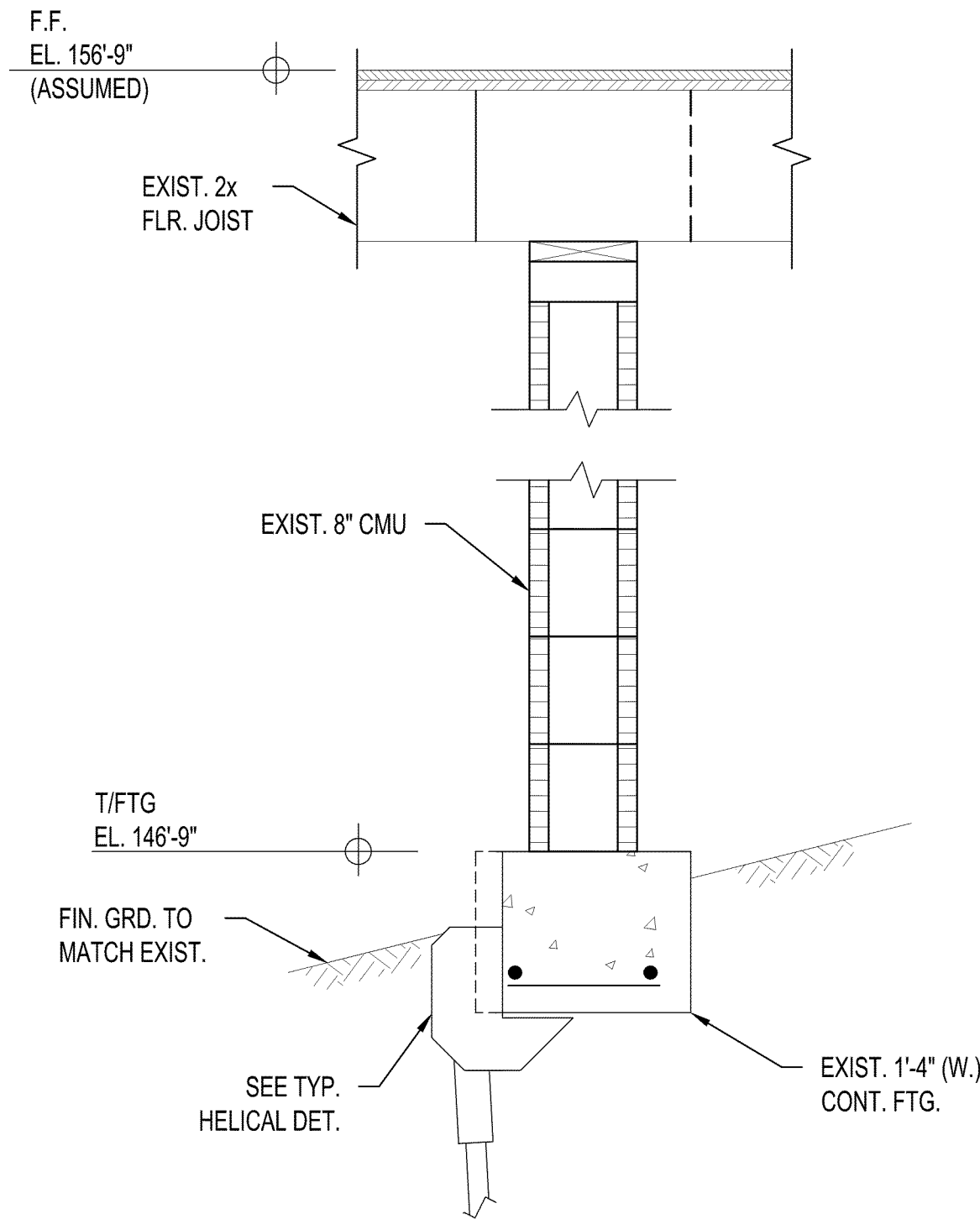
NOTES:

1. SISTER BM. MAY BE LOCATED ON EITHER SIDE OF EXISTING JOIST.
2. INSTALL FACTORY-CUT END AGAINST THE WALL.
3. DO NOT OVERDRIVE FASTENERS.

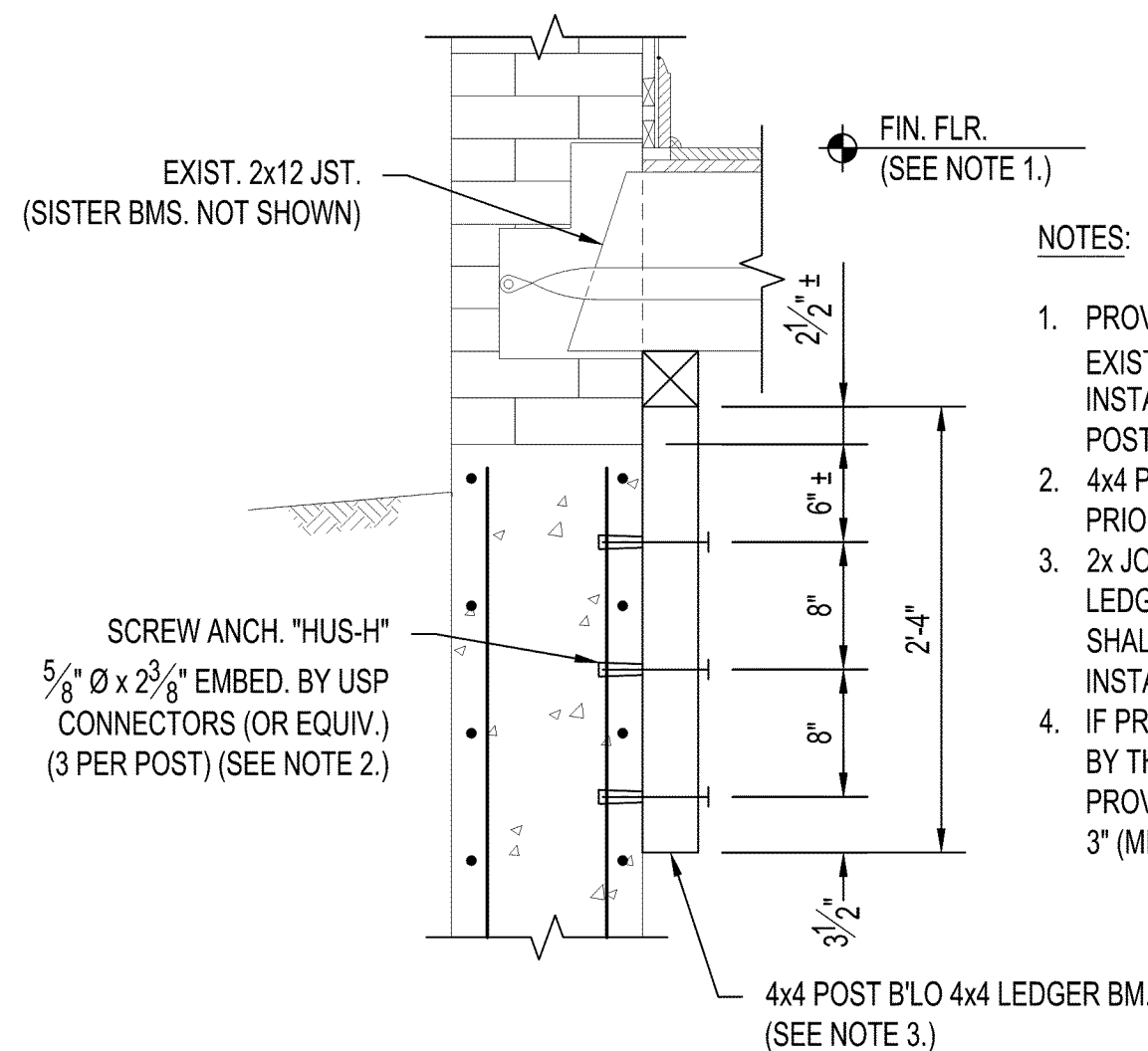
TYPICAL SISTER BEAM(S) CONNECTIONS
N.T.S.



1 SECTION
S-2 SCALE: 1"=1'-0"



2 SECTION
S-2 SCALE: 1"=1'-0"



NOTES:

1. PROVIDE TEMP. SHORING & RAISE EXISTING FLOOR JOISTS 1/2" PRIOR TO INSTALLATION OF LEDGER BEAM & POSTS.
2. 4x4 POST SHALL BE PRE-DRILLED PRIOR TO ANCH. INSTALLATION.
3. 2x JOISTS SHALL FULLY BEAR ON LEDGER BEAM AND LEDGER BEAM SHALL FULLY BEAR ON POST BEFORE INSTALLING SCREW ANCHORS.
4. IF PROPER BEARING (AS DETERMINED BY THE EOR) IS NOT ACHIEVED, PROVIDE P.T. OR NEOPRENE SHIMS 3" x 3" (MIN.) AT ALL BEARING LOCATIONS.

3 SECTION
S-2 SCALE: 1"=1'-0"

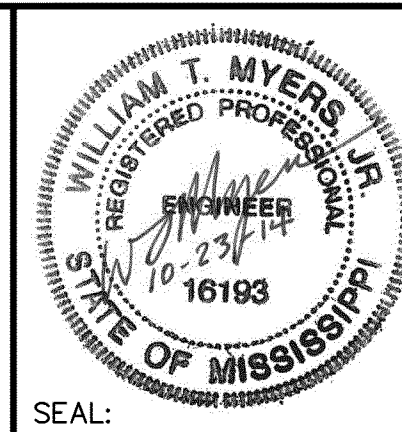
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REVISIONS				DRAWING INFORMATION	
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				FILENAME:	S-2_S-3.dwg
				SCALE:	AS NOTED
				SURVEYED BY:	
				DSGN:	WTM DATE: 05/2014
				DRWN:	WBH DATE: 05/2014
				CHKD:	WTM DATE: 05/2014
				QA/QC:	WKM DATE: 05/2014



FOUNDATION REPAIR
JACKIE DOLE SHERRILL COMMUNITY CENTER
CITY OF HATTIESBURG
HATTIESBURG, MISSISSIPPI



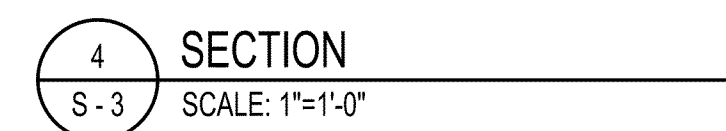
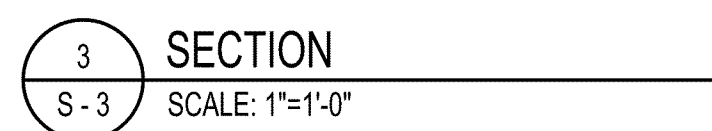
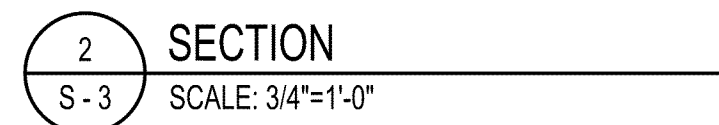
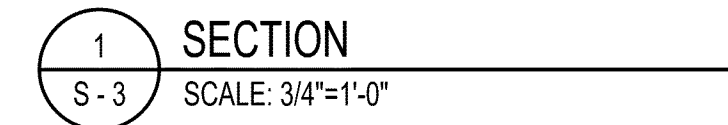
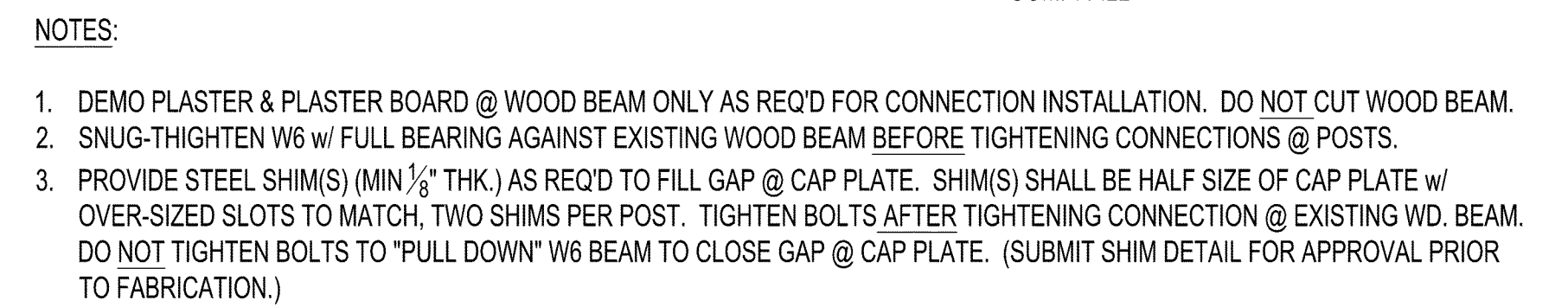
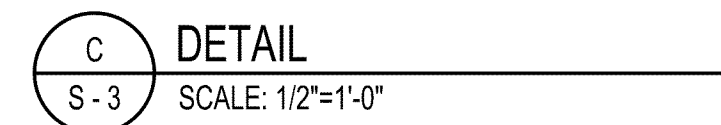
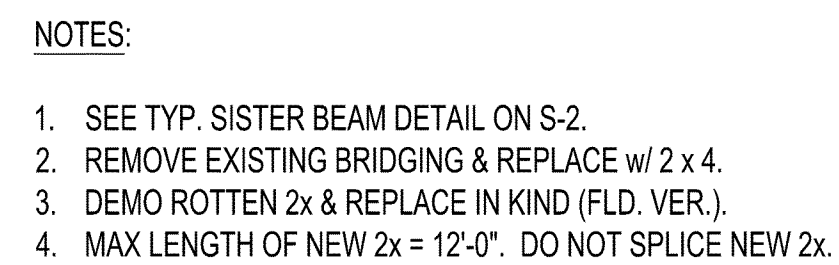
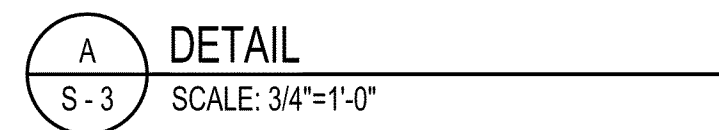
NEEL-SCHAFER
Solutions you can build upon

SECTIONS & DETAILS

WORKING NUMBER:

DRAWING NUMBER:

S-2



WORKING NUMBER:	DRAWING NUMBER: S-3
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City of Hattiesburg, MS

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

Master

File Number: 2014-1468

File ID: 2014-1468

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/23/2014

Brief Title: Taxi Permit

Final Action:

Minute Book Number: MB2014-333

Title:

Approve the issuance of taxi permit for April Regina Parker (F-010), to drive for Yellow Cab Company.

Notes:

Sponsors:

Enactment Date:

Attachments: April Parker Permit., executed April Parker Permit.

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	11/04/2014					

Text of Legislative File 2014-1468

Title

Approve the issuance of taxi permit for April Regina Parker (F-010), to drive for Yellow Cab Company.

Summary

Taxi Permit.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

RECEIVED OCT 23 2014

A PERMIT TO OWN OR OPERATE A TAXI CAB

OWNER / OPERATOR PERMIT NUMBER: PTL 90184 ----- FEE: \$25.00

BADGE NUMBER / PERMIT NUMBER: F-010 INS: X

COMMERCIAL DRIVER'S LICENSE NO: 800-98-6143

COMMERCIAL DRIVER'S LICENCE EXPIRES: **04-19-2015**

April Regina Parker having complied with the terms and conditions of Ordinance No. 2157 of the City of Hattiesburg is hereby granted a permit to own or operate a motor vehicle for Yellow Cab Company for carrying passengers for hire over the streets, avenues, and alleys of the City of Hattiesburg, Mississippi.

THIS PERMIT shall be valid for one (1) year from the date of issuance, unless cancelled prior to said date by the Mayor and Council or such duly constructed legislative body as may be the successor to such Council, as provided by said Ordinance.

THIS PERMIT issued for a term of
one (1) year beginning _____ and ending _____.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____
Johnny L. DuPree, Mayor

APPROVED BY: *Troy Bolton*
Chief of Police

ATTEST:

CITY CLERK

RECEIVED OCT 23 2014

A PERMIT TO OWN OR OPERATE A TAXI CAB

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THIS PERMIT issued for a term of
one (1) year beginning _____ and ending _____.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____

Johnny L. DuPree, Mayor

APPROVED BY: _____

Chief of Police

ATTEST:

Sharon White

CITY CLERK



City of Hattiesburg, MS

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

Master

File Number: 2014-1469

File ID: 2014-1469

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/23/2014

Brief Title: Taxi Permit

Final Action:

Minute Book Number: MB2014-333

Title:

Approve the issuance of taxi permit for Henry Anthony Taylor(F-007), to drive for Hattiesburg Transportation Taxi Company.

Notes:

Sponsors:

Enactment Date:

Attachments: Henry Taylor Permit, executed Henry Taylor Permit

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	11/04/2014					

Text of Legislative File 2014-1469

Title

Approve the issuance of taxi permit for Henry Anthony Taylor(F-007), to drive for Hattiesburg Transportation Taxi Company.

Summary

Taxi Permit.

Budget Information

Expenditure Type

Purchasing Item

Publication Information

RECEIVED OCT 23 2014

A PERMIT TO OWN OR OPERATE A TAXI CAB

OWNER / OPERATOR PERMIT NUMBER: PTL 80324 & 80325 FEE: \$25.00

BADGE NUMBER / PERMIT NUMBER: F-007 INS: X

COMMERCIAL DRIVER'S LICENSE NO: **801367563**

COMMERCIAL DRIVER'S LICENCE EXPIRES: **01-08-16**

Henry Anthony Taylor having complied with the terms and conditions of Ordinance No. 2157 of the City of Hattiesburg is hereby granted a permit to own or operate a motor vehicle for the **Hattiesburg Transportation Taxi Company** for carrying passengers for hire over the streets, avenues, and alleys of the City of Hattiesburg, Mississippi.

THIS PERMIT shall be valid for one (1) year from the date of issuance, unless cancelled prior to said date by the Mayor and Council or such duly constructed legislative body as may be the successor to such Council, as provided by said Ordinance.

THIS PERMIT issued for a term of
one (1) year beginning _____ and ending _____.

CITY OF HATTIESBURG, MISSISSIPPI

BY: _____

Johnny L. DuPree, Mayor

APPROVED BY: _____

Chief of Police

ATTEST:

CITY CLERK

RECEIVED OCT 23 2014

A PERMIT TO OWN OR OPERATE A TAXI CAB

OWNER / OPERATOR PERMIT NUMBER: PTL 80324 & 80325 FEE: \$25.00

BADGE NUMBER / PERMIT NUMBER: F-007 INS: X

COMMERCIAL DRIVER'S LICENSE NO: 801367563

COMMERCIAL DRIVER'S LICENCE EXPIRES: 01-08-16

Henry Anthony Taylor having complied with the terms and conditions of Ordinance No. 2157 of the City of Hattiesburg is hereby granted a permit to own or operate a motor vehicle for the **Hattiesburg Transportation Taxi Company** for carrying passengers for hire over the streets, avenues, and alleys of the City of Hattiesburg, Mississippi.

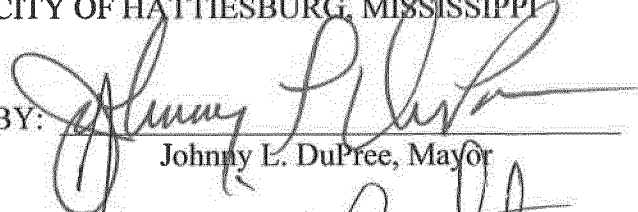
THIS PERMIT shall be valid for one (1) year from the date of issuance, unless cancelled prior to said date by the Mayor and Council or such duly constructed legislative body as may be the successor to such Council, as provided by said Ordinance.

THIS PERMIT issued for a term of

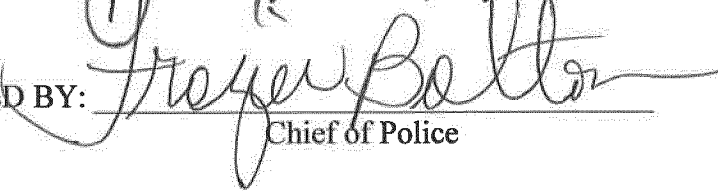
one (1) year beginning _____ and ending _____.

CITY OF HATTIESBURG, MISSISSIPPI

BY:


Johnny L. DuPree, Mayor

APPROVED BY:


Chief of Police

ATTEST:


CITY CLERK



City of Hattiesburg, MS

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

Master

File Number: 2014-1476

File ID: 2014-1476

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/27/2014

Brief Title: Sale of Grave spaces

Final Action:

Minute Book Number: MB2014-334

Title:

Approve the sale of grave spaces, per attached memo.

Notes:

Sponsors:

Enactment Date:

Attachments: CEmetery Receipts 10-7-14, Cemetery
Deeds-11-4-2014, executed Cemetery
Deeds-11-4-2014

Enactment Number:

Contact:

Meeting Date: 11/04/2014

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	11/04/2014					

Text of Legislative File 2014-1476

Title

Approve the sale of grave spaces, per attached memo.

Summary

Budget Information

Expenditure Type

Purchasing Item

Publication Information

Maid to
DeCarlo Hood
P.O. Box 227
Hattiesburg, MS. 39403
SOLD TO:

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-05- 20 14

Mr.. Mrs. Miss Carson Hood
ADDRESS 4124 W. 4th St. Apt # 1303, Hattiesburg, MS. 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

Baby Space # 11
1/2 1/4 Lot No. 2 Section No. 3 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 45.00

Price Received \$ 45.00

ck# 1261

CITY OF HATTIESBURG, MISSISSIPPI
By Deborah Bourne
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-04- 20 14

SOLD TO:
Mr.. Mrs. Miss Carolyn Evans
ADDRESS 1220 Dewey Street, Hattiesburg, MS. 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

NE 1/2 1/4 Lot No. 55 Section No. 34 in Highland Cemetery

Number of grave spaces 2 Price per grave space \$ 175.00

Price Received \$ 350.00

Cash 400.00
50.00 change

CITY OF HATTIESBURG, MISSISSIPPI
By Deborah Bourne
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-08- 20 14

SOLD TO:
Mr.. Mrs. Miss Talicia Dolison (For Baby Walton)
ADDRESS 448 W. 4th St. Hattiesburg, MS. 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

Infant Space # 12
1/2 1/4 Lot No. 2 Section No. 3 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 45.00

Price Received \$ 45.00

CITY OF HATTIESBURG, MISSISSIPPI
By Deborah Bourne

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-10- 20 14

SOLD TO:

Mr.. Mrs. Miss Chesterol Watts

ADDRESS 622 New Orleans St, Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

Baby Space #13
1/2 2 1/4 Lot No. 2 Section No. 3 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 45.00

Price Received \$ 45.00

Cash

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Bourne
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-11- 20 14

SOLD TO:

Mr.. Mrs. Miss Joseph L. & Judy Thrash

ADDRESS 104 Beaver Rd, Hattiesburg, MS 39402

desires to purchase the grave space described below, subject to Cemetery regulations.

NE 83 1/4 Lot No. 83 Section No. 37 in Highland Cemetery

Number of grave spaces 2 Price per grave space \$ 175.00

Price Received \$ 350.00

ck # 5201

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Bourne
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-13- 20 14

SOLD TO:

Mr.. Mrs. Miss Willie Anderson

ADDRESS 710 Hall Ave, Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

S NW 90 1/4 Lot No. 90 Section No. 36 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Bourne

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-15 2014

SOLD TO:

Mr.. Mrs. Miss Francis Hope

ADDRESS 622 New Orleans St. Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

N 1/2 SW 1/4 Lot No. 36 Section No. 37 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

CASH

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Bourne
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09- - 20 14

SOLD TO:

Mr.. Mrs. Miss Cassandra Clark

ADDRESS 722 North H. 11th DR. Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

N 1/2 NE 1/4 Lot No. 29 Section No. 34 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

ck # 6865
(H+A)

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Bourne
Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-16- 20 14

SOLD TO:

Mr.. Mrs. Miss Clonie M. Edwards

ADDRESS 300 Lakewood Loop, Hattiesburg, MS 39402

desires to purchase the grave space described below, subject to Cemetery regulations.

S 1/2 SE 1/4 Lot No. 55 Section No. 35 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Bourne

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-19- 20 14

SOLD TO:

Mr.. Mrs. Miss

Randy Graves

ADDRESS

1000 mobile Street, Hattiesburg, MS. 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

S $\frac{1}{2}$ SW $\frac{1}{4}$ Lot No. 38 Section No. 27 in Highland Cemetery

Number of grave spaces 1

Price per grave space \$ 175.00

Price Received \$

175.00

cash

CITY OF HATTIESBURG, MISSISSIPPI

By

Deborah Bourne

Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-18- 20 14

SOLD TO:

Mr.. Mrs., Miss

Robert + Connie Rogers

ADDRESS

5 Madison Place, Hattiesburg, MS. 39402

desires to purchase the grave space described below, subject to Cemetery regulations.

N $\frac{1}{2}$ NW $\frac{1}{4}$ Lot No. 3 Section No. 30 in Highland Cemetery

N $\frac{1}{2}$ SW $\frac{1}{4}$ Lot 3 (3)

Sect. 30 Price per grave space \$ 175.00

Price Received \$

525.00

cl# 3107

CITY OF HATTIESBURG, MISSISSIPPI

By

Deborah Bourne

Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-20- 20 14

SOLD TO:

Mr.. Mrs. Miss

Johnny Cooper

ADDRESS

5752 Hwy 49 S. Hattiesburg, MS. 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

S $\frac{1}{2}$ SE $\frac{1}{4}$ Lot No. 71 Section No. 34 in Highland Cemetery

Number of grave spaces 1

Price per grave space \$ 175.00

Price Received \$

175.00

CITY OF HATTIESBURG, MISSISSIPPI

By

Deborah Bourne

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-29- 20 14

SOLD TO:

Mr.. Mrs. Miss David LeVelle Williams

ADDRESS 311 Cypress Ave, Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

N $\frac{1}{2}$ NE $\frac{1}{4}$ Lot No. 55 Section No. 36 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175.00

Price Received \$ 175.00

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Bourne
Supt. of City Cemeteries

Cash 180.00

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Mail to:
77 East Lake Rd
Hattiesburg, MS 39402

Hattiesburg, Miss., 09-25- 20 14

SOLD TO:

Mr.. Mrs. Miss Richard + Susan McVeigh

ADDRESS ~~77 East~~ 5717 Hwy 49 South, Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

S $\frac{1}{2}$ NE $\frac{1}{4}$ Lot No. 41 Section No. 37 in Highland Cemetery

SE $\frac{1}{4}$ 3 $\frac{1}{4}$ Price per grave space \$ 175.00

Price Received \$ 525.00

CITY OF HATTIESBURG, MISSISSIPPI

By Deborah Bourne
Supt. of City Cemeteries

ck # 135

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 9-26- 20 14

SOLD TO:

Mr.. Mrs. Miss Thomas Woolbright

ADDRESS 216 Kimball Avenue, Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

SE $\frac{1}{2}$ $\frac{1}{4}$ Lot No. 71 Section No. 36 in Highland Cemetery

Number of grave spaces 2 Price per grave space \$ 175.00

Price Received \$ 350.00

CITY OF HATTIESBURG, MISSISSIPPI

By John H. Williams

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 9-26 20 14

SOLD TO:

Mr.. Mrs. Miss Wayne B. and Janis Stringer
ADDRESS 803 Bushman St Hattiesburg MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

1/2 NE 1/4 Lot No. 45 Section No. 21 in Highland Cemetery

Number of grave spaces 2 Price per grave space \$ 175⁰⁰

Price Received \$ 350⁰⁰

CITY OF HATTIESBURG, MISSISSIPPI

By John H. Williams
Supt. of City Cemeteries

ck # 2369 \$ 49.⁰⁰

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 9-26 20 14

SOLD TO:

Mr.. Mrs. Miss Patricia E. Edwards
ADDRESS 132 Fairlake Dr Hattiesburg MS 39402

desires to purchase the grave space described below, subject to Cemetery regulations.

N 1/2 SE 1/4 Lot No. 2 Section No. 31 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175⁰⁰

Price Received \$ 175⁰⁰

CITY OF HATTIESBURG, MISSISSIPPI

By John H. Williams
Supt. of City Cemeteries

check # 1259

601-466-4939

Mail to
22 Henry Burns Ln
Petal MS 39466
**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 9-26 20 14

SOLD TO:

Mr.. Mrs. Miss Mica T. Adam
ADDRESS 105 Howard Dr. Hattiesburg MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

S 1/2 NE 1/4 Lot No. 76 Section No. 23 in Highland Cemetery

Number of grave spaces 1 Price per grave space \$ 175⁰⁰

Price Received \$ 175⁰⁰

CITY OF HATTIESBURG, MISSISSIPPI

By John H. Williams

check # 1121

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-27- 20 14

SOLD TO:

Mr.. Mrs. Miss

Angela murphy

ADDRESS

215 Dixie Ave, Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

S $\frac{1}{2}$ NE $\frac{1}{4}$ Lot No. 73 Section No. 35 in Highland Cemetery

Number of grave spaces

1 Price per grave space \$ 175.00

Price Received \$

175.00

CITY OF HATTIESBURG, MISSISSIPPI

By

Deborah Broune

Supt. of City Cemeteries

ck#
6887

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-29- 20 14

SOLD TO:

Mr.. Mrs. Miss

Arnold & Louann Knight

ADDRESS

711 Berkshire drive, Hattiesburg, MS 39402

desires to purchase the grave space described below, subject to Cemetery regulations.

SE $\frac{1}{2}$ $\frac{1}{4}$ Lot No. 80 Section No. 36 in Highland Cemetery

Number of grave spaces

2 Price per grave space \$ 175.00

Price Received \$

350.00

CITY OF HATTIESBURG, MISSISSIPPI

By

Deborah Broune

Supt. of City Cemeteries

**CITY OF HATTIESBURG
PURCHASE OF CEMETERY GRAVE SPACES**

Hattiesburg, Miss., 09-30 20 14

SOLD TO:

Mr.. Mrs. Miss

shahed
Akbar Shahheed

ADDRESS

1303 Benard St, Hattiesburg, MS 39401

desires to purchase the grave space described below, subject to Cemetery regulations.

W $\frac{1}{2}$ SW $\frac{1}{4}$ Lot No. 145 Section No. 22 in Highland Cemetery

Number of grave spaces

1 Price per grave space \$ 175.00

Price Received \$

175.00

CITY OF HATTIESBURG, MISSISSIPPI

By

Deborah Broune

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Kyah Dantzler, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N1/2) of the Northwest Quarter (NW1/4)

Lot Number:90

Section Number:23

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of THREE HUNDRED FIFTY AND NO/100 Dollars (\$350.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto, Wess and Mary Morgan, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Northeast Quarter (NE1/4)

Lot Number 64 Section Number 37

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

Two Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November , 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPre and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto John L. Smith, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S1/2) of the Southeast Quarter (SE1/4)

Lot Number:64

Section Number:37

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing
One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining

thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Stanley M. Carpenter Sr. subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N1/2) of the Northeast Quarter (NE1/4)

Lot Number: 49

Section Number: 36

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing
One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining

thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Stanley M. Carpenter Sr. subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S1/2) of the Northeast Quarter (NE1/4)

Lot Number:49

Section Number:36

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining

thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuFree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Annette Ratliff, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N1/2) of the Northeast Quarter (NE1/4)

Lot Number: 28

Section Number: 34

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining

thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuFree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of TWO THOUSAND ONE HUNDRED AND NO/100 Dollars (\$2,100.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto James A. & Patricia T. Nicholson, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N½)

Lot Number 80 Section Number: 37

and

Lot Number: 87 Section Number: 37

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing
twelve (12) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of March, 2008.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of THREE HUNDRED FIFTY AND NO/100 Dollars (\$350.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto, James A. & Patricia T. Nicholson, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half(N1/2) of Southwest Quarter (SW1/4)

Lot Number 87 Section Number 37

&

North Half(N1/2) of Southeast Quarter(SE1/4)

Lot 87 Section 37

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

Two Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Sharron Jenkins, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

West Half (W1/2) of the Southwest Quarter (SW1/4)

Lot Number: 132

Section Number: 1

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPre and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Lillie Mae White, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N1/2) of the Northeast Quarter (NE1/4)

Lot Number: 74

Section Number: 36

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing
One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Elizabeth Sprewer, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S1/2) of the Northwest Quarter (NW1/4)

Lot Number: 79

Section Number: 36

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining

thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of THREE HUNDRED FIFTY AND NO/100 Dollars (\$350.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto, Ethel Rancourt, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Southeast Quarter (SE1/4)

Lot Number 52 Section Number 37

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

Two Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
SOUTH HILL CEMETERY**

For and in consideration of the sum of ONE HUNDRED FIFTY AND NO/100 Dollars (\$150.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Brenda Hall, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

East Half (E1/2)
of the
Southwest Quarter (SW¼)

Lot Number : 60 Section Number: 1

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as South Hill Cemetery, and containing
One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

CITY CLERK
(S E A L)

MAYOR

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits Mayor and Deputy City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE THOUSAND FIFTY AND NO/100 Dollars (\$1,050.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Teresa Thornton, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

East Half (E1/2)
Lot 47 Section 34
And

Northeast Quarter(SE 1/4)
Lot 54 Section 34

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing
six (6) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.
My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of THREE HUNDRED FIFTY AND NO/100 Dollars (\$350.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto, Woodie & Sylena Ross, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Southwest Quarter (SW1/4)

Lot Number 53 Section Number 37

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

Two Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

DEPUTY CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
SOUTH HILL CEMETERY**

For and in consideration of the sum of THREE HUNDRED AND NO/100 Dollars (\$300.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Larry and Roscoe Hoard subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Northwest Quarter (NW1/4)

Lot Number : 86

Section Number: 2

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as South Hill Cemetery, and containing

Two (2) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

CITY OF HATTIESBURG, MISSISSIPPI

CITY CLERK

MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

DEED TO CEMETERY LOT HIGHLAND CEMETERY

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Kyah Dantzler, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N1/2) of the Northwest Quarter (NW1/4)

Lot Number: 90

Section Number: 23

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining

thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon White
DEPUTY CITY CLERK

CITY OF HATTIESBURG, MISSISSIPPI

John L. DuPree
MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon White, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires: 02/12/2016

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

DEED TO CEMETERY LOT HIGHLAND CEMETERY

For and in consideration of the sum of THREE HUNDRED FIFTY AND NO/100 Dollars (\$350.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto, Wess and Mary Morgan, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Northeast Quarter (NE1/4)

Lot Number 64

Section Number 37

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

Two Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon Waits
DEPUTY CITY CLERK

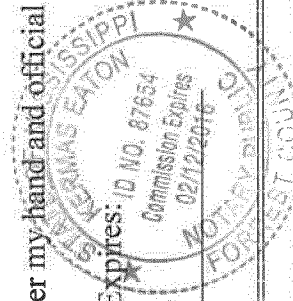
(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:



NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

DEED TO CEMETERY LOT HIGHLAND CEMETERY

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto John L. Smith subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S1/2) of the Southeast Quarter (SE1/4)

Lot Number: 64

Section Number: 37

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing
One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon L. Waits
DEPUTY CITY CLERK

CITY OF HATTIESBURG, MISSISSIPPI
Sherry F. Clark
MAYOR

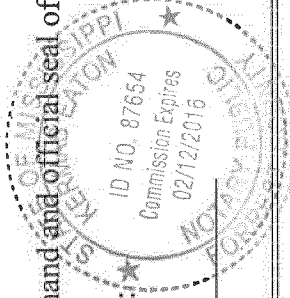
(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires: 02/12/2016



Sharon L. Waits
NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Stanley M. Carpenter Sr. subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N1/2) of the Northeast Quarter (NE1/4)

Lot Number: 49

Section Number: 36

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing
One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining

thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon L. DuPre
DEPUTY CITY CLERK

CITY OF HATTIESBURG, MISSISSIPPI

Johny L. DuPre
MAYOR

(S E A L)

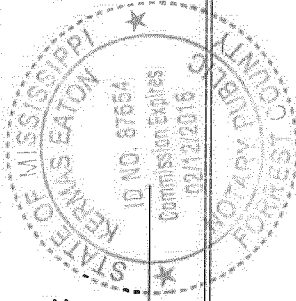
STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johny L. DuPre and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

Notary Seal
NOTARY PUBLIC



STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

DEED TO CEMETERY LOT HIGHLAND CEMETERY

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Stanley M. Carpenter Sr. subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S1/2) of the Northeast Quarter (NE1/4)

Lot Number: 49

Section Number: 36

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon White
DEPUTY CITY CLERK

Jimmy F. White
CITY OF HATTIESBURG, MISSISSIPPI
MAYOR

(S E A L)

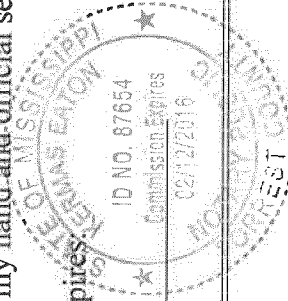
STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

NOTARY PUBLIC



STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Annette Ratliff, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N1/2) of the Northeast Quarter (NE1/4)

Lot Number: 28

Section Number: 34

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing
One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon Waits
DEPUTY CITY CLERK

Johnny L. DuPre
CITY OF HATTIESBURG, MISSISSIPPI
MAYOR

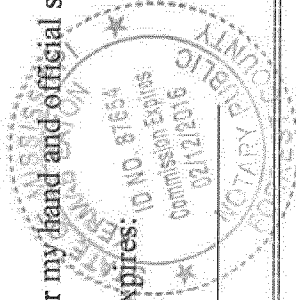
(SEAL)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPre and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:



Sharon Waits
NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

DEED TO CEMETERY LOT HIGHLAND CEMETERY

For and in consideration of the sum of TWO THOUSAND ONE HUNDRED AND NO/100 Dollars (\$2,100.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto James A. & Patricia T. Nicholson, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N½)

Lot Number 80 Section Number: 37
and

Lot Number: 87 Section Number: 37

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing
twelve (12) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon Waits
CITY CLERK

(S E A L)

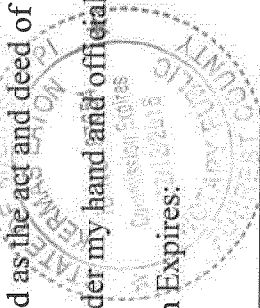
Johnny L. DuPre
CITY OF HATTIESBURG, MISSISSIPPI
MAYOR

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPre and Sharon Waits Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of March, 2008.

My Commission Expires:



[Signature]
NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

DEED TO CEMETERY LOT HIGHLAND CEMETERY

For and in consideration of the sum of THREE HUNDRED FIFTY AND NO/100 Dollars (\$350.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto, James A. & Patricia T. Nicholson, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half(N1/2) of Southwest Quarter (SW1/4)

Lot Number 87 Section Number 37

&

North Half(N1/2) of Southeast Quarter(SE1/4)

Lot 87 Section 37

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

Two Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon L. DuPree
DEPUTY CITY CLERK

(S E A L)

CITY OF HATTIESBURG, MISSISSIPPI
Johnny L. DuPree
MAYOR

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:

ID NO. 87654
Commission Expires
02/12/2016

NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

DEED TO CEMETERY LOT HIGHLAND CEMETERY

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Sharron Jenkins, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

West Half (W1/2) of the Southwest Quarter (SW1/4)

Lot Number: 132

Section Number: 1

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon White
DEPUTY CITY CLERK

Johnny L. DuPree
CITY OF HATTIESBURG, MISSISSIPPI
MAYOR

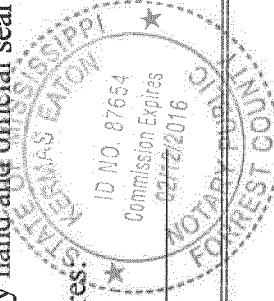
(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon White, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:



Thomas Eaton
NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

DEED TO CEMETERY LOT HIGHLAND CEMETERY

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Lillie Mae White subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

North Half (N1/2) of the Northeast Quarter (NE1/4)

Lot Number: 74

Section Number: 36

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining

thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon White
DEPUTY CITY CLERK

Johnny L. DuPree
CITY OF HATTIESBURG, MISSISSIPPI
MAYOR

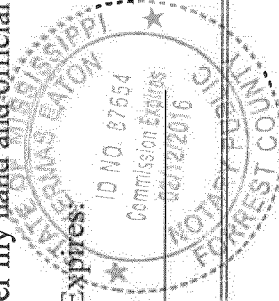
(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPree and Sharon White, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:



[Signature]
NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
HIGHLAND CEMETERY**

For and in consideration of the sum of ONE HUNDRED SEVENTY FIVE AND NO/100 Dollars (\$175.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Elizabeth Sprewer subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

South Half (S1/2) of the Northwest Quarter (NW1/4)

Lot Number: 79

Section Number: 36

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing
One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining

thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon White
DEPUTY CITY CLERK

Johnny J. DuPre
CITY OF HATTIESBURG, MISSISSIPPI
MAYOR

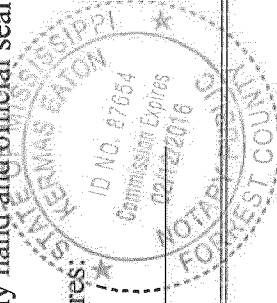
(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPre and Sharon White, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:



Thomas Eaton
NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

DEED TO CEMETERY LOT HIGHLAND CEMETERY

For and in consideration of the sum of THREE HUNDRED FIFTY AND NO/100 Dollars (\$350.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto, Ethel Rancourt, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Southeast Quarter (SE1/4)

Lot Number 52 Section Number 37

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

Two Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon Waits
DEPUTY CITY CLERK

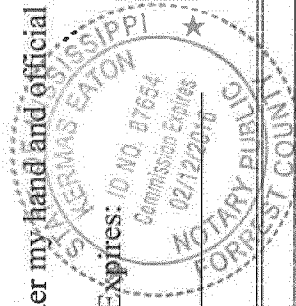
(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuFree and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires: 02/12/2018



[Signature]
NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
SOUTH HILL CEMETERY**

For and in consideration of the sum of ONE HUNDRED FIFTY AND NO/100 Dollars (\$150.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Brenda Hall, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

East Half (E1/2)
of the
Southwest Quarter (SW1/4)

Lot Number : 60 Section Number: 1

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as South Hill Cemetery, and containing

One (1) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon Waits
CITY CLERK
(S E A L)

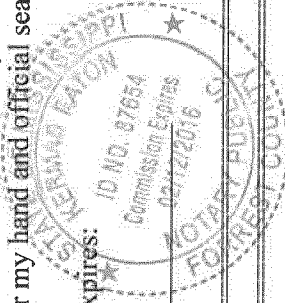
Jimmy L. DuPre
CITY OF HATTIESBURG, MISSISSIPPI
MAYOR

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPre and Sharon Waits, Mayor and Deputy City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:



[Signature]
NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

DEED TO CEMETERY LOT HIGHLAND CEMETERY

For and in consideration of the sum of ONE THOUSAND FIFTY AND NO/100 Dollars (\$1,050.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Teresa Thornton, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

East Half (E1/2)
Lot 47 Section 34
And

Northeast Quarter (SE 1/4)
Lot 54 Section 34

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as Highland Cemetery, and containing
 six (6) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon White
CITY CLERK

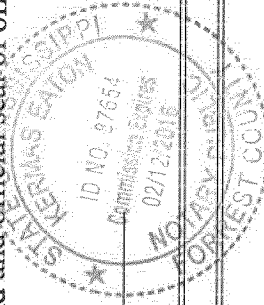
Johnny L. [Signature]
CITY OF HATTIESBURG, MISSISSIPPI
MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPre and Sharon White Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.
My Commission Expires:



NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

DEED TO CEMETERY LOT HIGHLAND CEMETERY

For and in consideration of the sum of THREE HUNDRED FIFTY AND NO/100 Dollars (\$350.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto, Woodie & Sylena Ross, subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Southwest Quarter (SW1/4)

Lot Number 53 Section Number 37

according to the Cemetery Survey of the City of Hattiesburg, Mississippi known as Highland Cemetery, and containing

Two Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon Waits
DEPUTY CITY CLERK

CITY OF HATTIESBURG, MISSISSIPPI
Johnny L. DuPre
MAYOR

(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPre and Sharon Waits, Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:



[Signature]
NOTARY PUBLIC

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR
CITY OF HATTIESBURG
HATTIESBURG, MS

**DEED TO CEMETERY LOT
SOUTH HILL CEMETERY**

For and in consideration of the sum of THREE HUNDRED AND NO/100 Dollars (\$300.00), cash in hand paid to the City of Hattiesburg, Mississippi, the City of Hattiesburg, Mississippi acting by and through its duly authorized Mayor and City Clerk does hereby bargain, sell and convey unto Larry and Roscoe Hoard subject to the reservations and restrictions hereinafter set out and subject to rules and regulations now or hereafter adopted, the following described grave spaces:

Northwest Quarter (NW1/4)

Lot Number : 86

Section Number: 2

according to the Cemetery Survey of the City of Hattiesburg,
Mississippi known as South Hill Cemetery, and containing

Two (2) Grave space (s).

SAID Lot shall be used for burial purposes only and all graves therein must be checked and laid out by the Cemetery sexton before the same is dug and must be at least 4 feet deep and shall be, when completed, level with the ground. No shrubbery, vines or trees shall be planted in the Cemetery Lot and there shall be nothing left above the ground except markers which may be erected to meet all City regulations and requirements. All burials in the grave space(s) herein conveyed shall comply with applicable State and Federal laws governing human burial and with City rules and regulations pertaining thereto. If boxes or vaults are used they shall be at least 10 inches below the ground level.

GRANTEE herein shall not sell or convey this lot without a written permit from the Mayor and Council of the City of Hattiesburg, Mississippi.

WITNESS the signature and seal of the City of Hattiesburg, Mississippi, a Municipal Corporation, acting, by and through its duly authorized Mayor and City Clerk, on this, the 4th day of November, 2014.

ATTEST:

Sharon Waits
CITY CLERK

Johnny L. DuPre
MAYOR
CITY OF HATTIESBURG, MISSISSIPPI

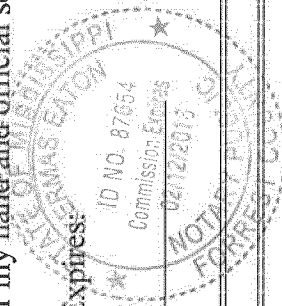
(S E A L)

STATE OF MISSISSIPPI
COUNTY OF FORREST/LAMAR

Personally appeared before me, the undersigned authority in and for said County and State, Johnny L. DuPre and Sharon Waits Mayor and City Clerk, respectively, of the City of Hattiesburg, Mississippi, a municipal corporation, each of whom acknowledged before me that they signed, executed and delivered the above and foregoing Cemetery Deed on the day and year therein mentioned as the act and deed of the City of Hattiesburg after having first been authorized so to do.

Given under my hand and official seal of office on this, the 4th day of November, 2014.

My Commission Expires:



Thomas Eaton
NOTARY PUBLIC



City of Hattiesburg, MS

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

Master

File Number: 2014-1483

File ID: 2014-1483

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/28/2014

Brief Title: CDBG Program Payments

Final Action:

Minute Book Number: MB2014-334

Title:

Approve and authorize issuance of a manual check 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: 11/04/2014

Drafter: Anita Bratcher

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014					

Text of Legislative File 2014-1483

Title

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

Summary

CDBG Program Payments

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMORANDUM

TO: City of Hattiesburg Council Members

FROM: Anita Bratcher
Department of Federal & State Programs

SUBJECT: Authorize issuance of a manual check for CDBG Program claims

DATE: October 28, 2014

The following request for payment is being submitted for approval during the City Council's November 4, 2014 meeting. Please authorize and approve issuance of a manual check for the claims listed below:

Recipient:	Hollimon Construction
Activity:	Rehabilitation
Program:	CDBG
Project Site:	701 Tuscan Ave.
Amount Requested:	\$6,000.00
Purpose of Request:	Draw #2
Work Provided by:	Hollimon Construction

Draw # 2

Hollimon Construction

Curtis Hollimon
145 Hinton Drive
Hattiesburg, MS 39401
601.270.3164.

Gladys Jemison
701 Tuscan Ave.
Hattiesburg, MS 39401

- Balance of rough in for electric
- Replace deteriorated fascia and soffit
- Paint all wood work on exterior of house

Material and Labor: \$6,000.00



City of Hattiesburg, MS

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

Master

File Number: 2014-1484

File ID: 2014-1484

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/28/2014

Brief Title: HOME Program Claims

Final Action:

Minute Book Number: MB2014-334

Title:

Approve and authorize issuance of a manual check 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: 11/04/2014

Drafter: Anita Bratcher

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council	11/04/2014					

Text of Legislative File 2014-1484

Title

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

Summary

HOME Program Claims

Budget Information

Expenditure Type

Purchasing Item

Publication Information

MEMORANDUM

TO: City of Hattiesburg Council Members

FROM: Anita Bratcher
Department of Federal & State Programs

SUBJECT: Authorize issuance of a manual check for HOME Program claims

DATE: October 28, 2014

The following request for payment is being submitted for approval during the City Council's November 4, 2014 meeting. Please authorize and approve issuance of a manual check for the claims listed below:

Recipient:	Norris Construction
Activity:	Rehabilitation
Program:	HOME
Project Site:	122 Cypress Ave
Amount Requested:	\$900.00
Purpose of Request:	C.O. #1
Work Provided by:	Norris Construction

Recipient:	Norris Construction
Activity:	Rehabilitation
Program:	HOME
Project Site:	122 Cypress Ave
Amount Requested:	\$29,375.00
Purpose of Request:	Final Draw
Work Provided by:	Norris Construction

Recipient:	Breakthrough Community Services
Activity:	Rental Rehabilitation
Program:	HOME
Project Site:	1205 Country Club Rd
Amount Requested:	\$8,000.00
Purpose of Request:	Draw #2
Work Provided by:	Hollimon Construction

955682

STATEMENT

DATE

10-16-14

TERMS

TO

ADDRESS

City of Hattiesburg - Federal Programs

P.O. Box 1898

Hattiesburg, Ms. 39403

IN ACCOUNT WITH

NORRIS Construction Co., Inc.

57 Carter Drive

Seminary, Ms. 39479

Wula Wright
 122 Cypress Avenue
 Hattiesburg, Ms. 39401

1. Change Order 900 00

2. Final draw for
 Completion of home 29375 00

Total Amt. Due → \$30275 00

RJ



"Breaking the Shackles of Poverty through Services"

Breakthrough Community Services, Inc.

1313 Country Club Road
Hattiesburg, MS 39401
P 601-582-3475
F 601-582-0149

INVOICE

REIMBURSEMENT

BILL TO:

City of Hattiesburg
Department of Federal & State Programs
P. O. Box 1898, Hattiesburg, MS 39401
Phone: 601.545.4558

Project	Property Address	Invoice	Date
Rental Rehab	1205 Country Club Rd	02	October 24, 2014

Quantity	Description	Unit Price	Total
1	Rental Rehab repairs: install tub in back bathroom , and installed windows.	1	8,000
			\$8,000.00

Make all checks payable to Breakthrough Community Services, Inc.

THANK YOU FOR YOUR BUSINESS!

INVOICE

INVOICE #3
DATE: 10/24/2014

FOR: RENTAL
1205 Country Club Road
Hattiesburg, MS 39401

Make all checks payable to Hollimon Construction
Total due in 15 days.

.....
THANK YOU FOR YOUR BUSINESS!



City of Hattiesburg, MS

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

Master

File Number: 2014-1475

File ID: 2014-1475

Type: Regular Agenda Item

Status: Agenda Ready

Version: 1

Reference:

In Control: City Council

File Created: 10/27/2014

Brief Title: Claims docket

Final Action:

Minute Book Number: MB2014-334

Title:

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

Notes:

Sponsors:

Enactment Date:

Attachments: CLAIMS DOCKET 14.10-31, DOCKET
ADDENDUM-11.4.14

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	11/04/2014					

Text of Legislative File 2014-1475

Title

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

Summary

Claims Docket

Budget Information

Expenditure Type

Purchasing Item

Publication Information

CITY OF HATTIESBURG DOCKET OF CLAIMS PERIOD ENDING OCTOBER 31, 2014					Date	- 10/30/14	
Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
GENERAL FUND							
00001 A & R FARM AND GARDEN	247416	00146586	14000425	SAND BAGS TRAFFIC STOCK	10/31/14	241060	75.00-
00001 A & R FARM AND GARDEN	247611	00147038	14000867	TRASH GRABBERS STREET DEPT	10/31/14	241060	300.00-
A & RFARM AND GARDEN							
Sum							375.00-
00001 A A A AMBULANCE SERVICE	14-41988 PAT	00146963	14000730	SERV 9/10/14 PATTERSON-PRSNR	10/31/14	241061	231.70-
00001 A A A AMBULANCE SERVICE	14-41644 PAT	00146963	14000731	SERV 8/8/14 PATTERSON-PRSNR	10/31/14	241061	231.70-
00001 A A A AMBULANCE SERVICE	14-36552 DUB	00146963	14000732	SERV 7/13/14 DUBOIS-PRISONER	10/31/14	241061	290.82-
00001 A A A AMBULANCE SERVICE	14-43349 RUN	00146963	14000733	SERV 8/17/14 RUNNELS-PRISONER	10/31/14	241061	231.70-
00001 A A A AMBULANCE SERVICE	14-35498 BUR	00146963	14000734	SERV 7/8/14 BURNETT-PRISONER	10/31/14	241061	231.70-
A A AAMBULANCE SERVICE							
Sum							1,217.62-
00001 AAMCO TRANS/AUTOMOTIVE S	129047	00145181	14000440	BRAKE REPR U#17503 ENGR	10/31/14	241063	493.02-
AAMCOTRANS/AUTOMOTIVE S							
Sum							493.02-
00001 ADVANCED JANITORIAL SERV	20372	00146956	14000693	SERV 10/14 CITY HALL	10/31/14	241064	1,925.00-
00001 ADVANCED JANITORIAL SERV	20372 TRAFFI	00146956	14000694	SERV 10/14 TRAFFIC OFFICE	10/31/14	241064	345.00-
ADVANCED JANITORIAL SERV							
Sum							2,270.00-
00001 AFFORDABLE EMERGENCY LIG	706	00147011	14000859	RADIO/ANTENNA U#19930 POLICE	10/31/14	241065	170.00-
AFFORDABLE EMERGENCY LIG							
Sum							170.00-
00001 AIRDESIGNS SIGN & GRAFFI	933497	00146662	14000831	RESERVED PK SIGN S WAITES	10/31/14	241067	40.00-
AIRDESIGNS SIGN & GRAFFI							
Sum							40.00-
00001 AIRGAS USA LLC (NORDAN S	9032345538	00146396	14000582	WELDING PLASMA CUTTER REPR	10/31/14	241068	39.00-
00001 AIRGAS USA LLC (NORDAN S	992194466-9	00147092	14000861	CYL RENT VARI DEPTS	10/31/14	241068	590.37-
AIRGASUSA LLC (NORDAN S							
Sum							629.37-
00001 AMERICAN FLAGPOLE COMPAN	PO#146333 10	00146333	14000715	AMERICAN FLAGS CEMETERY	10/31/14	241071	320.00-
AMERICAN FLAGPOLE COMPAN							
Sum							320.00-
00001 AMERICAN PLANNING ASSN-M	REG-BRANTLEY	00147030	14000795	REG-BRANTLEY CONF TUPELO	10/31/14	241073	130.00-
00001 AMERICAN PLANNING ASSN-M	REG-MADDOX 1	00147030	14000796	REG-MADDOX CONF TUPELO	10/31/14	241073	130.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001 AMERICAN PLANNING ASSN-M	REG-MARET 11	00147030	14000797	REG-MARET CONF TUPELO	10/31/14	241073	130.00-
AMERICAN PLANNING ASSN-M Sum							390.00-
00001 AMERICAN SIGNS	5922	00144417	14000415	INSTALL STRIPING U#18332 POL	10/31/14	241074	200.00-
AMERICAN SIGNS Sum							200.00-
00001 ARRINGTON, MARVIN (REFUN	REFUND #5772	00201569	14000891	ZONING CHANGE REFUND	10/31/14	241077	400.00-
ARRINGTON, MARVIN (REFUN Sum							400.00-
00001 AT&T	601M26940440	00020151	14000514	MNTHLY 10/14 POLICE DEPT	10/31/14	241078	76.00-
00001 AT&T	601M26684200	00146876	14000630	INTERACT SOFTWARE SUPPORT	10/31/14	241078	871.00-
00001 AT&T	601M26491400	00146876	14000631	INTERACT SOFTWARE SUPPORT	10/31/14	241078	47.00-
AT&T Sum							994.00-
00001 AT&T CAPITAL SERVICES	2933606 10/0	00146678	14000394	INTERACT SOFTWARE POLICE	10/31/14	241079	12,556.56-
AT&T CAPITAL SERVICES Sum							12,556.56-
00001 AUTO ARMATURE SERVICE IN	17302	00146839	14000706	BATTERY U#9214 SHOP	10/31/14	241080	124.95-
00001 AUTO ARMATURE SERVICE IN	17155	00146726	14000711	BATTERIES U#17728/STOCK	10/31/14	241080	377.70-
00001 AUTO ARMATURE SERVICE IN	16765	00146107	14000765	BATTERIES U#17607 POLICE	10/31/14	241080	271.90-
00001 AUTO ARMATURE SERVICE IN	17190	00146829	14000766	BATTERY U#18205 POLICE	10/31/14	241080	163.95-
00001 AUTO ARMATURE SERVICE IN	17222	00146921	14000767	ALT U#18317 BATTERY U#19103	10/31/14	241080	665.95-
00001 AUTO ARMATURE SERVICE IN	17154	00146707	14000806	BATTERIES U#17318 & U#17596	10/31/14	241080	299.90-
00001 AUTO ARMATURE SERVICE IN	17402	00147060	14000864	BATTERY U#11945 TRAFFIC	10/31/14	241080	122.95-
00001 AUTO ARMATURE SERVICE IN	17371	00147046	14000868	BATTERY U#15776 STREET	10/31/14	241080	163.95-
AUTO ARMATURE SERVICE IN Sum							2,191.25-
00001 AUTO ZONE	0139091794	00146658	14000468	12 VOLT WEATHER POWER SOCKETS	10/31/14	241081	38.97-
AUTO ZONE Sum							38.97-
00001 AUTOMOTIVE GLASS SPECIAL	1149826	00146388	14000465	DOOR GLASS U#9900 HEALTH	10/31/14	241082	218.07-
AUTOMOTIVE GLASS SPECIAL Sum							218.07-
00001 B & F TACTICAL STORE	377	00144918	14000418	UNIFORMS ASSISTANT FIRE CHIEF	10/31/14	241083	373.95-
00001 B & F TACTICAL STORE	380	00144948	14000851	L/S SHIRTS MISENHELTER POLICE	10/31/14	241083	180.00-
00001 B & F TACTICAL STORE	376	00146261	14000852	TURTLE NECK SHIRTS STOCK	10/31/14	241083	424.75-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
B & FTACTICAL STORE							
Sum							978.70-
00001 BARRACUDA NETWORKS INC	1098912	00146943	14000837	UPDATES BARRACUDA SPAM FIREWL	10/31/14	241084	1,799.00-
BARRACUDA NETWORKS INC							
Sum							1,799.00-
00001 BELK DEPARTMENT STORE	P935600MB00Y	00146383	14000757	CLOTH ALLOW HOFFER POLICE	10/31/14	241085	154.96-
00001 BELK DEPARTMENT STORE	P935600MF00Y	00146561	14000758	CLOTH ALLOW ROCKHOLD POLICE	10/31/14	241085	184.42-
00001 BELK DEPARTMENT STORE	P935600MJ00Y	00146710	14000759	CLOTH ALLOW FAIRLEY POLICE	10/31/14	241085	454.69-
00001 BELK DEPARTMENT STORE	P935600MJ00Y	00146715	14000760	CLOTH ALLOW HOLDEN POLICE	10/31/14	241085	244.98-
00001 BELK DEPARTMENT STORE	P935600ML00Y	00146764	14000761	CLOTH ALLOW BICE POLICE	10/31/14	241085	133.48-
BELK DEPARTMENT STORE							
Sum							1,172.53-
00001 BENNETT'S LOCK & KEY SHO	63556	00146484	14000658	LOCK FOR ELEC PANELS CONSTR	10/31/14	241088	102.70-
00001 BENNETT'S LOCK & KEY SHO	63585	00146969	14000785	LOCKS FOR NEW JACKS-HEALTH	10/31/14	241088	36.30-
00001 BENNETT'S LOCK & KEY SHO	63524	00146257	14000787	LOCKS/KEYS 10/14 POLICE	10/31/14	241088	9.50-
00001 BENNETT'S LOCK & KEY SHO	63539	00146257	14000788	LOCKS/KEYS 10/14 POLICE	10/31/14	241088	23.25-
00001 BENNETT'S LOCK & KEY SHO	63561	00146257	14000789	LOCKS/KEYS 10/14 POLICE	10/31/14	241088	19.75-
BENNETT'S LOCK & KEY SHO							
Sum							191.50-
00001 BIG IRON DIESEL REPAIR L	SO1985	00146520	14000602	ENGINE DIAGNOSTIC U#16082	10/31/14	241090	400.00-
BIG IRON DIESEL REPAIR L							
Sum							400.00-
00001 BLACKINTON, V H CO INC	2703002 & 27	00146744	14000412	SHP CHGS REFURBISHED BADGES	10/31/14	241091	15.00-
BLACKINTON, V H CO INC							
Sum							15.00-
00001 BLOSSMAN GAS INC	PO#146828 10	00146828	14000648	PROPANE FOR ASPHALT TRUCK	10/31/14	241092	75.00-
BLOSSMAN GAS INC							
Sum							75.00-
00001 BODY TECH INC	4736	00146472	14000416	WRECK REPR U#18325 POLICE	10/31/14	241093	2,537.59-
00001 BODY TECH INC	11825	00146185	14000606	TOWING U#15931 ENGR DEPT	10/31/14	241093	70.00-
00001 BODY TECH INC	4738	00146660	14000771	WRECK REPR U#19008 POLICE	10/31/14	241093	3,449.69-
BODY TECH INC							
Sum							6,057.28-
00001 BOURNE BROTHERS PRINTING	51889	00146437	14000387	NON ADJUDICATED STAMPS COURT	10/31/14	241095	53.85-
00001 BOURNE BROTHERS PRINTING	51890	00146384	14000388	SIGNATURE STAMP JUDGE JONES	10/31/14	241095	29.95-
BOURNEBROTHERS PRINTING							
Sum							83.80-

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001	BRACKMAN MOWER WAREHOUSE	0135652	00145874	14000649	MOWER LIFTS	10/31/14	241096	898.00-
00001	BRACKMAN MOWER WAREHOUSE	0135462	00146393	14000650	USED FORK U#18891 STREET	10/31/14	241096	24.00-
00001	BRACKMAN MOWER WAREHOUSE	0135680	00146570	14000662	WEEDEATERS HEALTH DIVISION	10/31/14	241096	943.98-
BRACKMAN MOWER WAREHOUSE								
Sum								1,865.98-
00001	BRIDGE & WATSON INC	9/22/14	00146670	14000524	VOTING RIGHTS LITIGATION	10/21/14	19263	6,397.14-
00001	BRIDGE & WATSON INC	VOTING RIGHT	00147101	14000843	SRVS 9/23-10/14 VOTING RIGHTS	10/31/14	241099	11,824.77-
BRIDGE& WATSON INC								
Sum								18,221.91-
00001	BROWN, CHRISTINE	TRAV REIMB 9	00147096	14000841	EXPNS FTA TRAINING JACKSON	10/31/14	241100	26.04-
BROWN,CHRISTINE								
Sum								26.04-
00001	BRUNINI	199943-19994	00146671	14000525	LEGAL SERVICES	10/21/14	19264	23,501.47-
BRUNINI								
Sum								23,501.47-
00001	BURROUGHS TIRE SERVICE	43642	00146901	14000651	TIRES STREET STOCK	10/31/14	241103	3,460.90-
BURROUGHS TIRE SERVICE								
Sum								3,460.90-
00001	C D W GOVERNMENT	PZ48453	00146430	14000629	LAPTOPS FOR VARI DEPTS	10/31/14	241105	1,790.90-
C D WGOVERNMENT								
Sum								1,790.90-
00001	C SPIRE WIRELESS (CELLUL	9/23/14-10/2	00201563	14000792	CELL SERV 10/14 GENERAL	10/31/14	241106	8,938.09-
C SPIRE WIRELESS (CELLUL								
Sum								8,938.09-
00001	CANON FINANCIAL SERVICES	14262581	00146785	14000392	COPIER 10/14 PURCHASING	10/31/14	241108	115.00-
CANONFINANCIAL SERVICES								
Sum								115.00-
00001	CARQUEST AUTO PARTS STOR	14758-36769	00146770	14000616	REPR PTS U#14690 CEMETERY	10/31/14	241110	36.39-
00001	CARQUEST AUTO PARTS STOR	14758-36609	00146385	14000671	REPR PTS U#11945/STOCK TRAFFIC	10/31/14	241110	245.67-
00001	CARQUEST AUTO PARTS STOR	14758-33529	00145302	14000764	BATTERY U#17527 FED/STATE	10/31/14	241110	86.83-
00001	CARQUEST AUTO PARTS STOR	14758-37019	00146575	14000807	OIL FILTERS POLICE STOCK	10/31/14	241110	43.92-
00001	CARQUEST AUTO PARTS STOR	14758-36716	00146692	14000808	REPR PTS VARI POLICE UNITS	10/31/14	241110	2,519.02-
00001	CARQUEST AUTO PARTS STOR	14758-37209	00146830	14000809	REPR PTS U#15452 POLICE	10/31/14	241110	461.29-
00001	CARQUEST AUTO PARTS STOR	14758-37188	00146922	14000810	MOTOR TRTMT/BRAKE FLUID STOCK	10/31/14	241110	206.75-
00001	CARQUEST AUTO PARTS STOR	14758-37023	00146786	14000855	REPR PTS U#14451 U#9038	10/31/14	241110	137.64-
00001	CARQUEST AUTO PARTS STOR	14758-37385	00146968	14000865	REPR PTS U#9846 TRAFFIC	10/31/14	241110	33.83-
00001	CARQUEST AUTO PARTS STOR	14758-37387	00146968	14000866	REPR PTS SANIT STOCK	10/31/14	241110	35.91-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001 CARQUEST AUTO PARTS STOR	14758-37388	00146967	14000869	REPR PTS U#18907 STREET	10/31/14	241110	44.06-
00001 CARQUEST AUTO PARTS STOR	14758-37389	00146967	14000870	REPR PTS STREET STOCK	10/31/14	241110	40.22-
CARQUEST AUTO PARTS STOR							
Sum							3,891.53-
00001 CARROT TOP INDUSTRIES IN	24154600	00146737	14000577	US/STATE FLAGS FIRE DEPT	10/31/14	241111	440.52-
CARROTTOP INDUSTRIES IN							
Sum							440.52-
00001 CELEBRATIONS ETC	03127	00144895	14000417	RENT TABLES P/F ACADEMY	10/31/14	241112	52.80-
CELEBRATIONS ETC							
Sum							52.80-
00001 CENTER FOR EDU & EMPLOYM	06855854	00146911	14000642	PUBLIC LAW ENCYCLOPEDIA-ACDMY	10/31/14	241113	249.90-
CENTERFOR EDU & EMPLOYM							
Sum							249.90-
00001 CENTER FOR GOVERNMENT AN	REG-WAITS 10	00146787	14000391	REG WAITS CLERK CERTIF PROG	10/31/14	241114	200.00-
00001 CENTER FOR GOVERNMENT AN	REG-BERNARDO	00146999	14000762	REG-BERNARDO MUN CLK CONF JKX	10/31/14	241115	160.00-
CENTERFOR GOVERNMENT AN							
Sum							360.00-
00001 CERTIFIED LABORATORIES	1676121	00146478	14000463	CHEMICALS FOR SHOP	10/31/14	241117	977.35-
00001 CERTIFIED LABORATORIES	1682083	00146585	14000588	MOTOR OIL/DEGREASER POLICE	10/31/14	241117	3,144.50-
00001 CERTIFIED LABORATORIES	1683458	00146610	14000707	WEEDKILLER DRAINAGE DEPT	10/31/14	241117	4,892.25-
CERTIFIED LABORATORIES							
Sum							9,014.10-
00001 CHAIN ELECTRIC COMPANY	600006	00146684	14000459	GENERATOR REPR CE ROY/SHERRIL	10/31/14	241118	1,704.97-
CHAIINELECTRIC COMPANY							
Sum							1,704.97-
00001 CHUNKY RIVER HARLEY DAVI	240262	00144727	14000860	REPRS TO S29 MOTORCYCLE	10/31/14	241120	383.87-
CHUNKYRIVER HARLEY DAVI							
Sum							383.87-
00001 CITY OF HATTIESBURG FUND	10/31/14 PAY	00201565	14000804	TRF 3RD 10/14 PAYROLL	10/29/14	19311	879,418.97-
CITY OF HATTIESBURG FUND							
Sum							879,418.97-
00001 CLARION LEDGER (SUBSCRIP	CL6108589 9/	00146765	14000389	SUBSCRIPT RNWL 2014-15 M/ADM	10/31/14	241123	325.34-
CLARION LEDGER (SUBSCRIP							
Sum							325.34-
00001 COLEMAN, MAXINE	MILEAGE 10/2	00147083	14000794	MILEAGE ECONOMIC INCL FORUM	10/31/14	241125	107.35-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
COLEMAN, MAXINE							
Sum							107.35-
00001 COMCAST CABLEVISION OF H	095777456130	00146693	14000445	CABLE PUBLIC WORKS BLDG	10/31/14	241127	6.68-
00001 COMCAST CABLEVISION OF H	095777456150	00146693	14000446	CABLE SANIT BLDG	10/31/14	241127	20.92-
COMCAST CABLEVISION OF H							
Sum							27.60-
00001 COMPREHENSIVE RADIOLOGY	10023481301	00146961	14000735	SRV 7/30/14 JOHNSON-PRISONER	10/31/14	241128	49.00-
00001 COMPREHENSIVE RADIOLOGY	10022414201	00146961	14000736	SRV 7/8/14 BURNETT-PRISONER	10/31/14	241128	425.00-
00001 COMPREHENSIVE RADIOLOGY	10022068001	00146961	14000737	SRV 7/1/14 HARRIS-PRISONER	10/31/14	241128	40.00-
00001 COMPREHENSIVE RADIOLOGY	10022211801	00146961	14000738	SRV 7/3/14 SMITH-PRISONER	10/31/14	241128	39.00-
00001 COMPREHENSIVE RADIOLOGY	10024597101	00146961	14000739	SRV 8/21/14 PAYTON-PRISONER	10/31/14	241128	650.00-
00001 COMPREHENSIVE RADIOLOGY	10024597101	00146961	14000740	SRV 8/21/14 PAYTON-PRISONER	10/31/14	241128	691.00-
COMPREHENSIVE RADIOLOGY							
Sum							1,894.00-
00001 COMSOUTH	175657	00146415	14000447	RADIO REPR GO&FS	10/31/14	241129	54.32-
00001 COMSOUTH	175654	00146415	14000448	RADIO REPR GO&FS	10/31/14	241129	57.50-
00001 COMSOUTH	175661	00146415	14000449	RADIO REPR GO&FS	10/31/14	241129	173.80-
00001 COMSOUTH	175659	00146415	14000450	RADIO REPR GO&FS	10/31/14	241129	176.80-
00001 COMSOUTH	175663	00146415	14000451	RADIO REPR GO&FS	10/31/14	241129	78.00-
00001 COMSOUTH	175662	00146415	14000452	RADIO REPR GO&FS	10/31/14	241129	78.00-
00001 COMSOUTH	175664	00146605	14000880	RADIO REPR GO&FS	10/31/14	241129	173.80-
00001 COMSOUTH	175658	00146605	14000881	RADIO REPR GO&FS	10/31/14	241129	186.95-
00001 COMSOUTH	175656	00146605	14000882	RADIO REPR GO&FS	10/31/14	241129	78.00-
COMSOUTH							
Sum							1,057.17-
00001 COPY CATS PRINTING	401415	00145942	14000586	INCIDENT CLAIM FORMS RISK MGT	10/31/14	241132	58.00-
COPY CATS PRINTING							
Sum							58.00-
00001 COURT PROGRAMS INC	#2	00147059	14000793	MONITOR BRACELETS/INMATES	10/31/14	241133	2,800.00-
COURTPROGRAMS INC							
Sum							2,800.00-
00001 COURTESY MOTORS INC	423641	00146545	14000464	REPR PTS U#9169 HEALTH	10/31/14	241134	122.96-
COURTESY MOTORS INC							
Sum							122.96-
00001 CRAIN TRACTOR & EQUIPMEN	RO65008	00146515	14000874	REPRS U#17162 STREET	10/31/14	241135	834.92-
CRAINTRACTOR & EQUIPMEN							
Sum							834.92-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001 D P S CRIME LAB	1092015MCL50	00146747	14000411	ANALYTICAL SERVS 10/14 POLICE	10/31/14	241140	100.00-
D P SCRIME LAB Sum							100.00-
00001 D P S LAW ENFORCEMENT TR	90007321 DAV	00147001	14000772	REG-DAVIS TASER COURSE	10/31/14	241141	90.00-
D P SLAW ENFORCEMENT TR Sum							90.00-
00001 DATALINE ASSOCIATES	PCM28620	00146883	14000836	PRINTER SUPP INFO TECH	10/31/14	241142	3,002.10-
DATALINE ASSOCIATES Sum							3,002.10-
00001 DELGADO, DEBORAH DENARD	TRAV ADVANCE	00146796	14000684	TRAV ADV NLC AUSTIN,TX	10/31/14	241143	1,475.00-
DELGADO, DEBORAH DENARD Sum							1,475.00-
00001 DILLARDS DEPARTMENT STOR	P933600MB00X	00146260	14000632	CLOTH ALLOW MCLAURIN POLICE	10/31/14	241145	160.00-
00001 DILLARDS DEPARTMENT STOR	P933500MG00X	00146558	14000633	CLOTH ALLOW ROCKHOLD POLICE	10/31/14	241145	167.99-
00001 DILLARDS DEPARTMENT STOR	P933600MJ00X	00146607	14000634	CLOTH ALLOW HOFFER POLICE	10/31/14	241145	284.50-
DILLARDS DEPARTMENT STOR Sum							612.49-
00001 ECONOMY SUPPLY CO	221075	00146413	14000426	BLACK TOP PATCH/TOOLS TRAFFIC	10/31/14	241149	93.80-
00001 ECONOMY SUPPLY CO	220383	00146194	14000466	TERMINAL DOOR AIRPORT	10/31/14	241149	102.50-
00001 ECONOMY SUPPLY CO	221573	00146748	14000818	LOCK/DEADBOLT CONF ROOM DOOR	10/31/14	241149	75.90-
00001 ECONOMY SUPPLY CO	221749	00146894	14000890	DOOR HANDLE PINE ST GARG RSTR	10/31/14	241149	45.95-
ECONOMY SUPPLY CO Sum							318.15-
00001 EQUIFAX INFORMATION SERV	8713943 9/17	00146892	14000638	INVESTIGATIONS	10/31/14	241151	413.52-
00001 EQUIFAX INFORMATION SERV	8766356	00146892	14000639	INVESTIGATIONS	10/31/14	241151	10.62-
EQUIFAX INFORMATION SERV Sum							424.14-
00001 FASTENAL COMPANY	MSHAT173844	00144907	14000454	NUTS/BOLTS/SCREWS CONSTR	10/31/14	241153	245.64-
00001 FASTENAL COMPANY	MSHAT156563	00144907	14000469	BAL STMT	10/31/14	241153	2.47-
00001 FASTENAL COMPANY	MSHAT156647	00144907	14000470	BAL STMT	10/31/14	241153	2.47
00001 FASTENAL COMPANY	MSHAT175431	00146496	14000597	BARRICADE SCREWS TRAFF DEPT	10/31/14	241153	18.11-
00001 FASTENAL COMPANY	MSHAT175490	00146496	14000598	DRILL BIT FOR BARRICADES	10/31/14	241153	54.99-
00001 FASTENAL COMPANY	MSHAT173639	00145030	14000819	BLADES/GLOVES/SUPP CONSTR	10/31/14	241153	412.79-
00001 FASTENAL COMPANY	MSHAT175726	00146677	14000883	RAINSUITS DRAINAGE DEPT	10/31/14	241153	44.14-
FASTENAL COMPANY Sum							775.67-
00001 FERGUSON ENTERPRISES INC	1265478	00146550	14000570	PLUMB SUPP TRAIN DEPOT RESTRM	10/31/14	241154	42.37-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001 FERGUSON ENTERPRISES INC	1266424	00146789	14000811	SUPP REPRS TO MUN COURT ROOM	10/31/14	241154	101.74-
FERGUSON ENTERPRISES INC Sum							144.11-
00001 FIRESTONE COMPLETE AUTO	195998	00145616	14000640	BALANCE TIRES U#18999 POLICE	10/31/14	241155	29.99-
FIRESTONE COMPLETE AUTO Sum							29.99-
00001 FLOWERS BY MARIAM	20710	00146421	14000626	PINK RIBBONS CANCER AWARENESS	10/31/14	241156	240.00-
FLOWERS BY MARIAM Sum							240.00-
00001 FOREMOST PROMOTIONS	264881	00144322	14000419	FIRE EDUCATION SUPPLIES	10/31/14	241157	412.52-
00001 FOREMOST PROMOTIONS	276680	00144322	14000420	FIRE EDUCATION SUPPLIES	10/31/14	241157	829.49-
FOREMOST PROMOTIONS Sum							1,242.01-
00001 FORERUNNER TECHNOLOGIES,	12300695	00146800	14000571	PHONE/PAGING SYS MNT T DEPOT	10/31/14	241158	792.00-
00001 FORERUNNER TECHNOLOGIES,	11044575	00146800	14000572	PHONE/PAGING SYS MNT C HALL	10/31/14	241158	2,664.00-
00001 FORERUNNER TECHNOLOGIES,	11044583	00146800	14000573	PHONE/PAGING SYS MNT POLICE	10/31/14	241158	3,444.00-
00001 FORERUNNER TECHNOLOGIES,	11784592	00146800	14000574	PHONE/PAGING SYS MNT ACADEMY	10/31/14	241158	450.00-
FORERUNNER TECHNOLOGIES, Sum							7,350.00-
00001 FORESTRY SUPPLIERS INC	667018-00	00146656	14000665	FLOOD LIGHTS CEMETERY	10/31/14	241159	158.17-
FORESTRY SUPPLIERS INC Sum							158.17-
00001 FORREST CTY SUPERVISORS	JAIL 7/14 EX	00146955	14000778	JAIL 7/14 EXPENSES	10/31/14	241160	68,200.00-
00001 FORREST CTY SUPERVISORS	JAIL 7/14 ME	00146955	14000779	JAIL 7/14 MEDICAL	10/31/14	241160	1,906.78-
00001 FORREST CTY SUPERVISORS	JAIL 8/14 EX	00146955	14000780	JAIL 8/14 EXPENSES	10/31/14	241160	82,040.00-
00001 FORREST CTY SUPERVISORS	JAIL 8/14 ME	00146955	14000781	JAIL 8/14 MEDICAL	10/31/14	241160	2,910.69-
FORREST CTY SUPERVISORS Sum							155,057.47-
00001 FORREST GENERAL HEALTHCA	DAMAGE DEP R	00201537	14000518	DAMAGE DEPOSIT REFUND	10/31/14	241161	500.00-
FORREST GENERAL HEALTHCA Sum							500.00-
00001 FORREST GENERAL HOSPITAL	H90023966401	00146964	14000741	SRV 8/9/14 PATTERSON-PRISONER	10/31/14	241162	939.10-
00001 FORREST GENERAL HOSPITAL	H90024020300	00146964	14000742	SRV 8/11/14 PATTERSON-PRISONR	10/31/14	241162	2,935.70-
00001 FORREST GENERAL HOSPITAL	H90024255300	00146964	14000743	SRV 8/14/14 PATTERSON-PRISONR	10/31/14	241162	2,074.35-
00001 FORREST GENERAL HOSPITAL	H90022154900	00146964	14000744	SRV 7/2/14 WEATHERSBY-PRISONR	10/31/14	241162	2,709.05-
00001 FORREST GENERAL HOSPITAL	H90022414200	00146964	14000745	SRV 7/8/14 BURNETT-PRISONER	10/31/14	241162	4,955.55-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
FORREST GENERAL HOSPITAL							
Sum							13,613.75-
00001 FRANKLIN COVEY CO	82027652	00146254	14000587	OFFICE SUPP BOLTON/SIMS	10/31/14	241163	67.02-
FRANKLIN COVEY CO							
Sum							67.02-
00001 FROST, CURANDA	DAMAGE DEP R	00201537	14000517	DAMAGE DEPOSIT REFUND	10/31/14	241164	300.00-
FROST,CURANDA							
Sum							300.00-
00001 G & K SERVICES	1035537594	00146616	14000528	UNIFORMS 10/07 TRAFFIC	10/31/14	241173	33.45-
00001 G & K SERVICES	1035537608	00146616	14000529	UNIFORMS 10/07 STREET	10/31/14	241173	61.89-
00001 G & K SERVICES	1035537612	00146616	14000530	UNIFORMS 10/07 SHOP	10/31/14	241173	113.75-
00001 G & K SERVICES	1035537611	00146616	14000531	UNIFORMS 10/07 DRAINAGE	10/31/14	241173	122.06-
00001 G & K SERVICES	1035537607	00146616	14000532	UNIFORMS 10/07 DRAINAGE	10/31/14	241173	18.18-
00001 G & K SERVICES	1035537595	00146616	14000533	UNIFORMS 10/07 CONSTR	10/31/14	241173	58.97-
00001 G & K SERVICES	1035537610	00146616	14000534	UNIFORMS 10/07 SANIT	10/31/14	241173	133.47-
00001 G & K SERVICES	1035537609	00146616	14000535	UNIFORMS 10/07 HEALTH	10/31/14	241173	28.36-
00001 G & K SERVICES	1035537615	00146616	14000536	UNIFORMS 10/07 AIRPORT	10/31/14	241173	8.00-
00001 G & K SERVICES	1035539801	00146740	14000537	UNIFORMS 10/14 TRAFFIC	10/31/14	241173	33.45-
00001 G & K SERVICES	1035539815	00146740	14000538	UNIFORMS 10/14 STREET	10/31/14	241173	61.89-
00001 G & K SERVICES	1035539819	00146740	14000539	UNIFORMS 10/14 SHOP	10/31/14	241173	162.71-
00001 G & K SERVICES	1035539814	00146740	14000540	UNIFORMS 10/14 DRAINAGE	10/31/14	241173	18.18-
00001 G & K SERVICES	1035539818	00146740	14000541	UNIFORMS 10/14 DRAINAGE	10/31/14	241173	122.06-
00001 G & K SERVICES	1035539802	00146740	14000542	UNIFORMS 10/14 CONSTR	10/31/14	241173	55.99-
00001 G & K SERVICES	1035539817	00146740	14000543	UNIFORMS 10/14 SANIT	10/31/14	241173	206.09-
00001 G & K SERVICES	1035539816	00146740	14000544	UNIFORMS 10/14 HEALTH	10/31/14	241173	28.37-
00001 G & K SERVICES	1035539822	00146740	14000545	UNIFORMS 10/14 AIRPORT	10/31/14	241173	8.00-
00001 G & K SERVICES	1035537613	00146614	14000551	MOP/MAT 10/07 GO&FS	10/31/14	241173	16.65-
00001 G & K SERVICES	1035537614	00146614	14000552	MOP/MAT 10/07 GO&FS	10/31/14	241173	21.80-
00001 G & K SERVICES	1035537569	00146614	14000553	MOP/MAT 10/07 CONSTR	10/31/14	241173	6.40-
00001 G & K SERVICES	1035537611	00146614	14000554	MOP/MAT 10/07 SANIT	10/31/14	241173	1.70-
00001 G & K SERVICES	1035537615	00146614	14000555	MOP/MAT 10/07 AIRPORT	10/31/14	241173	4.70-
00001 G & K SERVICES	1035539820	00146739	14000556	MOP/MAT 10/14 GO&FS	10/31/14	241173	16.65-
00001 G & K SERVICES	1035539821	00146739	14000557	MOP/MAT 10/14 GO&FS	10/31/14	241173	21.80-
00001 G & K SERVICES	1035509803	00146739	14000558	MOP/MAT 10/14 TRAFFIC	10/31/14	241173	6.40-
00001 G & K SERVICES	1035539818	00146739	14000559	MOP/MAT 10/14 SANIT	10/31/14	241173	1.70-
00001 G & K SERVICES	1035539822	00146739	14000560	MOP/MAT 10/14 AIRPORT	10/31/14	241173	4.70-
00001 G & K SERVICES	1035535413	00146742	14000561	MOP/MAT 9/30 SANIT	10/31/14	241173	1.70-
00001 G & K SERVICES	1035535417	00146742	14000562	MOP/MAT 9/30 AIRPORT	10/31/14	241173	4.70-
00001 G & K SERVICES	1035515665	00146742	14000563	MOP/MAT 7/29 AIRPORT	10/31/14	241173	4.70-
00001 G & K SERVICES	1035517842	00146880	14000674	UNIFORMS 8/05 ENGR	10/31/14	241173	9.12-
00001 G & K SERVICES	1035520020	00146880	14000675	UNIFORMS/MOP 8/12 ENGR	10/31/14	241173	9.12-
00001 G & K SERVICES	1035524394	00146880	14000676	UNIFORMS/MOP 8/26 ENGR	10/31/14	241173	9.12-
00001 G & K SERVICES	1035526599	00146880	14000677	UNIFORMS/MOP 9/02 ENGR	10/31/14	241173	9.00-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001	G & K SERVICES	1035528796	00146880	14000678	UNIFORMS/MOP 9/09 ENGR	10/31/14	241173	9.00-
00001	G & K SERVICES	1035531011	00146880	14000679	UNIFORMS/MOP 916 ENGR	10/31/14	241173	9.00-
00001	G & K SERVICES	1035533200	00146880	14000680	UNIFORMS/MOP 9/23 ENGR	10/31/14	241173	9.00-
00001	G & K SERVICES	1035535395	00146880	14000681	UNIFORMS/MOP 9/30 ENGR	10/31/14	241173	9.00-
00001	G & K SERVICES	1035541985	00146954	14000716	UNIFORMS 10/21 TRAFFIC	10/31/14	241173	34.72-
00001	G & K SERVICES	1035541999	00146954	14000717	UNIFORMS 10/21 STREET	10/31/14	241173	61.45-
00001	G & K SERVICES	1035542003	00146954	14000718	UNIFORMS 10/21 SHOP	10/31/14	241173	83.27-
00001	G & K SERVICES	1035541998	00146954	14000719	UNIFORMS 10/21 DRAINAGE	10/31/14	241173	18.18-
00001	G & K SERVICES	1035541986	00146954	14000720	UNIFORMS 10/21 CONSTR	10/31/14	241173	69.23-
00001	G & K SERVICES	1035542001	00146954	14000721	UNIFORMS 10/21 SANIT	10/31/14	241173	67.83-
00001	G & K SERVICES	1035542002	00146954	14000722	UNIFORMS 10/21 SANIT	10/31/14	241173	115.44-
00001	G & K SERVICES	1035542000	00146954	14000723	UNIFORMS 10/21 HEALTH	10/31/14	241173	28.37-
00001	G & K SERVICES	1035542006	00146954	14000724	UNIFORMS 10/21 AIRPORT	10/31/14	241173	8.00-
00001	G & K SERVICES	1035542004	00146960	14000725	MATS 10/21 GO&FS	10/31/14	241173	16.65-
00001	G & K SERVICES	1035542005	00146960	14000726	MATS 10/21 CITY BARN	10/31/14	241173	21.80-
00001	G & K SERVICES	1035541987	00146960	14000727	MATS 10/21 TRAFFIC/CONSTR	10/31/14	241173	6.40-
00001	G & K SERVICES	1035542002	00146960	14000728	MATS 10/21 SANIT	10/31/14	241173	1.70-
00001	G & K SERVICES	1035542006	00146960	14000729	MATS 10/21 AIRPORT	10/31/14	241173	4.70-

G & KSERVICES								
Sum								1,998.57-
00001	G & O SUPPLY, INC	G6393	00146706	14000656	DRAIN PIPE STOCK	10/31/14	241174	930.00-

G & OSUPPLY, INC								
Sum								930.00-
00001	GALL'S INC	002559209	00146652	14000575	BELT BADGE HOLDERS POLICE	10/31/14	241175	186.75-
00001	GALL'S INC	002527050	00146288	14000589	MOURNING BANDS POLICE DEPT	10/31/14	241175	126.83-
00001	GALL'S INC	002522880	00145903	14000590	RPLCMNT HOLSTER A2	10/31/14	241175	57.94-

GALL'SINC								
Sum								371.52-
00001	GANDER MOUNTAIN	315-020-5614	00146703	14000617	SHOES PK VIOLATION OFFICER	10/31/14	241176	116.99-

GANDERMOUNTAIN								
Sum								116.99-
00001	GARNER LUMLEY ELECTRIC S	505256	00146265	14000457	ELEC SUPP MOBILE ST FESTIVAL	10/31/14	241177	156.07-
00001	GARNER LUMLEY ELECTRIC S	505441	00146465	14000609	ELEC SUPP D/T CHRISTMAS LITES	10/31/14	241177	206.00-
00001	GARNER LUMLEY ELECTRIC S	505444	00146438	14000611	ELEC SUPP SANIT DEPT	10/31/14	241177	242.31-
00001	GARNER LUMLEY ELECTRIC S	505502	00146517	14000816	ELEC SUPP SHOP STOCK	10/31/14	241177	953.05-

GARNERLUMLEY ELECTRIC S								
Sum								1,557.43-
00001	GILLILANDS ELECTRONICS S	58077	00146090	14000595	PHONE SYS REPR FIRE ADM OFFC	10/31/14	241178	75.00-
00001	GILLILANDS ELECTRONICS S	58196	00146316	14000608	NEW TV CABLE MCKINLEY'S OFFC	10/31/14	241178	129.95-
00001	GILLILANDS ELECTRONICS S	58266	00146802	14000615	#4 GATE REPAIR AIRPORT	10/31/14	241178	539.98-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum							191.17-
00001 H'BURG ORAL SURGERY	295688/95105	00146962	14000750	SRV 8/28/14 PAYTON-PRISONER	10/31/14	241187	150.00-
00001 H'BURG ORAL SURGERY	295687/95105	00146962	14000751	SRV 8/21/14 PAYTON-PRISONER	10/31/14	241187	155.00-
H'BURG ORAL SURGERY							
Sum							305.00-
00001 HANCOCK BANK TRUST & FIN	10/24/14	00201559	14000683	MDB 2001 BONDS 12/22/08	10/24/14	19307	2,081.50-
HANCOCK BANK TRUST & FIN							
Sum							2,081.50-
00001 HEALTHWORKS LLC	2025000123 3	00147155	14000857	PRE-EMP PHYSICAL J MORRIS	10/31/14	241188	113.00-
HEALTHWORKS LLC							
Sum							113.00-
00001 HERRIN GEAR BMW	PQ4017	00146902	14000637	KEYS U#18762 POLICE	10/31/14	241189	215.98-
HERRIN GEAR BMW							
Sum							215.98-
00001 HILL, LEROY COFFEE CO IN	18659	00147086	14000830	COFFEE SERV M/ADM	10/31/14	241190	75.69-
HILL, LEROY COFFEE CO IN							
Sum							75.69-
00001 HOME DEPOT	1041173	00145949	14000427	VACUUM TRAFF SIGNAL EQUIP	10/31/14	241192	182.28-
00001 HOME DEPOT	1974386	00145864	14000429	AIR COMPRESSOR SUPP HEALTH	10/31/14	241192	130.25-
00001 HOME DEPOT	9974555	00146332	14000430	SPRAY PAINT STREET DEPT	10/31/14	241192	47.28-
00001 HOME DEPOT	9974404	00145924	14000441	AIR HOSE SHOP	10/31/14	241192	59.96-
00001 HOME DEPOT	6974584	00146490	14000520	WASP/HORNET SPRAY DRAINAGE	10/31/14	241192	34.05-
00001 HOME DEPOT	6974592	00146518	14000521	SAFETY GLOVES HEALTH CREWS	10/31/14	241192	200.00-
HOME DEPOT							
Sum							653.82-
00001 INDOFF INC	2528603	00146523	14000594	JANIT SUPP FIRE ADM	10/31/14	241194	231.52-
00001 INDOFF INC	2530334	00146661	14000696	JANIT SUPP FIRE DEPT	10/31/14	241194	1,199.14-
00001 INDOFF INC	2530435	00146661	14000697	JANIT SUPP FIRE DEPT	10/31/14	241194	71.77-
00001 INDOFF INC	2531723	00146779	14000774	OFFICE SUPP FIRE DEPT	10/31/14	241194	86.96-
INDOFF INC							
Sum							1,589.39-
00001 INGRAM EQUIPMENT CO LLC	S243-IN	00146516	14000478	EST TO REPR VARI GARBAGE TRKS	10/31/14	241195	393.96-
00001 INGRAM EQUIPMENT CO LLC	0021996-IN	00146391	14000612	REPR PTS SANIT STOCK	10/31/14	241195	669.53-
INGRAM EQUIPMENT CO LLC							
Sum							1,063.49-
00001 INNOVATIVE SERVICE SOLUT	20140122	00146245	14000647	INSPECT FIRE DEFIBRILLATORS	10/31/14	241196	1,045.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
INNOVATIVE SERVICE SOLUT							
Sum							1,045.00-
00001 INTAPOL INDUSTRIES, INC	0216883	00146473	14000591	MOTORCYCLE HELMETS	10/31/14	241197	1,786.39-
00001 INTAPOL INDUSTRIES, INC	0217059	00146717	14000803	MTRCYCLE HELMET MORRIS POLICE	10/31/14	241197	263.98-
INTAPOL INDUSTRIES, INC							
Sum							2,050.37-
00001 IRBY, STUART C CO	S008556141.0	00146076	14000467	ELEC SUPP AIRPT RUNWAY LIGHTS	10/31/14	241198	667.32-
00001 IRBY, STUART C CO	S008514838.0	00145067	14000477	ELEC SUPP 9/14 POLICE DEPT	10/31/14	241198	30.39-
00001 IRBY, STUART C CO	S008584016.0	00146051	14000479	ELEC SUPP AIRPT PAPPALIGHTS	10/31/14	241198	293.52-
00001 IRBY, STUART C CO	S008587197.0	00146051	14000480	CREDIT	10/31/14	241198	313.68
00001 IRBY, STUART C CO	S008598247.0	00146513	14000605	ELEC SUPP ENGR DEPT LIGHTS	10/31/14	241198	45.63-
00001 IRBY, STUART C CO	S008594094.0	00146462	14000607	ELEC SUPP P/F SHOP	10/31/14	241198	189.17-
IRBY,STUART C CO							
Sum							912.35-
00001 JACKSON COMMUNICATIONS	W15917	00144805	14000421	INSTALL RADIO U#19835 FIRE	10/31/14	241199	209.00-
JACKSON COMMUNICATIONS							
Sum							209.00-
00001 JACKSON, JOHNNY	TRAV ADVANCE	00147158	14000863	TRAV ADV FIRE INVEST SCHOOL	10/31/14	241200	471.00-
JACKSON, JOHNNY							
Sum							471.00-
00001 JET CONSTRUCTION	1964	00144804	14000600	MASON SAND STREET DEPT	10/31/14	241202	592.00-
JET CONSTRUCTION							
Sum							592.00-
00001 JOHNNIE WRIGHT RADIATOR	74203	00146301	14000663	RADIATOR U#7526 HEALTH	10/31/14	241203	338.62-
JOHNNIE WRIGHT RADIATOR							
Sum							338.62-
00001 JOHNNY'S WRECKER SERVICE	23220	00146439	14000462	PULL OUT U#19755 4TH/MOBILE	10/31/14	241204	250.00-
JOHNNY'S WRECKER SERVICE							
Sum							250.00-
00001 K & K TRUCK-TRAILER PART	59782	00144392	14000431	REPR PTS U#8643 STREET	10/31/14	241207	315.39-
00001 K & K TRUCK-TRAILER PART	60148	00146299	14000432	REPR PTS U#7870 STREET	10/31/14	241207	47.20-
00001 K & K TRUCK-TRAILER PART	60422	00146798	14000652	REPR PTS U#5800 STREET	10/31/14	241207	508.29-
K & KTRUCK-TRAILER PART							
Sum							870.88-
00001 KONE INC (MONTGOMERY KON	221587231	00146772	14000395	MAINT 10/14-12/14 CITY HALL	10/31/14	241213	1,100.97-
00001 KONE INC (MONTGOMERY KON	221588523	00146746	14000414	MAINT 10/14-9/15 POLICE DEPT	10/31/14	241213	12,469.20-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
KONE INC (MONTGOMERY KON Sum							13,570.17-
00001 LAFAYETTE INSTRUMENT CO	10570	00146855	14000854	POLYGRAPH MACHINE REPR PTS	10/31/14	241215	417.95-
LAFAYETTE INSTRUMENT CO Sum							417.95-
00001 LAMAR CTY SHERIFF	JAIL 9/14	00146957	14000704	JAIL EXPENSE 9/14	10/31/14	241217	80.00-
LAMARCTY SHERIFF Sum							80.00-
00001 LANCASTER'S MACHINE & WE	21972	00146712	14000660	REPR STUDS U#17727 SANIT	10/31/14	241218	180.00-
00001 LANCASTER'S MACHINE & WE	21974	00146893	14000661	WRECK REPR U#17725 SANIT	10/31/14	241218	725.00-
00001 LANCASTER'S MACHINE & WE	21986	00146979	14000889	REPRS U#17723 SANIT	10/31/14	241218	1,255.00-
LANCASTER'S MACHINE & WE Sum							2,160.00-
00001 LASERTEC	11888	00146611	14000569	PAYROLL CK SELF-MAILER CHGS	10/31/14	241219	900.00-
LASERTEC Sum							900.00-
00001 LAUREL MACHINE & FOUNDRY	480366	00146319	14000583	WELDING SUPP SHOP	10/31/14	241220	885.32-
LAURELMACHINE & FOUNDRY Sum							885.32-
00001 LAWRENCE PRINTING CO INC	78807	00145688	14000826	TRAFFIC CITATIONS MUN COURT	10/31/14	241221	1,433.11-
00001 LAWRENCE PRINTING CO INC	78113 FRT	00147121	14000827	FRT CHGS PO#145992	10/31/14	241221	45.67-
00001 LAWRENCE PRINTING CO INC	78807 FRT	00147121	14000828	FRT CHGS PO#145688	10/31/14	241221	61.48-
LAWRENCE PRINTING CO INC Sum							1,540.26-
00001 LEAF FOUNDATION, THE	PAGEANT BOOK	00145440	14000390	BRONZE PATRON AD M/ADM	10/31/14	241222	100.00-
LEAF FOUNDATION, THE Sum							100.00-
00001 LEGAL BRIEFINGS FOR FIRE	15419882	00144874	14000644	FIRE INSPECT LAW BULLETINS	10/31/14	241223	158.48-
LEGALBRIEFINGS FOR FIRE Sum							158.48-
00001 LEXISNEXIS MATTHEW BENDE	64459381	00147156	14000850	2014 MS CODE COURT RULES	10/31/14	241224	54.93-
LEXISNEXIS MATTHEW BENDE Sum							54.93-
00001 LIGHTSEY & ASSOCIATES	CITY OF HATT	00147150	14000876	SRVS 4TH ST IMP PHASE I	10/31/14	241225	600.00-
LIGHTSEY & ASSOCIATES							

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
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Sum								600.00-
00001	M M C MATERIALS INC	328276	00144055	14000481	CONCRETE VARI LOC	10/31/14	241230	1,015.00-
00001	M M C MATERIALS INC	328753	00144055	14000482	CONCRETE VARI LOC	10/31/14	241230	580.00-
00001	M M C MATERIALS INC	328763	00144055	14000483	CONCRETE VARI LOC	10/31/14	241230	471.25-
00001	M M C MATERIALS INC	328999	00144055	14000484	CONCRETE VARI LOC	10/31/14	241230	580.00-
00001	M M C MATERIALS INC	329001	00144055	14000485	CONCRETE VARI LOC	10/31/14	241230	580.00-
00001	M M C MATERIALS INC	329396	00144055	14000486	CONCRETE VARI LOC	10/31/14	241230	725.00-
00001	M M C MATERIALS INC	329413	00144055	14000487	CONCRETE VARI LOC	10/31/14	241230	1,268.75-
00001	M M C MATERIALS INC	330306	00144055	14000488	CONCRETE VARI LOC	10/31/14	241230	145.00-
00001	M M C MATERIALS INC	330313	00144055	14000489	CONCRETE VARI LOC	10/31/14	241230	344.38-
00001	M M C MATERIALS INC	331518	00144055	14000490	CONCRETE VARI LOC	10/31/14	241230	362.50-
00001	M M C MATERIALS INC	331535	00144055	14000491	CONCRETE VARI LOC	10/31/14	241230	217.50-
00001	M M C MATERIALS INC	332226	00144055	14000492	CONCRETE VARI LOC	10/31/14	241230	72.50-
00001	M M C MATERIALS INC	332246	00144055	14000493	CONCRETE VARI LOC	10/31/14	241230	580.00-
00001	M M C MATERIALS INC	333264	00144055	14000494	CONCRETE VARI LOC	10/31/14	241230	580.00-
00001	M M C MATERIALS INC	333744	00144055	14000495	CONCRETE VARI LOC	10/31/14	241230	217.50-
00001	M M C MATERIALS INC	334553	00144055	14000496	CONCRETE VARI LOC	10/31/14	241230	217.50-
00001	M M C MATERIALS INC	334572	00144055	14000497	CONCRETE VARI LOC	10/31/14	241230	290.00-
00001	M M C MATERIALS INC	334814	00144055	14000498	CONCRETE VARI LOC	10/31/14	241230	217.50-
00001	M M C MATERIALS INC	335399	00144055	14000499	CONCRETE VARI LOC	10/31/14	241230	290.00-
00001	M M C MATERIALS INC	336950	00144055	14000500	CONCRETE VARI LOC	10/31/14	241230	471.25-
00001	M M C MATERIALS INC	337164	00144055	14000501	CONCRETE VARI LOC	10/31/14	241230	362.50-
00001	M M C MATERIALS INC	337212	00144055	14000502	CONCRETE VARI LOC	10/31/14	241230	290.00-
00001	M M C MATERIALS INC	339579	00144055	14000503	CONCRETE VARI LOC	10/31/14	241230	362.50-
00001	M M C MATERIALS INC	339580	00144055	14000504	CONCRETE VARI LOC	10/31/14	241230	290.00-
00001	M M C MATERIALS INC	339604	00144055	14000505	CONCRETE VARI LOC	10/31/14	241230	435.00-
00001	M M C MATERIALS INC	339613	00144055	14000506	CONCRETE VARI LOC	10/31/14	241230	217.50-
00001	M M C MATERIALS INC	339887	00144055	14000507	CONCRETE VARI LOC	10/31/14	241230	616.25-
00001	M M C MATERIALS INC	340348	00144055	14000508	CONCRETE VARI LOC	10/31/14	241230	290.00-
00001	M M C MATERIALS INC	340757	00144055	14000509	CONCRETE VARI LOC	10/31/14	241230	507.50-
00001	M M C MATERIALS INC	340775	00144055	14000510	CONCRETE VARI LOC	10/31/14	241230	362.50-
00001	M M C MATERIALS INC	341979	00144055	14000512	CONCRETE VARI LOC	10/31/14	241230	253.75-
00001	M M C MATERIALS INC	342040	00144055	14000513	CONCRETE VARI LOC	10/31/14	241230	507.50-

M M CMATERIALS INC								
Sum								13,720.63-
00001	MAULDIN COMPANY	31502	00146389	14000871	REPR PTS U#15776 STREET	10/31/14	241231	37.97-
00001	MAULDIN COMPANY	31501	00146727	14000872	REPR PTS U#15514 STREET	10/31/14	241231	173.19-

MAULDIN COMPANY								
Sum								211.16-
00001	MCCAIN UNIFORMS	296027-1	00146504	14000853	TROUSERS DOLISON POLICE	10/31/14	241232	375.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001 MCMULLAN EQUIPMENT CO	155134P	00144233	14000593	REPR PTS POLICE STOCK	10/31/14	241236	61.09-
MCMULLAN EQUIPMENT CO							
Sum							61.09-
00001 MEDICAL ANALYSIS-GHV	10104	00146681	14000402	9/14 CLINIC MEDS LAB FEES	10/31/14	241239	3,897.22-
00001 MEDICAL ANALYSIS-GHV	INV 3	00146682	14000403	MEDICAL CLINIC 10/14	10/31/14	241239	22,195.00-
00001 MEDICAL ANALYSIS-GHV	10105	00147103	14000848	11/14 BILL CLINIC MGMT/STAFF	10/31/14	241239	29,000.00-
MEDICAL ANALYSIS-GHV							
Sum							55,092.22-
00001 MID SOUTH UNIFORM & SUPP	521491	00146665	14000635	WINTER JACKETS POLICE STOCK	10/31/14	241241	460.00-
MID SOUTH UNIFORM & SUPP							
Sum							460.00-
00001 MIKE'S TIRE & WHEEL CO	2177081	00146330	14000433	TIRE TUBES STREET STOCK	10/31/14	241242	61.56-
00001 MIKE'S TIRE & WHEEL CO	2177082	00146330	14000434	TIRE TUBES STREET STOCK	10/31/14	241242	41.04-
00001 MIKE'S TIRE & WHEEL CO	2177265	00146554	14000435	TIRE TUBES U#15515 STREET	10/31/14	241242	213.40-
00001 MIKE'S TIRE & WHEEL CO	2177437	00146965	14000886	TIRE REPR SUPP SANIT DEPT	10/31/14	241242	84.60-
MIKE'S TIRE & WHEEL CO							
Sum							400.60-
00001 MISSISSIPPI POWER (REFUN	DAMAGE DEP R	00201561	14000823	DAMAGE DEPOSIT REFUND	10/31/14	241243	100.00-
MISSISSIPPI POWER (REFUN							
Sum							100.00-
00001 MOFFETT, STEPHANIE	PETTY CASH 1	00147061	14000817	PETTY CASH PUBLIC WORKS	10/31/14	241244	257.25-
MOFFETT, STEPHANIE							
Sum							257.25-
00001 MS DEPARTMENT OF ENVIRON	2:12 CV 0003	00146676	14000522	GRN VS COH CONSENT JUDGEMENT	10/21/14	19261	40,000.00-
00001 MS DEPARTMENT OF ENVIRON	2:12-CV-0003	00146676	14000404	SETLMNT GULF RESTORA VS CITY	10/31/14	241247	40,000.00-
MS DEPARTMENT OF ENVIRON							
Sum							80,000.00-
00001 MS MUNICIPAL LEAGUE	21144	00146743	14000406	MBRSHIP DUES 10/14-9/15	10/31/14	241248	14,097.00-
MS MUNICIPAL LEAGUE							
Sum							14,097.00-
00001 MS POLICE SUPPLY CO INC	13428	00146668	14000636	DUTY HOLSTER MISENHELTER	10/31/14	241249	149.95-
00001 MS POLICE SUPPLY CO INC	13445	00146609	14000805	DUTY HOLSTERS RECRUIT CLASS	10/31/14	241249	1,087.50-
MS POLICE SUPPLY CO INC							
Sum							1,237.45-
00001 MS POWER COMPANY	10/14 GENERA	00020152	14000791	MNTHLY ELEC-GENERAL	10/31/14	241250	116,393.25-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
MS POWER COMPANY							
Sum							116,393.25-
00001 MS PROSECUTORS ASSN	MBRSH 7/14-6	00146874	14000625	MBRSHP 7/14-6/15 O'FLYNN	10/31/14	241251	56.00-
MS PROSECUTORS ASSN							
Sum							56.00-
00001 MS STATE/SECRETARY OF ST	NOTARY APPL-	00147073	14000815	NOTARY APPL DAHMER ENGR DEPT	10/31/14	241253	25.00-
00001 MS STATE/SECRETARY OF ST	NOTARY FEE-Y	00147149	14000849	NOTARY FEE YOUNG M CLK DEPT	10/31/14	241253	25.00-
MS STATE/SECRETARY OF ST							
Sum							50.00-
00001 MS STATE/TAX COMM/UNDERC	PO#147123 10	00147123	14000856	TAG U#16640 UNDERCOVER UNIT	10/31/14	241254	14.75-
MS STATE/TAX COMM/UNDERC							
Sum							14.75-
00001 MULTITECH OFFICE MACHINE	14100541	00146599	14000798	PRINTER SUPP INFO TECH	10/31/14	241255	4,403.00-
00001 MULTITECH OFFICE MACHINE	14100772	00146599	14000799	PRINTER SUPP INFO TECH	10/31/14	241255	66.95-
00001 MULTITECH OFFICE MACHINE	14100773	00146599	14000800	PRINTER SUPP INFO TECH	10/31/14	241255	410.70-
MULTITECH OFFICE MACHINE							
Sum							4,880.65-
00001 NADA APPRAISAL GUIDES	587231 10/07	00146833	14000568	OLDER USED CAR GUIDE RNWL	10/31/14	241256	75.00-
NADA APPRAISAL GUIDES							
Sum							75.00-
00001 NAPA AUTO PARTS	510920	00144239	14000410	REPR PTS POLICE DEPT	10/31/14	241257	46.80-
00001 NAPA AUTO PARTS	516194	00146782	14000578	REPR PTS U#18498 FIRE DEPT	10/31/14	241257	37.80-
00001 NAPA AUTO PARTS	516237	00146795	14000579	REPR PTS U#14699 FIRE DEPT	10/31/14	241257	43.85-
00001 NAPA AUTO PARTS	516272	00146814	14000646	FIRE MECHANIC STOCK SUPPLIES	10/31/14	241257	4,962.84-
00001 NAPA AUTO PARTS	516440	00146923	14000699	REPR PTS U#14516 FIRE DEPT	10/31/14	241257	85.17-
00001 NAPA AUTO PARTS	515951	00146629	14000705	REPR PTS U#14956 ST/SHOP	10/31/14	241257	33.77-
00001 NAPA AUTO PARTS	516323	00146843	14000712	HEX KEYSETS SANIT STOCK	10/31/14	241257	36.98-
00001 NAPA AUTO PARTS	515948	00146627	14000768	REPR PTS POLICE STOCK	10/31/14	241257	567.44-
NAPA AUTO PARTS							
Sum							5,814.65-
00001 NEEL-SCHAFFER INC	1019810-1020	00147004	14000782	SRV 6/14-7/14 STORMWTR 2014	10/31/14	241260	15,693.45-
00001 NEEL-SCHAFFER INC	1020622	00147007	14000783	SRV 8/14 STORMWTR 2014	10/31/14	241260	7,321.35-
00001 NEEL-SCHAFFER INC	1020617	00147008	14000784	SRV 8/14 ADA TRANSITION PLAN	10/31/14	241260	3,200.29-
NEEL-SCHAFFER INC							
Sum							26,215.09-
00001 NEWELL PAPER COMPANY	825157	00146528	14000407	JANIT SUPP POLICE DEPT	10/31/14	241261	1,085.44-
NEWELLPAPER COMPANY							

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum							1,085.44-
00001 OFFICE DEPOT INC	730076888001	00145840	14000442	OFFICE SUPP PUBLIC WORKS	10/31/14	241264	128.35-
00001 OFFICE DEPOT INC	730076889001	00145840	14000443	OFFICE SUPP PUBLIC WORKS	10/31/14	241264	6.89-
00001 OFFICE DEPOT INC	730076890001	00145840	14000444	OFFICE SUPP PUBLIC WORKS	10/31/14	241264	27.98-
00001 OFFICE DEPOT INC	730101052001	00145744	14000471	OFFICE SUPP MPO DEPT	10/31/14	241264	135.80-
00001 OFFICE DEPOT INC	730101053001	00145744	14000472	OFFICE SUPP MPO DEPT	10/31/14	241264	12.92-
00001 OFFICE DEPOT INC	730101054001	00145744	14000473	OFFICE SUPP MPO DEPT	10/31/14	241264	228.31-
00001 OFFICE DEPOT INC	730101055001	00145744	14000474	OFFICE SUPP MPO DEPT	10/31/14	241264	49.98-
00001 OFFICE DEPOT INC	730101056001	00145744	14000475	OFFICE SUPP MPO DEPT	10/31/14	241264	91.84-
00001 OFFICE DEPOT INC	730101057001	00145744	14000476	OFFICE SUPP MPO DEPT	10/31/14	241264	61.98-
00001 OFFICE DEPOT INC	1723180462	00146349	14000618	OFFICE SUPP INFO TECH	10/31/14	241264	2,697.41-
00001 OFFICE DEPOT INC	735262900001	00146580	14000840	PLOTTER PAPER GIS DEPT	10/31/14	241264	64.47-
OFFICEDEPOT INC							
Sum							3,505.93-
00001 OXFORD CONFERENCE CENTER	REG-COLLINS	00147012	14000773	REG-COLLINS CHIEF'S TRNG CONF	10/31/14	241267	99.00-
OXFORDCONFERENCE CENTER							
Sum							99.00-
00001 PALM PROPERTY DEVELOPMEN	AUG-OCT 2014	00146686	14000523	DRVR LIC RENEWAL STA LEASE	10/21/14	19262	3,300.00-
PALM PROPERTY DEVELOPMEN							
Sum							3,300.00-
00001 PAWN SHOP PLUS, THE	PO#146806 10	00146806	14000592	PEPPER SPRAY CASES RECRUITS	10/31/14	241268	439.00-
PAWN SHOP PLUS, THE							
Sum							439.00-
00001 PEARL RIVER VALLEY EPA (	10/14 GENERA	00020152	14000790	MNTHLY 10/14 PUBLIC SERVICES	10/31/14	241269	1,354.06-
PEARLRIVER VALLEY EPA (							
Sum							1,354.06-
00001 PEARSON VUE	0014-6643-96	00146237	14000424	B12 EXAM RETAKE M JOHNSON	10/31/14	241270	168.00-
00001 PEARSON VUE	0014-3400-94	00146119	14000776	REG-MITCHELL LAND CODE EXAMS	10/31/14	241270	232.00-
00001 PEARSON VUE	0014-3404-85	00146119	14000777	REG-JOHNSON LAND CODE EXAM	10/31/14	241270	189.00-
PEARSON VUE							
Sum							589.00-
00001 PETROLEUM TRADERS	827878	00146588	14000585	DIESEL FOR P/W FUEL STA	10/31/14	241271	12,978.59-
PETROLEUM TRADERS							
Sum							12,978.59-
00001 PINE BELT OIL COMPANY IN	830666	00146773	14000610	MOTOR OIL P/W VEHICLES	10/31/14	241273	2,179.40-
00001 PINE BELT OIL COMPANY IN	1022786	00146303	14000621	GASOLINE FOR P/F FUEL STA	10/31/14	241273	16,391.46-
00001 PINE BELT OIL COMPANY IN	1023583	00146587	14000622	GASOLINE FOR P/F FUEL STA	10/31/14	241273	16,275.31-
00001 PINE BELT OIL COMPANY IN	1021704	00146813	14000623	GAS/DIESEL P/F FUEL STA	10/31/14	241273	20,036.80-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00001	RJ YOUNG COMPANY	INV417303	00146881	14000653	COPIER 6/25-7/25 ENGR DEPT	10/31/14	241286	306.78-
00001	RJ YOUNG COMPANY	INV499608	00146881	14000654	COPIER 8/27-9/26 ENGR DEPT	10/31/14	241286	350.05-
00001	RJ YOUNG COMPANY	INV541410	00146881	14000655	COPIER 9/25-10/25 ENGR DEPT	10/31/14	241286	360.59-
00001	RJ YOUNG COMPANY	INV540488	00146982	14000691	COPIER 7/28-8/27 PLANNING	10/31/14	241286	1,458.25-
00001	RJ YOUNG COMPANY	INV493119	00146982	14000692	COPIER 7/28-8/27 PLANNING	10/31/14	241286	390.00-
00001	RJ YOUNG COMPANY	585794	00147104	14000834	COPIER 5/18-10/17 HUMAN RES	10/31/14	241286	1,786.25-
00001	RJ YOUNG COMPANY	585797	00147104	14000835	FINAL OVERAGE 5/18-10/17 H RE	10/31/14	241286	102.56-
RJ YOUNG COMPANY								4,754.48-
Sum								98.50-
00001	RYAN MOTORS INC	230519	00146420	14000422	PROGRAM RADIO CODE J DAWSON	10/31/14	241288	37.18-
00001	RYAN MOTORS INC	202416	00146555	14000458	REPR PTS U#14497 CONSTR	10/31/14	241288	
RYAN MOTORS INC								135.68-
Sum								187.97-
00001	SACKS OUTDOOR SUPPLY	18732	00146763	14000408	CLOTH ALLOW BYRD POLICE DEPT	10/31/14	241291	225.98-
00001	SACKS OUTDOOR SUPPLY	18733	00146763	14000409	CLOTH ALLOW RUPLE POLICE DEPT	10/31/14	241291	
SACKSOUTDOOR SUPPLY								413.95-
Sum								394.28-
00001	SIGNS FIRST	H-47457	00144897	14000698	FIRE DEPT MARKINGS U#19835	10/31/14	241292	
SIGNSFIRST								394.28-
Sum								5,991.00-
00001	SMITH, JIM SERVICES	82496	00145842	14000839	NEW HEAT PUMP MAYOR'S CONF RM	10/31/14	241293	
SMITH,JIM SERVICES								5,991.00-
Sum								119.22-
00001	SOLAR SUPPLY INC	3460815	00146505	14000453	HVAC GAUGES CONSTR	10/31/14	241294	708.00-
00001	SOLAR SUPPLY INC	33461149	00146925	14000709	HVAC SUPP CONSTR DEPT	10/31/14	241294	90.38-
00001	SOLAR SUPPLY INC	3461249	00147047	14000838	A/C SUPP FED GRANTS/3RD FLR	10/31/14	241294	99.72-
00001	SOLAR SUPPLY INC	3461148	00146918	14000875	A/C FILTERS ENGR DEPT	10/31/14	241294	
SOLARSUPPLY INC								1,017.32-
Sum								1,153.00-
00001	SOUTH MS EMERGENCY PHYSI	139247463/27	00146958	14000752	SRV 8/21/14 PAYTON-PRISONER	10/31/14	241296	763.00-
00001	SOUTH MS EMERGENCY PHYSI	21455787-27-	00146958	14000753	SRV MCKINES-PRISONER	10/31/14	241296	293.00-
00001	SOUTH MS EMERGENCY PHYSI	137261057/27	00146958	14000754	SRV 7/3/14 SMITH-PRISONER	10/31/14	241296	
SOUTHMS EMERGENCY PHYSI								2,209.00-
Sum								549.89-
00001	SOUTHERN FINANCIAL SYSTE	CMCHAT2 9/16	00201550	14000515	POLICE FINES COLL.FEE	10/31/14	241299	73.00-
00001	SOUTHERN FINANCIAL SYSTE	CMCHAT 9/16-	00201551	14000516	POLICE FINES COLL.FEE	10/31/14	241299	1,428.24-
00001	SOUTHERN FINANCIAL SYSTE	CMCHAT2 10/1	00201562	14000824	POLICE FINES COLL.FEE	10/31/14	241299	

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SOUTHERN FINANCIAL SYSTE							
Sum							2,051.13-
00001 SOUTHERN PINE ELECTRIC P	10/14 GENERA	00020152	14000755	MNTHLY 10/14 PUBLIC SERVICES	10/31/14	241300	61.13-
SOUTHERN PINE ELECTRIC P							
Sum							61.13-
00001 SOUTHGROUP (GALEY)	HATTIES-02 5	00147029	14000770	BOND RNWL CHIEF BOLTON	10/31/14	241302	175.00-
SOUTHGROUP (GALEY)							
Sum							175.00-
00001 STANDARD OFFICE SUPPLY C	0047903-001	00146666	14000393	PAYROLL CHECK PRINTER INK	10/31/14	241303	221.88-
00001 STANDARD OFFICE SUPPLY C	0048178-001	00146987	14000801	COPY PAPER POLICE DEPT	10/31/14	241303	259.50-
00001 STANDARD OFFICE SUPPLY C	0048161-001	00146886	14000802	DOOR NAME PLATE V BROWN	10/31/14	241303	17.90-
00001 STANDARD OFFICE SUPPLY C	0048183-001	00146239	14000829	COURTESY CITATIONS MUN COURT	10/31/14	241303	1,212.50-
STANDARD OFFICE SUPPLY C							
Sum							1,711.78-
00001 STATE FIRE ACADEMY	22308 COLLIN	00146907	14000643	SUB FEE ROPE RESCUE CLASS	10/31/14	241304	40.00-
STATEFIRE ACADEMY							
Sum							40.00-
00001 STRIBLING EQUIPMENT CO L	BS006000216:	00147082	14000814	EXCAVATOR RENT STREET DEPT	10/31/14	241305	6,050.00-
STRIBLING EQUIPMENT CO L							
Sum							6,050.00-
00001 TABERNACLE OF PRAYER (RE	DAMAGE DEP R	00201537	14000519	DAMAGE DEPOSIT REFUND	10/31/14	241307	300.00-
TABERNACLE OF PRAYER (RE							
Sum							300.00-
00001 TDA CONSULTING INC	12761	00146953	14000695	SRVS 8/14 HOME PROG UPDATE	10/31/14	241309	1,765.77-
TDA CONSULTING INC							
Sum							1,765.77-
00001 TEMPLE INC	INV0135559	00146414	14000428	SIGNAL EQUIP SUPP TRAFF DEPT	10/31/14	241310	4,800.00-
00001 TEMPLE INC	INV0133908	00145441	14000580	SIGNAL EQUIP REPR TRAFFIC	10/31/14	241310	675.00-
00001 TEMPLE INC	INV0133910	00145441	14000581	SIGNAL EQUIP REPR TRAFFIC	10/31/14	241310	225.00-
00001 TEMPLE INC	INV0134816.1	00146572	14000599	SIGNAL EQUIP REPR TRAFF DEPT	10/31/14	241310	750.00-
TEMPLEINC							
Sum							6,450.00-
00001 THORNTON, BENJAMIN	TRANSLATOR 1	00146878	14000624	TRANSLATOR SERVS 10/8/14	10/31/14	241313	150.00-
THORNTON, BENJAMIN							
Sum							150.00-
00001 TIFCO INDUSTRIES	70993541	00146400	14000584	WELDING SUPP/TOOLS SHOP	10/31/14	241314	877.16-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
TIFCOINDUSTRIES							
Sum							877.16-
00001 TRIPLE J CONSTRUCTION	231	00145970	14000423	ASBESTOS RMVL VARI LOC	10/31/14	241315	5,100.00-
TRIPLEJ CONSTRUCTION							
Sum							5,100.00-
00001 TRUCK SERVICE & EQUIPMEN	317885	00146565	14000436	REPR PTS U#12956 STREET	10/31/14	241318	62.52-
00001 TRUCK SERVICE & EQUIPMEN	317809	00146456	14000460	REPR PTS U#17730 SANIT	10/31/14	241318	55.16-
00001 TRUCK SERVICE & EQUIPMEN	317896	00146711	14000613	BRAKE SPRING PLIERS SANIT	10/31/14	241318	201.24-
00001 TRUCK SERVICE & EQUIPMEN	318049	00146841	14000887	REPR PTS U#16080 SANIAT	10/31/14	241318	487.57-
00001 TRUCK SERVICE & EQUIPMEN	318010	00146966	14000888	REPR PTS U#16080 SANIT	10/31/14	241318	250.83-
TRUCKSERVICE & EQUIPMEN							
Sum							1,057.32-
00001 TRUCKPRO INC	039-0566452	00146797	14000614	REPR PTS SANIT STOCK	10/31/14	241319	1,360.85-
TRUCKPRO INC							
Sum							1,360.85-
00001 TULANE ENVIRONMENTAL LAW	2:12 CV 0003	00146675	14000527	GULF RESTOR NTWK VS COH	10/21/14	19266	50,000.00-
TULANEENVIRONMENTAL LAW							
Sum							50,000.00-
00001 UNITED FENCE COMPANY	00016368	00146307	14000657	DITCH CLEANING FENCE REPRS	10/31/14	241320	32.54-
UNITEDFENCE COMPANY							
Sum							32.54-
00001 UNITED PARCEL SERVICE IN	00008E1Y1541	00146777	14000413	CHGS 9/13 10/10 POLICE DEPT	10/31/14	241321	9.46-
UNITEDPARCEL SERVICE IN							
Sum							9.46-
00001 UNIVERSITY TIRE & SERVIC	458202	00146526	14000601	TIRES U#17529 BARNES TRUCK	10/31/14	241322	657.00-
00001 UNIVERSITY TIRE & SERVIC	456072	00145627	14000763	TIRES U#13262 FED/STATE PROG	10/31/14	241322	449.44-
00001 UNIVERSITY TIRE & SERVIC	456787	00146032	14000769	TIRES POLICE STOCK	10/31/14	241322	3,337.72-
00001 UNIVERSITY TIRE & SERVIC	457203	00146156	14000775	TIRE REPR MITCHELL LAND CODE	10/31/14	241322	17.95-
00001 UNIVERSITY TIRE & SERVIC	458562	00146720	14000884	TIRES U#13514 CONSTR	10/31/14	241322	449.44-
UNIVERSITY TIRE & SERVIC							
Sum							4,911.55-
00001 USM/CONTRACTS & GRANTS A	35782 01	00147138	14000832	YOUTH MASTER PLAN M/ADM	10/31/14	241324	12,500.00-
USM/CONTRACTS & GRANTS A							
Sum							12,500.00-
00001 VERIZON WIRELESS	9733028755	00146877	14000628	HPD WIRELESS SERVICE	10/31/14	241327	1,920.62-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
VERIZON WIRELESS							
Sum							1,920.62-
00001 WAL-MART STORES INC	006137	00146240	14000564	60 INCH TV MUN COURT	10/31/14	241328	697.00-
00001 WAL-MART STORES INC	006135	00146232	14000565	SUPP MOBILE ST FESTIVAL 10/4	10/31/14	241328	296.01-
00001 WAL-MART STORES INC	009290	00145912	14000566	VACUUM CLEANER/LIGHT BULBS	10/31/14	241328	353.62-
00001 WAL-MART STORES INC	005586	00146127	14000567	MICROWAVE HIGHLAND CEMETERY	10/31/14	241328	159.00-
WAL-MART STORES INC							
Sum							1,505.63-
00001 WASTE MANAGEMENT OF SOUT	0007780-2526	00146978	14000713	REFUSE DISPOSAL 10/1-15 SANIT	10/31/14	241330	10,920.80-
WASTEMANAGEMENT OF SOUT							
Sum							10,920.80-
00001 WATERS INTERNATIONAL TRU	8-242880033	00145476	14000461	REPR PTS U#14406 SANIT	10/31/14	241331	47.12-
00001 WATERS INTERNATIONAL TRU	8-242940007	00146845	14000659	REPR PTS VARI SANIT UNITS	10/31/14	241331	710.01-
WATERSINTERNATIONAL TRU							
Sum							757.13-
00001 WATTS BROTHERS TRACTOR C	159038	00145897	14000437	REPR PTS U#16723 STREET	10/31/14	241332	38.30-
00001 WATTS BROTHERS TRACTOR C	159834	00146287	14000438	FUEL CAPS STREET STOCK	10/31/14	241332	12.01-
00001 WATTS BROTHERS TRACTOR C	159848	00146287	14000439	FUEL CAPS STREET STOCK	10/31/14	241332	24.02-
00001 WATTS BROTHERS TRACTOR C	160233	00146729	14000710	SEAT CUSHION U#13802 CONSTR	10/31/14	241332	285.72-
WATTSBROTHERS TRACTOR C							
Sum							360.05-
00001 WILLMUT GAS & OIL COMPAN	10/14 GENERA	00020152	14000756	MNTHLY GAS-GENERAL	10/31/14	241336	119.87-
WILLMUT GAS & OIL COMPAN							
Sum							119.87-
00001 WOODLAND, JERRY	PO#147118 10	00147118	14000833	FOOD E3 HEALTH BREAKFAST MEET	10/31/14	241337	500.00-
WOODLAND, JERRY							
Sum							500.00-
00001 YAWN, JOSEPH	MILEAGE 9/18	00147095	14000842	MILEAGE MPO MEETING JACKSON	10/31/14	241339	101.70-
YAWN,JOSEPH							
Sum							101.70-
00001 1ST SOURCE SERVALL	JE8401182	00146689	14000455	HVAC HAND TOOLS CONSTR	10/31/14	241340	295.53-
00001 1ST SOURCE SERVALL	JE8401239	00146689	14000456	HVAC HAND TOOLS CONSTR	10/31/14	241340	50.38-
00001 1ST SOURCE SERVALL	JE8401508	00146847	14000708	A/C DYE APPLICATOR CONSTR	10/31/14	241340	50.83-
00001 1ST SOURCE SERVALL	JE8400577	00146361	14000786	ELEC SUPP HILND CEM A/C UNIT	10/31/14	241340	25.62-
1ST SOURCE SERVALL							
Sum							422.36-

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Sum							1,826,937.61-
PARKS& RECREATION FUND							
00002 AGRI-AFC LLC	5083034	00146562	14000089	FALL GRASS SEED VETERANS PARK	10/31/14	241066	88.01-
AGRI-AFC LLC							
Sum							88.01-
00002 ALL SOUTH PORTABLE SANIT	14746	00145620	14000115	RESTROOMS MOBILE ST FESTIVAL	10/31/14	241069	900.00-
ALL SOUTH PORTABLE SANIT							
Sum							900.00-
00002 ALLEN, JUSTIN	SPORTS SERVS	00201566	14000156	SPORTS SUPPORT SERVICES	10/31/14	241070	182.00-
ALLEN,JUSTIN							
Sum							182.00-
00002 ANDERSON, HALLE	SPORTS SERVS	00201566	14000157	SPORTS SUPPORT SERVICES	10/31/14	241075	49.00-
ANDERSON, HALLE							
Sum							49.00-
00002 ARMSTRONG, JAMES	SPORTS SERVS	00201566	14000158	SPORTS SUPPORT SERVICES	10/31/14	241076	49.00-
ARMSTRONG, JAMES							
Sum							49.00-
00002 AUTO ARMATURE SERVICE IN	17164	00146759	14000092	BATTERY U#17581 UTILITY VEHCL	10/31/14	241080	57.95-
00002 AUTO ARMATURE SERVICE IN	17188	00146835	14000113	DUMP TRAILER CONTROL REPR	10/31/14	241080	40.00-
AUTO ARMATURE SERVICE IN							
Sum							97.95-
00002 BELL, DEVON	OFFICIAL 10/	00201564	14000138	OFFICIAL-ADULT SOFTBALL	10/31/14	241086	312.00-
BELL,DEVON							
Sum							312.00-
00002 BEMBRY, TERRANCE J	OFFICIAL 10/	00201564	14000139	OFFICIAL-L'TIGERS FTBALL	10/31/14	241087	68.00-
BEMBRY, TERRANCE J							
Sum							68.00-
00002 BETTS, SHERMAN	OFFICIAL 10/	00201564	14000140	OFFICIAL-L'TIGERS FTBALL	10/31/14	241089	347.00-
BETTS,SHERMAN							
Sum							347.00-
00002 BRACKMAN MOWER WAREHOUSE	0135517	00146638	14000094	REPRS U#19464 MOWER	10/31/14	241096	129.56-
00002 BRACKMAN MOWER WAREHOUSE	0135794	00146990	14000122	REPRS U#19303 MOWER	10/31/14	241096	169.08-
BRACKMAN MOWER WAREHOUSE							
Sum							298.64-
00002 BRADDOCK, ARETHA	OFFICIAL 10/	00201564	14000141	OFFICIAL-ADULT SOFTBALL	10/31/14	241097	68.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
BRADDOCK, ARETHA							
Sum							68.00-
00002 BRADLEY, MARQUITA	SPORTS SERVS	00201566	14000159	SPORTS SUPPORT SERVICES	10/31/14	241098	512.00-
BRADLEY, MARQUITA							
Sum							512.00-
00002 BROWN, TIRON	SPORTS SERVS	00201566	14000160	SPORTS SUPPORT SERVICES	10/31/14	241101	518.00-
BROWN,TIRON							
Sum							518.00-
00002 BURKETT RADIATOR SHOP	63332	00146734	14000093	REPRS U#13130 TRUCK	10/31/14	241102	320.00-
BURKETT RADIATOR SHOP							
Sum							320.00-
00002 BUTLER, MATT	OFFICIAL 10/	00201564	14000142	OFFICIAL-L'TIGERS FTBALL	10/31/14	241104	312.00-
00002 BUTLER, MATT	SPORTS SERVS	00201566	14000161	SPORTS SUPPORT SERVICES	10/31/14	241104	128.00-
BUTLER, MATT							
Sum							440.00-
00002 C SPIRE WIRELESS (CELLUL	9/23/14-10/2	00201563	14000125	CELL SERV 10/14 PARKS & REC	10/31/14	241106	228.51-
C SPIRE WIRELESS (CELLUL							
Sum							228.51-
00002 CAMPER CITY OF HATTIESBU	29396	00147000	14000182	REPR PTS U#7724 TRAILER	10/31/14	241107	300.00-
CAMPERCITY OF HATTIESBU							
Sum							300.00-
00002 CHANDLER, MAURICE	SPORTS SERVS	00201566	14000162	SPORTS SUPPORT SERVICES	10/31/14	241119	98.00-
CHANDLER, MAURICE							
Sum							98.00-
00002 CITY OF HATTIESBURG FUND	10/31/14 PAY	00201565	14000126	TRF 3RD 10/14 PAYROLL	10/29/14	310243	44,017.21-
CITY OF HATTIESBURG FUND							
Sum							44,017.21-
00002 CLEMTS HARDWARE	110606	00146683	14000090	FLAG POLE RPLCMNT SUPP	10/31/14	241124	45.58-
00002 CLEMTS HARDWARE	110664	00146916	14000116	CLEAN UP SUPP EAGLEPALOOZA	10/31/14	241124	151.90-
CLEMTSHARDWARE							
Sum							197.48-
00002 COLQUITT, EMMA	SPORTS SERVS	00201566	14000163	SPORTS SUPPORT SERVICES	10/31/14	241126	98.00-
COLQUITT, EMMA							
Sum							98.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00002 COMSOUTH	175744	00146274	14000114	RADIO REPR U#16289	10/31/14	241129	425.00-
COMSOUTH Sum							425.00-
00002 COPY CATS PRINTING	401613	00146869	14000110	PRINT MDOT REIMB PACKET	10/31/14	241132	22.18-
COPY CATS PRINTING Sum							22.18-
00002 CRY, JAMAAL	SPORTS SERVS	00201566	14000164	SPORTS SUPPORT SERVICES	10/31/14	241136	98.00-
CRY, JAMAAL Sum							98.00-
00002 CURTIS, MALCOLM	OFFICIAL 10/	00201564	14000143	OFFICIAL-ADULT SOFTBALL	10/31/14	241138	102.00-
CURTIS, MALCOLM Sum							102.00-
00002 DIXON, TIMOTHY	OFFICIAL 10/	00201564	14000144	OFFICIAL-L'TIGERS FTBALL	10/31/14	241147	153.00-
DIXON,TIMOTHY Sum							153.00-
00002 ECONOMY SUPPLY CO	221342	00146608	14000100	BLDG MATLS KAMPER PARK	10/31/14	241149	134.30-
00002 ECONOMY SUPPLY CO	221279	00146721	14000129	BLDG SUPP VET PK/KP WALK TRL	10/31/14	241149	87.50-
ECONOMY SUPPLY CO Sum							221.80-
00002 ELKINS WHOLESALE INC	223227-00	00146603	14000088	JANIT SUPP GRNDS MAINT	10/31/14	241150	169.88-
00002 ELKINS WHOLESALE INC	224004-00	00146906	14000117	JANIT SUPP GRNDS MAINT	10/31/14	241150	499.21-
ELKINSWHOLESALE INC Sum							669.09-
00002 ESTERS, WILLARD (BUTCH)	OFFICIAL 10/	00201564	14000145	OFFICIAL-ADULT SOFTBALL	10/31/14	241152	102.00-
ESTERS, WILLARD (BUTCH) Sum							102.00-
00002 FASTENAL COMPANY	MSHAT175572	00146733	14000099	RUBBER BOOTS GRNDS CREW WRKR	10/31/14	241153	26.75-
00002 FASTENAL COMPANY	MSHAT175643	00146827	14000106	LIGHT POST SCREWS VETERANS PK	10/31/14	241153	34.83-
FASTENAL COMPANY Sum							61.58-
00002 FERGUSON ENTERPRISES INC	1265643	00146639	14000101	PLUMB SUPP TATUM SOC RESTROOM	10/31/14	241154	31.08-
FERGUSON ENTERPRISES INC Sum							31.08-
00002 FIRESTONE COMPLETE AUTO	195261	00145045	14000111	ALIGNMENT U#8667 GRNDS	10/31/14	241155	49.99-
00002 FIRESTONE COMPLETE AUTO	195264	00145045	14000112	ALIGNMENT U#9167 GRNDS	10/31/14	241155	49.99-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
FIRESTONE COMPLETE AUTO							
Sum							99.98-
00002	G & K SERVICES	1035535399	00147066	14000130	UNIFORMS 9/30 GRNDS MAINT	10/31/14 241173	102.20-
00002	G & K SERVICES	1035537597	00147066	14000131	UNIFORMS 10/07 GRNDS MAINT	10/31/14 241173	105.10-
00002	G & K SERVICES	1035539804	00147066	14000132	UNIFORMS 10/14 GRNDS MAINT	10/31/14 241173	285.09-
00002	G & K SERVICES	1035541988	00147066	14000133	UNIFORMS 10/21 GRNDS MAINT	10/31/14 241173	102.73-
00002	G & K SERVICES	1035535400	00147066	14000134	MATS 9/30 GRNDS MAINT	10/31/14 241173	3.40-
00002	G & K SERVICES	1035537598	00147066	14000135	MATS 10/07 GRNDS MAINT	10/31/14 241173	3.40-
00002	G & K SERVICES	1035539805	00147066	14000136	MATS 10/14 GRNDS MAINT	10/31/14 241173	3.40-
00002	G & K SERVICES	1035541989	00147066	14000137	MATS 10/21 GRNDS MAINT	10/31/14 241173	3.40-
G & KSERVICES							
Sum							608.72-
00002	GARNER LUMLEY ELECTRIC S	505071	00146229	14000128	ELEC SUPP TATUM BB SEC LIGHTS	10/31/14 241177	185.95-
GARNERLUMLEY ELECTRIC S							
Sum							185.95-
00002	H'BURG ARTS COUNCIL	2015 CONTRAC	00147088	14000183	2015 CONTRACT	10/31/14 241183	20,760.00-
H'BURGARTS COUNCIL							
Sum							20,760.00-
00002	HOSKINS, JORDAN E	SPORTS SERVS	00201566	14000165	SPORTS SUPPORT SERVICES	10/31/14 241193	210.00-
HOSKINS, JORDAN E							
Sum							210.00-
00002	INDOFF INC	2527940	00146422	14000103	OFFICE SUPP GRNDS MAINT	10/31/14 241194	504.05-
00002	INDOFF INC	2528589	00146510	14000104	SHREDDER/SUPP GRNDS OFFICE	10/31/14 241194	300.96-
00002	INDOFF INC	2531792	00146784	14000179	OFFICE SUPP GRNDS MAINT	10/31/14 241194	193.27-
INDOFFINC							
Sum							998.28-
00002	JONES, ANN	PETTY CASH 9	00147064	14000127	PETTY CASH GRNDS MAINT	10/31/14 241205	152.24-
JONES,ANN							
Sum							152.24-
00002	JONES, ROBERT	OFFICIAL 10/	00201564	14000146	OFFICIAL-L'TIGERS FTBALL	10/31/14 241206	102.00-
JONES,ROBERT							
Sum							102.00-
00002	KETTLEY, ANNETTE	SPORTS SERVS	00201566	14000166	SPORTS SUPPORT SERVICES	10/31/14 241208	146.00-
KETTLEY, ANNETTE							
Sum							146.00-
00002	KEYS, MECHEKA	SPORTS SERVS	00201566	14000167	SPORTS SUPPORT SERVICES	10/31/14 241209	48.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
KEYS,MECHEKA							
Sum							48.00-
00002 KINSEY WELDING	4888	00146271	14000095	REPR BAT CAGE FRAME JC PARK	10/31/14	241210	265.00-
00002 KINSEY WELDING	4887	00146279	14000096	GATE REPR DAHMER PARK	10/31/14	241210	425.00-
KINSEYWELDING							
Sum							690.00-
00002 KIRKSEY, JOHNATHAN	OFFICIAL 10/	00201564	14000147	OFFICIAL-L'TIGERS FTBALL	10/31/14	241211	329.00-
KIRKSEY, JOHNATHAN							
Sum							329.00-
00002 KIRKSEY, NANCY JONES	SPORTS SERVS	00201566	14000168	SPORTS SUPPORT SERVICES	10/31/14	241212	100.00-
KIRKSEY, NANCY JONES							
Sum							100.00-
00002 LANCASTER'S MACHINE & WE	21985	00146983	14000123	REPRS U#16550 TILLER	10/31/14	241218	45.00-
LANCASTER'S MACHINE & WE							
Sum							45.00-
00002 LOCKE, JACKIE W	OFFICIAL 10/	00201564	14000148	OFFICIAL-ADULT SOFTBALL	10/31/14	241227	36.00-
LOCKE,JACKIE W							
Sum							36.00-
00002 MCELHANEY PLUMBING INC	228165	00146546	14000091	PLUMB SUPP GRNDS MAINT BLDG	10/31/14	241233	44.95-
MCELHANEY PLUMBING INC							
Sum							44.95-
00002 MCGILL, MICHEAL	SPORTS SERVS	00201566	14000169	SPORTS SUPPORT SERVICES	10/31/14	241234	322.00-
MCGILL, MICHEAL							
Sum							322.00-
00002 MCGOWAN, JONATHAN	SPORTS SERVS	00201566	14000170	SPORTS SUPPORT SERVICES	10/31/14	241235	49.00-
MCGOWAN, JONATHAN							
Sum							49.00-
00002 MCNAIR, EVELENE	OFFICIAL 10/	00201564	14000149	OFFICIAL-L'TIGERS FTBALL	10/31/14	241237	136.00-
MCNAIR, EVELENE							
Sum							136.00-
00002 MCNEIL, JAMICAH	SPORTS SERVS	00201566	14000171	SPORTS SUPPORT SERVICES	10/31/14	241238	98.00-
MCNEIL, JAMICAH							
Sum							98.00-
00002 MIKE'S TIRE & WHEEL CO	2177325	00146731	14000102	TIRES U#18569 TRUCK	10/31/14	241242	438.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00002 MIKE'S TIRE & WHEEL CO	2177401	00146887	14000107	TIRE REPR U#18474 TRACTOR	10/31/14	241242	23.44-
MIKE'S TIRE & WHEEL CO Sum							461.44-
00002 MOTT, ANDREW	OFFICIAL 10/	00201564	14000150	OFFICIAL-ADULT SB/L'TIGERS	10/31/14	241246	382.00-
MOTT, ANDREW Sum							382.00-
00002 MS POWER COMPANY	10/14 PKS/RE	00020152	14000124	MNTHLY ELEC-PARKS & REC	10/31/14	241250	18,125.69-
MS POWER COMPANY Sum							18,125.69-
00002 NAPA AUTO PARTS	515608	00146406	14000118	MOTOR OIL GRNDS MAINT UNITS	10/31/14	241257	454.80-
NAPA AUTO PARTS Sum							454.80-
00002 NEWELL PAPER COMPANY	825869	00146856	14000121	FLOOR MNT SUPP TATUM SOFTBALL	10/31/14	241261	163.35-
NEWELL PAPER COMPANY Sum							163.35-
00002 OWENS BUSINESS MACHINES	276486	00146637	14000105	COPIER/SCANNER GRNDS OFFICE	10/31/14	241266	1,168.00-
OWENS BUSINESS MACHINES Sum							1,168.00-
00002 PIERCE PLUMBING INC	495807	00146905	14000180	REPR WTR COOLER GRNDS OFFICE	10/31/14	241272	170.00-
00002 PIERCE PLUMBING INC	495807(B)	00146940	14000181	ADDL AMT DUE PO#146905	10/31/14	241272	59.93-
PIERCE PLUMBING INC Sum							229.93-
00002 PIONEER MANUFACTURING CO	INV537625	00146628	14000108	STRIPER RPLCMNT PARTS	10/31/14	241274	1,402.80-
00002 PIONEER MANUFACTURING CO	INV537628 FR	00146844	14000109	FREIGHT CHGS PO#146628	10/31/14	241274	20.00-
PIONEER MANUFACTURING CO Sum							1,422.80-
00002 POWELL, RANDY	SPORTS SERVS	00201566	14000172	SPORTS SUPPORT SERVICES	10/31/14	241277	193.00-
POWELL, RANDY Sum							193.00-
00002 SOLAR SUPPLY INC	3461150	00146932	14000119	A/C REPR PTS TATUM PARK	10/31/14	241294	32.72-
00002 SOLAR SUPPLY INC	3461202	00146989	14000120	RPLCMNT GRILLS TATUM SOFTBALL	10/31/14	241294	55.92-
SOLAR SUPPLY INC Sum							88.64-
00002 SOUTH MS ART ASSN (SMAA)	2015 CONTRAC	00146704	14000097	2015 CONTRACT	10/31/14	241295	13,000.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
SOUTHMS ART ASSN (SMAA)							
Sum							13,000.00-
00002 SOUTH, CASSIUS	SPORTS SERVS	00201566	14000173	SPORTS SUPPORT SERVICES	10/31/14	241297	160.00-
SOUTH,CASSIUS							
Sum							160.00-
00002 SULLIVAN, RANDY	SPORTS SERVS	00201566	14000174	SPORTS SUPPORT SERVICES	10/31/14	241306	98.00-
SULLIVAN, RANDY							
Sum							98.00-
00002 TERRELL, WINSTON	OFFICIAL 10/	00201564	14000151	OFFICIAL-ADULT SOFTBALL	10/31/14	241311	85.00-
TERRELL, WINSTON							
Sum							85.00-
00002 THOMPSON, JESSE	9/23/14-10/1	00201542	14000098	OFFICIAL (SPORTS)	10/23/14	310251	261.00-
00002 THOMPSON, JESSE	OFFICIAL 10/	00201564	14000152	OFFICIAL-L'TIGERS FTBALL	10/31/14	241312	295.00-
THOMPSON, JESSE							
Sum							556.00-
00002 TROTTER, COREY	OFFICIAL 10/	00201564	14000153	OFFICIAL-ADULT SOFTBALL	10/31/14	241316	102.00-
TROTTER, COREY							
Sum							102.00-
00002 TROTTER, WILLIE	OFFICIAL 10/	00201564	14000154	OFFICIAL-ADULT SOFTBALL	10/31/14	241317	85.00-
TROTTER, WILLIE							
Sum							85.00-
00002 VARNADO, ALEXZANDRIA	SPORTS SERVS	00201566	14000177	SPORTS SUPPORT SERVICES	10/31/14	241325	32.00-
VARNADO, ALEXZANDRIA							
Sum							32.00-
00002 VARNADO, UNDRA	SPORTS SERVS	00201566	14000178	SPORTS SUPPORT SERVICES	10/31/14	241326	80.00-
VARNADO, UNDRA							
Sum							80.00-
00002 WHEELER, CURTIS	SPORTS SERVS	00201566	14000175	SPORTS SUPPORT SERVICES	10/31/14	241333	245.00-
WHEELER, CURTIS							
Sum							245.00-
00002 WILEY, RAYCORY	SPORTS SERVS	00201566	14000176	SPORTS SUPPORT SERVICES	10/31/14	241335	98.00-
WILEY, RAYCORY							
Sum							98.00-
Sum							113,466.30-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
HATT.MUNICIPAL FIRE PROTECTION 00005 ROGERS, MICHAEL J & ASSO	102015B	00147141	14000004	FIREHOUSE LICENSES	10/31/14	241287	10,500.00-
ROGERS, MICHAEL J & ASSO Sum							10,500.00-
Sum							10,500.00-
PAYROLL FUND 00006 ALWAYS CARE	11/2014	00201520	14000053	PREMIUM DUE 11/14 COVERAGE	10/24/14	19308	3,560.52-
ALWAYS CARE Sum							3,560.52-
00006 AUTOMATED COLLECTION SER	5257	00201517	14000050	GARNISHMENT	10/22/14	19302	151.26-
AUTOMATED COLLECTION SER Sum							151.26-
00006 BENEFIT PAYMENT CONTROL	4292,6247,28	00201517	14000017	GARNISHMENT	10/22/14	19271	801.52-
00006 BENEFIT PAYMENT CONTROL	8709	00201517	14000033	GARNISHMENT	10/22/14	19287	276.05-
BENEFIT PAYMENT CONTROL Sum							1,077.57-
00006 CHILD SUPPORT ENFORCEMEN	3871	00201518	14000039	CHILD SUPPORT	10/22/14	19293	200.00-
CHILDSUPPORT ENFORCEMEN Sum							200.00-
00006 COLUMBIA FINANCIAL SERVI	5013	00201517	14000032	GARNISHMENT	10/22/14	19286	104.41-
COLUMBIA FINANCIAL SERVI Sum							104.41-
00006 CONVERGENCE RECEIVABLES,	0474	00201517	14000019	GARNISHMENT	10/22/14	19273	460.76-
CONVERGENCE RECEIVABLES, Sum							460.76-
00006 CONVILLE & CONVILLE PLLC	5838	00201517	14000015	GARNISHMENT	10/22/14	19269	175.57-
CONVILLE & CONVILLE PLLC Sum							175.57-
00006 FAMILY SUPPORT PAYMENT C	9865	00201518	14000043	CHILD SUPPORT	10/22/14	19297	1,208.82-
FAMILYSUPPORT PAYMENT C Sum							1,208.82-
00006 FISHER BROTHERS (GARN)	9891	00201517	14000025	GARNISHMENT	10/22/14	19279	59.41-
FISHERBROTHERS (GARN) Sum							59.41-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00006 FORREST CTY CHANCERY COU	10/2014	00201516	14000013	CHILD SUPPORT	10/20/14	19260	934.00-
FORREST CTY CHANCERY COU Sum							934.00-
00006 GAYLE SMITH	4645	00201518	14000051	CHILD SUPPORT	10/22/14	19303	303.38-
GAYLESMITH Sum							303.38-
00006 HENLEY, LOTTERHOS & HENL	9998,7601,58	00201517	14000016	GARNISHMENT	10/22/14	19270	989.23-
HENLEY, LOTTERHOS & HENL Sum							989.23-
00006 JOHN R REEVES PC (CHILD	6467	00201518	14000041	CHILD SUPPORT	10/22/14	19295	150.00-
JOHN RREEVES PC (CHILD Sum							150.00-
00006 JOHNSON, JOEL (GARN)	0597	00201517	14000036	GARNISHMENT	10/22/14	19290	210.97-
JOHNSON, JOEL (GARN) Sum							210.97-
00006 LAMAR CTY CHANCERY CLERK	0935	00201518	14000038	CHILD SUPPORT	10/22/14	19292	540.00-
LAMARCTY CHANCERY CLERK Sum							540.00-
00006 MCGINTY, DESTINY (GARN)	5621	00201517	14000020	GARNISHMENT	10/22/14	19274	327.24-
MCGINTY, DESTINY (GARN) Sum							327.24-
00006 MENDELSON LAW FIRM (GARN	9865	00201517	14000035	GARNISHMENT	10/22/14	19289	122.31-
MENDELSON LAW FIRM (GARN Sum							122.31-
00006 MICHIGAN STATE DISBURSEM	8529	00201518	14000046	CHILD SUPPORT	10/22/14	19300	129.94-
MICHIGAN STATE DISBURSEM Sum							129.94-
00006 NEBRASKA CHILD SUPPORT (	4840	00201518	14000042	CHILD SUPPORT	10/22/14	19296	250.00-
NEBRASKA CHILD SUPPORT (							
Sum							250.00-
00006 NYS CHILD SUPPORT PROCES	8886	00201518	14000040	CHILD SUPPORT	10/22/14	19294	964.00-
NYS CHILD SUPPORT PROCES Sum							964.00-
00006 PERFORMANT RECOVERY, INC	6026	00201517	14000026	GARNISHMENT	10/22/14	19280	162.64-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
PERFORMANT RECOVERY, INC							
Sum							162.64-
00006 PERKINS,LAW OFFICES OF F	8374	00201517	14000021	GARNISHMENT	10/22/14	19275	458.32-
PERKINS,LAW OFFICES OF F							
Sum							458.32-
00006 PIONEER CREDIT CO (GARN)	8063	00201517	14000031	GARNISHMENT	10/22/14	19285	301.74-
PIONEER CREDIT CO (GARN)							
Sum							301.74-
00006 QUIK CASH #533 (GARN)	4935	00201517	14000022	GARNISHMENT	10/22/14	19276	404.09-
QUIK CASH #533 (GARN)							
Sum							404.09-
00006 REPUBLIC FINANCE INC (G	5994	00201517	14000018	GARNISHMENT	10/22/14	19272	307.90-
REPUBLIC FINANCE INC (G							
Sum							307.90-
00006 RICHLAND COUNTY FAMILY C	4941	00201518	14000045	CHILD SUPPORT	10/22/14	19299	183.76-
RICHLAND COUNTY FAMILY C							
Sum							183.76-
00006 TRANSAMERICA LIFE	09/14	00201512	14000009	BURIAL INS PREMIUM	10/20/14	19255	1,316.62-
TRANSAMERICA LIFE							
Sum							1,316.62-
00006 U S DEPT OF TREASURY (GA	0906	00201517	14000028	GARNISHMENT	10/22/14	19282	90.08-
00006 U S DEPT OF TREASURY (GA	2045	00201517	14000034	GARNISHMENT	10/22/14	19288	322.10-
U S DEPT OF TREASURY (GA							
Sum							412.18-
00006 WADADA PAYDAY & TITLE LO	3492	00201517	14000027	GARNISHMENT	10/22/14	19281	364.93-
WADADAPAYDAY & TITLE LO							
Sum							364.93-
00006 WINN BROWN LAW FIRM,THE	6097	00201517	14000030	GARNISHMENT	10/22/14	19284	687.24-
WINN BROWN LAW FIRM,THE							
Sum							687.24-
Sum							16,518.81-
WATER& SEWER OPERATION/MAINT.							
00009 A & A TRANSMISSIONS	14501	00146576	14000099	EXCHG TRANSMISSION U#15646	10/31/14	241059	2,500.00-
00009 A & A TRANSMISSIONS	14511	00147128	14000193	REPRS U#14702 LAGOON	10/31/14	241059	220.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount	
A & ATRANSMISSIONS								
Sum							2,720.00-	
00009	AAMCO TRANS/AUTOMOTIVE S	129344	00146606	14000092	WIRING REPR U#11519 WTR OFFC	10/31/14	241063	95.00-
AAMCOTRANS/AUTOMOTIVE S								
Sum							95.00-	
00009	ADVANCED JANITORIAL SERV	20372 WTR OF	00146956	14000151	SERV 10/14 WTR BILL OFFICE	10/31/14	241064	495.00-
ADVANCED JANITORIAL SERV								
Sum							495.00-	
00009	BENNETT'S LOCK & KEY SHO	63586	00146832	14000189	LOCKS/KEYS WTR PLANT OFFICE	10/31/14	241088	418.50-
BENNETT'S LOCK & KEY SHO								
Sum							418.50-	
00009	BIG IRON DIESEL REPAIR L	SO1886	00145133	14000101	REPRS U#15916 SEWER	10/31/14	241090	3,719.94-
BIG IRON DIESEL REPAIR L								
Sum							3,719.94-	
00009	BONNER ANALYTICAL TESTIN	55747	00146801	14000139	REPEAT 6/14 NORTH LAGOON	10/31/14	241094	71.25-
00009	BONNER ANALYTICAL TESTIN	56785	00146991	14000168	WATER SAMPLES TOYOTA HWY 98	10/31/14	241094	655.65-
00009	BONNER ANALYTICAL TESTIN	56784	00146991	14000169	NPDES MONITORING 10/14	10/31/14	241094	885.82-
BONNERANALYTICAL TESTIN								
Sum							1,612.72-	
00009	BURKETT RADIATOR SHOP	63331	00146544	14000096	REPRS U314128 TRANS	10/31/14	241102	365.00-
BURKETT RADIATOR SHOP								
Sum							365.00-	
00009	C SPIRE WIRELESS (CELLUL	9/23/14-10/2	00201563	14000173	CELL SERV 10/14 W&SO&M	10/31/14	241106	224.86-
C SPIRE WIRELESS (CELLUL								
Sum							224.86-	
00009	CARQUEST AUTO PARTS STOR	14758-32530	00144808	14000089	REPR PTS WTR BILL SERV TRUCKS	10/31/14	241110	79.28-
00009	CARQUEST AUTO PARTS STOR	14758-36964	00146825	14000147	BRAKE PTS U#9743 TRANS	10/31/14	241110	163.07-
00009	CARQUEST AUTO PARTS STOR	14758-37233	00146971	14000167	REPR PTS U#9743 TRANS	10/31/14	241110	554.10-
00009	CARQUEST AUTO PARTS STOR	14758-37445	00145599	14000182	REPR PTS U#11519 WTR BILLING	10/31/14	241110	26.98-
CARQUEST AUTO PARTS STOR								
Sum							823.43-	
00009	CENTRAL PIPE SUPPLY INC	X15254	00144742	14000093	METER DIALS/BOX LIDS TRANS	10/31/14	241116	2,975.00-
00009	CENTRAL PIPE SUPPLY INC	X18621	00144742	14000094	METER DIALS/BOX LIDS TRANS	10/31/14	241116	1,848.39-
00009	CENTRAL PIPE SUPPLY INC	X13331	00144336	14000158	VARI SHOVELS/SUPP TRANS DEPT	10/31/14	241116	3,784.10-
00009	CENTRAL PIPE SUPPLY INC	X15337	00144336	14000159	VARI SHOVELS/SUPP TRANS DEPT	10/31/14	241116	489.30-
00009	CENTRAL PIPE SUPPLY INC	X15582	00144336	14000160	VARI SHOVELS/SUPP TRANS DEPT	10/31/14	241116	479.72-

	Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00009	CENTRAL PIPE SUPPLY INC	X12161	00143756	14000163	PLUMB SUPP TRANS DEPT	10/31/14	241116	4,314.81-
00009	CENTRAL PIPE SUPPLY INC	X13683	00143756	14000164	PLUMB SUPP TRANS DEPT	10/31/14	241116	22.36-
00009	CENTRAL PIPE SUPPLY INC	X14080	00143756	14000165	PLUMB SUPP TRANS DEPT	10/31/14	241116	310.00-
00009	CENTRAL PIPE SUPPLY INC	X14309	00143756	14000166	PLUMB SUPP TRANS DEPT	10/31/14	241116	139.75-
CENTRAL PIPE SUPPLY INC								
	Sum							14,363.43-
00009	CERTIFIED LABORATORIES	1683071	00146267	14000144	CHEMICALS SEWER/LAGOONS	10/31/14	241117	28,969.20-
CERTIFIED LABORATORIES								
	Sum							28,969.20-
00009	CINTAS FIRST AID J71	5002068528	00146667	14000191	SAFETY VESTS/GLOVES SEWER	10/31/14	241122	1,145.60-
CINTASFIRST AID J71								
	Sum							1,145.60-
00009	CITY OF HATTIESBURG FUND	10/31/14 PAY	00201565	14000174	TRF 3RD 10/14 PAYROLL	10/29/14	21820	77,216.79-
CITY OF HATTIESBURG FUND								
	Sum							77,216.79-
00009	CONSOLIDATED PIPE & SPLY	0446130-000-	00146377	14000100	PLUMB SUPP SEWER STOCK	10/31/14	241130	1,299.80-
CONSOLIDATED PIPE & SPLY								
	Sum							1,299.80-
00009	CONTROL SYSTEMS INC	49910	00146098	14000104	REPRS VARI LIFT STATIONS	10/31/14	241131	2,500.00-
00009	CONTROL SYSTEMS INC	49910(B)	00146126	14000105	ADDL AMT DUE PO#146098	10/31/14	241131	12,779.00-
00009	CONTROL SYSTEMS INC	49702	00140227	14000106	LIFT STATIONS HWY 49 N 1,2,3	10/31/14	241131	26,425.00-
00009	CONTROL SYSTEMS INC	86-49848	00146126	14000107	CREDIT PO#146098/146126	10/31/14	241131	5,589.00
00009	CONTROL SYSTEMS INC	49926	00146688	14000146	GUARDIAN RADIO SOUTH LAGOON	10/31/14	241131	2,060.00-
CONTROL SYSTEMS INC								
	Sum							38,175.00-
00009	D P C ENTERPRISES LP	212002146-14	00146424	14000176	CHEMICALS WTR PLANT	10/31/14	241139	1,839.90-
00009	D P C ENTERPRISES LP	212002133-14	00146578	14000177	CHEMICALS LAGOONS	10/31/14	241139	2,286.00-
D P CENTERPRISES LP								
	Sum							4,125.90-
00009	DELTA FOREMOST CHEMICAL	967789	00146574	14000097	SMOKE EATER SUPP WTR PLANT	10/31/14	241144	418.36-
DELTAFOREMOST CHEMICAL								
	Sum							418.36-
00009	DIXIE COMMUNITY UTILITY	SEWER BILLIN	00146776	14000090	SEWER BILLING REPORT 9/14	10/31/14	241146	318.75-
DIXIECOMMUNITY UTILITY								
	Sum							318.75-
00009	FASTENAL COMPANY	MSHAT175385	00146381	14000095	PAINT SUPP TRANS DEPT	10/31/14	241153	174.01-

Vendor		Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
		-----	-----	-----	-----	-----	-----	-----
FASTENAL COMPANY								
Sum								174.01-
00009	G & K SERVICES	1035526606	00146745	14000109	UNIFORMS 9/02 TRANS	10/31/14	241173	40.36-
00009	G & K SERVICES	1035528803	00146745	14000110	UNIFORMS 9/09 TRANS	10/31/14	241173	42.18-
00009	G & K SERVICES	1035531018	00146745	14000111	UNIFORMS 9/16 TRANS	10/31/14	241173	42.18-
00009	G & K SERVICES	1035533207	00146745	14000112	UNIFORMS 9/23 TRANS	10/31/14	241173	44.00-
00009	G & K SERVICES	1035535402	00146745	14000113	UNIFORMS 9/30 TRANS	10/31/14	241173	44.36-
00009	G & K SERVICES	1035526609	00146745	14000114	MOP/MAT 9/02 PLANT	10/31/14	241173	19.90-
00009	G & K SERVICES	1035528806	00146745	14000115	MOP/MAT 9/09 PLANT	10/31/14	241173	19.90-
00009	G & K SERVICES	1035531021	00146745	14000116	MOP/MAT 9/16 PLANT	10/31/14	241173	19.90-
00009	G & K SERVICES	1035533210	00146745	14000117	MOP/MAT 9/23 PLANT	10/31/14	241173	19.90-
00009	G & K SERVICES	1035535405	00146745	14000118	MOP/MAT 9/30 PLANT	10/31/14	241173	19.90-
00009	G & K SERVICES	1035526607	00146745	14000119	UNIFORMS 9/02 PLANT	10/31/14	241173	60.00-
00009	G & K SERVICES	1035528804	00146745	14000120	UNIFORMS 9/09 PLANT	10/31/14	241173	60.00-
00009	G & K SERVICES	1035531019	00146745	14000121	UNIFORMS 9/16 PLANT	10/31/14	241173	60.00-
00009	G & K SERVICES	1035533208	00146745	14000122	UNIFORMS 9/23 PLANT	10/31/14	241173	60.00-
00009	G & K SERVICES	1035535403	00146745	14000123	UNIFORMS 9/30 PLANT	10/31/14	241173	60.00-
00009	G & K SERVICES	1035526605	00146745	14000124	UNIFORMS 9/02 SEWER	10/31/14	241173	56.00-
00009	G & K SERVICES	1035528802	00146745	14000125	UNIFORMS 9/09 SEWER	10/31/14	241173	56.00-
00009	G & K SERVICES	1035531017	00146745	14000126	UNIFORMS 9/16 SEWER	10/31/14	241173	210.86-
00009	G & K SERVICES	1035533206	00146745	14000127	UNIFORMS 9/23 SEWER	10/31/14	241173	52.01-
00009	G & K SERVICES	1035535401	00146745	14000128	UNIFORMS 9/30 SEWER	10/31/14	241173	71.87-
00009	G & K SERVICES	1035526608	00146745	14000129	UNIFORMS 9/02 LAGOON	10/31/14	241173	18.18-
00009	G & K SERVICES	1035528805	00146745	14000130	UNIFORMS 9/09 LAGOON	10/31/14	241173	24.80-
00009	G & K SERVICES	1035531020	00146745	14000131	UNIFORMS 9/16 LAGOON	10/31/14	241173	18.18-
00009	G & K SERVICES	1035533209	00146745	14000132	UNIFORMS 9/23 LAGOON	10/31/14	241173	18.18-
00009	G & K SERVICES	1035535404	00146745	14000133	UNIFORMS 9/30 LAGOON	10/31/14	241173	18.18-
00009	G & K SERVICES	1035537621	00147160	14000183	UNIFORMS 10/7 WTR SRV PERSNL	10/31/14	241173	20.00-
00009	G & K SERVICES	1035539828	00147160	14000184	UNIFORMS 10/14 WTR SRV PERSNL	10/31/14	241173	20.00-
00009	G & K SERVICES	1035542012	00147160	14000185	UNIFORMS 10/21 WTR SRV PERSNL	10/31/14	241173	20.00-

G & KSERVICES								
Sum								1,216.84-
00009	GARNER LUMLEY ELECTRIC S	505484	00146314	14000140	LIGHT BULBS WATER BILL OFFICE	10/31/14	241177	157.95-

GARNERLUMLEY ELECTRIC S								
Sum								157.95-
00009	GILLILANDS ELECTRONICS S	58120	00146344	14000091	ALARM 10/14-1/15 WTR OFFICE	10/31/14	241178	90.00-
00009	GILLILANDS ELECTRONICS S	57596	00146068	14000143	PHONE SYS REPR PLT #2	10/31/14	241178	140.00-

GILLILANDS ELECTRONICS S								
Sum								230.00-
00009	IRBY, STUART C CO	S008559817.0	00146135	14000102	ELEC SUPP LAGOON PUMP EQUIP	10/31/14	241198	2,798.17-
00009	IRBY, STUART C CO	S008606304.0	00146749	14000178	ELEC SUPP SOUTH LAOON	10/31/14	241198	64.53-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum							76.51-
00009 PEARL RIVER VALLEY EPA (	10/14 W&SO&M	00020152	14000171	MNTHLY 10/14 PUBLIC SERVICES	10/31/14	241269	246.80-
PEARLRIVER VALLEY EPA (							
Sum							246.80-
00009 POLK DIRECTORIES	1423474 W&SO	00146980	14000150	CITY DIRECTORY WTR PLANT	10/31/14	241275	290.00-
POLK DIRECTORIES							
Sum							290.00-
00009 PYLE, MILLS & DYE PA	1292-0006M	00146669	14000108	LGL SERV 6/12-9/26/14-PETAL	10/21/14	21819	2,680.78-
PYLE,MILLS & DYE PA							
Sum							2,680.78-
00009 RYAN MOTORS INC	202463	00146774	14000148	REPR PTS U#14702 LAGOONS	10/31/14	241288	156.72-
RYAN MOTORS INC							
Sum							156.72-
00009 SOUTHERN PINE ELECTRIC P	10/14 W&SO&M	00020142	14000161	MNTHY 10/14 PUBLIC SERVICES	10/31/14	241300	1,118.47-
SOUTHERN PINE ELECTRIC P							
Sum							1,118.47-
00009 SOUTHERN WATERWORKS SUPP	55949	00146498	14000142	PLUMB SUPP TRANS DEPT	10/31/14	241301	197.29-
00009 SOUTHERN WATERWORKS SUPP	55990	00146382	14000188	PLUMB SUPP TRANS STOCK	10/31/14	241301	125.64-
SOUTHERN WATERWORKS SUPP							
Sum							322.93-
00009 STANDARD OFFICE SUPPLY C	0047843-001	00146464	14000134	WATER BILLING ENVELOPES	10/31/14	241303	124.60-
STANDARD OFFICE SUPPLY C							
Sum							124.60-
00009 UNIVERSITY TIRE & SERVIC	458690	00146781	14000141	TIRES U#18706 WTR BILLING	10/31/14	241322	352.72-
UNIVERSITY TIRE & SERVIC							
Sum							352.72-
00009 USA BLUEBOOK	479649	00146808	14000190	PLUMB SUPP WTR PLANT	10/31/14	241323	337.90-
USA BLUEBOOK							
Sum							337.90-
00009 WARREN PAVING INC	17628MB	00145512	14000135	ASPHALT TRANS DEPT	10/31/14	241329	181.30-
00009 WARREN PAVING INC	17694MB	00145512	14000136	ASPHALT TRANS DEPT	10/31/14	241329	2,867.14-
00009 WARREN PAVING INC	17764MB	00145512	14000137	ASPHALT TRANS DEPT	10/31/14	241329	2,348.33-
00009 WARREN PAVING INC	17839MB	00145512	14000138	ASPHALT TRANS DEPT	10/31/14	241329	728.27-
00009 WARREN PAVING INC	18005MB	00146328	14000152	HOT MIX ASPHALT TRANS DEPT	10/31/14	241329	8,791.23-
00009 WARREN PAVING INC	18049MB	00146328	14000153	HOT MIX ASPHALT TRANS DEPT	10/31/14	241329	3,137.24-
00009 WARREN PAVING INC	18113MB	00146328	14000170	HOT MIX ASPHALT TRANS DEPT	10/31/14	241329	303.19-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
WARRENPAVING INC							
Sum							18,356.70-
00009 WILLMUT GAS & OIL COMPAN	10/14 W&SO&M	00020152	14000162	MNTHLY GAS-W&SO&M	10/31/14	241336	13.04-
WILLMUT GAS & OIL COMPAN							
Sum							13.04-
Sum							360,944.40-
1999 TAX INCREMENT B&I							
00012 FIRST NATL BANK OF CLARK	MS TAX INCMT	00201553	14000001	DEBT SERV-1999 TAX INC	10/21/14	310240	63,150.00-
FIRSTNATL BANK OF CLARK							
Sum							63,150.00-
Sum							63,150.00-
CITY B& I							
00013 FIRST NATIONAL BANK OF C	09 GO POOL L	00201554	14000003	09 GO REF 12/21/09	10/21/14	19267	871,843.75-
FIRSTNATIONAL BANK OF C							
Sum							871,843.75-
Sum							871,843.75-
2004 TIF B&I-HOME DEPOT							
00021 TRUSTMARK NATIONAL BANK/	#7769 ERGON	00201555	14000002	DEBT SERVICE PYMT-HOME DEPOT	10/21/14	19268	86,751.42-
TRUSTMARK NATIONAL BANK/							
Sum							86,751.42-
Sum							86,751.42-
MUNICIPAL ROAD & BRIDGE							
00072 HOLLIDAY CONSTRUCTION, L	11846-3-01	00146672	14000011	SRVS GORDONS CRK D/T DISTRICT	10/31/14	241191	6,149.02-
00072 HOLLIDAY CONSTRUCTION, L	11846-3-01 1	00146679	14000012	SRVS GORDONS CRK D/T DISTRICT	10/31/14	241191	96,311.35-
HOLLIDAY CONSTRUCTION, L							
Sum							102,460.37-
00072 NEEL-SCHAFFER INC	1020046.03	00146635	14000010	SRVS WOODLEY SIDEWALKS	10/31/14	241260	5,882.81-
00072 NEEL-SCHAFFER INC	1020609	00147005	14000013	SRV 8/14 4TH ST PHASE II	10/31/14	241260	450.45-
00072 NEEL-SCHAFFER INC	1020612	00147006	14000014	SRV 8/14 BRDWAY/MOBILE L'SCPE	10/31/14	241260	789.75-
00072 NEEL-SCHAFFER INC	1020605	00147009	14000015	SRV 8/14 HARDY ST CORRIDOR	10/31/14	241260	560.00-
00072 NEEL-SCHAFFER INC	1020618	00147010	14000017	SRV 8/14 STP TUSCAN AVE	10/31/14	241260	2,879.58-
00072 NEEL-SCHAFFER INC	EST#3 WOODLE	00147014	14000018	SRV 9/14 WOODLEY ELEM SIDEWLK	10/31/14	241260	3,683.35-
00072 NEEL-SCHAFFER INC	1021463	00147015	14000019	SRV 9/14 STP TUSCAN AVE	10/31/14	241260	5,033.87-
00072 NEEL-SCHAFFER INC	EST #13 FINA	00147032	14000020	SRVS 9/1-10/22 4TH ST ROADWAY	10/31/14	241260	7,897.17-
00072 NEEL-SCHAFFER INC	ENGINEER RET	00147035	14000021	SRVS 4TH ST RDWAY IMP PH I	10/31/14	241260	24,765.86-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
NEEL-SCHAFER INC							
Sum							51,942.84-
00072 PRECISION CONSTRUCTION L	EST#3 WOODLE	00147016	14000016	SRV WOODLEY ELEM SIDEWALK	10/31/14	241278	4,881.33-
PRECISION CONSTRUCTION L							
Sum							4,881.33-
00072 WARREN PAVING INC	EST #17 FINA	00147033	14000022	SRV 9/1-9/5 4TH ST RDWAY PH I	10/31/14	241329	52,460.79-
WARRENPAVING INC							
Sum							52,460.79-
Sum							211,745.33-
MASS TRANSIT FUND							
00073 ADVANCED JANITORIAL SERV	20372 MASS T	00146956	14000037	SERV 10/20 MASS TRANS OFFICE	10/31/14	241064	250.00-
ADVANCED JANITORIAL SERV							
Sum							250.00-
00073 C SPIRE WIRELESS (CELLUL	9/23/14-10/2	00201563	14000042	CELL SERV 10/14 MASS TRANSIT	10/31/14	241106	56.58-
C SPIRE WIRELESS (CELLUL							
Sum							56.58-
00073 CINTAS CORPORATION #J66	J66435423	00145364	14000038	UNIFORMS FOR DRIVER	10/31/14	241121	220.00-
00073 CINTAS CORPORATION #J66	J66436963	00145364	14000039	UNIFORMS FOR DRIVER	10/31/14	241121	1,020.00-
CINTASCORPORATION #J66							
Sum							1,240.00-
00073 CITY OF HATTIESBURG FUND	10/31/14 PAY	00201565	14000043	TRF 3RD 10/14 PAYROLL	10/29/14	19311	25,111.32-
CITY OF HATTIESBURG FUND							
Sum							25,111.32-
00073 CUMMINS MID SOUTH LLC	003-55989	00145719	14000021	COOLER LEAK REPR U#16235	10/31/14	241137	4,238.34-
CUMMINS MID SOUTH LLC							
Sum							4,238.34-
00073 G & K SERVICES	1035526610	00146872	14000022	UNIFORMS 9/02 DRIVERS	10/31/14	241173	36.00-
00073 G & K SERVICES	1035528807	00146872	14000023	UNIFORMS 9/09 DRIVERS	10/31/14	241173	36.00-
00073 G & K SERVICES	1035531022	00146872	14000024	UNIFORMS 9/16 DRIVERS	10/31/14	241173	36.00-
00073 G & K SERVICES	1035533211	00146872	14000025	UNIFORMS 9/23 DRIVERS	10/31/14	241173	36.00-
00073 G & K SERVICES	1035525406	00146872	14000026	UNIFORMS 9/30 DRIVERS	10/31/14	241173	36.00-
00073 G & K SERVICES	1035526611	00146873	14000027	UNIFORMS 9/02 MECHANICS	10/31/14	241173	8.00-
00073 G & K SERVICES	1035528808	00146873	14000028	UNIFORMS 9/09 MECHANICS	10/31/14	241173	8.00-
00073 G & K SERVICES	1035531023	00146873	14000029	UNIFORMS 9/16 MECHANICS	10/31/14	241173	8.00-
00073 G & K SERVICES	1035533212	00146873	14000030	UNIFORMS 9/23 MECHANICS	10/31/14	241173	8.00-
00073 G & K SERVICES	1035535407	00146873	14000031	UNIFORMS 9/30 MECHANICS	10/31/14	241173	8.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
Sum							16,832.83-
00077 DUCKS UNLIMITED-USM (REF	SHERRILL CEN	00201560	14000031	DAMAGE DEPOSIT REFUND	10/31/14	241148	100.00-
DUCKSUNLIMITED-USM (REF							
Sum							100.00-
00077 G & K SERVICES	1035535394	00147105	14000035	UNIFORMS 9/30 COMM CNTRS	10/31/14	241173	44.00-
00077 G & K SERVICES	1035567592	00147105	14000036	UNIFORMS 10/07 COMM CNTRS	10/31/14	241173	44.00-
00077 G & K SERVICES	1035539799	00147105	14000037	UNIFORMS 10/14 COMM CNTRS	10/31/14	241173	44.00-
00077 G & K SERVICES	1035541983	00147105	14000038	UNIFORMS 10/21 COMM CNTRS	10/31/14	241173	44.00-
G & KSERVICES							
Sum							176.00-
00077 INNOVATIVE SERVICE SOLUT	20140120	00146290	14000039	AED INSPECTION COMM CNTRS	10/31/14	241196	585.00-
INNOVATIVE SERVICE SOLUT							
Sum							585.00-
00077 LIGHTSEY, LEAHNE (REFUND	SHERRILL CEN	00201560	14000030	DAMAGE DEPOSIT REFUND	10/31/14	241226	100.00-
LIGHTSEY, LEAHNE (REFUND							
Sum							100.00-
00077 MID SOUTH GLASS INC	0040743	00146579	14000018	WINDOW REPR MCNAIR GYM	10/31/14	241240	250.00-
00077 MID SOUTH GLASS INC	0040761	00146696	14000019	ADDL AMT DUE PO#146579	10/31/14	241240	75.00-
MID SOUTH GLASS INC							
Sum							325.00-
00077 MOODY, CRYSTAL (REFUNDS)	MCNAIR CENTE	00201538	14000016	DAMAGE DEPOSIT REFUND	10/31/14	241245	100.00-
MOODY,CRYSTAL (REFUNDS)							
Sum							100.00-
00077 MS POWER COMPANY	10/14 COMM C	00020152	14000022	MNTHLY ELEC-COMM CNTRS	10/31/14	241250	3,697.10-
MS POWER COMPANY							
Sum							3,697.10-
00077 NATHANIAL, TERAH (REFUN	CE ROY CENTE	00201538	14000014	DAMAGE DEPOSIT REFUND	10/31/14	241258	25.00-
NATHANIAL, TERAH (REFUN							
Sum							25.00-
00077 NEEL-SCHAFFER INC	1021455-4&5	00143565	14000040	SERVS SHERRILL CNTR ROOF	10/31/14	241260	526.11-
NEEL-SCHAFFER INC							
Sum							526.11-
00077 NPHC OF HATTIESBURG	SHERRILL CEN	00201560	14000027	DAMAGE DEPOSIT REFUND	10/31/14	241263	100.00-
NPHC OF HATTIESBURG							
Sum							100.00-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00077 OFFICE DEPOT INC	1725844873	00146709	14000033	OFFICE SUPP COMM CNTRS	10/31/14	241264	217.06-
OFFICEDEPOT INC							
Sum							217.06-
00077 S.I.P. OUTREACH MINISTRI	CE ROY CENTE	00201538	14000015	DAMAGE DEPOSIT REFUND	10/31/14	241289	100.00-
00077 S.I.P. OUTREACH MINISTRI	CE ROY CENTE	00201538	14000017	DAMAGE DEPOSIT REFUND	10/31/14	241290	38.00-
S.I.P.OUTREACH MINISTRI							
Sum							138.00-
00077 SOLAR SUPPLY INC	3460935	00146653	14000025	A/C SUPP SHERRILL CONF ROOM	10/31/14	241294	101.88-
00077 SOLAR SUPPLY INC	3461203	00146972	14000034	THERMOSTAT GUARDS ROY/SHERRIL	10/31/14	241294	125.02-
SOLARSUPPLY INC							
Sum							226.90-
00077 SOUTHEAST MS RURAL HEALT	CE ROY CENTE	00201560	14000029	DAMAGE DEPOSIT REFUND	10/31/14	241298	100.00-
SOUTHEAST MS RURAL HEALT							
Sum							100.00-
00077 TAYLOR, EARNISTINE (REFU	CULTURAL CEN	00201538	14000012	DAMAGE DEPOSIT REFUND	10/31/14	241308	250.00-
TAYLOR, EARNISTINE (REFU							
Sum							250.00-
00077 WHITE, KAYLA (REFUND)	SHERRILL CEN	00201538	14000013	DAMAGE DEPOSIT REFUND	10/31/14	241334	100.00-
WHITE,KAYLA (REFUND)							
Sum							100.00-
00077 WILLMUT GAS & OIL COMPAN	10/14 COMM C	00020152	14000021	MNTHLY GAS-COMM CNTRS	10/31/14	241336	31.54-
WILLMUT GAS & OIL COMPAN							
Sum							31.54-
00077 WOULLARD, TORI (REFUND)	CE ROY CENTE	00201560	14000028	DAMAGE DEPOSIT REFUND	10/31/14	241338	100.00-
WOULLARD, TORI (REFUND)							
Sum							100.00-
Sum							24,103.30-
COMMUNITY DEVELOP. BLOCK GRANT							
00082 AMERICAN PLANNING ASSN (	262982-14105	00146948	14000031	MBRSHIP DUES K JORDAN	10/31/14	241072	195.00-
AMERICAN PLANNING ASSN (							
Sum							195.00-
00082 C SPIRE WIRELESS (CELLUL	9/23/14-10/2	00201563	14000033	CELL SERV 10/14 CDBG	10/31/14	241106	31.96-
C SPIRE WIRELESS (CELLUL							
Sum							31.96-

Vendor	Invoice Number	Purchase Order	Claims Number	Item Description	Check Date	Check No.	Check Amount
00082 CITY OF HATTIESBURG FUND	10/31/14 PAY	00201565	14000034	TRF 3RD 10/14 PAYROLL	10/29/14	310244	5,829.34-
CITY OF HATTIESBURG FUND Sum							5,829.34-
00082 HOLLIMON CONSTRUCTION	ELIZABETH ED	00146919	14000028	712 N HILL DRAW #6 FINAL	10/23/14	310241	600.00-
HOLLIMON CONSTRUCTION Sum							600.00-
00082 LAMAR AUTO SALVAGE INC	71449	00146868	14000029	REPLACE WHEELS U#13262	10/31/14	241216	90.00-
LAMAR AUTO SALVAGE INC Sum							90.00-
00082 UNIVERSITY TIRE & SERVIC	458894	00146866	14000030	TIRES U#13262 CDBG	10/31/14	241322	224.72-
00082 UNIVERSITY TIRE & SERVIC	456140	00145656	14000032	TIRES U#13262	10/31/14	241322	72.00-
UNIVERSITY TIRE & SERVIC Sum							296.72-
Sum							7,043.02-
GROUP INSURANCE TRUST FUND							
00109 CITY OF HATTIESBURG FUND	10/2014	00201558	14000001	TRF HENRY, HOLLOWAY, DAVIS	10/24/14	310242	37.72-
CITY OF HATTIESBURG FUND Sum							37.72-
Sum							37.72-
Grand Total Level Sum							3,633,303.63-

ADDENDUM CLAIMS DOCKET
PERIOD ENDING OCTOBER 31, 2014

FUND	VENDOR	INVOICE NUMBER	PURCHASE ORDER	CLAIMS NUMBER	ITEM DESCRIPTION	CHECK DATE	CHECK NUMBER	CHECK AMOUNT
01	WARREN PAVING	811338	146654	893	PAVING PROJECT - PARTIAL PYMT	11/03/14	19315	302,130.58

TOTAL 302,130.58

City of Hattiesburg, MS

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



Meeting Agenda

Tuesday, November 4, 2014

5:00 PM

Council Chambers

City Council - Amendments to the Agenda

Add Policy Agenda Item VI.- 8 at the request of the Administration as follows:

VI. - 8 2014-228

Adopt a Resolution establishing appropriate policies and procedures for continuing disclosure obligations as required by the Securities and Exchange Commission.

Attachments:

RES-SEC continuing disclosure requirements

executed RES-SEC continuing disclosure requirements RES#2014-216



City of Hattiesburg, MS

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

Master

File Number: 2014-228

File ID: 2014-228

Type: Resolution

Status: Passed

Version: 1

Reference:

In Control: City Council

File Created: 11/04/2014

Brief Title: Resolution-SEC continuing disclosure requirements

Final Action: 11/04/2014

Minute Book Number: MB2014-332-333

Title:

Adopt a Resolution establishing appropriate policies and procedures for continuing disclosure obligations as required by the Securities and Exchange Commission.

Notes:

Sponsors:

Enactment Date:

Attachments: RES-SEC continuing disclosure requirements,
executed RES-SEC continuing disclosure
requirements RES#2014-216

Enactment Number:

Contact:

Meeting Date: 11/04/2014

Drafter: Debbie Bernardo

Effective Date:

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	City Council - Amendments to the Agenda	11/04/2014					
1	City Council	11/04/2014	Adopt				Pass
Action Text: A MOTION was made by Council Member Carroll and seconded by Council Member Naylor to Adopt a Resolution establishing appropriate policies and procedures for continuing disclosure obligations as required by the Securities and Exchange Commission.							
There being no discussion, the Motion received the affirmative vote of the Council as follows:							
Yeas: 4 - Bradley, Carroll, Dryden and Naylor							
Nays: 0							
Abstain: 1 - Delgado							
Yea: 4				Council Member Bradley Council Member Carroll Council Member Dryden Council Member Naylor			
Abstain: 1				Council Member Delgado			

Text of Legislative File 2014-228

Title

Adopt a Resolution establishing appropriate policies and procedures for continuing disclosure obligations as required by the Securities and Exchange Commission.

Summary

Resolution-SEC continuing disclosure requirements

Budget Information

Expenditure Type

Purchasing Item

Publication Information

The City Council (the "Governing Body") of the City of Hattiesburg, Mississippi (the "City") took up for consideration the matter of establishing appropriate policies and procedures regarding continuing disclosure obligations and thereupon 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 THE EMPLOYMENT OF PROFESSIONALS IN CONNECTION WITH THE CITY'S ANNUAL CONTINUING DISCLOSURE FILING REQUIREMENT PURSUANT TO RULE 15C2-12, AS AMENDED FROM TIME TO TIME; AUTHORIZING AND APPROVING THE FORM OF A MUNICIPALITIES CONTINUING DISCLOSURE COOPERATION INITIATIVE QUESTIONNAIRE (THE "QUESTIONNAIRE") AND THE FILING OF THE QUESTIONNAIRE WITH THE SECURITIES AND EXCHANGE COMMISSION; AUTHORIZING AND APPROVING THE FORM OF AND ADOPTION OF POLICIES AND PROCEDURES FOR CONTINUING DISCLOSURE/SEC RULE 15C2-12 COMPLIANCE; AND FOR RELATED PURPOSES.

WHEREAS, pursuant to Securities and Exchange Commission Rule 15c2-12, as amended from time to time (the "Rule"), the City is required to provide on an annual basis certain financial information and operating data to the Municipal Securities Rulemaking Board (the "MSRB") through the MSRB's Electronic Municipal Market Access system at www.emma.msrb.org ("EMMA"), in the electronic format then prescribed by the Securities and Exchange Commission (the "SEC") (the "Required Electronic Format") pursuant to the Rule (the "Annual Filing");

WHEREAS, the Governing Body finds it is in the best interest of the City to authorize the law firm of Butler Snow LLP, Ridgeland, Mississippi to serve as dissemination agent and to prepare and distribute all necessary documents in connection with the City's Annual Filing and to approve the form of the engagement letter in connection with the City's Annual Filing;

WHEREAS, the Municipalities Continuing Disclosure Cooperation Initiative (the "Initiative") was created by the SEC to encourage self-reporting by issuers of possible violations related to potential misrepresentations in offering documents concerning an issuer's prior compliance with continuing disclosure obligations through the filing of a Municipalities Cooperation Initiative Questionnaire for Self-Reporting Entities (the "Questionnaire");

WHEREAS, the Governing Body finds it is in the best interest of the City to participate in the Initiative and to approve the form/forms of the Questionnaire and to authorize the law firm of Butler Snow LLP, Ridgeland, Mississippi as special counsel to the City to submit the Questionnaire to the SEC and to approve the form of the engagement letter in connection with submission of the Questionnaire to the Initiative; and

WHEREAS, the Governing Body finds it is in the best interest of the City to monitor post issuance compliance in connection with the City's outstanding bond obligations and pursuant to the City's continuing disclosure agreements/certificates executed in connection with

the City's outstanding bond obligations and to approve the form of and execution of the Policies and Procedures For Continuing Disclosure/SEC Rule 15c2-12 Compliance (the "Policy"), to be dated as of the date of this resolution.

NOW, THEREFORE, BE IT RESOLVED by the Governing Body of the City of Hattiesburg, Mississippi, acting for and on behalf of the City, as follows:

SECTION 1. That the Governing Body of the City hereby employs the law firm of Butler Snow LLP to serve as dissemination agent and to compile the necessary information, with the assistance of the City, in connection with the City's Annual Filing, and the Mayor and the City Clerk of the City are hereby authorized and directed to execute and deliver the engagement letter, attached hereto as **EXHIBIT A**.

SECTION 2. The Governing Body of the City hereby approves the participation in the Initiative and the form of the Questionnaire and the Mayor and the City Clerk of the City are hereby authorized and directed to execute said Questionnaire on behalf of the City, which said Questionnaire shall be in substantially the form attached hereto as **EXHIBIT B**, with such completions, changes, insertions and modifications as shall be approved by the officers executing and delivering the same.

SECTION 3. The Governing Body of the City hereby employs the law firm of Butler Snow LLP to serve as special counsel to the City in connection with the participation in the Initiative, and the Mayor and the City Clerk of the City are hereby authorized and directed to execute and deliver the engagement letter, attached hereto as **EXHIBIT C**. The Governing Body of the City hereby authorizes the City Clerk and the City Attorney to assist Butler Snow LLP in connection with the participation in the Initiative.

SECTION 4. Butler Snow, LLP, Ridgeland, Mississippi and/or the City Clerk of the City are hereby authorized and approved to submit the Questionnaire and/or Questionnaires for and on behalf of the City on or before December 1, 2014 to the SEC.

SECTION 5. The form of the Policy is hereby approved, and the Mayor and the City Clerk of the City are hereby authorized and directed to execute said Policy on behalf of the City. All provisions of the Policy, when executed as authorized herein, shall be incorporated herein, and shall be deemed to be a part of this Resolution fully and to the same extent as if separately set out verbatim herein, which said Policy shall be in substantially the form attached hereto as **EXHIBIT D**, with such completions, changes, insertions and modifications as shall be approved by the officers executing and delivering the same.

SECTION 6. The Mayor and/or City Clerk or any other authorized officer of the Governing Body, be, and they are hereby authorized and directed for and on behalf of the City, to take any and all such actions as may be required by the City to carry out and to 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 said authority.

SECTION 7. All orders, resolutions or proceedings of the Governing Body in conflict with any provision hereof shall be, and the same are hereby repealed, rescinded and set aside, but only to the extent of such conflict. For cause, this resolution shall become effective upon the adoption hereof.

Following further discussion of the foregoing Resolution, Council Member _____ seconded the motion for its adoption and was adopted by the following roll call vote, to wit:

YEAS:

NAYS:

ABSENT:

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

DEPUTY CITY CLERK

MAYOR

EXHIBIT A

DISSIMINATION AGENT ENGAGEMENT LETTER

BUTLER | SNOW

October 28, 2014

VIA E-MAIL AT SWAITS@HATTIESBURGMS.COM

City of Hattiesburg, Mississippi
Attn: Sharon Waits, Acting City Clerk
P.O. Box 1898
Hattiesburg, MS 39403-1898

Re: City of Hattiesburg, Mississippi 2015 Continuing Disclosure Submission

Dear Ms. Waits:

We served as Bond Counsel in connection with various bond issues of the City. In the past, the City retained our firm to prepare and submit the City's Continuing Disclosure Information Statement in connection with the Bonds. It is once again time to prepare the current year's annual disclosure.

As you may recall, pursuant to each Continuing Disclosure Agreement executed in connection with the issuance of the Bonds, the City is required to provide on an annual basis certain financial information and operating data to the (i) (a) Municipal Securities Rulemaking Board (the "MSRB") through MSRB's Electronic Municipal Market Access system at www.emma.msrb.org ("EMMA"), in the electronic format then prescribed by the Securities and Exchange Commission (the "SEC") (the "Required Electronic Format") pursuant to Rule 15c2-12, as amended from time to time (the "Rule") of the SEC, together with any identifying information or other information then required to accompany the applicable filing (the "Accompanying Information"), and (b) in the future, any successor repository or repositories prescribed by the SEC for the purpose of serving as repository under the Rule (together (a) and (b) are the "National Repository"); and (ii) any public or private repository or entity designated by the State as a State repository for the purposes of the Rule (the "State Repository" and together with the National Repository, the "Repository"), together with any identifying information or other information then required to accompany the applicable filing (the "Accompanying Information"). This continuing disclosure requirement is set forth in the Rule and requires such updated data be filed with EMMA no later than 180 days after the end of each fiscal year. **This year's filing is due on or before March 31, 2015.** Failure to file timely and to comply with the Rule could result in an Enforcement Action by the SEC where the SEC may attempt to require performance and may allege penalties are owed. Additionally, the City's failure to disclose timely may adversely impact bondholders of the Bonds and could adversely affect the sale of future bonds issued by the City.

Post Office Box 6010
Ridgeland, MS 39158-6010

T 601.948.5711
F 601.985.4500
www.butlersnow.com

Suite 1400
1020 Highland Colony Parkway
Ridgeland, MS 39157

BUTLER SNOW LLP

If you would like for our firm to again prepare the Continuing Disclosure Information Statement, we will charge legal fees in an amount not to exceed \$1,500.00 (which includes expenses) to compile the necessary information, with the assistance of the City, and submit the same EMMA.

If you would like for us to handle this matter for you, please have this proposal approved and return a signed copy of this letter to us at your earliest convenience. Alternatively, if you do not wish for us to handle this matter for you, please sign the portion of this letter indicating same, and return it to us. If you have any questions or wish to discuss this matter further, please do not hesitate to contact me.

Very truly yours,

BUTLER SNOW LLP



Elizabeth Lambert Clark

APPROVED BY:

Name: _____

Title: _____

We do not wish to retain Butler Snow LLP to prepare the Continuing Disclosure Information Statement for the City of Hattiesburg.

Name: _____

Title: _____

Date: _____

cc: Charles Lawrence, Esquire (via email: celawjr@hotmail.com)
Johnny Dupree, Mayor (via e-mail: mayor@hattiesburgms.com)

EXHIBIT B

FORM OF QUESTIONNAIRE



**U.S. SECURITIES AND EXCHANGE COMMISSION
DIVISION OF ENFORCEMENT**

**MUNICIPALITIES CONTINUING DISCLOSURE COOPERATION INITIATIVE
QUESTIONNAIRE FOR SELF-REPORTING ENTITIES**

NOTE: The information being requested in this Questionnaire is subject to the Commission's routine uses. A list of those uses is contained in SEC Form 1662, which also contains other important information.

1. Please provide the official name of the entity that is self-reporting ("Self-Reporting Entity") pursuant to the MCDC Initiative along with contact information for the Self-Reporting Entity:

Individual Contact Name:

Individual Contact Title:

Individual Contact telephone:

Individual Contact Fax number:

Individual Contact email address:

Full Legal Name of Self-Reporting Entity:

Mailing Address (number and street):

Mailing Address (city):

Mailing Address (state): Select a state...

Mailing Address (zip):

2. Please identify the municipal bond offering(s) (including name of Issuer and/or Obligor, date of offering and CUSIP number) with Official Statements that may contain a materially inaccurate certification on compliance regarding prior continuing disclosure obligations (for each additional offering, attach an additional sheet or separate schedule):

State: Select a state...

Full Name of Issuing Entity:

Full Legal Name of Obligor (if any):

Full Name of Security Issue:

Initial Principal Amount of Bond Issuance:

Date of Offering:

Date of final Official Statement (format MMDDYYYY):

Nine Character CUSIP number of last maturity:

3. Please describe the role of the Self-Reporting Entity in connection with the municipal bond offerings identified in Item 2 above (select Issuer, Obligor or Underwriter):

- ☐ Issuer
☐ Obligor
☐ Underwriter

4. Please identify the lead underwriter, municipal advisor, bond counsel, underwriter's counsel and disclosure counsel, if any, and the primary contact person at each entity, for each offering identified in Item 2 above (attach additional sheets if necessary):

Senior Managing Underwriting Firm:

Primary Individual Contact at Underwriter:

Financial Advisor:

Primary Individual Contact at Financial Advisor:

Bond Counsel Firm:

Primary Individual Contact at Bond Counsel:

Law Firm Serving as Underwriter's Counsel:

Primary Individual Contact at Underwriter's Counsel:

Law Firm Serving as Disclosure Counsel:

Primary Individual Contact at Disclosure Counsel:

5. Please include any facts that the Self-Reporting Entity would like to provide to assist the staff of the Division of Enforcement in understanding the circumstances that may have led to the potentially inaccurate statements (attach additional sheets if necessary):

On behalf of [Name of Self-Reporting Entity]

I hereby certify that the Self-Reporting Entity intends to consent to the applicable settlement terms under the MCDC Initiative.

By: _____

Name of Duly Authorized Signer:

Title:

EXHIBIT C

SPECIAL COUNSEL ENGAGEMENT LETTER

BUTLER | SNOW

October 28, 2014

VIA E-MAIL AT SWAITS@HATTIESBURGMS.COM

City of Hattiesburg, Mississippi
Attn: Sharon Waits, Acting City Clerk
P.O. Box 1898
Hattiesburg, MS 39403-1898

Dear Ms. Waits:

This letter is to confirm our engagement as special counsel to the City of Hattiesburg, Mississippi (the "City") in connection with advising the City with regard to possible participation in the Municipalities Continuing Disclosure Cooperation Initiative (the "Initiative") of the Securities and Exchange Commission (the "SEC"). This letter sets forth the role we propose to serve and the responsibilities we propose to assume as special counsel to the City in connection with this engagement. Our engagement hereunder is as special counsel to the City and we are not representing any officer or any individual member of the governing body of the City in connection with these matters.

Scope of Services

We understand our employment will include conferences with the City with regard to its past compliance with its continuing disclosure undertakings in connection with prior City financings, reviewing statements made by the City regarding its compliance in Official Statements delivered to investors since 2009, and advising the City about whether to participate in the Initiative. Our services do not include financial advice to the City. Our services as special counsel to the City are limited to those contracted for explicitly herein and the execution of this letter by the City constitutes an acknowledgment of those limitations.

Attorney-Client Relationship

In performing our services as special counsel, the City will be our client. We will represent the interests of the City, respectively, rather than the City Council, the Council's individual members, or the City's employees.

Conflicts of Interest

Before accepting any new business, the Mississippi Rules of Professional Conduct (the "Rules") require us to evaluate whether there exist any ethical constraints to representing the City. We have completed a conflicts check within our firm and have found no current conflict between the City and our existing clients.

Post Office Box 6010
Ridgeland, MS 39158-6010

T 601.948.5711
F 601.985.4500
www.butlersnow.com

Suite 1400
1020 Highland Colony Parkway
Ridgeland, MS 39157

BUTLER SNOW LLP

As we have discussed with Charles Lawrence, City of Hattiesburg City Attorney, we have served as bond counsel to the City in connection with bond issuances which we understand have been self-reported by certain underwriters under the Initiative and are included under Exhibit B attached hereto. We have participated in the preparation of official statements and continuing disclosure undertakings subject to our bond counsel representation. We have also assisted the City with certain annual continuing disclosure undertakings related to City bond issuances.

The Initiative may create a tension between the City and its officials, employees and representative advisors. Initiative participation does not protect individuals associated with bond issues from further enforcement action. If the SEC pursues action against City officials as a result of information gleaned from the Initiative questionnaire, representatives of the City may be required to cooperate with the SEC in the ensuing investigation. The information in the MCDC questionnaire may also lead to investigations of and enforcement actions against City advisors such as underwriters, financial advisors or bond lawyers.

At this time, to the best of our knowledge, the SEC has made no allegations against City representatives or advisors as described in the immediately preceding paragraph. It is possible, though, that the interests of the City and Butler Snow may diverge in connection with Butler Snow representation hereunder in the event that the SEC pursues action against other transaction participants (including Butler Snow) as a result of the Initiative. The City and Butler Snow hereby agree that should there ever be any litigation, arbitration or other adversary proceeding, claim or dispute that may result in a conflict of interest between Butler Snow and the City, Butler Snow may be required to either request additional waivers from the City and/or terminate our engagement as special counsel hereunder.

Document Retention

Butler Snow maintains its client files electronically. We do not keep separate paper files. We will scan documents you or others send to us related to your matter to our electronic file for that matter and will retain only the electronic version while your matter is pending. Unless you instruct us otherwise, once such documents have been scanned to our electronic file, we will destroy all paper documents provided to us. If you send us original documents that need to be maintained as originals while the matter is pending, we ordinarily will scan those to our client file and return the originals to you for safekeeping. Alternatively, you may request that we maintain such originals while the matter is pending. If we agree to do that, we will make appropriate arrangements to maintain those original documents.

Unless you instruct us otherwise, once our work on this matter is completed, we will designate your file as a closed file on our system and will apply our document retention policy then in effect to the materials in your closed file. At that time, we ordinarily will return to you any original documents we have maintained in accordance with the preceding paragraph while the matter was pending. Otherwise, we will retain the closed file materials for our benefit and subject to our own policies and procedures concerning file retention and destruction. Accordingly, if you desire copies of any documents (including correspondence, e-mails, pleadings, contracts, agreements, etc.) related to this matter or generated while it was pending,

you should request such copies at the time our work on this matter is completed. A more complete notice of Butler Snow's Record Retention and Destruction Policy for Client Files, which also will be applicable to this Engagement, is attached as Exhibit A and incorporated herein by reference.

Termination of Engagement

Upon completion of our services as outlined in this letter, our responsibilities as special counsel will terminate and our representation of the City and the attorney-client relationship created by this engagement letter will be concluded. Should the City seek other, additional legal services, we would be happy to discuss the nature and extent of our separate engagement at that time.

We are pleased to have the City as our client, and look forward to a mutually satisfactory and beneficial relationship. If the foregoing terms are acceptable to you, please so indicate by returning a copy of this letter signed by the appropriate individual so authorized for the City and keeping a copy for your files. Thank you.

Very truly yours,

BUTLER SNOW LLP



Elizabeth Lambert Clark

Accepted and Approved:

CITY OF HATTIESBURG, MISSISSIPPI

By: _____

Title: _____

Date: _____

Enclosures

cc: Charles Lawrence, Esquire City of Hattiesburg, Mississippi City Attorney

Exhibit A

NOTICE TO CLIENTS OF BUTLER SNOW'S RECORD RETENTION & DESTRUCTION POLICY FOR CLIENT FILES

Butler Snow maintains its client files electronically. Ordinarily, we do not keep separate paper files. We will scan documents you or others send to us related to your matter to our electronic file for that matter and will ordinarily retain only the electronic version while your matter is pending. **Unless you instruct us otherwise, once such documents have been scanned to our electronic file, we will destroy all paper documents provided to us.** If you send us original documents that need to be maintained as originals while the matter is pending, we ordinarily will scan those to our client file and return the originals to you for safekeeping. Alternatively, you may request that we maintain such originals while the matter is pending. If we agree to do that, we will make appropriate arrangements to maintain those original documents while the matter is pending.

At all times, records and documents in our possession relating to your representation are subject to Butler Snow's Record Retention and Destruction Policy for Client Files. Compliance with this policy is necessary to fulfill the firm's legal and ethical duties and obligations, and to ensure that information and data relating to you and the legal services we provide are maintained in strict confidence at all times during and after the engagement. All client matter files are subject to these policies and procedures.

At your request, at any time during the representation, you may access or receive copies of any records or documents in our possession relating to the legal services being provided to you, excluding certain firm business or accounting records. We reserve the right to retain originals or copies of any such records or documents as needed during the course of the representation.

Unless you instruct us otherwise, once our work on this matter is completed, we will designate your file as a closed file on our system and will apply our document retention policy then in effect to the materials in your closed files. At that time, we ordinarily will return to you any original documents we have maintained in accordance with the preceding paragraph while the matter was pending. Otherwise, we will retain the closed file materials for our benefit and subject to our own policies and procedures concerning file retention and destruction. Accordingly, if you desire copies of any documents (including correspondence, e-mails, pleadings, contracts, agreements, etc.) related to this matter or generated while it was pending, you should request such copies at the time our work on this matter is completed.

You will be notified and given the opportunity to identify and request copies of such items you would like to have sent to you or someone else designated by you. You will have 30 days from the date our notification is sent to you to advise us of any items you would like to receive. You will be billed for the expense of assimilating, copying and transmitting such records. We reserve the right to retain copies of any such items as we deem appropriate or necessary for our use. Any non-public information, records or documents retained by Butler Snow and its employees will be kept confidential in accordance with applicable rules of professional responsibility.

Any file records and documents or other items not requested within 30 days will become subject to the terms of Butler Snow's Record Retention and Destruction Policy for Client Files and will be subject to final disposition by Butler Snow at its sole discretion. Pursuant to the terms of Butler Snow's Record Retention and Destruction Policy for Client Files, all unnecessary or extraneous items, records or documents may be removed from the file and destroyed. The remainder of the file will be prepared for closing and placed in storage or archived. It will be retained for the period of time established by the policy for files related to this practice area, after which it will be completely destroyed. This includes all records and documents, regardless of format.

While we will use our best efforts to maintain confidentiality and security over all file records and documents placed in storage or archived, to the extent allowed by applicable law, Butler Snow specifically disclaims any responsibility for claimed damages or liability arising from damage or destruction to such records and documents, whether caused by accident; natural disasters such as flood, fire, or wind damage; terrorist attacks; equipment failures; breaches of Butler Snow's network security; or the negligence of third-party providers engaged by our firm to store and retrieve records.

Exhibit B

Bond Issues Reported to SEC

\$9,950,000 General Obligation Pool Loan Refunding Bonds, Series 2009 of the City of Hattiesburg, Mississippi dated 12/21/09

¹ \$2,560,000 Taxable General Obligation Refunding Bonds, Series 2010 of the City of Hattiesburg, Mississippi dated 7/15/10

¹ \$715,000 City of Hattiesburg, Mississippi Taxable Tax Increment Limited Obligation Bonds, Series 2011 (Turtle Creek)

\$12,500,000 Mississippi Development Bank Special Obligation Bonds, Series 2012 (Hattiesburg, Mississippi Combined Water and Sewer System Construction Project) dated 3/29/12

EXHIBIT D
POLICY

**CITY OF HATTIESBURG, MISSISSIPPI
POLICIES AND PROCEDURES
FOR CONTINUING DISCLOSURE/SEC RULE 15c2-12 COMPLIANCE**

I. Statement of Purpose

This Policies and Procedures for Continuing Disclosure/SEC Rule 15c2-12 Compliance (this "**Policy**") designates specific policies of the City of Hattiesburg, Mississippi (the "**Issuer**") to monitor and ensure post issuance compliance under and pursuant to its continuing disclosure agreements/certificates (the "**CDA**") in connection with certain bond obligations (the "**Obligations**") issued by the Issuer with applicable provisions of the Securities and Exchange Commission's ("**SEC**") Rule 15c2-12 (the "**Rule**").

This Policy describes various procedures and systems designed to identify on a timely basis facts relevant to demonstrating compliance with the requirements that must be satisfied subsequent to the issuance of Obligations in order that the Obligations be, or continue to be, in compliance with the CDA and the Rule. The Issuer recognizes that compliance with the Rule is an on-going process, necessary, during the entire term of the Obligations, and is an integral component of the Issuer's overall debt management policies. Accordingly, the analysis of those facts and implementation of this Policy will require on-going monitoring and may require consultation with bond counsel or other professionals beyond the scope of their initial engagement with respect to the issuance of particular Obligations.

II. Responsible Parties

- A. The Chief Financial Officer shall identify an appropriate officer (currently the Chief Financial Officer) to be responsible for monitoring the Issuer's post-issuance compliance issues (the "**Staff Designee**"). The Chief Financial Officer shall be responsible for ensuring an adequate succession plan for transferring post-issuance compliance responsibility when changes in officers and staff occur.
- B. The Staff Designee will coordinate procedures for record retention and review of such records.
- C. The Staff Designee will review post-issuance compliance procedures and systems on a periodic basis, but not less than annually, will keep a log to document such reviews, and will consult as necessary with the Issuer's financial advisor and bond counsel.
- D. The Staff Designee shall maintain originals and copies of all documents and other records relating to the Obligations.
- E. The Staff Designee will review each issue of Obligations for compliance with this Policy on a periodic basis, but not less than annually, and will keep a log to document such reviews.

III. General Recordkeeping

The Staff Designee will maintain and store a copy of the following documents on file at all times for the life of the Obligations plus three (3) years:

- Financing transcript (may be in CD form);
- Copy of the CDA for each Obligation;
- Copy of the Official Statement for each Obligation;
- Copy of any rating reports or analysis;
- Copy of any defeasance, refunding or redemption notices;
- Copy of any Material Event Notice (as defined below);
- Copy of any Notice of Failure to File Annual Report (as defined below);
- Copy of any Annual Filing (as defined below);
- Copy of Financial Statements of the Issuer; and
- Copy of Current Budget information of the Issuer.

IV. Annual Filing

The following relate to compliance with the Rule regarding Annual Filings of Obligations.

The Staff Designee will:

- A. Appoint or engage bond counsel or a dissemination agent (the "**Agent**") to assist in carrying out its obligations under this Policy, each CDA and the Rule. If the Issuer does not engage an Agent to file its Annual Filing, the Staff Designee shall be responsible for submitting the information required in this Policy directly to the MSRB (as defined below) through EMMA (as defined below) pursuant to each CDA.
- B. Confirm that the Agent has filed with the Municipal Securities Rulemaking Board (the "**MSRB**") through the EMMA Dataport ("**EMMA**") at <http://www.emma.msrb.org>; information which is consistent with the requirements under its CDA (the "**Annual Filing**") no later than the date required for the reporting of each Annual Filing as determined by each CDA (the "**Report Date**"). The Annual Filing may be submitted as a single document or as separate documents comprising a package, and may be submitted separately from the balance of the Annual Filing.
- C. If the Issuer is unable to provide the Annual Filing or portions of the Annual Filing by the Report Date, confirm that the Agent has filed on the Report Date a notice to the MSRB (the "**Notice of Failure to File**") in substantially the form attached hereto as **Exhibit A**.
- D. Confirm that the Agent has filed audited financial statements by the Report Date. If audited financial statements are unavailable by the Report Date, confirm that the Agent has filed a Notice of Failure to File on the Report Date.
- E. Confirm that the Agent has filed the budget for the next fiscal year by the Report Date.
- F. Confirm that the Annual Report contains the appropriate information as required by its CDA. Examples of the following information typically required in an Annual Report are as follows:

1. Audited Financial Statements;
2. Budget for next fiscal year;
3. Accounting principles pursuant to which the Audited Financial Statements were prepared; and
4. Operating and financial information contained in the official statement in connection with the Obligation.

G. Confirm that no listed event as required by the Issuer's CDA has occurred. If the Issuer determines that a listed event has occurred, confirm that the Agent causes a notice of such occurrence (the "**Material Event Notice**") to be filed with the MSRB on or before the time period prescribed by the Rule, through EMMA, together with a cover sheet in substantially the form attached hereto as **Exhibit B**.

V. Material Event Notice

The following policies relate to compliance with regulations regarding the filing of a Material Event Notice.

The Staff Designee will:

- A. Notify Bond Counsel and/or the Agent of any Listed Event (defined below) within ten (10) days after the occurrence of the event.
- B. Confirm that the Material Event Notice of such Listed Event was provided to the MSRB, through EMMA, within ten (10) days after the occurrence of an event.

Listed Events include:

- (1) Principal and interest payment delinquencies;
- (2) Non-payment related defaults, if material;
- (3) Unscheduled draws on debt service reserves, if any, reflecting financial difficulties;
- (4) Unscheduled draws on credit enhancements reflecting financial difficulties;
- (5) Substitution of credit or liquidity providers, or their failure to perform;
- (6) Adverse tax opinions, the issuance by the Internal Revenue Service of proposed or final determinations of taxability, Notices of Proposed Issue (IRS Form 5701-TEB) or other material notices or determinations with respect to the tax status of the Obligations, or other material events affecting the tax status of the Obligations;
- (7) Modifications to rights of Bondholders, if material;
- (8) Bond calls, if material, and tender offers;
- (9) Defeasances;

(10) Release, substitution, or sale of property, if any, securing repayment of the Obligations, if material;

(11) Rating changes;

(12) Bankruptcy, insolvency, receivership, or similar event of the City;

(13) The consummation of a merger, consolidation, or acquisition involving the City or the sale of all or substantially all of the assets of the City, other than in the ordinary course of business, the entry into a definitive agreement to undertake such an action or the termination of a definitive agreement relating to any such actions, other than pursuant to its terms, if material; and/or

(14) Appointment of a successor or additional trustee or the change of name of a trustee, if material.

VI. Rating Changes

The following policies relate to compliance with regulations regarding any rating changes. Rating changes may include, without limitation, any change in rating on the Obligations.

The Staff Designee will:

- A. Notify Bond Counsel and/or the Agent of any rating change within ten (10) days after the occurrence of the event.
- B. Confirm that the rating change was provided to the MSRB, through EMMA, within ten (10) days after the rating change in the form of the Material Event Notice.

VII. Defeasance of Obligations

The following policies relate to compliance with regulations regarding any defeasance of any Obligations.

The Staff Designee will:

- A. Confirm Bond Counsel and/or the Agent has filed notice of the defeasance in the form of a Material Event Notice and that the Material Event Notice provides explicit disclosure as to whether the Obligations have been escrowed to maturity or escrowed to call, as well as appropriate disclosure of the timing of maturity or call.

VIII. Training

The following policies relate to compliance with regulations regarding training of staff in connection with the Policy.

The Staff Designee will consult with Bond Counsel and/or the Agent on appropriate training of responsible employees and staff in connection with this Policy.

Adopted on November 4, 2014.

EXHIBIT A

NOTICE OF FAILURE TO FILE ANNUAL REPORT

Name of Issuer: City of Hattiesburg, Mississippi

Date of Issuance: _____, 2014

CUSIP Numbers: _____, _____, _____

NOTICE IS HEREBY GIVEN that the City has not provided an Annual Report as required by its continuing disclosure undertakings. The City anticipates that the Annual Report will be filed by

Dated: _____

**CITY OF HATTIESBURG,
MISSISSIPPI**

By: _____
Authorized Officer

EXHIBIT B

MATERIAL EVENT NOTICE COVER SHEET

Name of Issuer: City of Hattiesburg, Mississippi

Date of Issuance: _____, 2014

CUSIP Numbers: _____

Description of the attached Material Event Notice (Check One):

- | | | |
|-----|-------|--|
| 1. | _____ | Principal and interest payment delinquencies |
| 2. | _____ | Non-Payment related defaults, if material |
| 3. | _____ | Unscheduled draws on debt service reserves, if any, reflecting financial difficulties |
| 4. | _____ | Unscheduled draws on credit enhancements reflecting financial difficulties |
| 5. | _____ | Substitution of credit or liquidity providers, or their failure to perform |
| 6. | _____ | Adverse tax opinions, the issuance by the Internal Revenue Service of proposed or final determinations of taxability, Notices of Proposed Issue (ITS Form 5701-TEB) or other material notices or determinations with respect to the tax status of the bonds, or other material events affecting the tax status of the Bonds |
| 7. | _____ | Modifications to rights of Bondholders, if material |
| 8. | _____ | Bond calls, if material, and tender offers |
| 9. | _____ | Defeasances |
| 10. | _____ | Release, substitution, or sale of property, if any, securing repayment of the securities |
| 11. | _____ | Rating changes |
| 12. | _____ | Bankruptcy, insolvency, receivership or other similar event of the State |
| 13. | _____ | The consummation of a merger, consolidation or acquisition involving the State or the sale of all or substantially all of the assets of the State, other than in the ordinary course of business, the entry into a definitive agreement to undertake such an action or the termination of a definitive agreement relating to any such actions, other than pursuant to its terms, if material |
| 14. | _____ | Appointment of a successor or additional trustee or the change of name of a trustee, if material |
| 15. | _____ | Failure to provide annual financial information as required by the Rule |
| 16. | _____ | Other material event notice (specify) _____ |

I hereby represent that I am authorized by the City/Other Obligated Person or its agent to distribute this information publicly:

Signature: _____

Name: _____ Title: _____

Employer: _____

Address: _____

Issuer, State, Zip Code: _____

Voice Telephone Number: _____

The City Council (the "Governing Body") of the City of Hattiesburg, Mississippi (the "City") took up for consideration the matter of establishing appropriate policies and procedures regarding continuing disclosure obligations and thereupon 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 THE EMPLOYMENT OF PROFESSIONALS IN CONNECTION WITH THE CITY'S ANNUAL CONTINUING DISCLOSURE FILING REQUIREMENT PURSUANT TO RULE 15C2-12, AS AMENDED FROM TIME TO TIME; AUTHORIZING AND APPROVING THE FORM OF A MUNICIPALITIES CONTINUING DISCLOSURE COOPERATION INITIATIVE QUESTIONNAIRE (THE "QUESTIONNAIRE") AND THE FILING OF THE QUESTIONNAIRE WITH THE SECURITIES AND EXCHANGE COMMISSION; AUTHORIZING AND APPROVING THE FORM OF AND ADOPTION OF POLICIES AND PROCEDURES FOR CONTINUING DISCLOSURE/SEC RULE 15C2-12 COMPLIANCE; AND FOR RELATED PURPOSES.

WHEREAS, pursuant to Securities and Exchange Commission Rule 15c2-12, as amended from time to time (the "Rule"), the City is required to provide on an annual basis certain financial information and operating data to the Municipal Securities Rulemaking Board (the "MSRB") through the MSRB's Electronic Municipal Market Access system at www.emma.msrb.org ("EMMA"), in the electronic format then prescribed by the Securities and Exchange Commission (the "SEC") (the "Required Electronic Format") pursuant to the Rule (the "Annual Filing");

WHEREAS, the Governing Body finds it is in the best interest of the City to authorize the law firm of Butler Snow LLP, Ridgeland, Mississippi to serve as dissemination agent and to prepare and distribute all necessary documents in connection with the City's Annual Filing and to approve the form of the engagement letter in connection with the City's Annual Filing;

WHEREAS, the Municipalities Continuing Disclosure Cooperation Initiative (the "Initiative") was created by the SEC to encourage self-reporting by issuers of possible violations related to potential misrepresentations in offering documents concerning an issuer's prior compliance with continuing disclosure obligations through the filing of a Municipalities Cooperation Initiative Questionnaire for Self-Reporting Entities (the "Questionnaire");

WHEREAS, the Governing Body finds it is in the best interest of the City to participate in the Initiative and to approve the form/forms of the Questionnaire and to authorize the law firm of Butler Snow LLP, Ridgeland, Mississippi as special counsel to the City to submit the Questionnaire to the SEC and to approve the form of the engagement letter in connection with submission of the Questionnaire to the Initiative; and

WHEREAS, the Governing Body finds it is in the best interest of the City to monitor post issuance compliance in connection with the City's outstanding bond obligations and pursuant to the City's continuing disclosure agreements/certificates executed in connection with

the City's outstanding bond obligations and to approve the form of and execution of the Policies and Procedures For Continuing Disclosure/SEC Rule 15c2-12 Compliance (the "Policy"), to be dated as of the date of this resolution.

NOW, THEREFORE, BE IT RESOLVED by the Governing Body of the City of Hattiesburg, Mississippi, acting for and on behalf of the City, as follows:

SECTION 1. That the Governing Body of the City hereby employs the law firm of Butler Snow LLP to serve as dissemination agent and to compile the necessary information, with the assistance of the City, in connection with the City's Annual Filing, and the Mayor and the City Clerk of the City are hereby authorized and directed to execute and deliver the engagement letter, attached hereto as **EXHIBIT A**.

SECTION 2. The Governing Body of the City hereby approves the participation in the Initiative and the form of the Questionnaire and the Mayor and the City Clerk of the City are hereby authorized and directed to execute said Questionnaire on behalf of the City, which said Questionnaire shall be in substantially the form attached hereto as **EXHIBIT B**, with such completions, changes, insertions and modifications as shall be approved by the officers executing and delivering the same.

SECTION 3. The Governing Body of the City hereby employs the law firm of Butler Snow LLP to serve as special counsel to the City in connection with the participation in the Initiative, and the Mayor and the City Clerk of the City are hereby authorized and directed to execute and deliver the engagement letter, attached hereto as **EXHIBIT C**. The Governing Body of the City hereby authorizes the City Clerk and the City Attorney to assist Butler Snow LLP in connection with the participation in the Initiative.

SECTION 4. Butler Snow, LLP, Ridgeland, Mississippi and/or the City Clerk of the City are hereby authorized and approved to submit the Questionnaire and/or Questionnaires for and on behalf of the City on or before December 1, 2014 to the SEC.

SECTION 5. The form of the Policy is hereby approved, and the Mayor and the City Clerk of the City are hereby authorized and directed to execute said Policy on behalf of the City. All provisions of the Policy, when executed as authorized herein, shall be incorporated herein, and shall be deemed to be a part of this Resolution fully and to the same extent as if separately set out verbatim herein, which said Policy shall be in substantially the form attached hereto as **EXHIBIT D**, with such completions, changes, insertions and modifications as shall be approved by the officers executing and delivering the same.

SECTION 6. The Mayor and/or City Clerk or any other authorized officer of the Governing Body, be, and they are hereby authorized and directed for and on behalf of the City, to take any and all such actions as may be required by the City to carry out and to 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 said authority.

SECTION 7. All orders, resolutions or proceedings of the Governing Body in conflict with any provision hereof shall be, and the same are hereby repealed, rescinded and set aside, but only to the extent of such conflict. For cause, this resolution shall become effective upon the adoption hereof.

Following further discussion of the foregoing Resolution, Council Member Naylor seconded the motion for its adoption and was adopted by the following roll call vote, to wit:

YEAS: Bradley
Carroll
Dryden
Naylor

NAYS: None

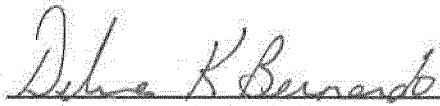
ABSENT:

ABSTAIN: Delgado

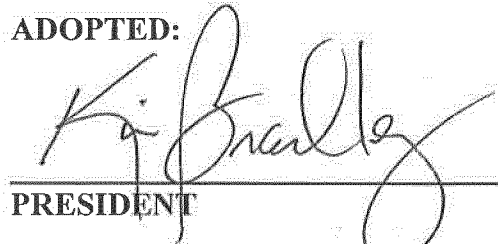
The President thereby declared the motion carried and the Resolution adopted, this the 4th day of November, 2014.

(SEAL)

ATTEST:

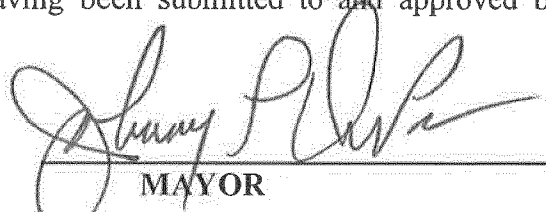

CLERK OF COUNCIL

ADOPTED:


PRESIDENT

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


DEPUTY CITY CLERK


MAYOR

b6
b7C

b6
b7C

EXHIBIT A

DISSIMINATION AGENT ENGAGEMENT LETTER

b6
b7C

BUTLER | SNOW

October 28, 2014

VIA E-MAIL AT SWAITS@HATTIESBURGMS.COM

City of Hattiesburg, Mississippi
Attn: Sharon Waits, Acting City Clerk
P.O. Box 1898
Hattiesburg, MS 39403-1898

Re: City of Hattiesburg, Mississippi 2015 Continuing Disclosure Submission

Dear Ms. Waits:

We served as Bond Counsel in connection with various bond issues of the City. In the past, the City retained our firm to prepare and submit the City's Continuing Disclosure Information Statement in connection with the Bonds. It is once again time to prepare the current year's annual disclosure.

As you may recall, pursuant to each Continuing Disclosure Agreement executed in connection with the issuance of the Bonds, the City is required to provide on an annual basis certain financial information and operating data to the (i) (a) Municipal Securities Rulemaking Board (the "MSRB") through MSRB's Electronic Municipal Market Access system at www.emma.msrb.org ("EMMA"), in the electronic format then prescribed by the Securities and Exchange Commission (the "SEC") (the "Required Electronic Format") pursuant to Rule 15c2-12, as amended from time to time (the "Rule") of the SEC, together with any identifying information or other information then required to accompany the applicable filing (the "Accompanying Information"), and (b) in the future, any successor repository or repositories prescribed by the SEC for the purpose of serving as repository under the Rule (together (a) and (b) are the "National Repository"); and (ii) any public or private repository or entity designated by the State as a State repository for the purposes of the Rule (the "State Repository" and together with the National Repository, the "Repository"), together with any identifying information or other information then required to accompany the applicable filing (the "Accompanying Information"). This continuing disclosure requirement is set forth in the Rule and requires such updated data be filed with EMMA no later than 180 days after the end of each fiscal year. **This year's filing is due on or before March 31, 2015.** Failure to file timely and to comply with the Rule could result in an Enforcement Action by the SEC where the SEC may attempt to require performance and may allege penalties are owed. Additionally, the City's failure to disclose timely may adversely impact bondholders of the Bonds and could adversely affect the sale of future bonds issued by the City.

Post Office Box 6010
Ridgeland, MS 39158-6010

T 601.948.5711
F 601.985.4500
www.butlersnow.com

Suite 1400
1020 Highland Colony Parkway
Ridgeland, MS 39157

BUTLER SNOW LLP

If you would like for our firm to again prepare the Continuing Disclosure Information Statement, we will charge legal fees in an amount not to exceed \$1,500.00 (which includes expenses) to compile the necessary information, with the assistance of the City, and submit the same EMMA.

If you would like for us to handle this matter for you, please have this proposal approved and return a signed copy of this letter to us at your earliest convenience. Alternatively, if you do not wish for us to handle this matter for you, please sign the portion of this letter indicating same, and return it to us. If you have any questions or wish to discuss this matter further, please do not hesitate to contact me.

Very truly yours,

BUTLER SNOW LLP



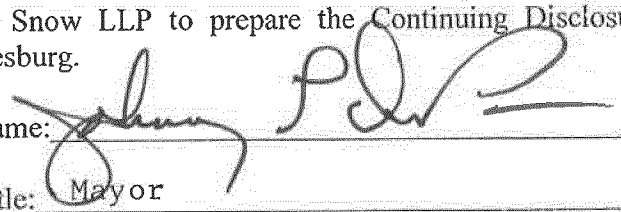
Elizabeth Lambert Clark

APPROVED BY:

Name: _____

Title: _____

We do not wish to retain Butler Snow LLP to prepare the Continuing Disclosure Information Statement for the City of Hattiesburg.



Name: _____

Title: Mayor

Date: 11-4-14

cc: Charles Lawrence, Esquire (via email: celawjr@hotmail.com)
Johnny Dupree, Mayor (via e-mail: mayor@hattiesburgms.com)

EXHIBIT B

FORM OF QUESTIONNAIRE



**U.S. SECURITIES AND EXCHANGE COMMISSION
DIVISION OF ENFORCEMENT**

**MUNICIPALITIES CONTINUING DISCLOSURE COOPERATION INITIATIVE
QUESTIONNAIRE FOR SELF-REPORTING ENTITIES**

NOTE: The information being requested in this Questionnaire is subject to the Commission's routine uses. A list of those uses is contained in SEC Form 1662, which also contains other important information.

1. Please provide the official name of the entity that is self-reporting ("Self-Reporting Entity") pursuant to the MCDC Initiative along with contact information for the Self-Reporting Entity:

Individual Contact Name:
Individual Contact Title:
Individual Contact telephone:
Individual Contact Fax number:
Individual Contact email address:

Full Legal Name of Self-Reporting Entity:
Mailing Address (number and street):
Mailing Address (city):
Mailing Address (state): Select a state...
Mailing Address (zip):

2. Please identify the municipal bond offering(s) (including name of Issuer and/or Obligor, date of offering and CUSIP number) with Official Statements that may contain a materially inaccurate certification on compliance regarding prior continuing disclosure obligations (for each additional offering, attach an additional sheet or separate schedule):

State: Select a state...
Full Name of Issuing Entity:
Full Legal Name of Obligor (if any):
Full Name of Security Issue:
Initial Principal Amount of Bond Issuance:
Date of Offering:
Date of final Official Statement (format MMDDYYYY):
Nine Character CUSIP number of last maturity:

3. Please describe the role of the Self-Reporting Entity in connection with the municipal bond offerings identified in Item 2 above (select Issuer, Obligor or Underwriter):

- ☐ Issuer
☐ Obligor
☐ Underwriter

4. Please identify the lead underwriter, municipal advisor, bond counsel, underwriter's counsel and disclosure counsel, if any, and the primary contact person at each entity, for each offering identified in Item 2 above (attach additional sheets if necessary):

Senior Managing Underwriting Firm:

Primary Individual Contact at Underwriter:

Financial Advisor:

Primary Individual Contact at Financial Advisor:

Bond Counsel Firm:

Primary Individual Contact at Bond Counsel:

Law Firm Serving as Underwriter's Counsel:

Primary Individual Contact at Underwriter's Counsel:

Law Firm Serving as Disclosure Counsel:

Primary Individual Contact at Disclosure Counsel:

5. Please include any facts that the Self-Reporting Entity would like to provide to assist the staff of the Division of Enforcement in understanding the circumstances that may have led to the potentially inaccurate statements (attach additional sheets if necessary):

On behalf of [Name of Self-Reporting Entity]

I hereby certify that the Self-Reporting Entity intends to consent to the applicable settlement terms under the MCDC Initiative.

By: _____

Name of Duly Authorized Signer:

Title:

EXHIBIT C

SPECIAL COUNSEL ENGAGEMENT LETTER

BUTLER | SNOW

October 28, 2014

VIA E-MAIL AT SWAITS@HATTIESBURGMS.COM

City of Hattiesburg, Mississippi
Attn: Sharon Waits, Acting City Clerk
P.O. Box 1898
Hattiesburg, MS 39403-1898

Dear Ms. Waits:

This letter is to confirm our engagement as special counsel to the City of Hattiesburg, Mississippi (the "City") in connection with advising the City with regard to possible participation in the Municipalities Continuing Disclosure Cooperation Initiative (the "Initiative") of the Securities and Exchange Commission (the "SEC"). This letter sets forth the role we propose to serve and the responsibilities we propose to assume as special counsel to the City in connection with this engagement. Our engagement hereunder is as special counsel to the City and we are not representing any officer or any individual member of the governing body of the City in connection with these matters.

Scope of Services

We understand our employment will include conferences with the City with regard to its past compliance with its continuing disclosure undertakings in connection with prior City financings, reviewing statements made by the City regarding its compliance in Official Statements delivered to investors since 2009, and advising the City about whether to participate in the Initiative. Our services do not include financial advice to the City. Our services as special counsel to the City are limited to those contracted for explicitly herein and the execution of this letter by the City constitutes an acknowledgment of those limitations.

Attorney-Client Relationship

In performing our services as special counsel, the City will be our client. We will represent the interests of the City, respectively, rather than the City Council, the Council's individual members, or the City's employees.

Conflicts of Interest

Before accepting any new business, the Mississippi Rules of Professional Conduct (the "Rules") require us to evaluate whether there exist any ethical constraints to representing the City. We have completed a conflicts check within our firm and have found no current conflict between the City and our existing clients.

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T 601.948.5711
F 601.985.4500
www.butlersnow.com

Suite 1400
1020 Highland Colony Parkway
Ridgeland, MS 39157

BUTLER SNOW LLP

As we have discussed with Charles Lawrence, City of Hattiesburg City Attorney, we have served as bond counsel to the City in connection with bond issuances which we understand have been self-reported by certain underwriters under the Initiative and are included under Exhibit B attached hereto. We have participated in the preparation of official statements and continuing disclosure undertakings subject to our bond counsel representation. We have also assisted the City with certain annual continuing disclosure undertakings related to City bond issuances.

The Initiative may create a tension between the City and its officials, employees and representative advisors. Initiative participation does not protect individuals associated with bond issues from further enforcement action. If the SEC pursues action against City officials as a result of information gleaned from the Initiative questionnaire, representatives of the City may be required to cooperate with the SEC in the ensuing investigation. The information in the MCDC questionnaire may also lead to investigations of and enforcement actions against City advisors such as underwriters, financial advisors or bond lawyers.

At this time, to the best of our knowledge, the SEC has made no allegations against City representatives or advisors as described in the immediately preceding paragraph. It is possible, though, that the interests of the City and Butler Snow may diverge in connection with Butler Snow representation hereunder in the event that the SEC pursues action against other transaction participants (including Butler Snow) as a result of the Initiative. The City and Butler Snow hereby agree that should there ever be any litigation, arbitration or other adversary proceeding, claim or dispute that may result in a conflict of interest between Butler Snow and the City, Butler Snow may be required to either request additional waivers from the City and/or terminate our engagement as special counsel hereunder.

Document Retention

Butler Snow maintains its client files electronically. We do not keep separate paper files. We will scan documents you or others send to us related to your matter to our electronic file for that matter and will retain only the electronic version while your matter is pending. Unless you instruct us otherwise, once such documents have been scanned to our electronic file, we will destroy all paper documents provided to us. If you send us original documents that need to be maintained as originals while the matter is pending, we ordinarily will scan those to our client file and return the originals to you for safekeeping. Alternatively, you may request that we maintain such originals while the matter is pending. If we agree to do that, we will make appropriate arrangements to maintain those original documents.

Unless you instruct us otherwise, once our work on this matter is completed, we will designate your file as a closed file on our system and will apply our document retention policy then in effect to the materials in your closed file. At that time, we ordinarily will return to you any original documents we have maintained in accordance with the preceding paragraph while the matter was pending. Otherwise, we will retain the closed file materials for our benefit and subject to our own policies and procedures concerning file retention and destruction. Accordingly, if you desire copies of any documents (including correspondence, e-mails, pleadings, contracts, agreements, etc.) related to this matter or generated while it was pending,

you should request such copies at the time our work on this matter is completed. A more complete notice of Butler Snow's Record Retention and Destruction Policy for Client Files, which also will be applicable to this Engagement, is attached as Exhibit A and incorporated herein by reference.

Termination of Engagement

Upon completion of our services as outlined in this letter, our responsibilities as special counsel will terminate and our representation of the City and the attorney-client relationship created by this engagement letter will be concluded. Should the City seek other, additional legal services, we would be happy to discuss the nature and extent of our separate engagement at that time.

We are pleased to have the City as our client, and look forward to a mutually satisfactory and beneficial relationship. If the foregoing terms are acceptable to you, please so indicate by returning a copy of this letter signed by the appropriate individual so authorized for the City and keeping a copy for your files. Thank you.

Very truly yours,

BUTLER SNOW LLP



Elizabeth Lambert Clark

Accepted and Approved:

CITY OF HATTIESBURG, MISSISSIPPI

By: 

Title: Mayor

Date: 11-4-14

Enclosures

cc: Charles Lawrence, Esquire City of Hattiesburg, Mississippi City Attorney

Exhibit A

NOTICE TO CLIENTS OF BUTLER SNOW'S RECORD RETENTION & DESTRUCTION POLICY FOR CLIENT FILES

Butler Snow maintains its client files electronically. Ordinarily, we do not keep separate paper files. We will scan documents you or others send to us related to your matter to our electronic file for that matter and will ordinarily retain only the electronic version while your matter is pending. **Unless you instruct us otherwise, once such documents have been scanned to our electronic file, we will destroy all paper documents provided to us.** If you send us original documents that need to be maintained as originals while the matter is pending, we ordinarily will scan those to our client file and return the originals to you for safekeeping. Alternatively, you may request that we maintain such originals while the matter is pending. If we agree to do that, we will make appropriate arrangements to maintain those original documents while the matter is pending.

At all times, records and documents in our possession relating to your representation are subject to Butler Snow's Record Retention and Destruction Policy for Client Files. Compliance with this policy is necessary to fulfill the firm's legal and ethical duties and obligations, and to ensure that information and data relating to you and the legal services we provide are maintained in strict confidence at all times during and after the engagement. All client matter files are subject to these policies and procedures.

At your request, at any time during the representation, you may access or receive copies of any records or documents in our possession relating to the legal services being provided to you, excluding certain firm business or accounting records. We reserve the right to retain originals or copies of any such records or documents as needed during the course of the representation.

Unless you instruct us otherwise, once our work on this matter is completed, we will designate your file as a closed file on our system and will apply our document retention policy then in effect to the materials in your closed files. At that time, we ordinarily will return to you any original documents we have maintained in accordance with the preceding paragraph while the matter was pending. Otherwise, we will retain the closed file materials for our benefit and subject to our own policies and procedures concerning file retention and destruction. Accordingly, if you desire copies of any documents (including correspondence, e-mails, pleadings, contracts, agreements, etc.) related to this matter or generated while it was pending, you should request such copies at the time our work on this matter is completed.

You will be notified and given the opportunity to identify and request copies of such items you would like to have sent to you or someone else designated by you. You will have 30 days from the date our notification is sent to you to advise us of any items you would like to receive. You will be billed for the expense of assimilating, copying and transmitting such records. We reserve the right to retain copies of any such items as we deem appropriate or necessary for our use. Any non-public information, records or documents retained by Butler Snow and its employees will be kept confidential in accordance with applicable rules of professional responsibility.

Any file records and documents or other items not requested within 30 days will become subject to the terms of Butler Snow's Record Retention and Destruction Policy for Client Files and will be subject to final disposition by Butler Snow at its sole discretion. Pursuant to the terms of Butler Snow's Record Retention and Destruction Policy for Client Files, all unnecessary or extraneous items, records or documents may be removed from the file and destroyed. The remainder of the file will be prepared for closing and placed in storage or archived. It will be retained for the period of time established by the policy for files related to this practice area, after which it will be completely destroyed. This includes all records and documents, regardless of format.

While we will use our best efforts to maintain confidentiality and security over all file records and documents placed in storage or archived, to the extent allowed by applicable law, Butler Snow specifically disclaims any responsibility for claimed damages or liability arising from damage or destruction to such records and documents, whether caused by accident; natural disasters such as flood, fire, or wind damage; terrorist attacks; equipment failures; breaches of Butler Snow's network security; or the negligence of third-party providers engaged by our firm to store and retrieve records.

Exhibit B

Bond Issues Reported to SEC

\$9,950,000 General Obligation Pool Loan Refunding Bonds, Series 2009 of the City of Hattiesburg, Mississippi dated 12/21/09
¹ \$2,560,000 Taxable General Obligation Refunding Bonds, Series 2010 of the City of Hattiesburg, Mississippi dated 7/15/10
¹ \$715,000 City of Hattiesburg, Mississippi Taxable Tax Increment Limited Obligation Bonds, Series 2011 (Turtle Creek)
\$12,500,000 Mississippi Development Bank Special Obligation Bonds, Series 2012 (Hattiesburg, Mississippi Combined Water and Sewer System Construction Project) dated 3/29/12

ButlerSnow 23190150v2

EXHIBIT D
POLICY

**CITY OF HATTIESBURG, MISSISSIPPI
POLICIES AND PROCEDURES
FOR CONTINUING DISCLOSURE/SEC RULE 15c2-12 COMPLIANCE**

I. Statement of Purpose

This Policies and Procedures for Continuing Disclosure/SEC Rule 15c2-12 Compliance (this "**Policy**") designates specific policies of the City of Hattiesburg, Mississippi (the "**Issuer**") to monitor and ensure post issuance compliance under and pursuant to its continuing disclosure agreements/certificates (the "**CDA**") in connection with certain bond obligations (the "**Obligations**") issued by the Issuer with applicable provisions of the Securities and Exchange Commission's ("**SEC**") Rule 15c2-12 (the "**Rule**").

This Policy describes various procedures and systems designed to identify on a timely basis facts relevant to demonstrating compliance with the requirements that must be satisfied subsequent to the issuance of Obligations in order that the Obligations be, or continue to be, in compliance with the CDA and the Rule. The Issuer recognizes that compliance with the Rule is an on-going process, necessary, during the entire term of the Obligations, and is an integral component of the Issuer's overall debt management policies. Accordingly, the analysis of those facts and implementation of this Policy will require on-going monitoring and may require consultation with bond counsel or other professionals beyond the scope of their initial engagement with respect to the issuance of particular Obligations.

II. Responsible Parties

- A. The Chief Financial Officer shall identify an appropriate officer (currently the Chief Financial Officer) to be responsible for monitoring the Issuer's post-issuance compliance issues (the "**Staff Designee**"). The Chief Financial Officer shall be responsible for ensuring an adequate succession plan for transferring post-issuance compliance responsibility when changes in officers and staff occur.
- B. The Staff Designee will coordinate procedures for record retention and review of such records.
- C. The Staff Designee will review post-issuance compliance procedures and systems on a periodic basis, but not less than annually, will keep a log to document such reviews, and will consult as necessary with the Issuer's financial advisor and bond counsel.
- D. The Staff Designee shall maintain originals and copies of all documents and other records relating to the Obligations.
- E. The Staff Designee will review each issue of Obligations for compliance with this Policy on a periodic basis, but not less than annually, and will keep a log to document such reviews.

III. General Recordkeeping

The Staff Designee will maintain and store a copy of the following documents on file at all times for the life of the Obligations plus three (3) years:

- Financing transcript (may be in CD form);
- Copy of the CDA for each Obligation;
- Copy of the Official Statement for each Obligation;
- Copy of any rating reports or analysis;
- Copy of any defeasance, refunding or redemption notices;
- Copy of any Material Event Notice (as defined below);
- Copy of any Notice of Failure to File Annual Report (as defined below);
- Copy of any Annual Filing (as defined below);
- Copy of Financial Statements of the Issuer; and
- Copy of Current Budget information of the Issuer.

IV. Annual Filing

The following relate to compliance with the Rule regarding Annual Filings of Obligations.

The Staff Designee will:

- A. Appoint or engage bond counsel or a dissemination agent (the "Agent") to assist in carrying out its obligations under this Policy, each CDA and the Rule. If the Issuer does not engage an Agent to file its Annual Filing, the Staff Designee shall be responsible for submitting the information required in this Policy directly to the MSRB (as defined below) through EMMA (as defined below) pursuant to each CDA.
- B. Confirm that the Agent has filed with the Municipal Securities Rulemaking Board (the "MSRB") through the EMMA Dataport ("EMMA") at <http://www.emma.msrb.org>; information which is consistent with the requirements under its CDA (the "Annual Filing") no later than the date required for the reporting of each Annual Filing as determined by each CDA (the "Report Date"). The Annual Filing may be submitted as a single document or as separate documents comprising a package, and may be submitted separately from the balance of the Annual Filing.
- C. If the Issuer is unable to provide the Annual Filing or portions of the Annual Filing by the Report Date, confirm that the Agent has filed on the Report Date a notice to the MSRB (the "Notice of Failure to File") in substantially the form attached hereto as Exhibit A.
- D. Confirm that the Agent has filed audited financial statements by the Report Date. If audited financial statements are unavailable by the Report Date, confirm that the Agent has filed a Notice of Failure to File on the Report Date.
- E. Confirm that the Agent has filed the budget for the next fiscal year by the Report Date.
- F. Confirm that the Annual Report contains the appropriate information as required by its CDA. Examples of the following information typically required in an Annual Report are as follows:

1. Audited Financial Statements;
2. Budget for next fiscal year;
3. Accounting principles pursuant to which the Audited Financial Statements were prepared; and
4. Operating and financial information contained in the official statement in connection with the Obligation.

G. Confirm that no listed event as required by the Issuer's CDA has occurred. If the Issuer determines that a listed event has occurred, confirm that the Agent causes a notice of such occurrence (the "**Material Event Notice**") to be filed with the MSRB on or before the time period prescribed by the Rule, through EMMA, together with a cover sheet in substantially the form attached hereto as **Exhibit B**.

V. Material Event Notice

The following policies relate to compliance with regulations regarding the filing of a Material Event Notice.

The Staff Designee will:

- A. Notify Bond Counsel and/or the Agent of any Listed Event (defined below) within ten (10) days after the occurrence of the event.
- B. Confirm that the Material Event Notice of such Listed Event was provided to the MSRB, through EMMA, within ten (10) days after the occurrence of an event.

Listed Events include:

- (1) Principal and interest payment delinquencies;
- (2) Non-payment related defaults, if material;
- (3) Unscheduled draws on debt service reserves, if any, reflecting financial difficulties;
- (4) Unscheduled draws on credit enhancements reflecting financial difficulties;
- (5) Substitution of credit or liquidity providers, or their failure to perform;
- (6) Adverse tax opinions, the issuance by the Internal Revenue Service of proposed or final determinations of taxability, Notices of Proposed Issue (IRS Form 5701-TEB) or other material notices or determinations with respect to the tax status of the Obligations, or other material events affecting the tax status of the Obligations;
- (7) Modifications to rights of Bondholders, if material;
- (8) Bond calls, if material, and tender offers;
- (9) Defeasances;

(10) Release, substitution, or sale of property, if any, securing repayment of the Obligations, if material;

(11) Rating changes;

(12) Bankruptcy, insolvency, receivership, or similar event of the City;

(13) The consummation of a merger, consolidation, or acquisition involving the City or the sale of all or substantially all of the assets of the City, other than in the ordinary course of business, the entry into a definitive agreement to undertake such an action or the termination of a definitive agreement relating to any such actions, other than pursuant to its terms, if material; and/or

(14) Appointment of a successor or additional trustee or the change of name of a trustee, if material.

VI. Rating Changes

The following policies relate to compliance with regulations regarding any rating changes. Rating changes may include, without limitation, any change in rating on the Obligations

The Staff Designee will:

- A. Notify Bond Counsel and/or the Agent of any rating change within ten (10) days after the occurrence of the event.
- B. Confirm that the rating change was provided to the MSRB, through EMMA, within ten (10) days after the rating change in the form of the Material Event Notice.

VII. Defeasance of Obligations

The following policies relate to compliance with regulations regarding any defeasance of any Obligations.

The Staff Designee will:

- A. Confirm Bond Counsel and/or the Agent has filed notice of the defeasance in the form of a Material Event Notice and that the Material Event Notice provides explicit disclosure as to whether the Obligations have been escrowed to maturity or escrowed to call, as well as appropriate disclosure of the timing of maturity or call.

VIII. Training

The following policies relate to compliance with regulations regarding training of staff in connection with the Policy.

The Staff Designee will consult with Bond Counsel and/or the Agent on appropriate training of responsible employees and staff in connection with this Policy.

Adopted on November 4, 2014.

EXHIBIT A

NOTICE OF FAILURE TO FILE ANNUAL REPORT

Name of Issuer: City of Hattiesburg, Mississippi

Date of Issuance: _____, 2014

CUSIP Numbers: _____, _____, _____

NOTICE IS HEREBY GIVEN that the City has not provided an Annual Report as required by its continuing disclosure undertakings. The City anticipates that the Annual Report will be filed by _____

Dated: _____

**CITY OF HATTIESBURG,
MISSISSIPPI**

By: _____
Authorized Officer

EXHIBIT B

MATERIAL EVENT NOTICE COVER SHEET

Name of Issuer: City of Hattiesburg, Mississippi

Date of Issuance: _____, 2014

CUSIP Numbers: _____, _____, _____

Description of the attached Material Event Notice (Check One):

- | | | |
|-----|-------|--|
| 1. | _____ | Principal and interest payment delinquencies |
| 2. | _____ | Non-Payment related defaults, if material |
| 3. | _____ | Unscheduled draws on debt service reserves, if any, reflecting financial difficulties |
| 4. | _____ | Unscheduled draws on credit enhancements reflecting financial difficulties |
| 5. | _____ | Substitution of credit or liquidity providers, or their failure to perform |
| 6. | _____ | Adverse tax opinions, the issuance by the Internal Revenue Service of proposed or final determinations of taxability, Notices of Proposed Issue (ITS Form 5701-TEB) or other material notices or determinations with respect to the tax status of the bonds, or other material events affecting the tax status of the Bonds |
| 7. | _____ | Modifications to rights of Bondholders, if material |
| 8. | _____ | Bond calls, if material, and tender offers |
| 9. | _____ | Defeasances |
| 10. | _____ | Release, substitution, or sale of property, if any, securing repayment of the securities |
| 11. | _____ | Rating changes |
| 12. | _____ | Bankruptcy, insolvency, receivership or other similar event of the State |
| 13. | _____ | The consummation of a merger, consolidation or acquisition involving the State or the sale of all or substantially all of the assets of the State, other than in the ordinary course of business, the entry into a definitive agreement to undertake such an action or the termination of a definitive agreement relating to any such actions, other than pursuant to its terms, if material |
| 14. | _____ | Appointment of a successor or additional trustee or the change of name of a trustee, if material |
| 15. | _____ | Failure to provide annual financial information as required by the Rule |
| 16. | _____ | Other material event notice (specify) _____ |

I hereby represent that I am authorized by the City/Other Obligated Person or its agent to distribute this information publicly:

Signature: _____

Name: _____ Title: _____

Employer: _____

Address: _____

Issuer, State, Zip Code: _____

Voice Telephone Number: _____