

ADDENDUM NUMBER 3
OCTOBER 3, 2017

Jackson County Utility Authority Project No. 20150619124

Pascagoula/Moss Point WWTP Escatawpa WWTP Repairs – Year 2

FROM:

BURK-KLEINPETER, INC.

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TO: PROSPECTIVE BIDDERS

This addendum forms a part of the Contract Documents and modifies Specification sections and Drawings as denoted below. Acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification. Bidder is responsible to disseminate this addendum to all subcontractors and material suppliers concerned.

Sealed bids will be received by the JACKSON COUNTY UTILITY AUTHORITY at 1225 Jackson Avenue, Pascagoula, Mississippi 39567, until **1:00 pm, October 12, 2017** at which time they will be publicly opened and read aloud.

QUESTIONS

Question 1: Should Bid Item A2.4 be the Electrical for Alt. “No. 2”, as opposed to “No.1”?

Answer 1: Please see Item A1 in Changes to Specifications.

Question 2: Sheet G.02, Note #3 says there is work at the Headworks like removing and replacing the existing grit handling equipment and modifying the grit piping. Was this from the previous phase?

Answer 2: Please see Item B1 in Changes to Drawings.

Question 3: Do the stop gates upstream and downstream of the mechanical bar screen operate properly, so as to provide a completely dry working area at the screen?

Answer 3: The slides gates upstream and downstream of the existing mechanical screen are operational.

Question 4: Will the installation of the new Mechanical Bar screen require any modification whatsoever to the existing channel of the Headworks.

Answer 4: It is the intent of the design that the new screen be able to fit into the existing space occupied by the existing screen. There may be some minor modifications required such as grouting at the base of the screen to provide the proper bottom elevation.

The Engineer cannot state that the new screen will fit perfectly into the existing concrete structure with no modification. It will be the responsibility of the Contractor to provide the screen manufacturer with accurate dimensions for screen manufacture based on the existing conditions.

Question 5: Will the installation of the new Mechanical Bar Screen require a new Discharge Chute down to the dumpster?

Answer 5: The existing discharge chute will remain in place. There may be some modifications required to fit the existing discharge chute to the new washer compactor discharge.

Question 6: In reference to the new Dry Pit Pump at Escatawpa, the plans say the pump and all accessories are being provided by the Owner. The specs say it's provided by the GC. Please clarify.

Answer 6: The pump will be supplied by the Owner.

Question 7: Section 11060 para. 3.01.1.A lists two pieces of equipment to be installed, the I believe are not on the project. Please clarify.

Answer 7 Please see Item A3 in Changes to Specifications.

Question 8: We are assuming the coating of the Access Bridges, stair and supports at Clarifiers #1 and #2 will go in Bid Item A2.1. Please confirm.

Answer 8: The coating of the access bridges, stairs and supports at Clarifiers #1 and #2 at the PMP WWTP will be included in Bid Item A2.1.

Question 9: The spec for the new Influent Pump at Escatawpa say the pump ad discharge piping shall be 6" diameter. Sheet M.14 says all associated piping is 10" diameter. Please clarify the size of the pump and all piping.

Answer 9: The piping will be the same size as the existing pump discharge piping. Contractor will supply the necessary reducer/enlarger to meet the pump suction and discharge diameters to the 10" discharge piping and the existing suction piping from the wet well as necessary. Contractor will verify all pipe sizes prior to ordering materials.

Question 10: In regards to bypassing the Influent Pump Station at Escatawpa, what is the daily flow of the pump station and where is the closest point of discharge?

Answer 10: The peak dry weather flow is between 0.5-1.0 MGD, and the peak wet weather flow can be in excess of 5.0 MGD. The closest point of discharge would be at the Headworks which is approximately 100 feet from the influent pump station wet well.

Question 11: What is the depth of the 12” Pug Valve at Aeration Basin #1?

Answer 11: Delete the 12” plug valve replacement from the project. See Item B2 under Changes to Drawings.

Question 12: Do we have to submit the entire project manual with the Bid?

Answer 12: You do not have to submit the entire project manual with the Bid. At time of bid, just submit the bid form and the bid bond.

CHANGES TO SPECIFICATIONS

- A1. Delete the Bid Form and add the Bid Form attached to this Addendum No. 3.
- A2. Delete Section 01025 - Measurement and Payment and add Section 01025 – Measurement and Payment attached to this Addendum No. 3.
- A3. Specification 11060, Section 3.01.A, Page 2, Delete the following”
 - “1. Pista Grit Paddle Assemblies and Drive Motors
 - 2. Bioscrubber Odor Control Equipment”

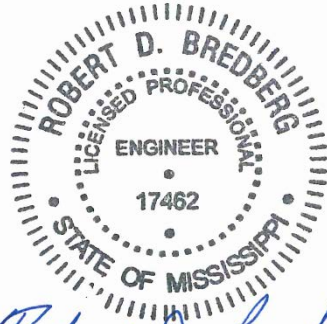
And Add the following:

- “1. Mechanically Cleaned Automatic Bar Screen and Washer Compactor.
- 2. Low Speed Surface Aerators.”

CHANGES TO DRAWINGS

- B1. Delete Sheet No. G.02 and Add the attached Sheet No. G.02.
- B2. Delete the following from Sheet M.05:
- “6. CONTRACTOR SHALL REMOVE THE 12” PLUG VALVE (12”V-802) M-16-08. CONTRACTOR SHALL FURNISH AND INSTALL A NEW 12” DRAIN VALVE (12”V-802) M-16-08 WITH VALVE BOX AND COVER FLUSH WITH THE SURFACE OF THE EXISTIGN GROUND.”

END OF ADDENDUM NO. 2



Robert D. Bredberg 10/3/17
Robert D. Bredberg, P.E. Date

BID FORM

PASCAGOULA/MOSS POINT WWTP AND ESCATAWPA WWTP REPAIRS – YEAR 2

PROJECT NUMBER 20150619124

TABLE OF ARTICLES

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ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Jackson County Utility Authority (JCUA)
1225 Jackson Avenue
Pascagoula, MS 39567

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Project Manual to perform all Work as specified or indicated in the Bidding Documents for the price(s) and within the times indicated in this Bid and in accordance with the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Advertisement for Bids and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such period of time that the Bidder may agree to in writing upon request of Owner. Bidder will sign the Agreement and will furnish the required contract security, and other required documents within the time periods set forth in the Bidding Documents.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

- A. Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, if any, and the following Addenda, receipt of all of which is hereby acknowledged.

Addendum No.	Date Received	Addendum No.	Date Received
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

- B. Bidder has visited the Site(s) and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and is satisfied as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all:
 - 1. Reports of explorations and test of subsurface conditions at or contiguous to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities), if any, that have been identified in the Supplementary Conditions in SC-5.03 as containing reliable “technical data”, and
 - 2. Reports and drawings of Hazardous Environmental Conditions identified at the Site, if any, that have been identified in SC-5.06 as containing reliable “technical data”.
- E. Bidder has considered the information known to Bidder, information commonly known to contractors doing business in the locality of the Site, information and observations obtained from visits to the Site, the Bidding Documents, and the Site-related reports and drawings identified in the Bidding Documents with respect to the effect of such information, observations, and documents on
 - 1. the cost, progress and performance of the Work

2. the means, methods, techniques, sequences and procedures of construction to be employed by Bidder, including applying any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder; and
 3. Bidder's safety precautions and programs.
- F. Based on the information and observations referred to in Paragraph 3.01.E, Bidder does not consider that further examinations, investigations, explorations, tests, studied, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times required and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work (if any) to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicated and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

ARTICLE 4 – BIDDER'S CERTIFICATIONS

4.01 Bidder certifies that:

- A. This Bid is genuine and is not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation.
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding.

- D. Bidder has not engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract. For the purposes of Paragraph 4.01.D;
1. Corrupt practice means the offering, giving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
 2. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
 3. Collusive practice means to participate in a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, with a purpose to establish bid prices at artificial, non-competitive levels.
 4. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in Accordance with the Contract Documents for the following prices(s):

Item No.	Item Description	Units	Engineer's Estimated Quantity	Lump Sum Written Price (Written in Words)	Extended Totals (Written in Figures)
BASE BID ITEMS (all base bid items are located at the Pascagoula/Moss Point WWTP)					
Item 1	Mobilization and Demobilization	Lump Sum	1	_____ Dollars and _____ Cents Lump Sum	\$ _____
Item 2	Pre-Construction Video and Photographs	Lump Sum	1	_____ Dollars and _____ Cents Lump Sum	\$ _____
Item 3	Draining and Cleaning of Aeration Basin No. 1	Lump Sum	1	_____ Dollars and _____ Cents Per Lump Sum	\$ _____
Item 4	Low Speed Surface Aerators at Aeration Basin No. 1	Each	4	_____ Dollars and _____ Cents Per Each	\$ _____
Item 5	Cleaning and Resealing of Concrete Joints at Aeration Basin No. 1	Lump Sum	1	_____ Dollars and _____ Cents Per Lump Sum	\$ _____

Item 6	3" Air Control Valve Replacement Aeration Basin No. 1	Lump Sum	1	_____ Dollars and _____ Cents Per Lump Sum	\$ _____
Item 7	Slide Gate Replacement in Influent Channel at Aeration Basin No. 1	Lump Sum	1	_____ Dollars and _____ Cents Per Lump Sum	\$ _____
Item 8	Replace Adjustable Weirs at Aeration Basin No. 1	Each	2	_____ Dollars and _____ Cents Per Lump Sum	\$ _____
Item 9	Install Pump Rails and Discharge Piping for Mobile Drain Pump in Aeration Basin No. 1	Lump Sum	1	_____ Dollars and _____ Cents Per Lump Sum	\$ _____
Item 10	Electrical Improvements related to Base Bid Items	Lump Sum	1	_____ Dollars and _____ Cents Per Lump Sum	\$ _____

Total Base Bid Price (Items 1 through 10) = \$ _____

Item No.	Item Description	Units	Engineer's Estimated Quantity	Lump Sum Written Price (Written in Words)	Extended Totals (Written in Figures)
ALTERNATE NO. 1 BID ITEMS					
Item A1.1	New Mechanically Cleaned Screen at PMP WWTP Headworks	Lump Sum	1	_____ Dollars and _____ Cents Lump Sum	\$ _____
Item A1.2	Electrical Improvements related to Alternate No. 1 Bid Items	Lump Sum	1	_____ Dollars and _____ Cents Lump Sum	\$ _____

Total Alternate No. 1 Bid Price (Item A1.1 through A1.2) = \$ _____

Item No.	Item Description	Units	Engineer's Estimated Quantity	Lump Sum Written Price (Written in Words)	Extended Totals (Written in Figures)
ALTERNATE NO. 2 BID ITEMS					
Item A2.1	Replacement of Drive Units on Secondary Clarifiers No. 1 and No. 2 PMP WWTP	Lump Sum	1	_____ Dollars and _____ Cents Lump Sum	\$ _____
Item A2.2	Installation of New Dissolved Oxygen Metering Devices in Aeration Basins 1, 2 and 3 at PMP WWTP	Lump Sum	1	_____ Dollars and _____ Cents Lump Sum	\$ _____

Item A2.3	Installation of New Influent Pump at Escatawpa WWTP	Lump Sum		_____ Dollars and _____ Cents Lump Sum	\$ _____
Item A2.4	Electrical Improvements related to Alternate No. 2 Bid Items	Lump Sum		_____ Dollars and _____ Cents Lump Sum	\$ _____

Total Alternate No. 2 Bid Price (Items A2.1 through A2.4) = \$ _____

Unit prices have been computed in accordance with Paragraph 11.03.B of the General Conditions.

Bidder acknowledges that estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work items will be based on actual quantities of Unit Price Work, determined as provided in the Contract Documents.

Owner will make the determination to accept the prices bid for Alternates No. 1 and Alternate No. 2 at the time of bid. The Owner may elect to choose only Alternate No. 1, however the Owner cannot choose Alternate No. 2 without also choosing Alternate No. 1. The apparent low bidder will be determined by the base bid plus Alternate No.1 or the total base bid plus Alternate No. 1 and Alternate No. 2 for all bidders.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 Bidder agrees that the Work will be substantially complete and completed and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions on or before the dates or within the number of calendar days stated in the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated and special damages in the event of failure to complete the Work within the Contract Times.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are attached to and made a conditions of this Bid:
- A. Required Bid security in the form of a Bid Bond.
 - B. Required Bidder Qualifications Statement with supporting data.
 - C. A tabulation of Subcontractors, Suppliers, and other individuals and entities required to be identified in this Bid.
 - D. Affidavit of non-collusion.

ARTICLE 8 – DEFINED TERMS

- 8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders and the General and Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

9.01 This Bid submitted on _____, 2017 by:

If Bidder is:

AN INDIVIDUAL

Name (typed or printed): _____

By _____

(Individuals Signature)

Doing business as _____

License or Registration Number: _____

Business Address: _____

Phone No.: _____ Fax No.: _____

E-mail Address: _____

A PARTNERSHIP

Partnership Name: _____

By: _____

(Signature of General Partner – Attached evidence of authority to sign)

Name (typed or printed): _____

License or Registration Number: _____

Business Address: _____

Phone No.: _____ Fax No.: _____

E-mail Address: _____

A CORPORATION

Corporation Name: _____

(State of Incorporation)

By: _____
(Signature – Attach evidence of authority to sign)

Name and Title (typed or printed): _____

(Corporate Seal)

Attest: _____
(Secretary)

License or Registration Number: _____

Business Address: _____

Phone No.: _____ Fax No.: _____

E-mail Address: _____

LIMITED LIABILITY COMPANY

By: _____
(Firm Name)

(State of Formation)

By: _____
(Signature of Member/Authorized to Sign)

(Printed or Typed Name and Title of Member Authorized to Sign –
Attach evidence of authority to sign.)

License or Registration Number: _____

Business Address: _____

Phone No.: _____ Fax No.: _____

E-mail Address: _____

A JOINT VENTURE

Name of Joint Venture: _____

First Joint Venturer Name: _____

By: _____
(Signature of First Joint Venturer – Attach evidence of authority to sign)

Name (typed or printed): _____

(Title)

Second Joint Venturer Name: _____

By: _____
(Signature of Second Joint Venturer – Attach evidence of authority to sign)

Name (typed or printed): _____

(Title)

(Each joint venture must sign. The manner of signing for each individual, partnership, corporation or limited liability company that is party to the joint venture shall be in the manner indicated above.)

Business Address: _____

Phone and fax numbers and address of receipt of communications to joint venture:

Joint Venture Address: _____

Phone No.: _____ Fax No.: _____

E-mail Address: _____

- END OF BID FORM -

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 SUMMARY

- A. The project shall be constructed complete as shown and indicated on the Contract Drawings and as described in the Contract Specifications.

- B. Payment shall include all compensation to be received by the Contractor for furnishing all tools, equipment, supplies, and manufactured articles, and for all labors, operations, and incidentals as necessary to complete the various items of work all in accordance with the requirements of the Contract Documents, including all costs of compliance with the regulations of public agencies having jurisdiction. The Contractor is hereby on notice that no separate payment will be made for any item not specifically called out, but that is required to properly complete the project.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

PART 4 MEASUREMENT AND PAYMENT

4.01 SCOPE

- A. The Total Base Bid Price shall cover all work required by the Contract Documents. All costs in connection with the proper and successful completion of the work, including furnishing all materials, equipment, supplies, and appurtenances; providing all construction equipment, and tools; and performing all necessary labor and supervision to fully complete the work, shall be included in the unit and lump sum prices bid. All work not specifically set forth as a pay items in the Bid Form shall be considered a subsidiary obligation of the Contractor and all costs in connection therewith shall be included in the prices bid.

4.02 ESTIMATED QUANTITIES

- A. All estimated quantities stipulated in the Bid Form or other Contract Documents are approximate and are to be used only (a) as a basis for estimating the probable cost of the work, and (b) for the purpose of comparing the bids submitted for the work. The actual amounts of work done and materials furnished under until price items may differ from the estimated quantities. The basis of payment for work and materials will be the actual amount of work done and materials furnished. No compensation will be given for any quantities not used.

4.03 BASE BID ITEMS

4.03.1 MOBILIZATION AND DEMOBILIZATION - (BASE BID ITEM NO. 1)

- A. Measurement: Measurement for payment for mobilization and demobilization will be on a lump-sum basis as specified herein.
- B. Payment: Payment for mobilization and demobilization shall cover all preparatory work, obtaining all permits, insurance and bonds, movement of personnel, equipment, supplies and incidentals to the project site, the establishment of temporary offices, project signs and other construction facilities necessary for work on this project. It shall include removal of all personnel, equipment, supplies, and incidentals from the project site, removal of temporary offices and other construction facilities necessary for work on this project, all as required for the proper performance and completion of the work.

Payment will be made at the contract lump sum price, subject to the following provisions:

Partial payments for mobilization and demobilization will be made in accordance with the following schedule up to a maximum of 5 percent of the total contract amount (including this item), and payment of any remaining amount will be made upon completion of all work under the contract.

<u>Percent of Total Contract Amount Earned</u>	<u>Allowable Percent of the Lump Sum Price for the Item</u>
1 st Partial Estimate	25%
10%	50%
25%	75%
50%	100%

No price adjustments will be made for this item due to changes in the work.

4.03.2 PRE-CONSTRUCTION VIDEO AND PHOTOGRAPHS (BASE BID ITEM NO. 2)

- A. Measurement: Measurement for payment for Pre-construction Video and Photographs will be made on a lump sum basis.
- B. Payment: Payment for this item will be made at the lump-sum bid and will constitute full compensation for the site conditions survey as described in Section 01380 and the construction photographs and audio/video survey as described in Section 1380. Payment will be made at 100% of the bid amount on the first monthly estimate after this work is accomplished.

4.03.3 DRAINING AND CLEANING OF AERATION BASIN NO. 1 (BASE BID ITEM NO. 3)

- A. Measurement: Draining and cleaning of Aeration Basin No. 1 will be measured for payment as a lump sum.
- B. Payment: Draining and cleaning of Aeration Basin No. 1 shall be at the lump sum price bid and shall include all labor, materials, tools and equipment necessary to complete the work as shown on the drawings. This Work will include all equipment required for draining of the basin, removal of all accumulated grit, debris, vegetation and all other foreign materials within the basin and transporting all such materials removed to a sanitary landfill for disposal. Work will include all loading, unloading, transportation costs and disposal fees associated with the proper removal and disposal of the material.

4.03.4 LOW SPEED SURFACE AERATORS AT AERATION BASIN NO. 1 (BASE BID ITEM NO. 4)

- A. Measurement: Low speed surface aerators shall be measured for payment per each complete and in place.
- B. Payment: Low speed surface aerators shall be provided at the unit price bid and shall include all labor, materials, tools and equipment necessary to complete installation of the equipment as shown on the drawings. This Work will include removal of all four (4) existing Clow surface aerators at Aeration Basin No. 2 including the motors, gear drives, shafts and impellers and proper disposal of the equipment. Work will also include removal of the existing steel framing and baffle shrouds at each of the four existing aerator locations and dispose of the material in a suitable manner. Work will also include furnishing and installation of four (4) new low speed mechanical aerators consisting of a motor, gear, shafting, and impeller as shown on the drawings and required by the specifications including all necessary electrical wiring, conduits and controls to make a complete and functioning unit at each of the four (4) locations shown within the aeration basin.

4.03.5 CLEANING AND RESEALING OF CONCRETE JOINTS AT AERATION BASIN NO. 1 (BASE BID ITEM NO. 5)

- A. Measurement: Cleaning and resealing of all interior and exterior concrete joints at Aeration Basin No. 2 at Pascagoula/Moss Point WWTP will be measured for payment at a lump sum.
- B. Payment: Cleaning and resealing of all interior and exterior concrete joints of Aeration Basin No. 2 at Pascagoula/Moss Point WWTP shall be at the lump sum price bid and shall include all labor, materials, tools and equipment necessary to complete the work as shown on the drawings. This Work will be to remove the existing caulk and backing rod in each of the interior and exterior joints at Aeration Basin No. 2 and install new backing rod and

sealant to form complete and watertight joints as shown on the drawings.

4.03.6 AIR VALVE REPLACEMENT (BASE BID ITEM NO. 6)

- A. Measurement: Various valves will be replaced as shown on the drawings in the influent and effluent channels adjacent to Aeration Basin No. 1 and will be measured for payment at a lump sum for the totality of valves replaced.
- B. Payment: Replacement of existing valves shall be at the lump sum price bid and shall include all labor, materials, tools and equipment necessary to complete the work as shown on the drawings. This Work will be to remove the each valve shown on the drawings and to furnish and install new valve of the type and at the locations shown, complete and in place.

4.03.7 SLIDE GATE REPLACEMENT AERATION BASIN NO. 1 (BASE BID ITEM NO. 7)

- A. Measurement: The existing slide gate adjacent to Aeration Basin No. 1 in the influent channel and as shown on the drawings will be removed and replaced with a new slide gate and will be measured for payment at a lump sum.
- B. Payment: Removal of the existing slide gate and installation of a new slide gate shall be at the lump sum price bid and shall include all labor, materials, tools and equipment necessary to complete the work as shown on the drawings. This Work will also include any bypass pumping or construction of any necessary bulkheads as may be necessary to complete the work. Any such bypass pumping or construction necessary bulkheads will be included in the lump sum price bid for this item.

4.03.8 ADJUSTABLE WEIR REPLACEMENT AERATION BASIN NO. 1 (BASE BID ITEM NO. 8)

- A. Measurement: The existing adjustable weir and baffle plate support on the effluent side of Aeration Basin No. 1 will be removed and a new adjustable weir installed. This work will be measured for payment as a lump sum.
- B. Payment: Removal of the existing adjustable weir and baffle plate supports and the installation of a new adjustable weir on the effluent side of Aeration Basin No. 1 shall be at the lump sum price bid and shall include all labor, materials, tools, and equipment necessary to complete the work as shown on the drawing.

4.03.9 INSTALL PUMP RAILS, DISCHARGE ELBOW AND DISCHARGE PIPING FOR MOBILE DRAIN PUMP AT AERATION BASIN NO. 1 (BASE BID ITEM NO. 9)

- A. Measurement: New pump rails, discharge elbow and discharge piping for the existing mobile drain pump will be installed as shown on the plans in the southwest corner of

Aeration Basin No. 1. The work will be measured for payment as a lump sum.

- B. Payment: Installation of the new pump rails, discharge elbow and discharge piping for the existing mobile drain pump shall be at a lump sum price bid and shall include all labor and materials, tools, and equipment necessary to complete the work as shown in the drawings and specifications.

4.03.10 ELECTRICAL IMPROVEMENTS RELATED TO BASE BID ITEMS (BASE BID ITEM NO. 11 (BASE BID ITEM NO. 10)

- A. Measurement: All electrical work necessary for the installation of the base bid items shall be inclusive of this bid item and shall be measured for payment as a lump sum.

- B. Payment: Installation of all necessary electrical work including conduits, wires, controls and appurtenances shall be at a lump sum price bid and shall include all labor and materials, tools and equipment necessary to complete the work as shown in the drawings and specifications for completion of all base bid items.

4.04 ALTERNATE NO. 1 BID ITEMS

4.04.1 NEW MECHANICALLY CLEANED BAR SCREEN WITH SCREENINGS COMPACTOR AT PMP WWTP HEADWORKS (ALTERNATE NO 1 ITEM NO. A1.1)

- A. Measurement: Removal of the existing mechanically cleaned bar screen and screenings compactor and the installation of a new mechanically cleaned bar screen with screenings compactor at the Pascagoula/Moss Point WWTP headworks as shown on the drawings shall be measured for payment as a lump sum complete.

- B. Payment: Removal of the existing mechanically cleaned bar screen and screenings compactor and installation of a new mechanically cleaned bar screen with screenings compactor as shown on the drawings shall be paid at the lump sum price bid and shall include all labor, materials, tools and equipment necessary to complete work as shown on the drawings. This Work will include installation of a new control panel with cabinet enclosure for the mechanically cleaned screen and screenings compactor placement of a new enclosure around the mechanically cleaned bar screen that will be attached to the covering over the headworks

4.04.2 ELECTRICAL IMPROVEMENTS RELATED TO ALTERNATE NO. 1 BID ITEMS (BASE BID ITEM NO. 11 (ALTERNATE NO. 1 ITEM NO. A1.2)

- A. Measurement: All electrical work necessary for the installation of the Alternate No. 1 bid items shall be inclusive of this bid item and shall be measured for payment as a lump sum.

- B. Payment: Installation of all necessary electrical work including conduits, wires controls

and appurtenances shall be at a lump sum price bid and shall include all labor and materials, tools and equipment necessary to complete the work as shown in the drawings and specifications for completion of all Alternate No. 1 bid items.

4.05 ALTERNATE NO. 2 BID ITEMS

4.05.1 REPLACEMENT OF DRIVE UNITS ON SECONDARY CLARIFIERS NO. 1 AND NO. 2. (ALTERNATE NO. 2 ITEM NO. A2.1)

A. Measurement: The existing scraper drive units on the existing Secondary Clarifiers No. 1 and No. 2 will be removed and replaced with new unit and will be measured for payment at a lump sum.

B. Payment: Removal of the existing scraper drive units on Secondary Clarifiers No. 1 and No. 2 and installation of new scraper drive units shall be at the lump sum price bid and shall include all labor, materials, tools and equipment necessary to complete the work as shown on the drawings. Work will include all testing and startup to provide complete and functioning drive units as shown on the drawings. Work will also include the cleaning and painting of all metalwork indicated on the drawings for Clarifiers No. 1 and No. 2.

4.05.2 INSTALLATION OF NEW DISSOLVED OXYGEN METERING DEVICES IN AERATION BASINS NO.1, NO. 2 AND NO.3. (ALTERNATE NO. 2 ITEM NO. A2.2)

A. Measurement: Installation of new dissolved oxygen metering devices in Aeration Basins No. 1, No. 2 and No.3 will be measured for payment at a lump sum.

B. Payment: New dissolved oxygen metering devices will be installed at each of the three existing Aeration Basins No. 1, No. 2 and No. 3. The total number of devices and supporting equipment shall be as shown on the drawings. Bid shall include all devices, wiring, conduit, PLCs, connecting devices and all other appurtenances including labor, materials, tools and equipment necessary to provide for a complete system as shown on the drawings.

4.05.3 INSTALLATION OF NEW PUMP AT ESCATAWPA INFLUENT PUMP STATION (ALTERNATE NO. 2 ITEM NO. A2.3)

A. Measurement: A new dry pit submersible pump of the kind indicated on the drawings will be installed at the influent pump station of the Escatawpa WWTP and will be measured for payment at a lump sum.

B. Payment: Installation of a new dry pit submersible pump at the Escatawpa WWTP shall be at the lump sum price bid and shall include all labor, materials, tools and equipment necessary to complete the work as shown on the drawings. This Work will include all electrical work including wiring, conduit, control panels and all appurtenances necessary

to complete the installation of the new dry pit submersible pump as shown on the drawings.

4.05.4 ELECTRICAL IMPROVEMENTS RELATED TO ALTERNATE NO. 2 BID ITEMS
(ALTERNATE NO. 2 ITEM NO. A2.4)

- A. Measurement: All electrical work necessary for the installation of the Alternate No. 2 bid items shall be inclusive of this bid item and shall be measured for payment as a lump sum.

- B. Payment: Installation of all necessary electrical work including conduits, wires controls and appurtenances shall be at a lump sum price bid and shall include all labor and materials, tools and equipment necessary to complete the work as shown in the drawings and specifications for completion of all Alternate No. 2 bid items.

- END OF SECTION -

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- E.12 ELECTRICAL VFD CONTROL PANEL

GENERAL NOTES

1. CONTRACTOR SHALL HAVE THE COMPLETE AND SOLE RESPONSIBILITY FOR THE JOB SITE(S) INCLUDING THE SAFETY OF PERSONS AND PROPERTY. ANY INSPECTION BY THE ENGINEER IS TO DETERMINE COMPLIANCE WITH PLANS AND SPECIFICATIONS AND DOES NOT INCLUDE ANY REVIEW OF THE CONTRACTOR'S SAFETY MEASURES AND PROCEDURES.
2. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OR REPAIR OF ALL PRIVATE AND PUBLIC UTILITIES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY.
3. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE ENGINEER. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES VIA POTHOLING BEFORE COMMENCING THE FABRICATION OF MATERIALS OR ERECTION OF THE WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL FRANCHISE AND CITY UTILITIES PRIOR TO CONSTRUCTION.
4. COMPACTION OF BACKFILL IN PAVED AREAS SHALL BE 95% STANDARD PROCTOR DENSITY.
5. DIMENSIONS AND/OR ELEVATIONS MARKED (N.T.S.) ARE NOT SHOWN TO SCALE.
6. CONTRACTOR IS RESPONSIBLE FOR REPAIRING ALL DAMAGE TO EXISTING PAVEMENT, SIDEWALKS, STRUCTURES AND OTHER OWNER PROPERTY WHICH RESULTS FROM HIS CONSTRUCTION ACTIVITIES.
7. THE CONTRACTOR MUST VERIFY ELEVATIONS OF ALL EXISTING STRUCTURES RELATED TO THE DRAWINGS PRIOR TO BEGINNING WORK.
8. NOISE CONTROL - CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO AVOID UNNECESSARY NOISE APPROPRIATE FOR THE AMBIENT SOUND LEVELS IN THE AREA DURING WORKING HOURS. ALL CONSTRUCTION MACHINERY & VEHICLES SHALL BE EQUIPPED WITH PRACTICAL SOUND MUFFLING DEVICES, AND OPERATED IN A MANNER TO CAUSE NOISE LEVELS NOT TO EXCEED 75DB AT THE LIMITS OF CONSTRUCTION.
9. DUST CONTROL - ALL TEMPORARY HAUL ROADS AND BARE EARTHEN SURFACES WITHIN THE CONSTRUCTION LIMITS SHALL BE WATERED DOWN TO PREVENT DUST FROM DRIFTING INTO ADJACENT AREAS. THE CONTRACTOR SHALL AT ALL TIMES HAVE EQUIPMENT ON SITE TO WATER TEMPORARY HAUL ROADS AND BARE EARTHEN SURFACES. FAILURE TO CONTROL DUST WILL RESULT IN THE CONTRACTOR STOPPING RELATED OPERATIONS UNTIL A SUITABLE PLAN TO CONTROL DUST IS IMPLEMENTED.
10. CONTRACTOR SHALL LIMIT CONSTRUCTION ACCESS AS DIRECTED BY OWNER. PARKING SHALL BE AS DIRECTED BY OWNER.
11. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION AREA(S) SUCH AS NOT TO ALLOW TRASH OR DEBRIS TO ACCUMULATE.
12. VIBRATIONS CAUSED BY SHEET PILE DRIVING AND OTHER CONSTRUCTION OPERATIONS SHALL BE MONITORED WITH A SEISMOGRAPH PLACED BY CRITICAL STRUCTURES OR PAVEMENTS. SHOULD THE PEAK PARTICLE VELOCITY READ BY THE SEISMOGRAPH REACH 0.25 INCHES/SECOND, THE OPERATION CAUSING THE VIBRATION SHALL BE STOPPED AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED.
13. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF COFFERDAMS, SHORING, SHEETING AND BRACING REQUIRED FOR THIS PROJECT. THE DESIGN CALCULATIONS SHALL BE SIGNED AND SEALED BY A CIVIL ENGINEER REGISTERED TO PRACTICE IN THE STATE OF MISSISSIPPI AND SUBMITTED TO THE ENGINEER FOR REVIEW ALONG WITH THE SHOP DRAWINGS.

NOTES :

1. WORK TO BE PERFORMED UNDER THIS CONTRACT WILL BE ON SYSTEMS THAT MUST BE KEPT IN OPERATION AT ALL TIMES.
2. AERATION BASIN NO. 1 AT THE PMP WWTP CAN BE ISOLATED FROM THE INFLUENT AND EFFLUENT CHANNELS FOR REMOVAL OF GRIT FROM THE BASIN AND REPLACEMENT OF THE SURFACE AERATORS. BY-PASS PUMPING WILL BE REQUIRED FOR REPLACEMENT OF ALL EQUIPMENT LOCATED WITHIN THE INFLUENT AND EFFLUENT CHANNELS OF THE AERATION BASINS.
3. CONTRACTOR SHALL COORDINATE ALL OPERATIONS WITH PLANT STAFF TO COORDINATE ANY NECESSARY SHUTDOWNS OR BY-PASS OPERATIONS. CONTRACTOR SHALL PROVIDE OWNER WITH SEVEN (7) DAYS NOTICE PRIOR TO ANY PLANT SHUTDOWNS OR NECESSARY DIVERSIONS OF FLOW FROM VARIOUS PROCESSES WITHIN THE PLANT.
4. DRAINING OF TANKS OR REMOVING ANY PROCESS EQUIPMENT FROM SERVICE SHALL BE DONE UNDER THE SUPERVISION OF PLANT PERSONNEL. CONTRACTOR SHALL NOT PERFORM ANY ACTIONS WILL DISRUPT THE PLANT OR CAUSE THE DISCHARGE OF UNTREATED WASTEWATER FROM THE PLANT OUTFALL OR ANY OTHER DISCHARGES THAT MAY COMPROMISE THE CURRENT NPDES DISCHARGE PERMIT FOR THIS FACILITY AS ISSUED BY THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY. ANY POTENTIAL FINES RELATING TO ANY NON-PERMITTED DISCHARGES AS A RESULT OF ACTIVITIES BY THE CONTRACTOR SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY INCLUDING ALL DAMAGES.


Robert D. Bruders
 10/3/17

XREF:

DATE:

FILE NAME:

JACKSON COUNTY UTILITY AGENCY
 PASCAGOULA/MOSS POINT WWTP AND
 ESCATAWPA WWTP REPAIRS - YEAR 2
 DRAWING INDEX AND GENERAL NOTES

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DESIGNED	R.B.	CHECKED	A.C.M.
DETAILED	T.B.L.	CHECKED	A.C.M.
DATE	09/2017	SHEET	06

ADDENDUM NO. 3	BKJ
REVISION DESCRIPTION	BT
NO.	DATE