

ADDENDUM NO. 2
TO THE CONTRACT DOCUMENTS
for the construction of

Date: April 9, 2021
Project No.: D3226100

C.C. WILLIAMS WASTEWATER TREATMENT PLANT
DEWATERING AND OTHER IMPROVEMENTS PROJECT

MOBILE AREA WATER AND SEWER SYSTEM
MOBILE, ALABAMA

To All Planholders and/or Prospective Bidders:

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of Wright Smith, Jr. Wastewater Treatment Plant Headworks Replacement Project dated March 2021 as fully and completely as if the same were fully set forth therein:

A. PART 1 – MAWSS STANDARD SPECIFICATIONS

1. Proposal Page 5: The contract duration from start to Substantial completion is corrected from “548 consecutive calendar days” to “540 consecutive calendar days”.

B. PART 2 - TECHNICAL SPECIFICATIONS

1. Section 26 41 00 Paragraph 2.01.A - Add “6 - Bonded Lightning Protection Systems, Ltd.”
2. Section 26 24 19- Add subparagraph 1.03.A.17 as follows:
1.03.A.17– Active harmonic filters
3. Section 26 2419 - Add paragraph 2.03.M as noted below:

2.03.M Active Harmonic Filters - An active harmonic filter shall be provided to perform electronic cancellation of load produced harmonic currents such that the upstream power harmonic current and voltage shall be reduced below the IEEE 519 guidelines for load demand and voltage distortion limits. Filter shall be Square D® brand Accusine or equivalent. Performance of the filter shall be independent of the impedance of the power source, AC lines or back-up generator. The active harmonic filter shall not have any adverse impact on the operation of the 1000KW diesel generator by creating a leading power factor. The active harmonic filter shall include a 60A feeder breaker to isolate the equipment as required for maintenance. Necessary current transducers, reactors, and operator interfaces shall be supplied with the motor control center. Two (2) separate CTs shall be provided with each active filter on 20MCC-1.

One set of CTs from each active harmonic filter shall be connected to the load-side of the corresponding Bus main breaker while the other set of CTs shall be connected to the corresponding side of the Bus tie breaker. A factory certified start-up technician shall be used to start up each harmonic filter to achieve optimum system performance.

C. **PART 3 DRAWINGS**

1. Drawings 20-E-2001 and 20-E-4001 - A minimum distance of 4 feet shall be maintained between 20MCC-1 and 20LVSG-1.
2. Drawing 20-E-6002:
 - A) ADD a 60A Active Harmonic Filter on Bus A of motor control center 20MCC-1 between the SPD and 60A breaker for Digested Sludge Pump 1. The 60A Active Harmonic filter shall include a 60A feeder breaker. Additionally, the 60A active harmonic filter shall also include CTs on the load-side of the Bus A main breaker and on the Bus A side of the tie breaker that are connected to the corresponding 60A active harmonic filter.
 - B) ADD a 60A Active Harmonic Filter on Bus C of the motor control center 20MCC-1 between the SPD and 60A breaker for Digested Sludge Pump 2. The 60A Active Harmonic filter shall include a 60A feeder breaker. Additionally, the 60A active harmonic filter shall also include CTs on the load-side of the Bus C main breaker and on the Bus C side of the tie breaker that are connected to the corresponding 60A active harmonic filter.
3. Drawing 20-E-6004:
 - A) ADD a 20-inch wide vertical section between the current sections 1 and 2 of 20MCC-1 to locate the Bus A 60A Active Harmonic Filter and the associated 60 A feeder breaker. The total length of the motor control center 20MCC-1 shall be based on the needs of the specific motor control center manufacturer.
 - B) ADD a 20-inch wide vertical section between the current sections 8 and 9 of 20MCC-1 to locate the Bus C 60A Active Harmonic Filter and the associated 60 A feeder breaker. The total length of the motor control center 20MCC-1 shall be based on the needs of the specific motor control center manufacturer.

4. Drawings 20-E-2001, 20-E-4001 and 20-S-2002 (and others) - A minimum distance of 4 feet shall be maintained between 20MCC-1 and 20LVSG-1 after accommodation of the length as revised above.
5. Drawing 95-E-5003 - Add detail 2605-420 as indicated in Addendum 1 but omitted from the distribution. See attachment for this detail.

D. PART 4 – PRE-BID CONFERENCE

1. The annotated Agenda from the Pre-Bid Conference is herewith attached for information. This agenda does not alter the contract documents but only consolidates information already found in the contract documents or included in this addendum.
2. The sign -in sheet from the Pre-Bid Conference is herewith attached for information. As the Pre-Bid Conference was advertised as being Mandatory, Proposals will only be accepted from the Registered Document Holders who are reflected on the sign-in sheet as being present at the conference

E PART 5 QUESTIONS AND RESPONSES (Q and R):

1. Q: In the evaluation of the Diverse Supplier participation percentage 15% goal, how are the alternat Additive items considered both with the bid evaluation and after the award of the bid?

R: Attainment of the SDP participation percentage goal of 15% will be evaluated with all additive alternates included.
2. Q: The geotechnical report discusses a 6' preload and a pile foundation whereas the design drawings indicate a deeper preload and no piles. Which governs?

R: The currently available Geotech reports were in consideration of a previous design geometry. a supplemental Geotech report is expected to be issued. However, the design drawings and specs supersede the Goetech reports where they are in conflict.
3. Q: Section 31 15 00 indicates a minimum timeline for the preload to be in place. If the required duration exceeds four weeks, will a contract time extension be granted?

R: If the preload activities are shown to be critical path to the progress of the project, a time extension will be granted as per the contract documents for extensions for causes outside the contractor's control.

Smith Wastewater Treatment Plant - Headworks Replacement

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 2 in the Bid Form AND by submitting the Addendum with the bid package. Bid Forms submitted without acknowledgment or without this Addendum will be considered in nonconformance.

Jacobs

David A. Carr

Project Manager

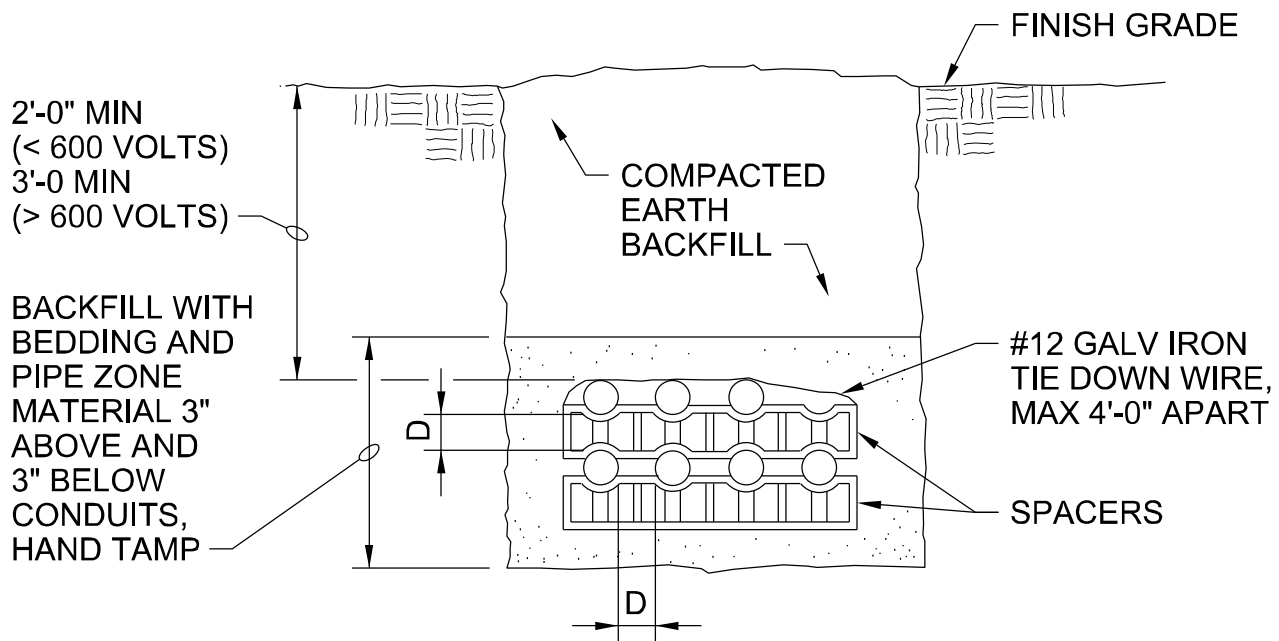
Appended hereto and part of Addendum No. 2:

Detail 2605-420

D3226100_Williams_Dewatering_Prebid_Sign-in_Sheet

D3226100_Williams_Dewatering_Prebid Conference agenda - annotated

END OF ADDENDUM



D = 3"MIN FOR 2"-6" CONDUIT

D = 2"MIN FOR <2 INCH CONDUIT

NOTE:

1. INSTALLATION OF DIRECT BURIAL DUCT BANKS WHICH INCLUDE THREE OR MORE CONDUITS OR DUCTS SHALL BE MADE IN ACCORDANCE WITH THIS DETAIL.
2. WHERE DUCTBANKS ARE SHOWN TO CROSS A ROAD, THE DUCTBANK SHALL BE CONCRETE ENCASED WITHIN 5 FEET OF THE ROAD.

UNDERGROUND CONDUIT IN NON-PAVED AREAS

NTS

C.C. WILLIAMS WWTP
MOBILE AREA WATER & SEWER SYSTEM (MAWSS)
MOBILE, ALABAMA

2605-420

JACOBS



C. C. Williams WWTP Dewatering and Other Improvements Project

Mobile Area Water and Sewer System

Mobile, AL

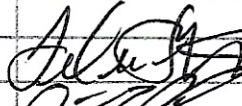
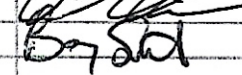

JACOBS Project No. D3226100

April 7, 2021 at 1:00 PM



Mandatory Pre-Bid Conference Attendee Sign-In

Organization/Company (Please Print)	Contact Name (Please Print)	Email Address (Please Print)	Signature
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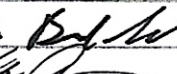
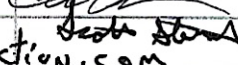
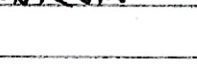
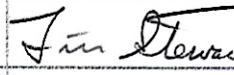
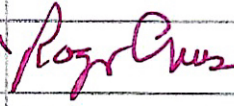
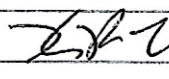
Owner

MAWSS	Daryl Russell	DRussell@MAWSS.com	
MAWSS	Felecia Thomas	FTHOMAS@MAWSS.COM	
MAWSS	David Tillman	dtillman@mawss.com	
MAWSS	Barry Smith	BASMITH@mawss.com	
MAWSS	Kenny Eickelberg	kweickelberg@mawss.com	

Engineer

Jacobs	David Carr	David.carr10@jacobs.com	
Jacobs	Kevin Waddell	Kevin.Waddell@jacobs.com	

Registered Document Holders (as of 4/6/21)

Adams Robinson Construction	Brad Adams	ARCO@ADAMSROBINSON.COM	
G.A. West & Co.	Chad Carlson	Chad.Carlson@gawest.com	
Haren Construction Company	Scott Stewart	cosborne@harenconstruction.com	
Kiewit Infrastructure South Co.			
Max Foote Construction Company, LLC	Tim Stewart		
Morris Builders LLC			
MW Rogers Construction Company, LLC			
Paramount Construction Group			
Rob't J. Baggett	Roger Cruise	Roger@RJBaggett.com	
Slaughter Construction Company			
The Creel Company	Kevin Creel	kpc@thecreelcompany.com	

Prebid Conference – Annotated

PREPARED BY: MAWSS/Jacobs
PROJECT: C. C. Williams WWTP Dewatering and Other Improvements Project
MEETING DATE: April 7, 2021
MEETING TIME: 1:00 p.m.
LOCATION: MAWSS Board Room

Agenda Items

Attendee Sign-In and Overview of Agenda

Attendance is Mandatory for all Bidders.

Introductions

MAWSS

- Daryl Russell – Water and Sewer Engineering Manager
- Felicia Thomas – Supplier Diversity Manager
- David Tillman – WWTP Chief Treatment Plant Operator
- Barry Smith – C. C. Williams WWTP Plant Manager

Jacobs

- David Carr – Project Manager
- Kevin Waddell – Project Process Engineer

Overview of Project

- Purpose of Project – Replace existing dewatering facilities with alternate for replacement of chlorination/dichlorination facilities
- SRF Loan – Must adhere to ADEM Supplementary Conditions throughout project
- Engineer's Estimate – Base Bid \$19M to \$24M
- Major Components (See Spec Section 01 11 00 for complete listing)
 - Demolish the Operations Building and the decommissioned Primary Clarifier structure.
 - Construct a new Dewatering/Operations Building
 - Upgrade existing Williams WWTP SCADA system hardware and software, install fiber optic ring, replace/upgrade HMI software and graphics, and a new server room within the Dewatering Building.
 - Provide additional security access control, security lighting, and a replacement video security system.
 - Conduct miscellaneous site/civil improvements to provide access to new facilities
 - Bid Additive Alternates (per Spec 01 11 00):
 - Construct replacement chlorine and sulfur dioxide feed/storage building to include a chlorine feed room, an independent chlorine storage room, a sulfur dioxide feed room, and a sulfur dioxide storage room all connected to the existing gas scrubber system

- Demolish the Chlorine Building and Sulfur Dioxide (SO₂) Building
- Demolish the Dewatering Building
- Refinish the exteriors of the primary and secondary sludge digestion tanks and attached pump rooms
- Modify the parking area north of the Administration building
- Replace the northern site perimeter fence with an ornamental fence
- Construct a new entrance sign
- Replace RTU-4 (DCU-4) PLC
- Additional asphalt overlay within the facility
- Additional asphalt replacement within the facility

Construction Details

- Existing Facilities Overview – 28MGD facility must be kept in service. Scope of work does not interfere with primary flow path.
- Existing facilities must remain operational (bypass of major plant flows should not be necessary)
- Documents Included in Distribution
 - Contract Specifications (Document Volumes 1 through 3)
 - Contract Drawings (Document Volume 4), (316 sheets)
 - Model Bid Package (to be printed in color)
 - Geotech Reports (three files)
 - Selected WWTP As-Builts (in nineteen parts)
 - Addendum 1

Supplier Diversity Policy Objectives

- Felicia Thomas – Supplier Diversity Manager
(Goal is 15% for a Diverse Subcontractor or Supplier. If you have a Subcontractor or Supplier that is not listed under the MAWSS Supplier Diversity Listing, contact Felicia for verification and listing at ftthomas@mawss.com or 251-694-3194. If goal is not met, Contractor must show good faith effort per specs. All requests for listings must be submitted by close of business on April 16, 2021)

Bidders are encouraged to look for a small diverse vendor or supplier that can assist in the project. MAWSS has a list on their web site of identified diverse suppliers or subcontractors.

Details of Bid Submittal

- Bid will be accepted only from Bidders on the Jacobs Bidders List and who attended this Pre-Bid Conference. Electronic Bid documents may be obtained from Kara St. Myer (Kara.StMyer@jacobs.com) as per the invitation to Bid
- MAWSS will receive bid submissions at the Park Forest location as advertised. Bids sent by mail or by Fed Ex must arrive prior to 12:00 pm on day of bid opening. Bids not arriving before the indicated time will not be considered.
- Bid Submission Date and Time – May 3, 2021 @ 12:00 p.m.
- Opened at regularly scheduled Board meeting. However, Board meetings have not been changed back to public forums. Therefore, in-person attendance at the bid opening will not be possible. Livestream video may be accessed through the MAWSS.com web site.
- Include in the Bid Package all items as required by the contract documents. Proposal package must be printed in color with tabs added as per model package.
- Documents must be printed on the colored paper and accompanied by the tabs on colored paper as per the Information to Bidders and in conformance with the model bid package as issued with the bid documents.
- Subcontracting Plan must be completed and executed for the bid to be considered as responsive. Subcontracting plan MUST include all Subcontractors and Suppliers regardless of their DBE standing

- SSO and Unpermitted Discharge Prevention Notification must be completed and executed for the bid to be considered as responsive.
- Addendums included with the bid may be limited to the addendum form and may exclude attachments to the addendum. C. C. Williams WWTP Dewatering and Other Improvements
- Bid Bond may be in the form of a Certified Check, Bond, or Irrevocable Letter of Credit acceptable to MAWSS- 5% of Bid not to exceed \$10,000.
- "Other" tab must be followed by the following:
 - Applicable licenses
 - DBE supporting documentation (including indication of Good Faith Efforts for DC/S utilization)
- Sealed bids shall be clearly labeled "**Bid for Constructing Project No. D3226100 - C. C. Williams WWTP Dewatering and Other Improvements Project, to be opened at 12:30 p.m., Local Time May 3, 2021,**" with bidder's name and Alabama State Contractor's license number and discipline.
- If mailed, place sealed bid package in another envelope
- Basis of Award - Lowest responsive, responsible bidder for lump sum price including any combination of Additive Alternatives, as selected by MAWSS.

Estimated Project Schedule

- Notice of Award (Tentative) – late May 2021 to early June 2021
- Contractor to sign contract and furnish Performance and Payment Bonds within 15 days of notice
- Notice to Proceed/Preconstruction Conference –late June to Late July 2021
- Project Substantial Completion in 540 calendar days (Typo in Proposal of 548 rather than 540 will be corrected by addendum) (approximately December 2022)
- Project Final Completion in calendar 570 Days (approximately January 2023)

General Specification and Drawing Notes

- Note per Section 10.24 that MAWSS is exempt from sales tax and Contractor shall adhere to the contract provisions to preclude payment of sales tax.
- Note in the Special Conditions Section 8 the added language regarding normal working hours and limitations to and conditions for working outside of normal hours.
- Note in the Special Conditions Section 10 that substitution requests must be received 14 days prior to the opening of bids. There will not be any substitutions for the named manufacturers of the belt filter presses, chlorination equipment, dichlorination equipment, digested sludge pumps, or hose pumps.
- Note ADEM SRF Special Conditions with Wage Rates Determinations. Where the two wage rate determinations overlap, the Contractor is required to pay at least the lower of the two wage rates.
- A Land Disturbance permit application has been submitted to the City of Mobile. All submittals will be made prior to bid date to the extent possible lacking an identified Contractor. Contractor's responsibilities include the completion of these applications.
- Note construction observation by the Engineer is periodic averaging 34 hours per week over the duration of the contract. Contractor shall coordinate with Engineer for the observation of the work prior to each utility tie in, each concrete pour, and each major work activity commencement and routinely for the duration of the contract to allow Engineer the opportunity to observe the work. Any work indicated by Engineer to be observed by the Engineer shall not be concealed or covered without the Engineer having two week-days' notice of the Contractor's intent to do so.
- Note per Drawings Sheet 01-G-008 Owner will supply specialty inspections and testing on a periodic as-needed basis except for the components designed by a Delegated Engineer. Contractor shall coordinate with Engineer or Engineer's designee for each type and instance of testing needed throughout the work. Owner may charge Contractor for testing and inspections when conditions as indicated under specification section 01 45 16.13 Par

1.04.E occur. Special Inspections by Delegated Engineers as per Special Inspection Note 2 of 01-G-008 shall be coordinated by the Contractor with the Delegated Engineer.

- Per Specification Section 01 50 00, separate Contractor's and Engineer's Field Offices must be provided.
- Per Specification Section 01 50 00 Contractor shall provide accommodations for the Owner's Temporary Control Room along with the relocation of components as specified to relocate the control functions into the temporary control room. This room is within the existing Maintenance building as indicated I the Drawings.

Addenda & Inquiries

- Addendums 1 – Already issued
- Email or send any questions to Kara St. Myer (Kara.StMyer@jacobs.com) by 4:00p.m. CDT on April 16, 2021 per the Invitation to Bid
- Addendum 2 will be issued to current plan holders to incorporate changes arising from this meeting and responses to questions raised at this meeting and up through April 8,2021.
- The following items will be included in Addendum 2:
 - Bonded Lightning Protection Systems, Ltd. Will be named as an acceptable manufacturer for Section 26 41 00
 - The contract time to Substantial Completion as indicated in the Proposal will be changed to 540 days from 548. Total contract time remains at 570 days.

General Discussion and Questions

The C C Williams WWTP must be kept fully operational at all times. The Contractor is required to develop and have approved a Sequence of Construction (SOC) which will assure the satisfaction of this requirement. The SOC as included in the drawing 01-G-0005B shall be the basis of the Contractor's SOC with any departures specifically indicated for consideration.

Site Access for Review

The project site will be open for review today following this conference until 3:30 p.m.

The project site is available for review by appointment by interested parties through April 16, 2021. A site visit is not mandatory. The site will not be attended by anyone authorized to respond to inquiries on the site. Contact Barry Smith at BASMITH@mawss.com to schedule a site visit. Site visit limitations are as indicated in the Information for Bidders.

Questions

Questions will be accepted at this meeting. Where the response is readily available it will be made at the meeting. If it has a bearing on the contract cost or schedule, that response will be repeated in an upcoming addendum.

NOTE: Q & A where they depart from the contract conditions are included in Addendum 2.