ADDENDUM NO. 1

ISSUE DATE: October 23, 2023

For

DAWSON FOREST WRF PHASE I UPGRADE & EXP. TO 1.25 MGD ETOWAH WATER & SEWER AUTHORITY DAWSONVILLE, GEORGIA



Bids to be received until 2:00 p.m., local time, November 2, 2023

The Bids will be publicly opened at 2:10 p.m., local time, on said date in the Etowah Water & Sewer Authority Administration Office, Don D. Gordon Conference Room, 1162 Highway 53 East, Dawsonville, Georgia 30534.

Receipt of this addendum, and all other addenda, should be acknowledged as part of your bid document. Failure to acknowledge receipt of the addenda may result in rejection of the bid. This addendum forms a part of the Contract Documents.

Please note the following <u>CHANGES</u> to the above referenced Specification Documents as follows:

SPECIFICATIONS

1. SECTION 00 11 16 INVITATION TO BID, Page 1, Paragraphs entitled <u>SEPARATE SEALED</u> <u>BIDS</u>: CHANGE to read:

SEPARATE SEALED BIDS for furnishing all materials and providing all labor, tools, and equipment will be received by the Owner at the Etowah Water & Sewer Authority Administration Office, 1162 Highway 53 East, Dawsonville, Georgia 30534, until 2:00 p.m., local time, on Thursday, November 2, 2023.

The project is to be funded with Georgia Environmental Finance Authority (GEFA) Program funds. The selected contractor must comply with GEFA requirements in the Contract Documents including but not limited to adherence to the Davis-Bacon Act, American Iron and Steel Special Conditions and the DBE requirements.

The Bidder shall provide on the outside of a sealed envelope the Bidder's name and utility contractor license number. Any bid submitted which does not contain the above information will not be opened and will be returned to the bidder. The Bids will be publicly opened and read aloud at 2:10 p.m., local time, on said date in the Etowah Water & Sewer Authority Administrative Office Don D. Gordon Conference Room, 1162 Highway 53 East, Dawsonville, Georgia 30534. It is the responsibility of the person/firm submitting a Bid to ensure that it is received at the physical address of the Authority prior

to the stated deadline. A date/time stamp located at the customer service reception window, at the Administrative Office of the Authority will determine the time of receipt. There is a button on the left side of the front door to buzz into the lobby of the Administrative Office. Bids received after the deadline will not be considered under any circumstances and will be returned unopened after the Bid is made. Unsealed Bids, including facsimile Bids, will not be considered.

2. SECTION 00 21 13 INSTRUCTIONS TO BIDDERS, Paragraph entitled "OWNER FURNISHED EQUIPMENT", Page 5: INSERT the following paragraph:

If the Owner Furnished Equipment requires warranty work that was caused by actions of the Contractor, then the Contractor shall coordinate and complete all required warranty work at no additional costs to the Owner. Otherwise, the Contractor shall submit change order pricing to the Owner for approval to assist with performing any warranty work associated with the Owner Furnished Equipment not provided by the equipment vendors (e.g., installation of replacement equipment parts).

3. SECTION 00 41 13 BID FORM: DELETE and REPLACE with the updated BID FORM (ADDENDUM NO.1) attached to this addendum.

4. SECTION 00 52 43 CONTRACT AGREEMENT, Page 1: CHANGE the contract time to "<u>540</u> <u>consecutive calendar days</u>".

5. SECTION 00 73 00 SUPPLEMENTAL CONDTIONS, Page 1: ADD the following paragraph:

1.3 GEFA SRF FUNDING

A. This project will be partially financed using GEFA SRF funds. The Contractor shall be responsible for complying with the SRF Supplemental General Conditions and the American Iron and Steel Special Conditions contained in Attachments L & M. The Contractor shall also be required to pay at least the applicable minimum Davis-Bacon wage rates as contained in Attachment N and attached hereto. For this project, the Owner qualifies for a waiver from the Build America, Buy America (BABA) requirements (i.e., the Contractor will not have to comply with the BABA requirements).

6. SECTION 01 21 13 CASH ALLOWANCES, Paragraph 1.1, D, Page 2: INSERT the following:

5. NDPES Monitoring: Allow the amount specified in the Bid for the services of an independent, qualified specialty subcontractor to monitor water quality during construction, as required by the State or other regulatory agencies having jurisdiction over the Work.

7. SECTION 01 31 00 PROJECT MANAGEMENT AND COORDINATION, Paragraph 1.2, N., Page 3: INSERT the following at the end of the paragraph:

The Owner has existing "construction trailer type" office space available on-site for use by the Contractor during construction. This space has two offices available (each approximately 12 feet x 12 feet) and an open area which can be used for project meetings, etc. This space is conditioned and has a restroom and has fiber available for internet access. The Owner will make this space available (including use of existing utilities and fiber) to the Contractor during construction at no cost if the Contractor wishes to utilize the space. If utilized, the Contractor shall maintain and keep the space clean.

- 8. SECTION 01 70 00 EXECUTION AND CLOSEOUT REQUIREMENTS, Paragraph 1.12, Page 6: DELETE this paragraph.
- 9. SECTION 07 11 00 DAMPPROOFING, Paragraph 2.1, A., Page 2: ADD the following acceptable manufacturer:

Henry HE789 - FIB ASPHALT EMULSION DAMPPROOFING

10. SECTION 07 13 26 WATERPROOFING, Paragraph 2.1, A., Page 2: ADD the following acceptable manufacturer:

Henry HE789 - FIB ASPHALT EMULSION DAMPPROOFING

- 11. SECTION 08 33 23 OVERHEAD COILING DOOR: INSERT the specification attached to this addendum.
- 12. SECTION 09 97 24 SPECIAL CONCRETE COATINGS: DELETE this section of the specifications.
- 13. SECTION 33 31 00 SANITARY SEWER PIPNG, Paragraph 2.1, B., 2., Page 4: CHANGE to read as follows:
 - 2. Pipe shall be centrifugal cast and shall conform to ANSI Specification A21.51 (AWWA C151) as amended to date, with mechanical or push on joints, furnished in normal laying lengths of 18 or 20 feet, and shall be Pressure Class 250 unless otherwise specified or shown on the drawings.
- 14. SECTION 33 31 00 SANITARY SEWER PIPNG, Paragraph 2.1, C., Page 6: CHANGE this paragraph to read as follows:
 - C. Lining: Ductile iron pipe and fittings shall be lined as specified below:
 - 1. Pipe and fittings shall be cement-lined (standard thickness), with a bituminous seal coat: AWWA C104, standard thickness.
- 15. SECTION 43 41 43 POLYETHYLENE TANKS: DELETE this section of the specifications.

DRAWINGS

- 1. Drawing C.01 REPLACE with the attached revised drawing C.01 dated 10/23/23.
- 2. Drawing C.04 REPLACE with the attached revised drawing C.04 dated 10/23/23.
- 3. Drawing C.06 REPLACE with the attached revised drawing C.06 dated 10/23/23.
- 4. Drawing C.07 ADD the following note to the drawing:

"<u>NOTE</u> – REUSE WATER (A.K.A., NON-POTABLE WATER) PIPING SYSTEM DOESN'T REQUIRE INSTALLATION OF BACKFLOW PREVENTORS AND APPURTENANCES."

5. Drawing C.07 – CHANGE the proposed 20" pipeline from the Effluent Parshall Flume & Cascade Structure to Irrigation Storage Pond A from PVC to DIP.

- 6. Drawing C.08 REPLACE with the attached revised drawing C.08 dated 10/23/23.
- 7. Drawing C.12 REPLACE with the attached revised drawing C.12 dated 10/23/23.
- 8. Drawing C.14 REPLACE with the attached revised drawing C.14 dated 10/23/23.
- 9. Drawing C.21 INSERT the following attached Etowah Water & Sewer Authority standard details to the drawing:
 - A. WATER MAIN TERMINATION (STANDARD NO. 717)
 - B. YARD HYDRANT & BACKFLOW PREVENTOR (STANDARD NO. 736)
- 10. Drawing ESC.01 REPLACE with the attached revised drawing ESC.01 dated 10/23/23.
- 11. Drawing ESC.02 REPLACE with the attached revised drawing ESC.02 dated 10/23/23.
- 12. Drawing ESC.03 REPLACE with the attached revised drawing ESC.03 dated 10/23/23.
- 13. Drawing M.1.1 ADD the following note to the drawing: "DUMPSTER COVER STRUCTURE (NOT IN THIS CONTRACT)".
- 14. Drawing M.2.1 REPLACE with the attached revised drawing M.2.1 dated 10/23/23.
- 15. Drawing M.3.1 REPLACE with the attached revised drawing M.3.1 dated 10/23/23.
- 16. Drawing M.6.1 REPLACE with the attached revised drawing M.6.1 dated 10/23/23.
- 17. Drawing M.6.2, SECTION B Change to the 12" MJ Butterfly Valve and to a 12" MJ Gate Valve and appurtenances.
- 18. Drawing M.6.3 REPLACE with the attached revised drawing M.6.3 dated 10/23/23.
- 19. Drawing M.6.4 REPLACE with the attached revised drawing M.6.4 dated 10/23/23.
- 20. Drawing M.99.1 REPLACE with the attached revised drawing M.99.1 dated 10/23/23.
- 21. Drawing S.00.2 TYP. UNDERCUTTING DETAIL: REPLACE Note 4 with the following:

"4. AT THE LOCATIONS DETAILED ON THE DRAWINGS, ALL WORK SHOWN IN THE DETAIL ABOVE AND NOTED SHALL BE INCLUDED IN THE CONTRACTOR'S LUMP SUM BID. BEFORE THE PLACEMENT OF THE GEOFABRIC, THE COMPACTED EXPOSED UNDISTURBED EARTH OR COMPACTED FILL SHALL BE EVALUATED BY SOUTHERN GEOTECHNICAL CONSULTANTS (SGC) USING THE SOILS AND CONCRETE TESTING CASH ALLOWANCE. ANY MATERIAL JUDGED TO BE UNSUITABLE SHALL BE REMOVED AND REPLACED WITH CRUSHED STONE FILL. REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL WITH CRUSHED STONE STABILIZATION SHALL BE PAID FOR USING EXTRA WORK QUANTITIES (SEE BID FORM)."

<u>CLARIFICATIONS</u> - See attached BID PHASE QUESTIONS dated 10/23/23.

END OF SECTION

DOCUMENT 00 41 13

BID FORM

TO: ETOWAH WATER & SEWER AUTHORITY

FROM:

Bidder's Name

FOR: DAWSON FOREST WRF PHASE I UPGRADE & EXP. TO 1.25 MGD

Submitted: _____, 2023

I. BID FORM AND BID SCHEDULE

- A. The undersigned, as Bidder, hereby declares that the only person or persons interested in the Bid as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Bid Form or in the Contract to be entered into; that this Bid Form is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud.
- B. The undersigned Bidder, in compliance with your Invitation to Bid for the construction of this Project, having examined the Contract Documents and the site of proposed Work, and being familiar with all of the conditions surrounding the construction of the proposed Project, including the availability of materials and labor, hereby proposes to construct the Project in accordance with the Contract Documents.
- C. The Bidder proposes and agrees, if this Bid is accepted, to contract with the Etowah Water & Sewer Authority in the form of Contract Agreement specified, to furnish all necessary products, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of the Work in full and complete accordance with the reasonably intended requirements of the Contract Documents to the full and entire satisfaction of the Etowah Water & Sewer Authority with a definite understanding that no money will be allowed for extra work except as set forth in the Contract Documents, for the following prices:

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Addendum # 1 - BID FORM

<u>Section I</u> - <u>Construction of the Dawson Forest WRF Phase I Upgrade & Expansion to 1.25 MGD:</u> For furnishing all materials and equipment, except for items listed in Sections II, III, IV, and V, and performing all labor necessary for construction of all work and appurtenances necessary for completion of work under this contract as shown on the Drawings and/or specified.

The Owner will pre-purchase several items of major equipment and appurtenances as detailed on the drawings and herein in Attachments B - K. The equipment, appurtenances, and services contained in Attachments B - K are to be provided by the individual equipment companies and these costs are not to be included in the Bid. The Contractor shall provide all additional equipment, appurtenances, labor, etc. required to install the major equipment and appurtenances as complete working systems. The Contractor shall include these costs in his lump sum bid for Construction of the Dawson Forest WRF Phase I Upgrade & Expansion to 1.25 MGD.

Sub-total, Section I, the lump sum amount of:

DOLLARS (\$

<u>Section II</u> – <u>Rock Excavation</u>: This section is for Rock Excavation as specified (see Sections 31 00 00 – Earthwork and 31 23 16 – Trench Excavation and Fill).

ltem No	Approx. Quantity	Unit	Description	U	Init Price	Total Price	
1.	1,000	C.Y.	Mass Rock	\$	50.00	\$ 50,000.00	
2.	200	C.Y.	Trench Rock	\$	65.00	\$ 13,000.00	

Sub-Total, Section II, Items 1 through 2, the amount of: <u>SIXTY THREE THOUSAND DOLLARS</u>

<u>(\$63,000.00)</u>

Section III – **Erosion Control:** For furnishing all materials and equipment under this section and performing all labor necessary for construction, and all other work and appurtenances necessary for completion of work under this contract as shown on the Drawings and/or specified for the following prices:

Item	Approx.				
No	Quantity	Unit	Description	Unit Price	Total Price
1.	4500	LF	Silt Fence (Sd1-S)	\$	\$
2.	4000	LF	Mulch Filter Berm (Sd1-M)	\$	\$
3.	4.5	Acres	Temporary Grassing (Ds2)	\$	\$
4.	4.5	Acres	Permanent Grassing (Ds3)	\$	\$
5.	10	Ea.	Pumped Silt Control Bag	\$	\$
6.	1	Ea.	Concrete Washdown	\$	\$
7.	1	Ea.	Construction Exit (Co)	\$	\$

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8.	2	Ea.	Inlet Sediment Trap (Sd2)	\$	\$
9.	100	Tons	Riprap (Rp)	\$	\$
10.	4.5	Acres	Dust Control (Co)	\$	\$
11.	2	Ea.	Temp. Stream Crossing (Sr)	\$	\$
12.	50	S.Y.	Erosion Control Matting (Mb)	\$	\$
13.	1	Ea.	Project Sign	\$	\$
		-			

Sub-Total, Section III, Items 1 through 7, the amount of:

DOLLARS (\$
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<u>Section IV</u> – <u>Cash Allowances</u>: This section is for Cash Allowances as detailed on the drawings and as specified (see Section 01 21 13 – Cash Allowances).

Item No.	Description	Base Bid Price
1.	Soils and Concrete Testing: to cover Owner verification of the soil conditions and poured in place concrete.	\$35,000.00
2.	<u>Construction Surveying</u> : to cover Owner verification of the Contractor's reference points, centerlines, and work performed.	\$2,500.00
3.	Blasting Monitoring : to cover blast monitoring and other blasting related operations of an Owner selected subcontractor.	\$5,000.00
4.	<u>NPDES Monitoring</u> : to cover services for independent monitoring of water quality of an Owner selected subcontractor.	\$10,000.00
5.	SCADA & Instrumentation by Zile Technology: for the work and services detailed on the drawings to be provided by Zile Technology.	\$210,000.00

Sub-Total, Section IV, Items 1 through 5, the amount of: <u>TWO HUNDRED SIXTY-TWO THOUSAND</u> <u>FIVE HUNDRED DOLLARS (\$262,500.00)</u>

<u>Section V:</u> - <u>EXTRA WORK, IF ORDERED BY ENGINEER</u>: (To cover authorized changes in scope of lump sum work in Section I.)

SECTION 00 41 13

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Addendum # 1 - BID FORM

ETOWAH WATER & SEWER AUTHORITY

ltem No	Approx. Quantity	Unit	Description	Unit Price	Total Price	
1.	_1,000_	СҮ	Crushed Stone Stabilization (Including Excavation and Disposal of Unsuitable Material)	\$ 35.00	\$ 35,000.00	
2.	_1,000_	SY	<u>Geotextile Fabric</u> (Mirafi 500X for Stabilization)	\$ 2.00	\$ 2,000.00	

Sub-Total, Section V, Items 1 and 2, the total amount of: <u>THIRTY SEVEN THOUSAND DOLLARS</u> (\$ 37,000.00)

TOTAL BASE BID, SECTIONS I, II, III, IV, AND V inclusive, the amount of:

DOLLARS (\$

II. TERMS OF BID

- A. The Bidder further proposes and agrees hereby to commence work under this contract, with adequate force and equipment, on a date to be specified (Notice to Proceed) in a written order of the Engineer and shall fully complete all work hereunder within 450 calendar days from the Notice to Proceed date.
- B. Bidder further agrees to pay as liquidated damages, the sum of \$500.00 for each consecutive calendar day thereafter required to complete all work as heretofore provided in the Instructions to Bidders.
- C. The Bidder declares an understanding that the quantities shown for unit price items are subject to either increase or decrease, and that should the quantities of any of the items of Work be increased, the Bidder proposes to do the additional Work at the unit prices stated herein; and should the quantities be decreased, the Bidder also under that payment will be made on the basis of actual quantities at the unit price bid and will make no claim for additional costs or anticipated profits for any decrease in quantities; and that actual quantities will be determined upon completion of Work, at which time adjustment will be made to the Contract amount by direct increase or decrease.
- D. In case of discrepancies between the figures shown in the unit prices and the totals, the unit prices shall apply and the totals shall be corrected to agree with the unit prices. In case of discrepancies between written amounts and figures, written amounts shall take precedence over figures and the sum of all Bid extensions (of unit prices) plus lump sum items shall take precedence over Subtotals and TOTAL BASE BID.
- E. The Bidder furthermore agrees that, in the case of a failure to execute the Contract Agreement and Bonds within ten days after receipt of conformed Contract Documents for execution, the attached Bid Bond accompanying this Bid and the monies payable thereon shall be paid into the funds of the Owner as liquidated damages for such failure.

Addendum # 1 - BID FORM

F. Attached hereto is a Bid Bond for the sum of <u>5 Percent (5%) of the Amount Bid</u> according to the conditions of "Instruction to Bidders" and provisions thereof.

III. ADDENDA

A.	Bidder acknowledge	s receipt of the Following Addenda:	
	Addendum No.	Date:	
	Addendum No.	Date:	
	Addendum No.	Date:	
IV.	SIGNATURES		
BIDD	DER - PRINCIPAL:		
	By:		
	Name:	(Diana Drint)	
	Address:	(Please Print)	
ATTI	Phone:	Fax:	
	Name:	(Please Print)	
	Title:		
			(SEAL)

Note: Attest for a corporation must be by the corporate secretary; for a partnership by another partner; for an individual by a notary.

Note: If the bidder is a corporation, the bid shall be signed by an officer of the corporation; if a partnership, it shall be signed by a partner; if signed by others, authority for the signature shall be attached.

END OF SECTION

ATTACHMENT N

Davis-Bacon Wage Rates, dated 01/06/2023

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"General Decision Number: GA20230291 01/06/2023

Superseded General Decision Number: GA20220291

State: Georgia

Construction Type: Heavy

Counties: Barrow, Bartow, Butts, Carroll, Cherokee, Clayton, Coweta, Dawson, Dekalb, Douglas, Fayette, Fulton, Gwinnett, Haralson, Heard, Henry, Jasper, Lamar, Meriwether, Morgan, Newton, Paulding, Pickens, Pike, Rockdale, Spalding and Walton Counties in Georgia.

HEAVY CONSTRUCTION PROJECTS

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	 Executive Order 14026 generally applies to the contract. The contractor must pay all covered workers at least \$16.20 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2023.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	 Executive Order 13658 generally applies to the contract. The contractor must pay all covered workers at least \$12.15 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all

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1	hours spent performing on
	that contract in 2023.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at http://www.dol.gov/whd/govcontracts.

Modification	Number	Publication	Date
0		01/06/2023	

SUGA2017-006 04/15/2021

	Rates	Fringes
CARPENTER (Form Work Only)\$	19.99	0.00
CARPENTER, Excludes Form Work\$	21.64	3.90
CEMENT MASON/CONCRETE FINISHER\$	19.02	3.29
ELECTRICIAN\$	28.39	9.15
LABORER: Common or General\$	13.98 **	1.38
LABORER: Pipelayer\$	17.11	3.23
OPERATOR: Backhoe/Excavator/Trackhoe\$	24.17	4.70
OPERATOR: Bulldozer\$	16.29	0.00
OPERATOR: Crane\$	25.45	0.00
OPERATOR: Loader\$	17.86	0.65
OPERATOR: Roller\$	11.89 **	0.00
PIPEFITTER\$	24.72	13.82

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$16.20) or 13658 (\$12.15). Please see the Note at the top of the wage determination for more information.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at

https://www.dol.gov/agencies/whd/government-contracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

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A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier. A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations Wage and Hour Division U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

The request should be accompanied by a full statement of the

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interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISIO"

Addendum # 1 - OVERHEAD COILING DOORS

SECTION 08 33 23

OVERHEAD COILING DOORS

PART 1 GENERAL

1.1 SUMMARY

- A. The Contractor shall furnish and install overhead coiling doors at the locations detailed on the drawings.
 - 1. See Contract Drawings for door dimensions, marks, and quantities.
- B. Furnished materials shall include all curtains, bottom bars, guides, brackets, hoods, operating mechanisms, hardware, seals, and any special features for a complete and operating door system.

1.2 REFERENCES

- A. ANSI/DASMA 108 American National Standards Institute Standard Method For Testing Sectional Garage Doors And Rolling Doors: Determination Of Structural Performance Under Uniform Static Air Pressure Difference.
- B. NFRC 102 Test Procedure for Measuring the Steady-State Thermal Transmittance of Fenestration Systems.
- C. ASTM E 90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Element.
- D. ASTM E 330 Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights, and Curtain Walls by Uniform Static Air Pressure Difference.
- E. ASTM A 653 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- F. ASTM A 666 Standard Specification for Austenitic Stainless-Steel Sheet, Strip, Plate, and Flat Bar.
- G. ASTM A 924 Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
- H. ASTM B 221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

1.3 DESIGN / PERFORMANCE REQUIREMENTS

- A. Single-Source Responsibility:
 - 1. Provide doors, tracks, motors, and accessories from one manufacturer for each type of door.
 - 2. Provide secondary components from a source acceptable to the manufacturer of primary components.

Addendum # 1 - OVERHEAD COILING DOORS

- B. Wind Loads:
 - 1. Design door assembly to withstand wind/suction load of 20 psf without damage to door or assembly components in conformance with ASTM E330.
 - 2. Provide windlocks on doors over 8'-1" wide.
- C. Operation:
 - 1. Design door assembly, including operator, to operate for not less than 50,000 cycles.

1.4 SUBMITTALS

- A. Section 01 33 23 Shop Drawings, Product Data and Samples.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation of instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Details of construction and fabrication.
 - 4. Installation instructions.
- C. Shop Drawings:
 - 1. Include detailed plans, elevations, details of framing members, anchoring methods, required clearances, hardware, and accessories.
 - 2. Include relationship with adjacent construction.
- D. Selection Samples:
 - 1. For each finish product specified, two complete sets of color chips representing the manufacturer's full range of available colors and patterns.
- E. Verification Samples:
 - 1. For each finish product specified, two samples, minimum size 6 inches long, representing actual product, color, and patterns.
- F. Manufacturer's Certificates:
 - 1. Certify products meet or exceed specified requirements.
- G. Operation and Maintenance Data:
 - 1. Submit lubrication requirements and frequency, and periodic adjustments required.

1.5 OPERATION AND MAINTENANCE MANUALS

- A. One (1) draft or preliminary electronic copy shall be emailed for review 60 days prior to shipping the equipment.
- B. Final copies, One (1) electronic copy and two (2) hard paper copies, shall be provided after installation and 30-days of continuous operation.

Addendum # 1 - OVERHEAD COILING DOORS

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in performing work of this section with a minimum of five years' experience in the fabrication and installation of security closures.
- B. Installer Qualifications: Installer Qualifications: Company specializing in performing work of this section with minimum three years and approved by the manufacturer.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Store products in the manufacturer's unopened packaging until ready for installation.
- B. Protect materials from exposure to moisture.
- C. Do not deliver until after wet work is complete and dry.
- D. Store materials in a dry, warm, ventilated weathertight location.

1.8 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within the limits recommended by the manufacturer for optimum results. Do not install products under environmental conditions outside the manufacturer's absolute limits.
- 1.9 SCHEDULING & COORDINATION
 - A. Coordinate work with other operations and installation of adjacent materials to avoid damage to installed materials.

1.10 WARRANTY

A. Manufacturer's limited door and operator system, except the counterbalance spring and finish, to be free from defects in materials and workmanship for 3 years or 20,000 cycles, whichever occurs first.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. The overhead coiling door shall be as manufactured by
 - 1. The Overhead Door Corporation.
 - 2. Substitutions are allowed: Section 01 25 13 Substitutions and Product Options

2.2 ROLLING SERVICE DOORS

- A. Overhead Coiling Stormtite Insulated Service Doors: Overhead Door Corporation Model 625.
 - 1. Curtain: Interlocking roll-formed slats as specified following. Endlocks shall be attached to each end of alternate slats to prevent lateral movement.
 - a. Flat profile type F-265i for doors up to 40 feet wide.

- Addendum # 1 OVERHEAD COILING DOORS
- b. Front slat fabricated of: Aluminum .040 inch.
- c. Back slat fabricated of: Aluminum .024 inch.
- d. Slat cavity filled with CFC-free foamed-in-place, polyurethane insulation.
 - 1) R-Value: 7.7, U-Value: 0.13.
 - 2) Sound Rating: STC-21.
- 2. Performance:
 - a. Through Curtain Sound Rating: Sound Rating: STC-28 (STC-30+ with HZ noise generator) as per ASTM E 90.
 - b. Installed System Sound Rating: STC-21 as per ASTM E 90.
 - c. U-factor: 0.91 NFRC test report, maximum U-factor of no higher than 1.00.
 - d. Air Infiltration: Meets ASHRAE 90.1 & IECC 2012/2015 C402.4.3 Air leakage <1.00 cfm/ft2.
- 3. Slats and Hood Finish:
 - a. Aluminum: Slats and hood shall be aluminum. Finish shall be as noted on the Drawings, door schedule, or as selected by the Owner or Architect from one of the following.
 - 1) Finish: Mill finish.
 - 2) Finish: Clear anodized finish.
 - 3) Finish: Bronze anodized finish.
 - 4) Finish: Powder Coat:
 - a) PowderGuard Max powder coat, color as selected by the Owner or Architect
- 4. Weatherseals:
 - a. Vinyl bottom seal, exterior guide and internal hood seals.
 - b. Interior guide weatherseal.
 - c. Lintel weatherseal.
 - d. Air Infiltration Package, IECC 2012/2015 listed; product to meet C402.4.3 2012 Air leakage <1.00 cfm/ft2.
 - 1) Air infiltration perimeter seal package includes: guide cover, guide cap, dual brush exterior guide seal, 4 inch finned lintel brush seal and vinyl bottom seal.
- 5. Bottom Bar:
 - a. Extruded aluminum angle minimum thickness 1/8 inch bolted back to back to reinforce curtain in the guides.
 - b. Finish: To match finish selected by the Owner or Architect for the slats and hood.
- 6. Guides: Three Structural steel angles
 - a. The wall angle portion shall be continuous and fastened to the masonry structure with a minimum ¹/₂" Ø fasteners on 36" centers.
 - b. Provide windlock bars of same material when windlocks are required to meet specified wind load.
 - c. Finish: To match the finish selected by the Owner or Architect for the slats and hood.
- 7. Brackets:
 - a. To support counterbalance, curtain and hood.
 - b. Fabricate from minimum $\frac{1}{4}$ inch stainless steel plate and shall be bolted to the wall angle with minimum $\frac{1}{2}$ " Ø fasteners.
 - c. Finish: To match the finish selected by the Owner or Architect for the slats and hood.
- 8. Counterbalance:

SECTION 08 33 23

- a. Helical torsion spring type housed in a steel tube or pipe barrel, supporting the curtain with deflection limited to 0.03 inch per foot of span. Counterbalance is adjustable by means of an adjusting tension wheel.
- 9. Hood: Provide with internal hood baffle weatherseal.
 - a. Provide with internal hood baffle weatherseal.
 - b. Aluminum hood with intermediate supports as required.
 - c. Finish: To match the finish selected by the Owner or Architect
- 10. Manual Operation: Provide doors with manual operation as indicated on the Drawings and Door Schedule.
 - a. Chain hoist.
 - b. Provide chain of sufficient length to operate the door.
 - c. Chain shall extend down to within three (3) feet of the floor.
 - d. Provide a means to hold the chain against the wall during normal use.
- 11. Windload Design:
 - a. Standard windload shall be 20 PSF.
- 12. Locking:
 - a. Chain keeper locks for chain hoist operation.
 - b. Interior slide bolt lock for electric operation with interlock switch.
- 13. Wall Mounting Condition:
 - a. Face-of-wall mounting.

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine substrates upon which work will be installed and verify conditions are in accordance with Contract Drawings and approved shop drawings.

3.2 INSTALLATION AND TESTING

- A. All coiling service doors shall be installed, checked out, and started by an authorized and certified manufacturer technician.
- B. Install door and operating equipment with necessary hardware, anchors, inserts, hangers, and supports.
- C. Use anchorage devices to securely fasten the assembly to wall construction and building framing without distortion or stress.
- D. Securely and rigidly brace components suspended from the structure.
- E. Secure guides to structural members only.
- F. Fit and align assembly, including hardware, level, and plumb, to provide smooth operation.
- G. Coordinate installation of sealants and backing materials at frame perimeter as specified in Section 07 90 00.

- H. Install perimeter trim and closures.
- I. Follow manufacturer's installation instructions.

3.3 ADJUSTING

- A. Following completion of installation, including related work by others, lubricate, test, and adjust doors for ease of operation, free from warp, twist, or distortion.
- B. Adjust hardware and operating assemblies for smooth and noiseless operation.

3.4 CLEANING

- A. Clean surfaces soiled by work as recommended by the manufacturer.
- B. Remove labels and visible markings.
- C. Remove surplus materials and debris from the site.

3.5 DEMONSTRATION

- A. Demonstrate proper operation to Owner's Representative.
- B. Instruct Owner's Representative in maintenance procedures.

3.6 **PROTECTION**

A. Protect installed products until completion of the project.

END OF SECTION



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C T MAGNETIC <u>SSMH-B</u> STA: 0+00 PROPOSED 6' DIA. DOGHOUSE MH W/ OUTSIDE DROP. CONNECT TO EXIST. 24" SANITARY SEWER LINE ß 25' STREAM BUFFER STREAM



NOTE: BEFORE ORDERING MATERIALS FOR GRAVITY SEWER A, CONTRACTOR SHALL CONFIRM DEPTH OF EXISTING 12" DIP FROM LAS PUMP STATION B AT THE PROPOSED CROSSING AND NOTIFY ENGINEER.



SCALE: 1'' = 20' HOR. 1'' = 4' VERT.

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	[
	MAIN DIAMETER		COLLAR B	R DIM.	STEEL REINFORCING	
	24″	1'-8"	8'-10"	8'-10"	#10 @ 12″ D.C. E.W.E.F.	
	20″	1'-6"	7′-8″	7′-8″	#9 @ 12″ O.C. E.W.E.F.	
	16″	1'-3"	6'-6"	6′-6″	#8 @ 12″ D.C. E.W.E.F.	
	12″	1'-2"	5′-3″	5′-3″	#7 @ 12" D.C. E.W.E.F.	
	6" OR 8"	1'-0"	4'-0"	4'-0"	#6 @ 12″ D.C. E.W.E.F.	
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<u>NOT</u> For	$\underline{WA'}_{\underline{-1}}$	<u>FER</u>	MAIN	<u>TE</u>	<u>RMINATION</u>	
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WATER & SE "Excellence	wer Authority in every drop"	ΓOWAH	H WA'	ΓER	& SEWER AUTHORITY	STANDARD NO. 717 DATE: MAY 20 SCALE: NONE







ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD OF 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

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(Sd2)-

CONSTRUCTION EXIT

LONG: -084.1322693°

PROXIMATE 100-YEAR _OOD BOUNDARY LIMIT

MULCH

Du Ds1Ds2 (TYP. ALL DIST. AREAS

Sd1-S

BFRM

LAT: 34.3623593°

25' STREAM

Sd1-M

ULCH FILTER

BERM

BUFFER

INITIAL CLEARING PHASE EROSION CONTROL NOTES:

1. PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE INSPECTOR TO VERIFY ALL BMP'S ARE INSTALLED PER THE PLAN.

PERENNIAL STREAM

► 25' STREAM BUFFEF

AWB

5' AVG. WIDTH

2. THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

Con

HSD

- 3. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT (IF APPLICABLE) SHALL BE PRESENT ON THE SITE AT ALL TIMES.
- 4. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
- 5. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE PLANS.
- 6. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.
- 7. THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.
 - A. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXIT ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
 - TYPE "S" SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL OF EROSION CONTROL IN GEORGIA, TABLE 6-20.2. DOUBLE ROWS OF TYPE "S" SILT FENCE, WHEN USED, SHALL BE PLACED MINIMUM OF 36 INCHES APART. THE SILT FENCE SHOULD BE KEPT ERECT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT FENCE SHOULD BE REMOVED WHEN ACCUMULATION REACHES 1/2 HEIGHT OF BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAID FENCING SHOULD BE REPLACED IMMEDIATELY.
- 8. AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL CONDUCT AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.
- 9. AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVISION DIKES AS SHOWN ON THE CLEARING PHASE PLAN TO CONTROL EROSION AND STORM WATER RUN OFF.

10. NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE.





DESCRIPTION
OAM, 2 TO 6 PERCENT SLOPES
TO 2 PERCENT SLOPES, FREQUENTLY FLOODED
SOILS
10 PERCENT SLOPES
AM, 2 TO 6 PERCENT SLOPES, ERODED
DAM, 6 TO 10 PERCENT SLOPES, ERODED
TO 70 PERCENT SLOPES

<u>3D SECTION</u>

INFLUENT RECYCLE MANHOLE – GENERAL NOTES:	BΥ	AX	AX M/S	W&S	W&S	C X M		
1. THE OWNER WILL DRAIN THE EXISTING LAS POND TO ALLOW THE CONTRACTOR TO CONNECT TO THE EXISTING 18" DIP BETWEEN THE STATIC SCREEN IN THE LAS POND AND THE LAS PUMP STATION. SEE PIPING PLAN FOR ADDITIONAL DETAILS AND THE CONSTRUCTION SEQUENCING REQUIREMENTS ON DRAWING G.01 FOR ADDITIONAL REQUIREMENTS.								
3D VIEW LEGEND		SET	T SFT	JLI				
2.1 10" TELESCOPING VALVE WITH HANDWHELL OPERATOR	NOIT	SN REVIEW	DESIGN SET	RY SUBMITT	SET	02		
2.3 1 1/2" ALUMINUM GRATING (SEE SPEC SEC. 05 60 00) 2.4 CAST IN PLACE CONCRETE (SEE SPEC SEC. 03 30 00)	ESCRI	% DESI	VANCE	GULATO	D READ			
<u>3D DRAWING NOTE:</u> CERTAIN COMPONENTS (E.G. SLABS, WALLS, PIPING, ETC.) OF THE PROPOSED INFRASTRUCTURE HAVE BEEN OMITTED FROM THESE 3D DRAWINGS FOR CLARITY. SEE MECHANICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS.	REV. DATE DI	1 11/04/2022 45	2 05/22/2023 AD	M 4 08/09/2023 RE	5 09/15/2023 BII 6 10/15/2023 BII			
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ING STAND EL. 1046.50 GROUND EL. 1045.00 \pm GROUND EL. 1045.00 \pm	<u>v</u>	VIEC CIVII 3	est est est est est est est est est est	Are Environ OVERN SUIT RCROS (404) 8 W.WIEL	iron ^d SINA amen ORS LL S, GA 876-58 DEMAN	GLETO GLETO tal Eng AKE DR 30071 62 N.COM	N, IN gineers IVE	C.
12" PLUG VALVE W/ EXT. STEM @ VALVE BOX COVER 18" LINK SEAL W/ S.S. HARDWARE @ LE. 1033.50" 18" DPED GROUT FILL 18" PPE SUPPORT, P.S. #1 (SEE SECTION A 3/8" = 1-0"	B Z 9 PROJECT: PROJECT: ETOWAH WATER & SEWER AUTHORITY	DAWSON FOREST WRF PHASE I	VIDE AND EXPANSION TO 1.25 MGD	DAWSON COUNTY, GEORGIA	AS S S S S S S S S S S S S S S S S S S	Image: Second	SMIDI VILLUS & VILLUS	
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FLOCCULATION TANK AND DISC FILTERS- GENERAL NOTES:

1. THE OWNER HAS NEGOTIATED A SCOPE OF SUPPLY WITH AQUA-AEROBIC SYSTEMS, INC. FOR THE PROPOSED FLOCCULATION AND DISC FILTER EQUIPMENT AND APPURTENANCES TO BE PROVIDED ON THE PROJECT AS OWNER FURNISHED EQUIPMENT. SEE INSTRUCTIONS TO BIDDERS (SECTION 00 21 13) IN THE SPECIFICATIONS FOR ADDITIONAL DETAILS AND REQUIREMENTS ASSOCIATED WITH THIS OWNER FURNISHED EQUIPMENT.

2. THE OWNER HAS NEGOTIATED A SCOPE OF SUPPLY WITH SYNCROFLO FOR THE PROPOSED REUSE WATER PUMP STATION TO BE PROVIDED ON THE PROJECT AS OWNER FURNISHED EQUIPMENT. SEE INSTRUCTIONS TO BIDDERS (SECTION 00 21 13 IN THE SPECIFICATIONS FOR ADDITIONAL DETAILS AND REQUIREMENTS ASSOCIATED WITH THIS OWNER FURNISHED EQUIPMENT.

DISC FILTER PIPING - ALL DISC FILTER PIPING AND APPURTENANCES EQUAL TO OR LESS THAN 3" SHALL BE STAINLESS STEEL (304, SCH. 10). PIPING AND APPURTENANCES LARGER THAN 3" SHALL BE AS DETAILED ON THE DRAWINGS. ALL PIPING SHALL BE SUPPORTED WITH SS PIPE SUPPORTS AND FASTERNERS AT MAX. 5'-0" SPACING. HEAT TRACE AND INSULATE ALL EXPOSED PIPING IN THE PUMP AREA.

CONTRACTOR SHALL FURNISH AND INSTALL BLACK RUBBER MATTING TO THE LIMITS SHOWN. BLACK RUBBER MATTING DETAILED SHALL BE 1/4" THICK RIBBED TRACTION MAT DESIGNED FOR OUTDOOR USE (McMASTER-CARR #6873T14 OR EQUAL). CONTRACTOR SHALL CUT THE 48" MATTING TO WIDTHS AND LENGTHS REQUIRED.

FLOCCULATION TANK AND DISC FILTERS – PRIMARY PROCESS DESIGN CRITERIA:

DESIGN FLOW, MGD	1.25	2.5
DESCRIPTION	PHASE I EXPANSION	FUTURE PHASE II EXPANSION
NEW FLOCCULATION BASIN		
BASIN (18' X 15.5' X 9.5')	1	1
STAGE	1	1
STAGE VOLUME, GAL	19,827	19,827
PEAK FLOW	2.1	4.2
HTR AT PEAK FLOW, MIN	14	7
MECHANICAL MIXERS (W/VFD)	1	1
VELOCITY GRADIENT, SEC-1	60	60
NEW EFFLUENT DISC FILTERS		
AVG. DESIGN FLOW, MGD	1.25	2.5
AVG. DESIGN FLOW, GPM	868	1,736
MAX. DESIGN FLOW, MGD	2.1	4.2
MAX. DESIGN FLOW, MGD	1,458	2,917
NUMBER OF FILTER CELLS	2	2
DESIGN AVG. HYDRAULIC LOADING, GPM/FT ²	2.0	2.0
DESIGN MAX. HYDRAULIC LOADING, GPM/FT ²	3.4	3.4
MIN. REQUIRED DISC FILTER AREA, FT ²	429	858

(6.7)

3D VIEW LEGEND					
6.1	DISC FILTER EQUIPMENT	6.2	ALUMINUM STAIRS (SEE SPEC SEC. 05 51 00)		
6.3	BACKWASH/ WASTE PUMPING EQUIPMENT	6.4	CAST IN PLACE CONCRETE (SEE SPEC SEC. 03 30 00)		
6.5	1 1/2" ALUMINUM GRATING (SEE SPEC SEC. 05 60 00)	6.6	MECHANICAL MIXER		
6.7	REUSE WATER PUMP STATION (SEE SPEC SEC. 22 11 23)	6.8	VALVE BOX		
6.9	MCMASTER-CARR 1/4" FLAT RIB RUBBER MAT				

<u>3D DRAWING NOTE:</u> CERTAIN COMPONENTS (E.G. SLABS, WALLS, PIPING, ETC.) OF THE PROPOSED INFRASTRUCTURE HAVE BEEN OMITTED FROM THESE 3D DRAWINGS FOR CLARITY. SEE MECHANICAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL DETAILS.

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CONTRACTOR CAN USE OTHER TYPES OF PIPE SUPPORTS (SUCH AS GRINNELL FIG. 199 WITH U-BOLT) WHEN APPROVED BY THE ENGINEER.

USE ANVIL FIG. 259 IF SUPPORT MUST HANDLE UPWARD FORCES.

'A'	'B'	'C'	'D'
PIPE SIZE			plate size
4" - 12"	3	2.5	1/4" X9" X 9"
14"- 16"	4	3	1/4" X12" X 12"
18"- 36"	6	4	1/4" X 16" X 16"

Scale: N.T.S. (ANVIL FIG. 264 OR EQUAL)

P.S.#2

TYPICAL ADJUSTABLE PIPE SUPPORT

- 'A' PIPE Ø

"ALL THREAD ROD" NOT TO BE USED FOR ROD. CONTRACTOR HAS OPTION TO USE EITHER FIG. 52 OR 152 TO SECURE TO CEILING.

'A'	'B'	MAX LOA
PIPE SIZE	ROD SIZE	(LBS)
< 1"	3/8"	250
1" - 2"	3/8"	250
2" – 3"	1/2"	350
4"	1/2"	400
6"	3/4"	1940
8"	3/4"	2000
10"	7/8"	3600
12"	7/8"	3800

	TYPICAL PIPE HANGER
P.5.#3	Scale: N.T.S. (ANVIL FIG. 65 , 260 OR EQ

ANVIL FIG 52. (OPTION 1)

B' ROD Ø – SPACING TO SUIT PIPE SIZE & TYPE CEILING ANCHOR USED. SEE TABLES

)	CLEVIS	
	MODEL	
	65	
	65	
	65	
	65	
	260	
	260	
	260	
	260	
_		

R SUPPORT UAL)

- SS CHEM.

ANCHORS,

SEE SPEC'S

QUESTIONS FROM BIDDERS

See Notes

DAWSON FOREST WRF PHASE I UPGRADE AND EXPANSION TO 1.25 MGD

ETOWAH WATER AND SEWER AUTHORITY

(BID DATE: 2:00 P.M. NOVEMBER 2, 2023)

Updated: 10/23/2023

Question #	Question	Answer
1	What is the Engineer's construction estimate?	The Engineer's opinion of total construction costs is \$10.85M, which includes \$2.32M of Owner Furnished Equipment.
2	General Piping Note 5, Sheet G.02 states that all force mains shall be ductile iron pipe with cement lining. Spec 33 31 00, 2.1, C for Sanitary Sewer Piping mentions P401 lining. This spec appears to be for gravity sewer piping and service connections only. Please confirm that all ductile iron process piping and sanitary sewer are to be lined with P401 lining, and all potable water and non-potable water lines are to be cement lined.	General Piping Note 5, Sheet G.02 is correct. Spec 33 31 00 will be changed by Addendum No.1 to eliminate P401 lining from the specifications (i.e., all DIP shall be cement lined).
3	Specs 33 11 13 and 33 31 00 list different requirements for ductile iron pipe pressure class. Spec 33 11 13 calls for PC250 unless indicated on the drawings, and Spec 33 31 00 calls for PC350, but also provides a pressure class table based on pipe depth for flexible linings. Please confirm that the minimum standard pressure classes shown on the table provided in Section 33 31 00, 2.1, B, 4 will be acceptable.	The minimum pressure classes shown in the table provided in Section 33 31 00, 2.1, B, 4 are acceptable for the DIP detailed on the drawings. This will be clarified via Addendum No. 1.
4	Will the Authority consider adding other named suppliers for the Polyethylene Tanks in section 43 41 43 of the above referenced project?	The Authority is pre-purchasing a 6,500 Gallon Dual Wall tank with the Watson-Marlow Chemical Metering Pump Skid for the Alum Feed Facilities, therefore no other chemical storage tank will be needed. This technical specifications section will be deleted via Addendum No. 1.
5	Please provide a specification for the Overhead Door on the project.	To be issued via Addendum No. 1.
6	Please provide the required Wage Rates for the project and SRF funding.	To be issued via Addendum No.1.
7	Will Henry Company HE789 - FIB ASPHALT EMULSION DAMPPROOFING be approved as an acceptable substitution to BASF MasterSeal 615 for damp proofing of masonry cavity walls (Spec Section 07 11 00) and waterproofing of below grade cast in place concrete walls (Spec Section 07 13 26)?	Yes, the proposed substitution is acceptable and the named supplier will be added to the specifications via Addendum No. 1.
8	Drawing M.2.1 shown ductile iron lines going in an out of the Influent Recycle Manhole. The gravity sewer profile on Drawing C.12 show these lines to be PVC. Please confirm that these lines are to be SDR26 PVC for gravity sewer.	Ductile iron pipe (DIP) will be required to convey flow into the Influent Recycle Manhole, while PVC gravity sewer pipe (SDR26) will be required to convey flow leaving the structure. This will be clarified via Addendum No.1.
9	Please confirm that all sewer lines shown as PVC on the profile views shall be SDR26 PVC as specified in 33 31 00, 2.2.	That is correct. This will be clarified via Addendum No. 1.
10	Will the Owner be providing the alum and lime chemicals or is this the responsibility of the contractor?	The Owner will provide and pay for the alum and lime chemicals.
11	There is an existing chemical system that appears to be lime installed adjacent the influent pump station. Who is responsible to remove the equipment in order to construct the dumpster area for the bar screen discharge?	The existing (temporary) Burnett Lime Company CAL-FLO liquid lime system and appurtenances that conflict with the proposed construction will be removed by Burnett Lime and/or the Owner by no later than March 1, 2024. At that time, the addition of CAL-FLO will be terminated until the new permanent CAL-FLO system is operational.
12	Since there is an existing lime system where the new bar screen dumpster will be located, it is assumed the new lime system has to be installed and operational prior to beginning work on the dumpster area. Please confirm.	See response to previous question.

QUESTIONS FROM BIDDERS

See Notes

DAWSON FOREST WRF PHASE I UPGRADE AND EXPANSION TO 1.25 MGD

ETOWAH WATER AND SEWER AUTHORITY

(BID DATE: 2:00 P.M. NOVEMBER 2, 2023)

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Question #	Question	Answer
13	The scope of supply from Burnett Lime has an 11'x11' metal building for the pump and control enclosure included in their proposal. Per the contract plans, the building is to be a masonry structure. Please clarify what is required.	Burnett Lime's proposal from 8/29/23 does include a steel frame building with the intent for the general contactor to install exterior brick as detailed on the engineering drawings. To accommodate this, Burnett Lime will furnish and install an interior metal with foam insulation and plywood on the outside of the frame system included in their proposal. The stainless steel frame system will also be fabricated for the brick mason to brick up against it. Regarding the connection between the Slurry Tank and building enclosure, the building will not be attached to the tank to accommodate the slight movement from the Slurry Tank Mixer. This will be sealed with foam and caulking at the time of installation by Burnett Lime. See Burnett Lime's proposal for additional details.
14	Is this project subject to the Build America Buy America requirements for the proposed funding?	No, the Authority qualifies for a waiver from the BABA requirements. This will be clarified via Addendum No. 1.
15	For coordination of work at the influent pump station, once the two new pumps are installed and operational, can they be used to pump the incoming flow to the SBR tanks and the two existing pumps be taken out of service?	Yes. Also, for information and planning purposes, the capacity of the two new pumps will match the hydraulic capacity of the two existing pumps.
16	There are several instruments on the I drawings that show FBV, furnished by vendor. On I.0.2 there is also FBZ, furnished by Zile. There are no field instruments on the I drawings marked FBZ. Is this correct? Is Zile only providing the SCADA control panels and associated programming shown on the I drawings?	Some (limited) instrumentation will be furnished and installed by Zile. However, not all required instrumentation on the project will be furnished and installed by Zile. This will be clarified via addenda, if required.
17	Is the contractor responsible for the warranty for the Owner provided equipment?	For the Owner Furnished Equipment, only under certain circumstances. This will be clarified via Addendum No. 1.
18	It is requested that the contract time be extended to 540 days for substantial completion and 570 days for final completion.	The total contract period for completion of the project will be increased via Addendum No.1 to 540 consecutive calendar days.
19	Are any coatings required inside the wet wells of the influent pump station?	No. Section 09 97 24 SPECIAL CONCRETE COATINGS will be deleted via Addendum No. 1.
20	C.14 note 9 for the wetlands states that no work may be performed in the wetland area until all necessary permits and certifications have been obtained. What permits and certifications are required and who is responsible for getting them?	The Owner will acquire the necessary permits and approvals required for construction. For bid purposes, however, the Contractor shall assume that the Owner will not acquire these permits and approvals for at least 180 days after the Contractor has been issued a notice to proceed with construction.
21	 Please reference 09 97 24, Special Concrete Coatings. Per 1.1, D.3 we are to paint all interior surfaces of the new cast in place concrete "wet well". 1. Are you referring to the Post EQ Pump Station wet well? 2. Are there any additional areas, other than the manholes, that are to receive the Raven Linings system? The sentence "Do not coat the Parshall flume" leads one to believe there may be other that will require the specified coatings system. 	Section 09 97 24 SPECIAL CONCRETE COATINGS will be deleted via Addendum No. 1.
22	Invitation to Bid – Can the bid time be moved to 2:00 pm in lieu of the proposed 10:00 am time?	Yes. This change will be included in Addendum No. 1.

QUESTIONS FROM BIDDERS See Notes DAWSON FOREST WRF PHASE I UPGRADE AND EXPANSION TO 1.25 MGD ETOWAH WATER AND SEWER AUTHORITY

(BID DATE: 2:00 P.M. NOVEMBER 2, 2023)

Updated: 10/23/2023

Question #	Question	
Question #		
23	Sheets C.08 and C.12 shows an 18" PVC Line, sheet M.2.1 shows the line as DIP, please confirm the pipe material.	See response to question 9 above. This will be clarified via Addendum No. 1.
24	Sheet C.07 – Please provide a 6" DIP Water Main Termination detail	The Authority's standard detail will be provided via addenda.
25	Sheet C.07 – Please provide a detail for the Yard Hydrants on the project	The Authority's standard detail will be provided via addenda.
26	Sheet M.2.1 – Is a pipe support required in the manhole, if so what type, concrete or stainless steel?	A concrete pipe support will be added via Addendum No. 1.
27	Sheet M.3.1 – Can the pipe support be Type 2 in lieu of Type 4?	Drawing M.3.1 is being reissued via Addendum No. 1.
28	Sheet C.10 Force Main – Line A Plan shows a 12" Gate Valve, Sheet M.6.2 Section B shows a Butterfly Valve, which is correct?	The 12" valve in question shall be a gate valve. This will be clarified via Addendum No. 1.
29	Sheet M.8.2 shows a 20" DIP line to LAS, Sheet C.07 shows this line as 20" PVC, which is correct?	The 20" line in question shall be DIP. This will be clarified via Addendum No. 1.
30	Please provide a specification for the Overhead Doors on the project	This spec section will be issued via Addendum No. 1.
31	Section 01 77 00 requests a 5 year warranty from the manufacturers on their equipment, is this correct?	The 5 year warranty period referenced in Section 01 77 00 applies to "latent defects due to faulty products or workmanship".
32	The contract documents state the construction period is 450 days, General Conditions Article 30 states the contractor should expect 83 days of inclement weather, thus reducing the construction period to less than a year. This duration is too short for a project of this magnitude, would the owner consider changing the construction period to 540 days?	The total contract period for completion of the project will be increased via Addendum No.1 to 540 consecutive calendar days.
33	Reference specification 00 73 00-1.2.A which states that costs for complying with the requirements of NPDES will be paid from the NPDES Monitoring cash allowance. I find no mention of this "NPDES Monitoring" cash allowance on the Bid Form or in specification 01 21 13. Please clarify project intent.	The "NPDES Monitoring" cash allowance will be inserted into the Bid Form and Section 01 21 13 via Addendum No. 1.
34	We are unable to find mention of who will is required to purchase chemicals for initial fill and startup. Please clarify project intent.	The Owner will provide and pay for the alum and lime chemicals.
35	Can you please provide the Davis Bacon Wage Rate that is applicable for this project.	To be issued via Addendum No. 1.
36	Specification section 333100.2.1.C.1 states "Linings shall cover all exposed surfaces of pipe and fittings subject to contact with sewer liquid or gas" Please let me know if the 36" DIP outfall line is considered a sewer line, and if any of the other pipelines on the project may not be considered "sewer" lines.	See response to question 2 above.

QUESTIONS FROM BIDDERS

See Notes

DAWSON FOREST WRF PHASE I UPGRADE AND EXPANSION TO 1.25 MGD

ETOWAH WATER AND SEWER AUTHORITY

(BID DATE: 2:00 P.M. NOVEMBER 2, 2023)

Updated: 10/23/2023

Question #	Question	Answer
	1. Company Names and Trade Names have been removed from the questions. T	he answers contain trade names only to refer to existing installations. These inclusions do not represent an
	endorsement of the product or the company.	
NOTES:	2. Questions from sales representatives have been edited where appropriate for brevity.	
	3. Questions from General Contractors have been left untouched.	
	4. Significant Changes in answers previously posted are marked in red.	