

**PROJECT:** Town of Wedowee  
CWSRF Project No. CS010883-02 & CS010883-04  
ARC Project No. AL-20358-2021  
KG Project #20-0016

**ADDENDUM NO.** One (1)

**DATE:** September 13, 2023

**TO:** All Recorded Contract Document Holders

This Addendum is issued to all registered plan holders pursuant to the Conditions of the Contract.

This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. This addendum and its attachments shall become a part of the plans and specifications and shall apply to the bid proposals for the above-named project.

The bidder(s) shall notify all affected subcontractors, material suppliers, and others to incorporate necessary cost and schedule updates, to the bid proposal and the work changes affected by this Addendum.

The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form. Bidders must also acknowledge receipt by email to [jessica@kelleynetwork.com](mailto:jessica@kelleynetwork.com).

In the event of conflict between plans and specifications and this addendum, the addendum shall take precedence. Any modifications necessary to incorporate the revisions shall be included in the appropriate bid prices. The bid documents are hereby corrected, modified, and/or amended in the following manner:

---

**General:**

1. The minutes and attendance roster from the Pre-Bid Conference held on September 7, 2023, at 1:00 P.M. are attached.
2. Any potential material supplier (SUPPLIER) wishing to engage in a purchase agreement with the Town of Wedowee, AL (OWNER) shall provide proper bid documentation as required by the contract documents herein. As a portion of the bid package, proper material and/or bid bonds shall be provided by each SUPPLIER as outlined herein. Further, signature pages for each SUPPLIER wishing to bid shall be provided in the bid package. Any items on which bid pricing is provided, but proper bonding documentation is not provided, will be rejected. This may require that the OWNER must engage in multiple purchase agreements with the various equipment manufacturers approved to provide bid pricing herein. Any SUPPLIER wishing to provide bid pricing shall enter the name of the entity providing the signature page, and intending to enter a purchase agreement with the OWNER, in the space marked 'Equipment Vendor' on the amended bid form attached hereto.

3. Preliminary lead times for equipment submittals and production have been provided by the various equipment SUPPLIERS approved to provide bid pricing herein, along with their representatives. The contract for material supply will be executed if/when material contract award is made. The execution of this contract and notice to proceed will initiate submittal preparation by SUPPLIERS. Upon approval of submittals and release to production of equipment, the contract for CONTRACTORS shall be executed as to negate contract time passing during submittal approval. Further, the documents herein allow the ENGINEER to pause contract time for any justifiable reason. Should a delay in equipment supply be realized, the ENGINEER, CONTRACTOR, and OWNER shall negotiate terms for contract pause or extension. Extended contract time shall be granted upon approval of funding and governing agencies, once requested.

**Material Contract:**

1. Remove and replace Section 00 41 43 BID FORM with revised Section 00 41 43 BID FORM – ADDENDUM #1 attached hereto.
2. Remove and replace page 12 of Section 22 13 42 DUPLEX ABOVE GROUND VALVE PACKAGE with revised page 12 of Section 22 13 42-12 DUPLEX ABOVE GROUND VALVE PACKAGE – Addendum #1 attached hereto.
3. ABB is approved as an equal manufacturer to the electromagnetic flow meter manufacturer listed. All proposed flow meters shall be compatible with raw sewage and must provide an output for both instantaneous and totalized flow. All material and construction specifications noted in the contract documents shall be adhered to.
4. Q: Spec (pg. 339) Calls for 6” tube but drawing shows reducing from 6” to 4” & lists mag as 4”. Please clarify.  
  
A: There is not a page 339. Section 40 71 12 ELECTROMAGNETIC FLOW METER, 1.03.A. shall now read: "The 4" flow sensor tube shall be constructed of 304 stainless-steel lined with NSF61 rated Polypropylene and rated for a working pressure up to 285 psi."
5. Grounding rings shall be included with flow meter equipment as shown in equipment cut sheets from named flow meter manufacturer included in the contract documents.
6. Battery backup for flow meter shall be furnished and installed by the labor contractor.
7. 10 m of cable for flow meter is acceptable.
8. JPS Industries, Inc. is approved as an equal manufacturer to the baffle curtain manufacturer listed. All material shall be XR-5 grade and shall be constructed per specifications noted in the contract documents.
9. Access platform, piping between backwash pumps and filter tank, backwash pumps discharge

check valves, and backwash pumps discharge header shall be provided by the filter manufacturer. See revised sheet C17 attached hereto for reference.

10. The Engineer's estimate of probable cost for the material contract is \$1,500,000.00

**Labor Contract:**

1. Remove and replace Section 00 41 43 BID FORM with Section 00 41 43 BID FORM-ADDENDUM #1 attached hereto.
2. The generator shown on Sheet E2 of the contract plans shall not be an Additive Alternate. The labor CONTRACTOR shall provide and install the generator as described in line item 12 of the revised bid form attached.
3. CONTRACTOR shall ensure that the northernmost existing baffle curtain in the lagoon shall remain intact during all dredging activities. The southernmost baffle curtain may be removed during dredging activities.
4. Concrete mix requirements for this project vary from the standard concrete mix requirements per ALDOT specifications. Please adhere to concrete mix requirements per the contract documents.
5. Q: Spec (pg. 339) Calls for 6" tube but drawing shows reducing from 6" to 4" & lists mag as 4". Please clarify.

A: There is not a page 339. Section 40 71 12 ELECTROMAGNETIC FLOW METER, 1.03.A. shall now read: "The 4" flow sensor tube shall be constructed of 304 stainless-steel lined with NSF61 rated Polypropylene and rated for a working pressure up to 285 psi."

6. Please see revised Sheet C13 attached hereto for dimensions of manhole base for influent screen.
7. Please see portion of revised Sheet C9 attached hereto for addition of filter backwash pump discharge line.
8. The Engineer's estimate of probable cost for the labor contract is \$2,285,000.00

**Drawings:**

1. Remove and replace Sheet C9 from the contract documents with Sheet C9 attached hereto.
2. Remove and replace Sheet C13 from the contract documents with Sheet C13 attached hereto.
3. Remove and replace sheet C15 from the contract documents with Sheet C15 attached hereto.
4. Remove and replace sheet C17 from the contract documents with Sheet C17 attached hereto.



This Addendum No. 1 shall be attached to the front of your set of Specifications and made a part of the Specifications and Contract Documents. Acknowledgment of receipt of Addendum No. 1 shall be noted on Page 00 41 43-1 of the Bid Form.

THE KELLEY GROUP, LLC.

By: Bart Taft  
Bart Taft, P.E.

Addendum #1 is 31 total pages.  
This concludes Addendum #1.

# PRE-BID CONFERENCE MINUTES

**TOWN OF WEDOWEE**  
**SEWER SYSTEM IMPROVEMENTS**  
**CWSRF PROJECT NO. CS010883-02 & CS010883-04**  
**ARC PROJECT NO. AL-20358-2021**  
**KG PROJECT NO. 20-0016**  
**THURSDAY, SEPTEMBER 7, 2023, AT 1:00 P.M.**

Note: The following is a combination of the pre-bid conference agenda and minutes. It does not attempt to, nor does it represent a total recapitulation of Project requirements and does not change or alter same, in any respect. *Changes, if any, will only be made by written Addendum.*

**General Review Items**

1	Welcoming remarks. Virtual attendance roster is attached.
2	Introduction of Owner: <div style="margin-left: 100px;">Town of Wedowee</div> <div style="margin-left: 100px;">Tim Coe, Mayor</div>
3	Introduction of Engineer: <div style="margin-left: 100px;">The Kelley Group, LLC</div> <div style="margin-left: 100px;">P.E. – Bart Taft, (256) 248-7030</div> <div style="margin-left: 100px;">E.I. – Chase Williams, (205) 234-0596</div>
4	Introduction of Funding Agencies: <div style="margin-left: 100px;">Alabama Dept. of Environmental Management (ADEM)</div> <div style="margin-left: 100px;">Appalachian Regional Commission (ARC)</div>
5	<p><b><u>PROJECT BACKGROUND</u></b></p> <p>The OWNER obtained assistance through the Alabama Department of Environmental Management (ADEM) Clean Water State Revolving Fund (CWSRF/ARPA-BIL) and a grant through the Appalachian Regional Commission (ARC) to make improvements to the sewer system.</p> <p><b><u>GENERAL (APPLIES TO LABOR AND MATERIAL CONTRACTS)</u></b></p> <ol style="list-style-type: none"> <li>1. Bid documents may be purchased only from Alabama Graphics online plan room (<a href="http://www.algraphicsplanroom.com">www.algraphicsplanroom.com</a>) or by calling (205) 252-8505.</li> <li>2. All bids must be submitted on the bid form provided in the Specifications and submitted in its entirety.</li> <li>3. All bids must be accompanied by Bid security made payable to OWNER in an amount not less than five percent (5%) of the total amount bid, but in no event more than Ten Thousand Dollars (\$10,000.00), and in the form of a certified or bank check or a Bid Bond on the form included in the Specifications.</li> <li>4. <b>Change Orders:</b> all change orders will be processed as outlined in the executed contracts. Only formally executed and approved change orders will be recognized. Line items for work to be performed are only estimated quantities. A summary change order to resolve actual</li> </ol>

quantities used is to be expected at project's end. Quantities to not exceed the bid line item without notification to the ENGINEER. All change orders must be approved by ADEM & ARC.

5. **Pay applications** to be submitted ON or BEFORE the 25<sup>th</sup> of each month to process for that month. If submitted AFTER the 25<sup>th</sup>, the invoice will be processed in the following month. **No invoices should ever be submitted to the Owner.**
6. **Release of Liens and American Iron and Steel Compliance** forms are required to be submitted with each pay application. American Iron and Steel requirements are listed in the contract specifications.
7. **MBE/WBE** – Bidders are reminded to review and abide by ADEM and ARC requirements to solicit bids from minority and women owned businesses should any subcontractors be used on the project. If no subcontractors are utilized, written notice to that effect is required on company letterhead.

### **SEWER SYSTEM IMPROVEMENTS LABOR CONTRACT**

1. The work consists of demolition of existing sewer lagoon infrastructure, dredging of municipal sewer sludge and disposal, installation of new electrical 3-phase power, installation of new headworks screening, lift station and generator, lagoon aeration/mixers, removal of existing lagoon curtains and installation of new lagoon curtains, nitrification, effluent pump station, metering, filters, and UV disinfection.
2. **The work is to be performed as described in SECTION 01 11 13 Summary of Work.**
3. At the time of the bid, each bidder must submit evidence of the bidder's Alabama Licensing Board for General Contractor's license with a major classification of MU (Municipal & Utility) or AGC approved classification. If bidder holds a license other than MU, bidder must provide proof of approval to bid this project from the AGC Board in writing prior to the bid opening. An email from the AGC Licensing Board is acceptable.
4. At the time of the bid, each bidder must submit a minimum of five (5) references and validation of performing similar size and type of municipal sewer system improvements. This information is to be included in bid package for review by OWNER and ENGINEER.
5. At the time of the bid, the bidding CONTRACTOR **must** provide proof of enrollment in the Alabama eVerify program and **must** continue to use eVerify to check employees as directed by the eVerify system. (including sub-contractors)
6. At the time of the bid, the bidding CONTRACTOR **must** provide proof of active registration with the System for Award Management (SAM) website.
7. At the time of the bid, the bidding CONTRACTOR **must** provide the Beason-Hammon Alabama Taxpayer and Citizen Protection Act Certification form.
8. The awarded CONTRACTOR **must not** be listed on the Federally Debarred list.
9. A **project sign** is required for this contract. Details for the sign can be found on page 36 of ADEM's Supplemental General Conditions within the specifications. The sign must be placed in a prominent location, easily readable from existing streets or roadway. An exact location will be determined at the pre-construction meeting.
10. **Davis Bacon Wages and Certified Payroll** – Davis Bacon posters to be posted at a prominent location at the job site (i.e. on project sign). Certified Payrolls forms (WH-347) are to be submitted for each and every week during the project and provided to the ENGINEER with each pay application.
11. **Salary Surveys** will be conducted by the ENGINEER. Onsite employee interviews will be

	<p>scheduled within two (2) weeks from the start of construction and again within two (2) weeks from completion.</p> <ol style="list-style-type: none"> <li>12. Construction progress schedule: CONTRACTOR is required to provide OWNER and ENGINEER with a projected schedule at the pre-construction conference.</li> <li>13. Progress meetings will be called as needed by the ENGINEER, OWNER, CONTRACTOR, ADEM or ARC.</li> <li>14. <b>Submittals</b> including cut sheets, drawings, or details of all material for the project to be provided to the ENGINEER for review and approval prior to ordering of any materials.</li> <li>15. CONTRACTOR may request approval from ENGINEER and OWNER to work Saturday and Sunday a minimum of 48 hours prior to weekend.</li> <li>16. <b>Weather Days</b> – ENGINEER to receive notification of any weather days. Any weather days to be used by the CONTRACTOR shall be communicated by the CONTRACTOR to the ENGINEER with the Weather Delay Report provided in the contract specifications. CONTRACTOR to provide Weather Delay report with each pay application. Weather days will not be processed at the end of the project.</li> </ol> <p><b><u>SEWER SYSTEM IMPROVEMENTS MATERIAL ONLY CONTRACT</u></b></p> <ol style="list-style-type: none"> <li>1. The contract consists of supplying materials for the sewer system (lagoon) improvements project.</li> <li>2. The OWNER reserves the right to choose one, all, a combination, or none of the items on the bid form from each potential bidder.</li> <li>3. Bidders shall include letters from the material and equipment manufacturers providing estimated lead times.</li> <li>4. If non-specified materials are proposed, Bidder must include pertinent material cut sheets/specifications to ENGINEER at least 5 business days prior to bid opening for review.</li> <li>5. The Material award will be evaluated on three factors: Price, Lead Time on Delivery, and Conformity to the individual specification sections.</li> <li>6. It is expected that the successful bidder(s) will maintain contact with the OWNER, during the progress of the work, on a regular basis (at least quarterly) through one of their representatives to provide services and/or technical assistance if needed.</li> <li>7. The delivery and storage of materials shall be coordinated with the OWNER, installing CONTRACTOR, and ENGINEER.</li> <li>8. This is a cost reimbursement contract; therefore, all invoices must be submitted <u>through the ENGINEER</u> then OWNER in the form of a Pay Request to ADEM and ARC. <b>No invoices should ever be mailed or emailed directly to the OWNER. It is the responsibility of the SUPPLIER to notify their accounts receivable department and make them aware of the invoicing process for this contract. Failure to do so will result in delayed reimbursement to the SUPPLIER.</b></li> <li>9. Work under this Contract shall be performed as described in SECTION 01 11 13 Summary of Work.</li> </ol>
6	<p>Construction plans and specifications are available at Alabama Graphics for reproduction cost, non-refundable.</p>

7	Every General Contractor <u>and every Subcontractor</u> should read and be familiar with all of the bid documents for this project.
8	Bids for the Sewer System Improvements Labor Contract will be received until <b>Tuesday, September 19, 2023, at 1:00 P.M. CST.</b> Bids for the Sewer System Improvements Material Contract will be received until <b>Tuesday, September 19, 2023, at 1:30 P.M. CST.</b>
9	<b>ALL</b> addenda shall be included in bid documents. At time of Pre-Bid, no addendums have been issued.
10	Submit <b>ALL</b> questions in writing to Bart Taft, P.E., and email to <a href="mailto:bart@kelleynetwork.com">bart@kelleynetwork.com</a> and to Jessica Mandrell, Project Manager, at <a href="mailto:jessica@kelleynetwork.com">jessica@kelleynetwork.com</a>

**Design / Construction Items**

1	Bid Bond NTE 5% (or \$10,000)
2	<p><b>Labor Contract - Time for Completion</b></p> <ul style="list-style-type: none"> <li>• One Hundred Eighty (180) calendar days for Substantial Completion</li> <li>• Two Hundred Ten (210) calendar days for Final Payment</li> <li>• Liquidated Damages - \$500/day</li> </ul> <p><b>Material Contract – Time for Completion</b></p> <ul style="list-style-type: none"> <li>• Contract times will be determined after the review of manufacturer letters submitted with the bid stating lead times for materials.</li> <li>• Liquidated Damages - \$500/day</li> </ul>
3	All questions and comments have been addressed in Addendum #1.

**END OF PRE-BID CONFERENCE MINUTES**





**SECTION 00 41 43  
BID FORM**

**Project Identification: Wedowee Sewer System Improvements (Material Only)  
CWSRF #CS010883-02 & CS010883-04; ARC #AL-20358-2021**

The contract consists of supplying materials for the sewer lagoon improvements project.

This Bid is Submitted to:

**Town of Wedowee  
24 Main Street  
Wedowee, Alabama 36278**

- 1.01 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Bidding Documents to provide all Materials as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.
- 2.01 The Bidder declares that he understands that when quantities of Materials for which unit price bids are requested are shown in the Advertisement Invitation for Bids, and in the Proposal, such quantities are approximate only and are subject to either increase or decrease, that, should the quantities of any of the Material items increase, the Bidder proposed to supply the additional Materials at the unit prices bid by him, that should the quantities of any of the Material items be decreased, payment will be made only for the actual quantities of Materials supplied and such payment will be based upon the unit prices bid by him, and that he shall make no claim for profits anticipated on the decrease in quantities of Materials.
- 3.01 Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of OWNER.
- 4.01 In submitting this Bid, Bidder represents, as set forth in the Agreement, that:
  - A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of all of which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____

- B. Bidder is aware of the general nature of materials to be supplied to the OWNER that relates to the Work as indicated in the Bidding Documents.

C. Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by ENGINEER is acceptable to Bidder.

D. The Bidding Documents are generally sufficient to indicate and convey an understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

5.01 Bidder further represents that this Bid is genuine and 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; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.

**6.01 The Material award will be evaluated on three factors:**

- a. **Price**
- b. **Lead Time on Delivery**
- c. **Conformity to the individual specification sections.**

**7.01 The OWNER reserves the right to choose one, all, a combination, or none of the items on the bid form from each potential bidder.**

8.01 Bidder will supply the Materials in accordance with the Contract Documents for the following price(s):

BASE BID						Equipment Vendor	Est. Lead Time From Manufacturer
Item #	ITEM	UNIT	QTY	Unit Price	Total Price		
1	Furnish New Vertical Cylindrical Micro-Screen Headworks, Screenings Hopper and Bag System, Associated Piping, Screen Basket, Screenings Conveyor and Screenings Dewatering Press, Drive Assembly, Dewatering Chamber Flush Water System, Screen Support System, Fully Automatic Control System, Liquid Level Control, Anchor Bolts, and Spare parts as described in Section 46 21 24 and noted on the plan set.	LS	1				
2	Furnish New Pre-Engineered, Factory-Built, Automatically Controlled Above Ground Valved Packaged Duplex Pump Station with Submersible Pumps as described in Section 22 13 42 Duplex Pump Station and noted on the plan set.	LS	1				

BASE BID						Equipment Vendor	Est. Lead Time From Manufacturer
Item #	ITEM	UNIT	QTY	Unit Price	Total Price		
3	Furnish One (1) 6' x 560' Floating Baffle Curtain and One (1) 6' x 500' Floating Baffle Curtain as described in Section 46 60 01 Lagoon Wastewater Treatment Equipment System and noted on plan set.	LF	1,060				
4	Furnish Seven (7) 8' x 35' x 35' Floating Baffle Curtains enclosing the Bioflos units and the Lagoon Outfall Structure, as described in Section 46 60 01 Lagoon Wastewater Treatment Equipment System and noted on the plan set.	EA	7				
5	Furnish Eight (8) 20Hp Electric Horizontal-Rotor Floating Aerators including, but not limited to, Electric Motor, Gear Reducer, Flotation Devices, Mainframe, Cradle Frame, Adjusting Linkage Anchoring System, Control Panels, and Access Systems, Spare Parts and Disconnects as described in Section 46 60 01 Lagoon Wastewater Treatment Equipment System and noted on plan set.	EA	8				
6	Furnish Six (6) 10-HP Electric Floating Biofilm Nitrification Rotor Assemblies including but not limited to Electric Motor, Variable Frequency Drive, Rotor Assemblies, Gear Reducer, Power Cord, Flotation Devices, Mainframe, Cradle Frame, Adjusting Linkage, Anchoring System, Wiring, Control Panel, Disconnect, Drive Assemblies, Shield, Motor Covers, Spare Parts and Access Systems as described in Section 46 60 01 Lagoon Wastewater Treatment Equipment System and noted on the plan set.	EA	6				

BASE BID						Equipment Vendor	Est. Lead Time From Manufacturer
Item #	ITEM	UNIT	QTY	Unit Price	Total Price		
7	Furnish Two (2) New Submersible Effluent Pumps Including but not Limited to: Pumps, VFDs, Stainless-Steel Guiderails, Anchor Bolts, Lifting Hoist, Stainless- Steel Lifting Chain with Intermediate Links and all Associated Hardware, Base Elbow, Liquid Level Control, Valves, Internal Piping, and Pressure Gauges, Riser Pipe, Run-Time Meter for each Pump, and a Complete Factory Built Motor Control Center with Circuit Breakers, Motor Starters as described in Section 33 32 11 Field Erected Wastewater Pumping Station and noted on plan set.	EA	2				
8	Furnish Flanged Electromagnetic Flowmeter including but not limited to, Wiring, Grounding Rings, Internal Ground Electrodes, Microprocessor Converter /Transmitter with Non-Volatile Memory to retain Programmable Data and Totalized Values, Rechargeable Battery Backup and Charger, USB Cable and Micro SD Cards, Concrete Vault as described in Section 40 71 12 Electromagnetic Flow Meter and noted on plan set.	LS	1				
9	Furnish Cloth Filter Disk Assembly, including but not limited to Filter Tank, Filter Disks, Support Frame Rotating Backwash Assembly, Swivel Joints, Drive Mechanism, Control Panel, Backwash Pumps, Automatic Backwash Control Valves, Electrical Disconnect, Manual Isolation Valves, Filter Cover and Spare Parts and Associated Piping as described in Section 46 61 42 Cloth Media Disk Filter and noted on plan set.	LS	1				

BASE BID						Equipment Vendor	Est. Lead Time From Manufacturer
Item #	ITEM	UNIT	QTY	Unit Price	Total Price		
10	Furnish a Complete In-Line Pipe Flanged, Low Pressure, High Intensity (LPHO) Ultraviolet (UV) Non-Contact Disinfection System Assembly and Associated Piping, Spare Parts, Complete with Power Enclosures, Power Distribution and System Controls as described in Section 46 66 53 Non-Contact Ultraviolet Disinfection Equipment and noted on plan set.	LS	1				
<b>Total Base Bid:</b>							

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

9.01 Bidder agrees that the bid prices are firm for the initial term of the contract. The initial term of the contract shall be for a one (1) year period from the date bids are received.

10.01 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the times specified above, which shall be stated in the Agreement.

11.01 The following documents are attached to and made a condition of this Bid:

A. Required Bid security in an amount no less than 5% of the total bid price but in no event more than ten thousand dollars, or the form of the bid bond provided in this Project Manual.

12.01 The terms used in this Bid with initial capital letters have the meanings indicated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

SUBMITTED on \_\_\_\_\_, 20\_\_\_\_\_.

If Bidder is:

An Individual

Name (typed or printed): \_\_\_\_\_

By: \_\_\_\_\_ (SEAL)  
*(Individual's signature)*

Doing business as: \_\_\_\_\_

Business address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Email: \_\_\_\_\_

A Partnership

Partnership Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
*(Signature of general partner -- attach evidence of authority to sign)*

Name (typed or printed): \_\_\_\_\_

Business address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Email: \_\_\_\_\_

A Corporation

Corporation Name: \_\_\_\_\_ (SEAL)

State of Incorporation: \_\_\_\_\_

Type (General Business, Professional, Service, Limited Liability): \_\_\_\_\_

By: \_\_\_\_\_

*(Signature -- attach evidence of authority to sign)*

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

(CORPORATE SEAL)

Attest \_\_\_\_\_

*(Signature of Corporate Secretary)*

Business address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Email: \_\_\_\_\_

Date of Qualification to do business is \_\_\_\_\_.



A Joint Venture

Joint Venturer Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
*(Signature of joint venture partner -- attach evidence of authority to sign)*

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

Business address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Joint Venturer Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
*(Signature -- attach evidence of authority to sign)*

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

Business address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Email: \_\_\_\_\_

Phone and FAX Number, and Address for receipt of official communications:

\_\_\_\_\_

\_\_\_\_\_

**SECTION 00 41 43  
BID FORM**

Project Identification: **Wedowee Sewer System Improvements**  
**CWSRF #CS010883-02 & CS010883-04; ARC #AL-20358-2021**

The project consists of demolition of existing sewer lagoon infrastructure, dredging of municipal sewer sludge and disposal, installation of new electrical 3 phase power, installation of new headworks screening, lift station and generator, lagoon aeration/mixers, removal of existing lagoon curtains and installation of new lagoon curtains, nitrification, effluent pumpstation, metering, filters, and UV disinfection.

This Bid is Submitted to:

**Town of Wedowee**  
**24 Main Street**  
**Wedowee, Alabama 36278**

- 1.01 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.
- 2.01 The Bidder declares that he understands that when quantities of Work for which unit price bids are requested are shown in the Advertisement Invitation for Bids, and in the Proposal, such quantities are approximate only and are subject to either increase or decrease, that, should the quantities of any of the Work items increase, the Bidder proposed to perform the additional Work at the unit prices bid by him, that should the quantities of any of the Work items be decreased, payment will be made only for the actual quantities of Work performed and such payment will be based upon the unit prices bid by him, and that he shall make no claim for profits anticipated on the decrease in quantities of Work. Actual quantities will be paid for as the Work progresses, in accordance with the provisions of the Contract Agreement, and such quantities shall be subject to final measurements and determinations made upon completion of the Work.
- 3.01 Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The Bid will remain subject to acceptance for 60 days after the Bid opening or for such a longer period of time that Bidder may agree to in writing upon request of OWNER.
- 4.01 In submitting this Bid, Bidder represents, as set forth in the Agreement, that:
  - A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of all of which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect the cost, progress, and performance of the Work.
  - C. Bidder is familiar with and is satisfied with all federal, state, and local Laws and Regulations that may affect the cost, progress, and performance of the Work.
  - D. Bidder has carefully studied all the following if supplied: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in the Supplementary Conditions as provided in paragraph 4.02 of the General Conditions, and (2) reports and drawings of a Hazardous Environmental Condition, if any, which has been identified in the Supplementary Conditions as provided in paragraph 4.06 of the General Conditions.
  - E. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder, and safety precautions and programs incident thereto.
  - F. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for the performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
  - G. Bidder is aware of the general nature of work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Bidding Documents.
  - H. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.
  - I. Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by ENGINEER is acceptable to Bidder.
  - J. The Bidding Documents are generally sufficient to indicate and convey an understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- 5.01 Bidder further represents that this Bid is genuine and 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; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or

induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.

6.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

<b>BASE BID</b>					
<b>Item #</b>	<b>ITEM</b>	<b>UNIT</b>	<b>QTY</b>	<b>Unit Price</b>	<b>Total Price</b>
1	Mobilization including, but not limited to, insurance, bonds, permits, submittals, existing site documentation, and site cleanup (Limited to 4% of the construction total)	LS	1		
2	Demobilization (Limited to 2% of the construction total)	LS	1		
3	Dredging of Sewer Lagoon, including but not limited to, providing all Sludge Pumps; Polymer Makeup Tank, Dosing Pumps, Piping, Geomembrane Bags, Erosion Control; Dry Cake Transportation to Licensed Landfill; Sludge Testing of metals levels for Landfill Disposal; Removal of all Dredging Equipment and Restoring Workplace back into Original Condition.	LS	1		
4	Demolition of Existing Recycle Educator Pumps, Piping, and associated Electrical (Pumps to remain in possession of the Owner and to be transported and offloaded with proper storage at the location selected and as directed by the Owner); Demolition, Removal, and Disposal of Existing 553 LF & 482 LF of Lagoon Curtains and Cabling (Existing end anchors may remain in place); Demolition, Removal, and Disposal of Existing V-notch Weir; Demolition, Removal, and Disposal of Existing Effluent Pumps, Base, Rails, Riser Piping, and Electrical System; Demolition, Removal, and Disposal of Existing Chlorination and Dechlorination System; Abandonment of related effluent piping. Removal of Existing 300 LF of Fencing at each Lagoon Levee Extension.	LS	1		
5	Install New Vertical Cylindrical Micro-Screen Headworks with Screenings Discharge, Vector Control Bag Containment System, Roll Off Hopper, Return Drain to Lagoon, Concrete Pad, Manhole, Associated Piping, Control Panel, Disconnect, and Electrical Connections to make complete the Headworks Screening system at the manufacturer's direction.	LS	1		

**BASE BID**

Item #	ITEM	UNIT	QTY	Unit Price	Total Price
6	<p>Furnish and Install New Fencing at each Lagoon Levee Extension; Install New Package Influent Sewage Lift Station with Polymer Wet Well, Associated Piping, and Electrical Connections to make complete the Influent Sewage Lift Station at the manufacturer’s direction; Install One (1) 6’ x 560’ Floating Baffle Curtain and One (1) 6’ x 500’ Floating Baffle Curtain as described in Section 46 60 01 Lagoon Wastewater Treatment Equipment System and noted on the plan set., including but not limited to, baffle curtain, floats, cables, concrete anchors, anchor posts and cabling; Install Seven (7) 8’ x 35’ x 35’ Floating Baffle Curtains enclosing the Floating Nitrification Rotors and the Lagoon Outfall Structure, as described in Section 46 60 01 Lagoon Wastewater Treatment Equipment System and noted on the plan set, including but not limited to, baffle curtain, floats, cables, concrete anchors, anchor posts and cabling; Install Eight (8) 20Hp Horizontal Rotor Floating Aerators, including Disconnects, Control Panel, Anchoring and Install Erosion Protection Rip-Rap and Electrical Connections to make a complete aeration/mixing system at the manufacturer’s direction; Install Six (6) 10Hp Floating Nitrification Rotors, Control Panels, Disconnects, Electrical, and Bioflos Curtains with anchoring to make a complete Nitrification system at the manufacturer’s direction; Furnish all Labor and Materials to Install New 60° V-Notch Weir at the Effluent Structure. Re-calibrate the existing Greyline Flow Meter and transducer to accurately read flow through the new 60-degree v-notch weir; Install Two (2) New Effluent Pumps in the Lagoon Effluent Structure, including but not limited to Bypass Pumping Base and Anchors, Quick Connect Flange, Stainless Rails, Riser Piping, Lifting Chain, Level Sensor, Electrical Control Panel, Disconnect, and Wiring, and Hoist to make complete the New Effluent Lift Station system at the manufacturer’s direction; Install Electromagnetic Flowmeter with Grounding Rings, HMI Totalizer with non-volatile memory, and Vault with Aluminum Hatch, including but not limited to associated fittings, pipe stands, valves, electrical, piping, excavation, and grading to make complete the effluent flow measurement system; Coordinate with Alabama Power for relocation of existing and installation of all new wiring and poles for infrastructure required to provide 3-Phase Power around the Lagoon with power drops as described in the electrical sections of these specifications to all Process Equipment, including but not limited to Headworks Micro Screens, Influent Lift Station, 20 HP Aeration/Mixers, 10 HP Nitrification Rotors, Effluent Pump, Cloth Disk Filter, and UV Disinfection Equipment; Reconnect Existing Outfall Line to New UV Disinfection System, including but not limited to By-Pass Pumping, all required Piping and Fittings; Furnish and Install all Piping, Valves, and Connections to construct Potable Wash Down Water piping and install (1) Frost Proof Yard Hydrant at Headworks Screening &amp; Influent Lift Station, as shown on the plans; Furnish and Install Temporary Erosion Control, including but not limited to silt fencing, stakes, hay bales, straw wattles, stilling basins, etc.; Furnish and Install Seeding and Grassing for Permanent Erosion Control.</p>	LS	1		

BASE BID					
Item #	ITEM	UNIT	QTY	Unit Price	Total Price
7	Install Cloth Disk Filter Assembly and Associated Fittings and Piping, Concrete Pad, (1) Frost Proof Yard Hydrant at the Cloth Disk Filter, Electrical Connections, and Disconnect to make complete the Cloth Disk Filter system at the manufacturer's direction.	LS	1		
8	Install Ultraviolet Disinfection Assembly, including but not limited to Concrete Pad, Associated Piping and fittings, Control Panel and Disconnect, and Electrical Connections to make a complete and operational UV Disinfection System at the manufacturer's direction.	LS	1		
9	Hauling, Installation, and Construction of all Fill Material and Providing all Equipment and Labor to Construct the Headworks Screening, New Lift Station, and Generator Set Pad Extension to the Lagoon Levee, including but not limited to, Compaction, Grading, and Erosion Control.	CY	435		
10	Hauling, Installation, and Construction of all Fill Material and Providing all Equipment and Labor to Construct the Cloth Disk Filter and U.V. Disinfection Pad Extension to the Lagoon Levee, including but not limited to, Compaction, Grading, and Erosion Control.	CY	290		
11	Allowance for Replacement of Existing Creek Ford Entrance following Construction, as required.	LS	1	\$50,000.00	\$50,000.00
12	Furnish and Install Backup Generator, Automatic Transfer Switch, and related appurtenances per Electrical Plans and Specifications.	LS	1		
<b>Total Base Bid:</b>					

Unit Prices have been computed in accordance with paragraph 11.03.B of the General Conditions.

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

8.01 Bidder agrees that the Work will be substantially complete within **180** calendar days after the date when the Contract Times commence to run as provided in paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with paragraph 14.07.B of the General Conditions within **210** calendar days after the date when the Contract Times commence to run.

9.01 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the times specified above, which shall be stated in the Agreement.

**10.01 Bidder will submit with his bid package references stating his qualifications to perform the work required and provide a minimum of five (5) references and validation of performing similar size and type of municipal sewer system improvements.**

11.01 The following documents are attached to and made a condition of this Bid:

- A. Required Bid security in the amount of 5% of the bid price or the form of the bid bond provided in this Project Manual; and
- B. A tabulation of Subcontractors, Suppliers and other individuals and entities required to be identified in this Bid; and
- C. Required bidder qualifications statement with supporting data as detailed in the Instruction to Bidders.

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

SUBMITTED on \_\_\_\_\_, 20\_\_\_\_\_.

If Bidder is:

An Individual

Name (typed or printed): \_\_\_\_\_

By: \_\_\_\_\_ (SEAL)  
*(Individual's signature)*

Doing business as: \_\_\_\_\_

Business address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Email: \_\_\_\_\_

A Partnership

Partnership Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
*(Signature of general partner -- attach evidence of authority to sign)*

Name (typed or printed): \_\_\_\_\_

Business address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Email: \_\_\_\_\_



A Corporation

Corporation Name: \_\_\_\_\_ (SEAL)

State of Incorporation: \_\_\_\_\_

Type (General Business, Professional, Service, Limited Liability): \_\_\_\_\_

By: \_\_\_\_\_  
*(Signature -- attach evidence of authority to sign)*

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_ (CORPORATE SEAL)

Attest \_\_\_\_\_  
*(Signature of Corporate Secretary)*

Business address: \_\_\_\_\_  
\_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Email: \_\_\_\_\_

Date of Qualification to do business is \_\_\_\_\_.

A Joint Venture

Joint Venturer Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
*(Signature of joint venture partner -- attach evidence of authority to sign)*

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

Business address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Joint Venturer Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
*(Signature -- attach evidence of authority to sign)*

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

Business address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Email: \_\_\_\_\_

Phone and FAX Number, and Address for receipt of official communications:

\_\_\_\_\_

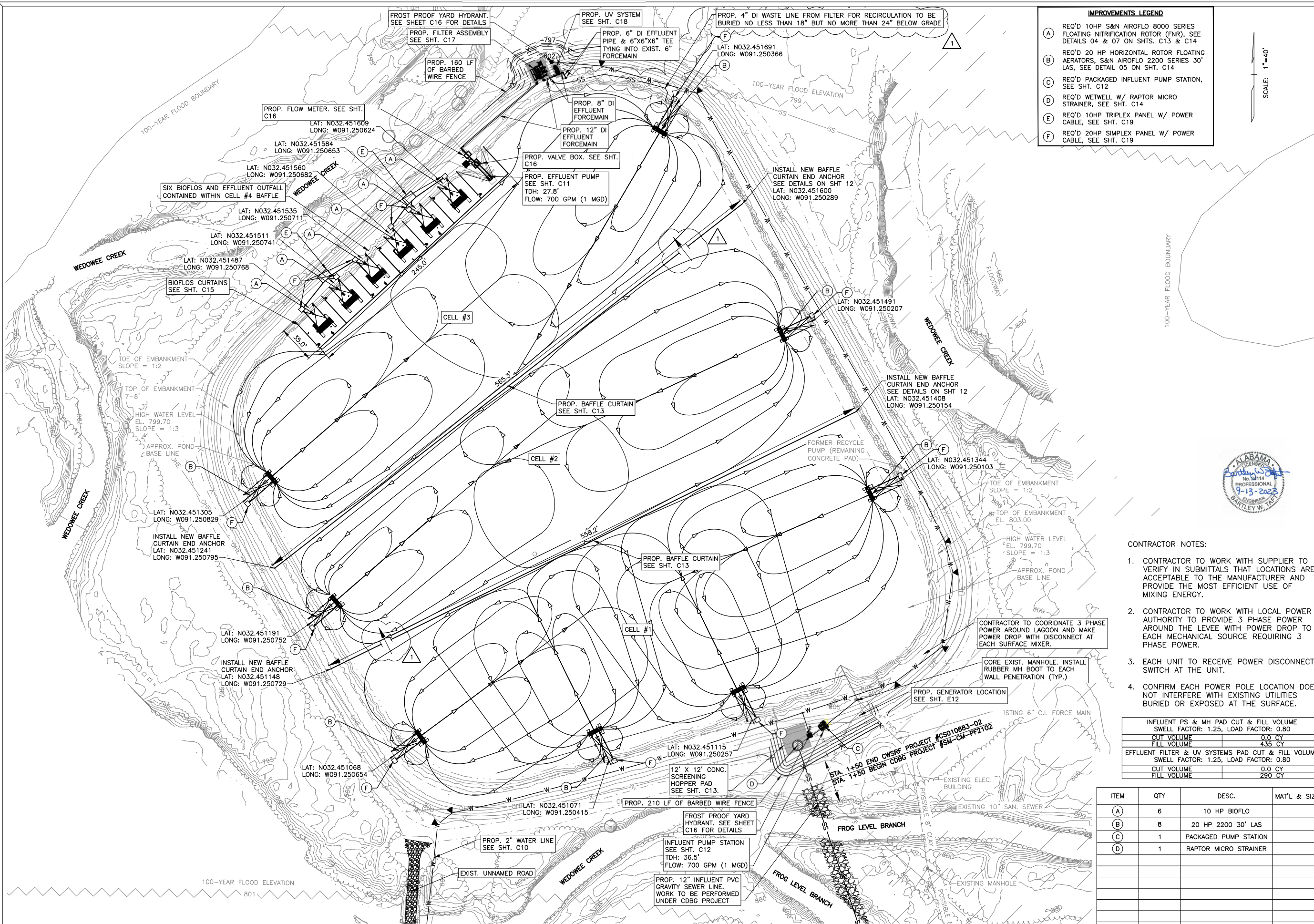
\_\_\_\_\_

2.06 PUMP DESIGN

- A. The manufacturer of the pumps must be certified to ISO 9001 by an accredited certification agency.
- B. Pump performance criteria for each pump subject station are as follows:

Primary design condition:	700 GPM @ 43.3' TDH
Hydraulic efficiency:	65.84%
Secondary design condition:	1000 GPM @ 36' TDH
Hydraulic efficiency:	57%
Minimum shutoff head:	77.5'
Minimum motor size	15 HP
Motor Speed	1760 RPM (nominal)
Impeller type/design	Semi-open mixed flow solids handling
Minimum sphere size	3" diameter
EBARA Model:	100DLMKFU611
Station piping size	6"

- C. Station piping size noted above refers to the size of the discharge piping and valves located within the pump station enclosure, as specified elsewhere herein. Where base elbow sizing varies from the specified sizing, the pump station manufacturer shall be responsible for providing any increasing fittings as required to adapt to the station piping size shown and shall coordinate the location of the base elbows and increaser fittings in the wet well to provide proper fit.
- D. All exposed bolts and nuts shall be AISI 304 stainless steel. Mating surfaces of major components shall be machined and fitted with nitrile Buna rubber O-rings where watertight sealing is required. Machining and fitting shall be such that sealing is accomplished by the automatic compression of O-rings in two (2) planes, ensuring that O-ring contact is made on four (4) surfaces without the requirement of specific torque limits for compression.
- E. The pump casing shall be manufactured of ASTM A-48 Class 30 gray iron and shall be centerline discharge with a large radius on the cut-water to prevent clogging. The casing shall be provided with an integral 125# discharge flange. The pump casing shall be easily removable for full inspection of impeller. All pump openings and passages shall be of adequate size to pass minimum 3" diameter spherical solids and any trash or stringy material which can pass through an average house collection system.
- F. Pump impellers shall be a mixed flow multi-vane semi-open design, fabricated of ASTM A-48 Class 30 gray iron, and shall be dynamically balanced. Balancing shall not deform or weaken the impeller. Impellers shall be designed for solids handling service with a long thrulet, without acute turns. The inlet edge of the impeller vanes shall be angled toward the impeller periphery so as to facilitate the release of objects that might tend to otherwise clog the pump.



LAGOON PLAN  
SCALE: 1" = 40'

**IMPROVEMENTS LEGEND**

(A)	REQ'D 10HP S&N AROFLO 8000 SERIES FLOATING NITRIFICATION ROTOR (FNR). SEE DETAILS 04 & 07 ON SHTS. C13 & C14
(B)	REQ'D 20 HP HORIZONTAL ROTOR FLOATING AERATORS, S&N AROFLO 2200 SERIES 30' LAS, SEE DETAIL 05 ON SHT. C14
(C)	REQ'D PACKAGED INFLUENT PUMP STATION, SEE SHT. C12
(D)	REQ'D WETWELL W/ RAPTOR MICRO STRAINER, SEE SHT. C14
(E)	REQ'D 10HP TRIPLEX PANEL W/ POWER CABLE, SEE SHT. C19
(F)	REQ'D 20HP SIMPLEX PANEL W/ POWER CABLE, SEE SHT. C19

SCALE: 1" = 40'

**REVISIONS**

#	DATE	DESCRIPTION
1	09/13/23	ADDENDUM 1 CHANGES/ADDITIONS
2		
3		
4		
5		
6		

**LAGOON OVERALL PLAN PROPOSED  
WEDOWEE SEWER SYSTEM IMPROVEMENTS  
WEDOWEE WATER, SEWER, & GAS BOARD  
TOWN OF WEDOWEE  
RANDOLPH COUNTY, ALABAMA**



**CONTRACTOR NOTES:**

- CONTRACTOR TO WORK WITH SUPPLIER TO VERIFY IN SUBMITTALS THAT LOCATIONS ARE ACCEPTABLE TO THE MANUFACTURER AND PROVIDE THE MOST EFFICIENT USE OF MIXING ENERGY.
- CONTRACTOR TO WORK WITH LOCAL POWER AUTHORITY TO PROVIDE 3 PHASE POWER AROUND THE LEVEE WITH POWER DROP TO EACH MECHANICAL SOURCE REQUIRING 3 PHASE POWER.
- EACH UNIT TO RECEIVE POWER DISCONNECT SWITCH AT THE UNIT.
- CONFIRM EACH POWER POLE LOCATION DOES NOT INTERFERE WITH EXISTING UTILITIES BURIED OR EXPOSED AT THE SURFACE.

INFLUENT PS & MH PAD CUT & FILL VOLUME	
SWELL FACTOR: 1.25, LOAD FACTOR: 0.80	
CUT VOLUME	0.0 CY
FILL VOLUME	435 CY
EFFLUENT FILTER & UV SYSTEMS PAD CUT & FILL VOLUME	
SWELL FACTOR: 1.25, LOAD FACTOR: 0.80	
CUT VOLUME	0.0 CY
FILL VOLUME	290 CY

ITEM	QTY	DESC.	MAT'L & SIZE
(A)	6	10 HP BIOFLO	
(B)	8	20 HP 2200 30' LAS	
(C)	1	PACKAGED PUMP STATION	
(D)	1	RAPTOR MICRO STRAINER	

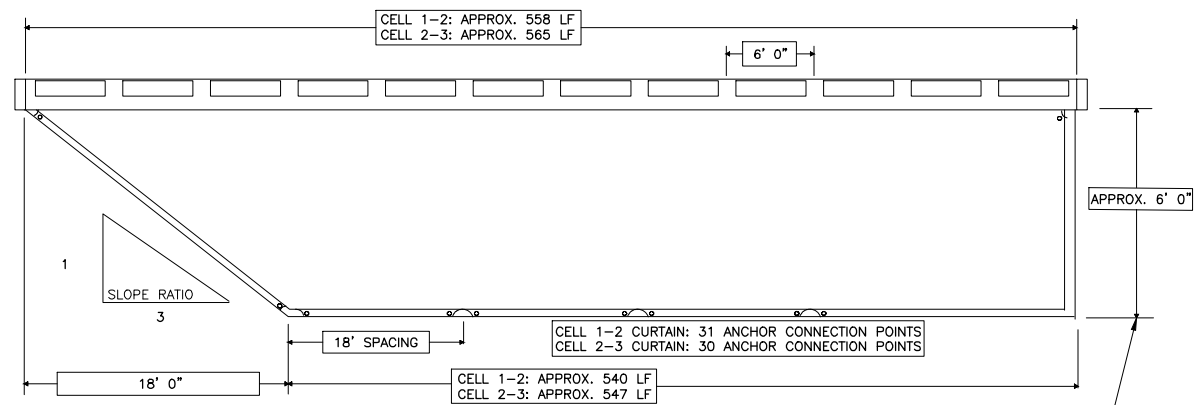
**THE KELLEY GROUP**  
A CIVIL ENGINEERING COMPANY  
850 Corporate Pkwy, Suite 104  
Birmingham, Alabama 35242  
301 N. Dickson St.  
Tusculum, AL 35674

ATTENTION:  
THIS BAR = 1 INCH ON ORIGINAL DRAWING.  
ADJUST SCALE IF THIS BAR = 1 INCH.

PROJECT NO: 20-0016  
DRAWN BY: TCW  
CHECKED BY: BWT  
SCALE: AS NOTED  
DATE: 09/2023

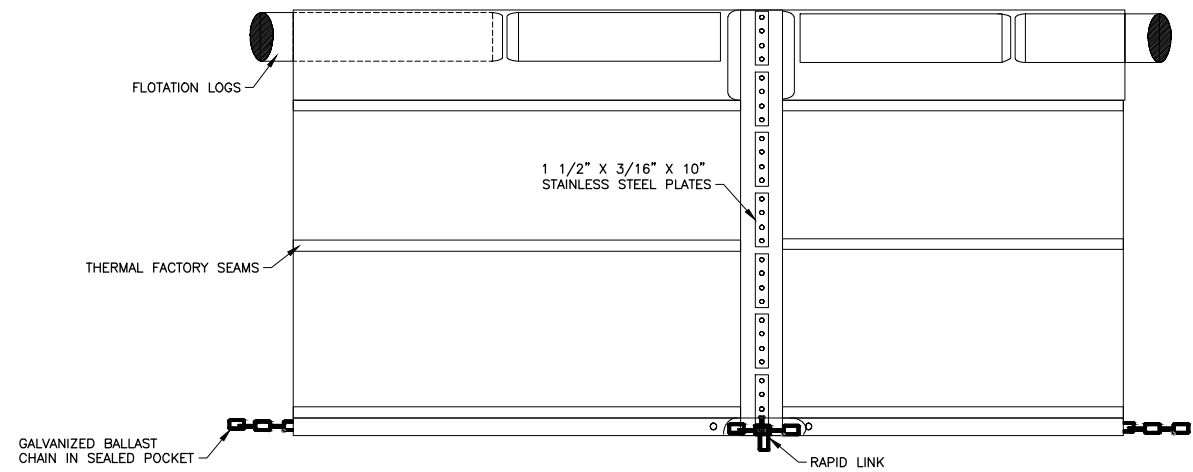
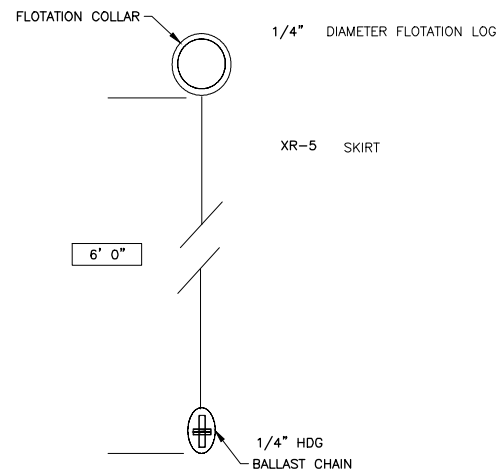
SHEET NO. **9**



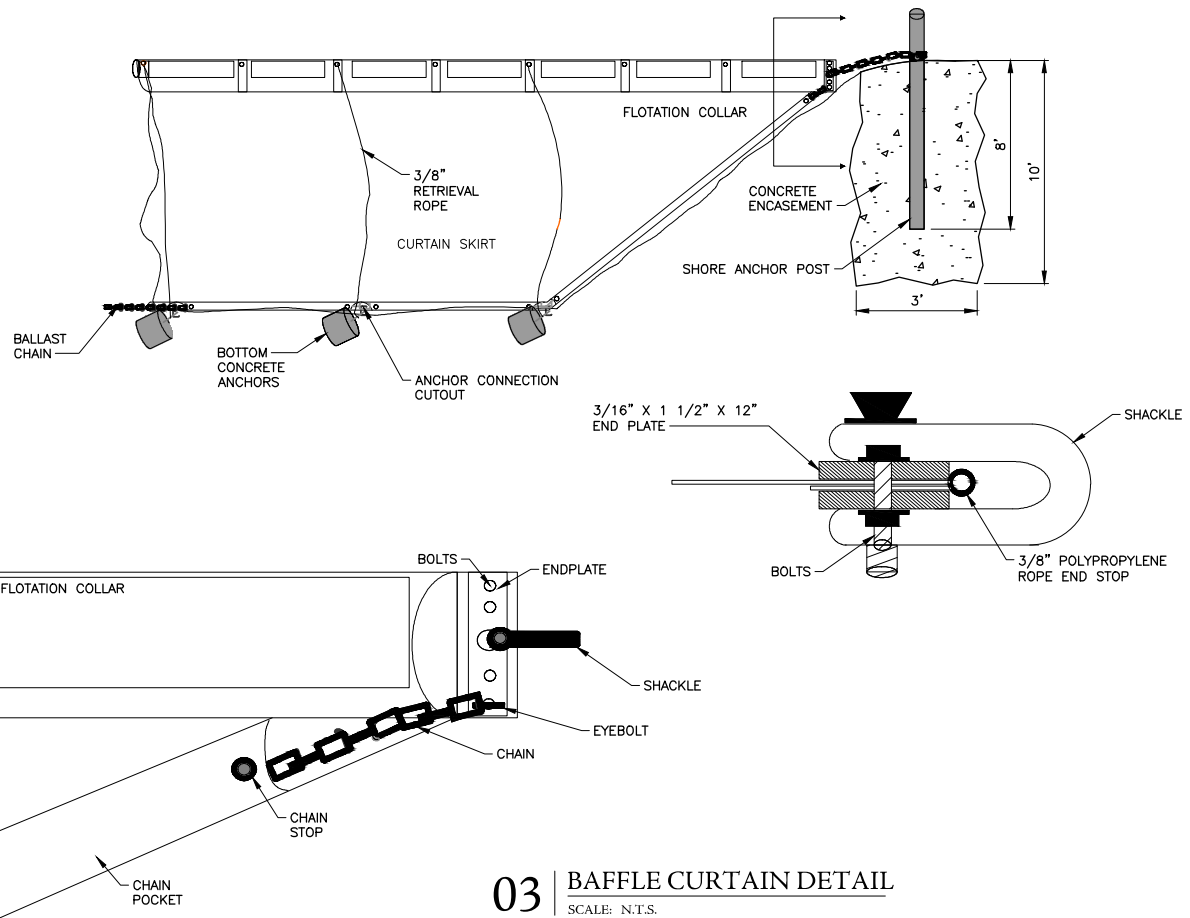


ELEVATION OF LAGOON FLOOR VARIES. CONTRACTOR TO ACCOMMODATE VARIANCE WHEN ORDERING BAFFLE CURTAINS.

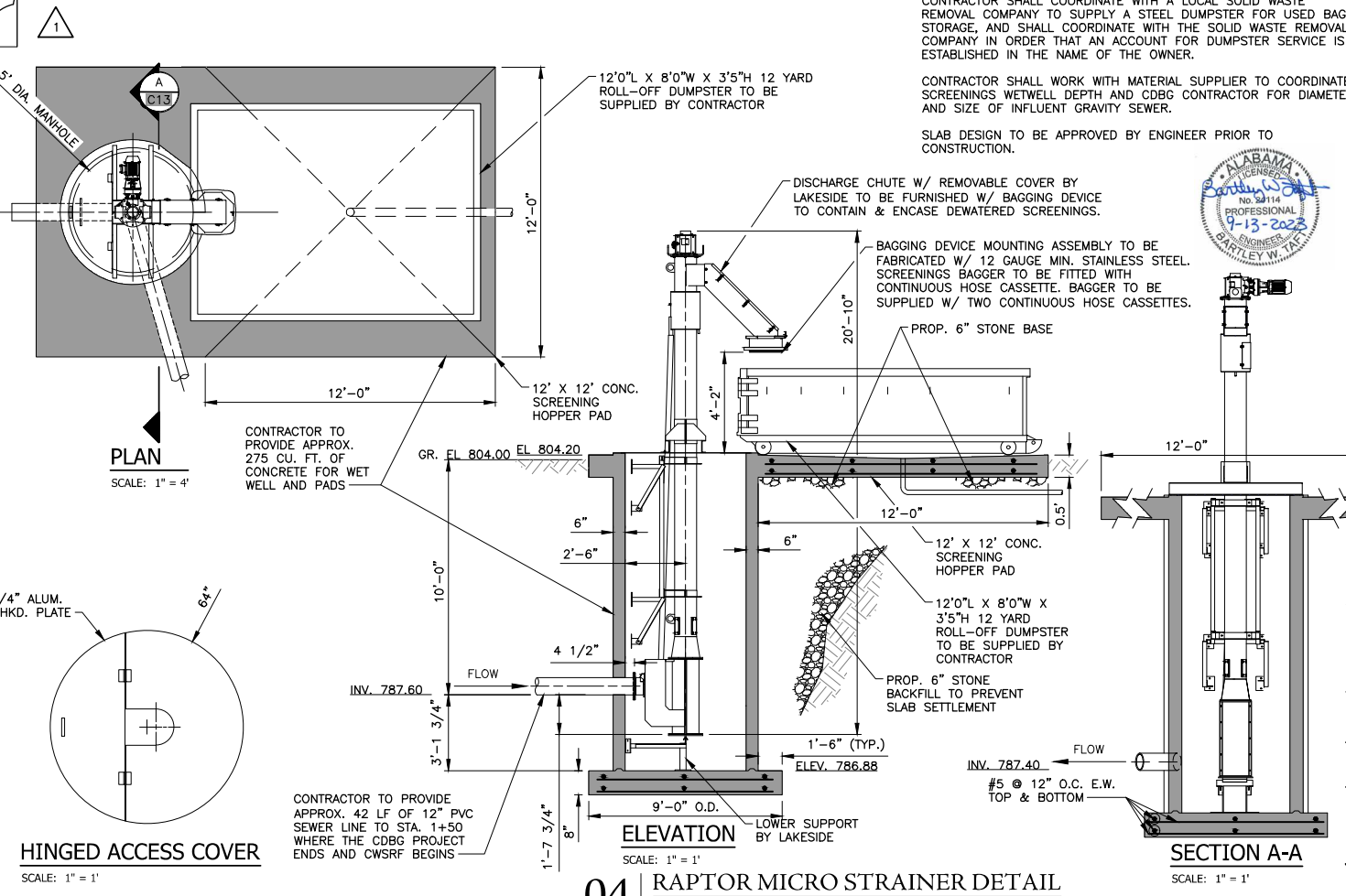
**01** BAFFLE CURTAIN LAYOUT DETAIL  
SCALE: N.T.S.



**02** BAFFLE CURTAIN CONNECTION DETAIL  
SCALE: N.T.S.



**03** BAFFLE CURTAIN DETAIL  
SCALE: N.T.S.



**04** RAPTOR MICRO STRAINER DETAIL  
SCALE: N.T.S.

NOTE: CONTRACTOR SHALL COORDINATE WITH A LOCAL SOLID WASTE REMOVAL COMPANY TO SUPPLY A STEEL DUMPSTER FOR USED BAG STORAGE, AND SHALL COORDINATE WITH THE SOLID WASTE REMOVAL COMPANY IN ORDER THAT AN ACCOUNT FOR DUMPSTER SERVICE IS ESTABLISHED IN THE NAME OF THE OWNER.

CONTRACTOR SHALL WORK WITH MATERIAL SUPPLIER TO COORDINATE SCREENINGS WETWELL DEPTH AND CDBG CONTRACTOR FOR DIAMETER AND SIZE OF INFLUENT GRAVITY SEWER.

SLAB DESIGN TO BE APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.



NO.	REVISIONS	DATE	BY
1	ADDITION 1 CHANGES/ADDITIONS	09/13/23	TCW
2			
3			
4			
5			
6			

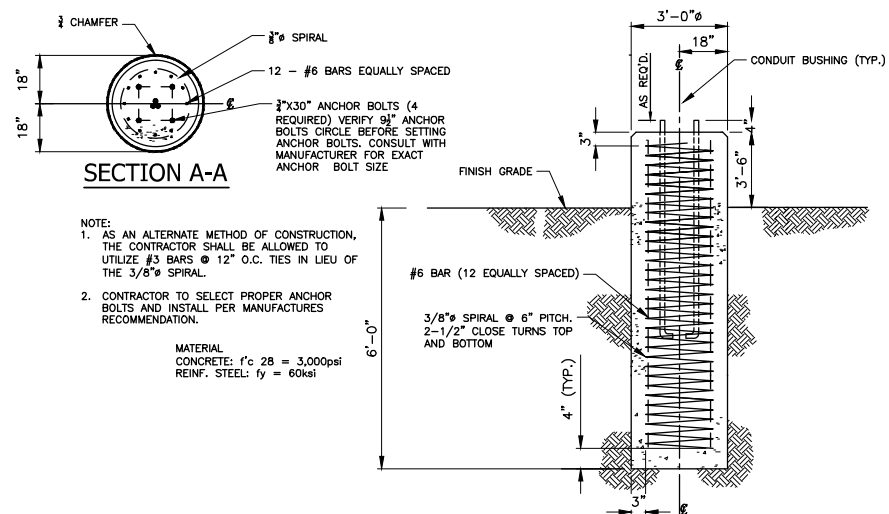
STANDARD DETAILS  
WEDOWEE SEWER SYSTEM IMPROVEMENTS  
WEDOWEE WATER, SEWER, & GAS BOARD  
TOWN OF WEDOWEE  
RANDOLPH COUNTY, ALABAMA

**THE KELLEYS GROUP**  
A CIVIL ENGINEERING COMPANY  
850 Corporate Pkwy, Suite 104  
Birmingham, Alabama 35242  
301 N. Dickson St.  
Tusculum, AL 35674

ATTENTION: THIS BAR = 1 INCH ON ORIGINAL DRAWING. ADJUST SCALE IF THIS BAR = 1 INCH.

PROJECT NO: 20-0016  
DRAWN BY: TCW  
CHECKED BY: BWT  
SCALE: AS NOTED  
DATE: 09/2023

SHEET NO.  
**C13**

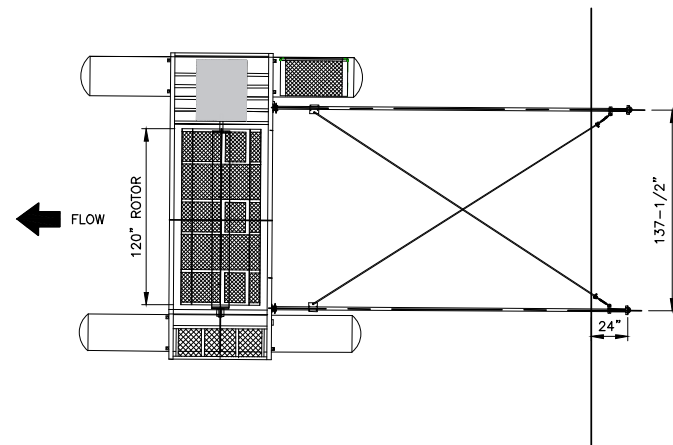


**SECTION A-A**

NOTE:  
 1. AS AN ALTERNATE METHOD OF CONSTRUCTION, THE CONTRACTOR SHALL BE ALLOWED TO UTILIZE #3 BARS @ 12" O.C. TIES IN LIEU OF THE 3/8" SPIRAL.  
 2. CONTRACTOR TO SELECT PROPER ANCHOR BOLTS AND INSTALL PER MANUFACTURER'S RECOMMENDATION.

MATERIAL  
 CONCRETE: f'c 28 = 3,000psi  
 REINF. STEEL: fy = 60ksi

**06** PUMP HOIST FOOTING DETAIL  
 SCALE: N.T.S.



**07** 10HP BIOFLO - 10 FT. ROTOR  
 20' LAS ANCHORING PLAN VIEW  
 SCALE: 1" = 5'

**BIOFLO INSTALLATION:**

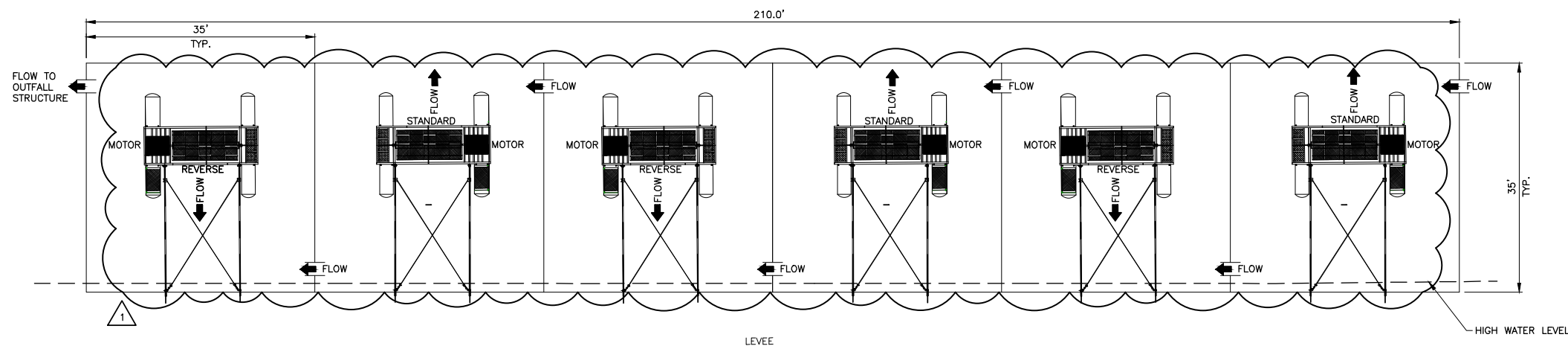
STANDARD ROTATION LEVEE MOUNT:  
 FROM THE LEVEE THE MOTOR SIDE IS TO THE RIGHT. TURN BUCKLE HAS TO BE ON THE DISCHARGE(FLOW) SIDE OF THE UNIT.

NOTE: TO CHANGE FROM STANDARD ROTATION TO REVERSE ROTATION YOU CAN NOT DO SO BY CHANGING JUST THE MOTOR ROTATION.

REVERSE ROTATION LEVEE MOUNT:  
 TO REVERSE THE FLOW OF THE UNIT THE ENTIRE UNIT MUST BE TURNED AROUND WHERE THE MOTOR IS TO THE LEFT SIDE. TURN BUCKLE HAS TO BE ON THE DISCHARGE(FLOW) SIDE OF THE UNIT.

NOTE: THE UNIT RUNNING IN WRONG ROTATION WILL CAUSE BELT TO SLIP.

SAFETY NOTE: MOTOR COVER IS TO BE CHAINED OFF WHEN SERVICING TO PREVENT ACCIDENTAL CLOSING OF HOOD.



**08** 10HP BIOFLO TYPICAL LAYOUT VIEW  
 SCALE: 1" = 10'

REVISIONS		DATE	BY
1	ADDENDUM 1 CHANGES/ADDITIONS	09/13/23	TCW
2			
3			
4			
5			
6			

STANDARD DETAILS  
 WEDOWEE SEWER SYSTEM IMPROVEMENTS  
 WEDOWEE WATER, SEWER, & GAS BOARD  
 TOWN OF WEDOWEE  
 RANDOLPH COUNTY, ALABAMA

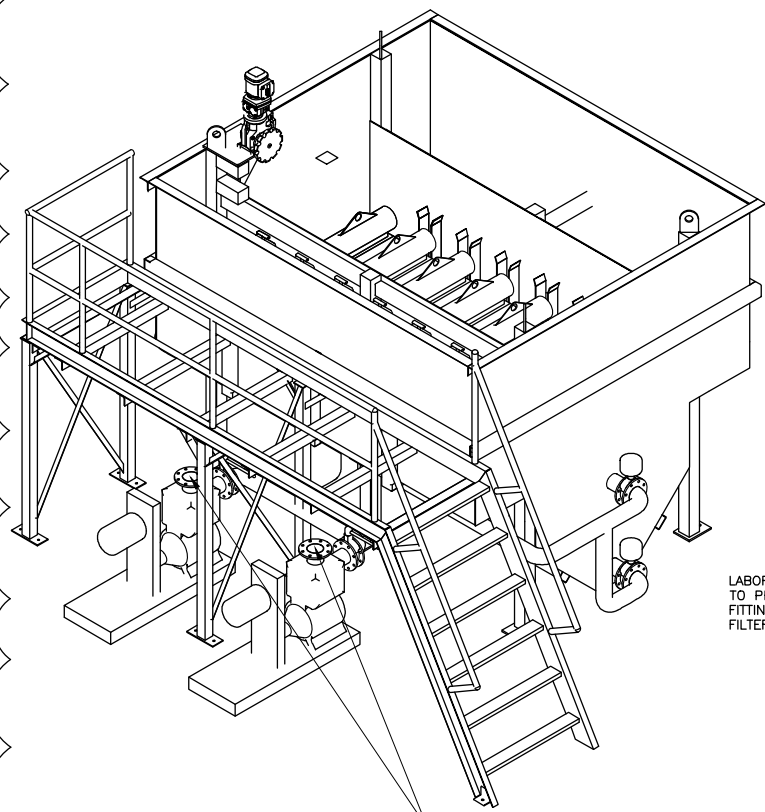
**THE KELLEY GROUP**  
 A CIVIL ENGINEERING COMPANY  
 850 Corporate Pkwy, Suite 104  
 Birmingham, Alabama 35242  
 301 N. Dickson St.  
 Tusculum, AL 35674

ATTENTION:  
 THIS BAR = 1 INCH ON ORIGINAL DRAWING. ADJUST SCALE IF THIS BAR = 1 INCH.

PROJECT NO: 20-0016  
 DRAWN BY: TCW  
 CHECKED BY: BWT  
 SCALE: AS NOTED  
 DATE: 09/2023

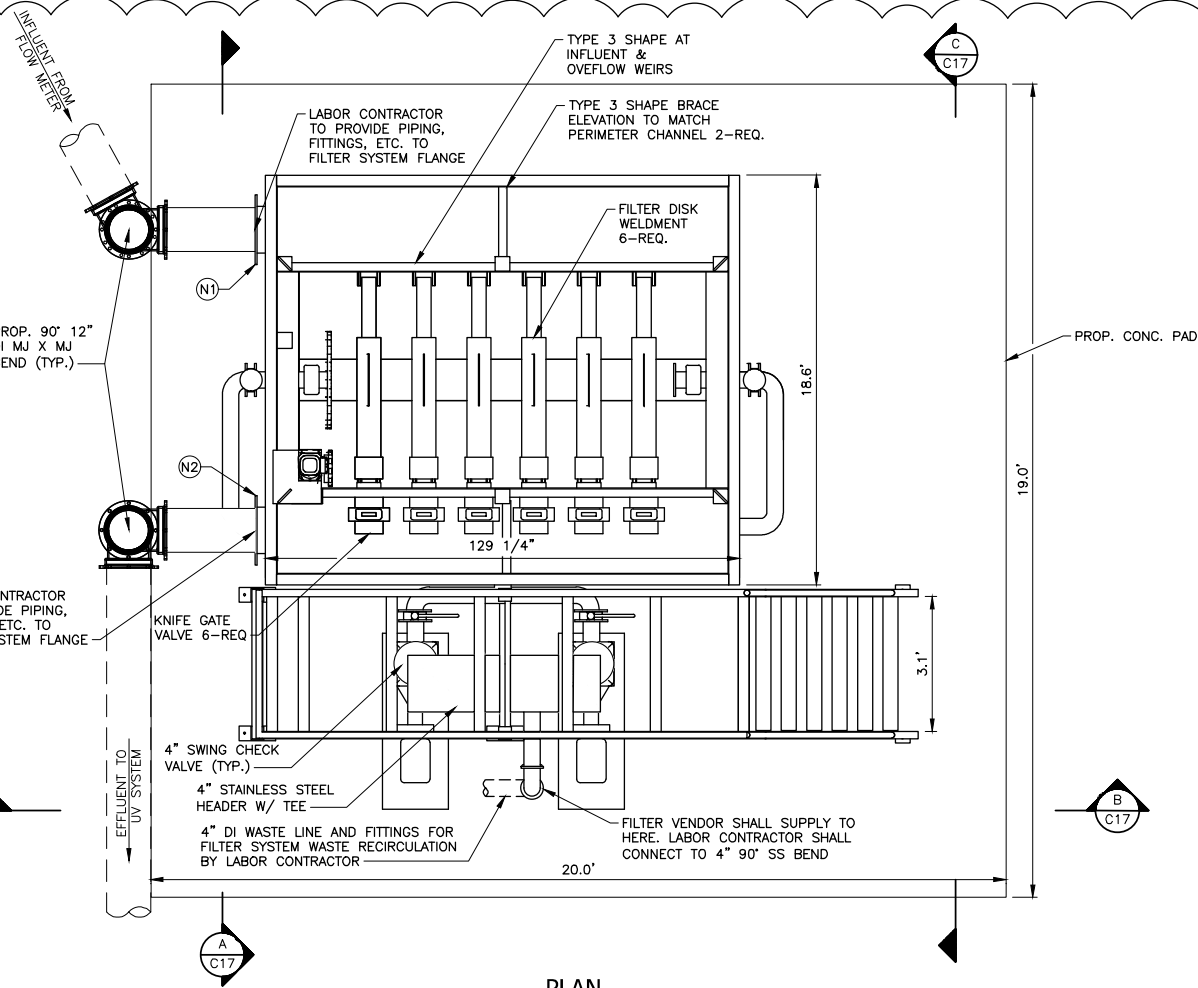


SHEET NO.  
**C15**



**ISOMETRIC**  
SCALE: 1" = 2'

SEE PLAN AND ELEVATION DETAILS A-A THROUGH C-C ON THIS SHIT. FOR WASTE PUMP DISCHARGE CONNECTION



**PLAN**  
SCALE: 1" = 2'

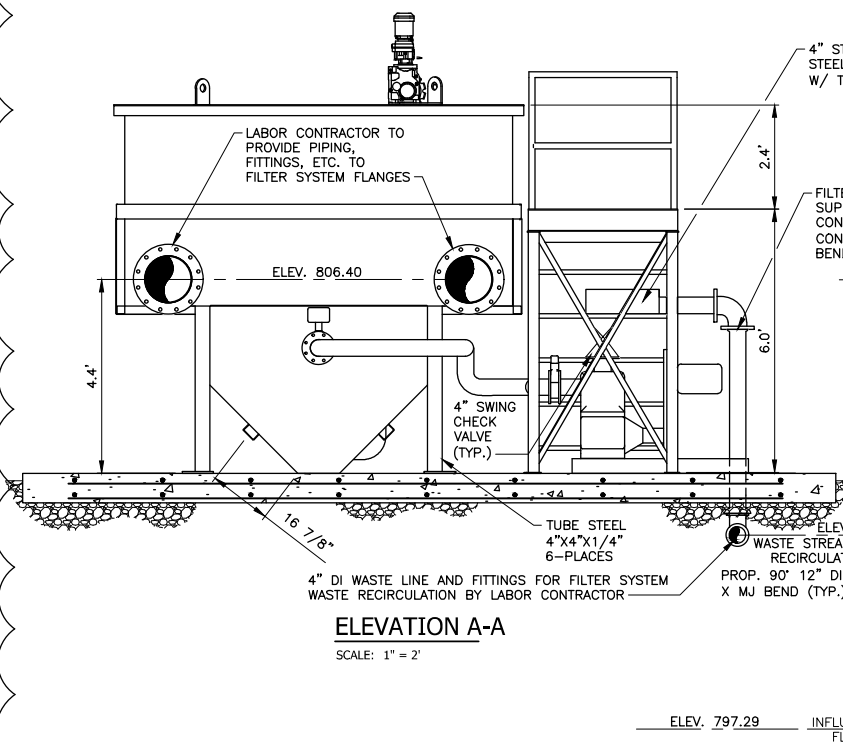
NOZZLE SCHEDULE				
ITEM	QTY.	SIZE / TYPE	DESCRIPTION	NOTE
N1	1	12" FF	INFLUENT	
N2	1	12" FF	EFFLUENT/FILTRATE	
N3/N4	2	4" FF	BACKWASH	
N5	1	4" FF	UNDERDRAIN	
N6	0		OVERFLOW	

**NOTES:**

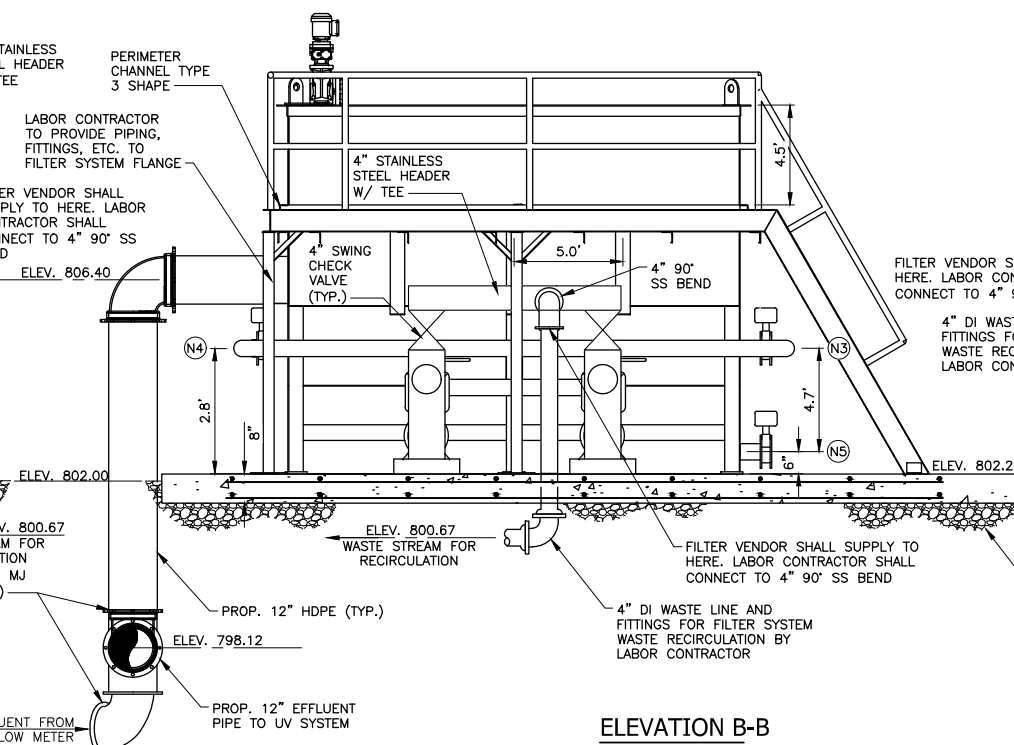
- ALL MAT'L  $\frac{3}{8}$ " THK. 304SS UNLESS NOTED
- ALL FLANGES  $\frac{1}{2}$ " THK. FF. BOLT PATTERN CORRESPONDS TO 150# FLANGES.
- NOZZLE PROJECTION 6" UNLESS NOTED
- SLAB DESIGN TO BE APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.

REVISIONS		DATE	BY
1	ADDENDUM 1 CHANGES/ADDITIONS	09/13/23	TOW
2			
3			
4			
5			
6			

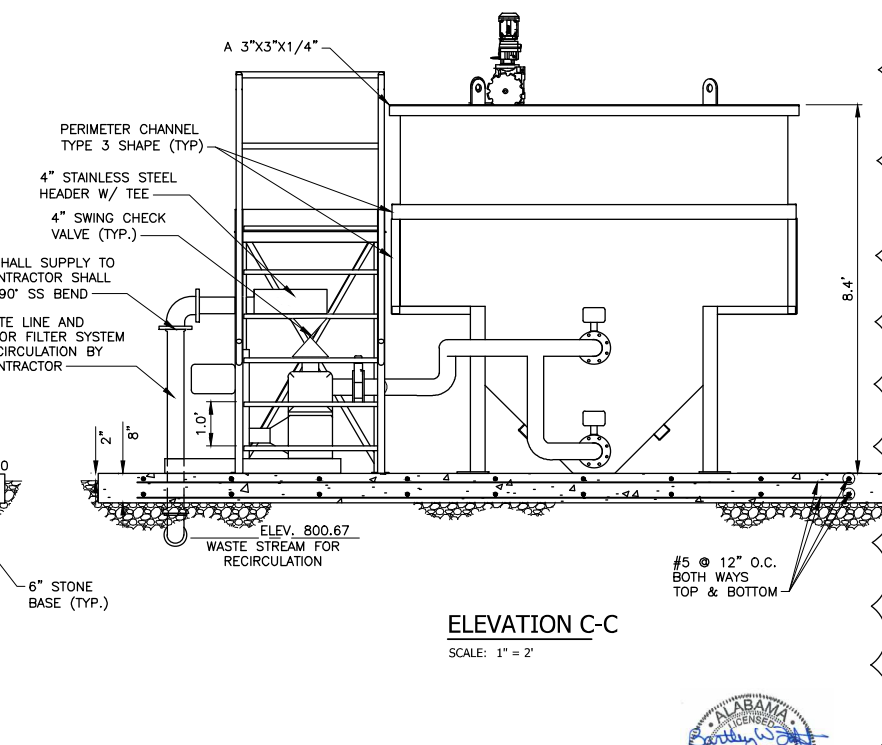
**STANDARD DETAILS**  
**WEDOWEE SEWER SYSTEM IMPROVEMENTS**  
**WEDOWEE WATER, SEWER, & GAS BOARD**  
**TOWN OF WEDOWEE**  
**RANDOLPH COUNTY, ALABAMA**



**ELEVATION A-A**  
SCALE: 1" = 2'



**ELEVATION B-B**  
SCALE: 1" = 2'



**ELEVATION C-C**  
SCALE: 1" = 2'

**14 FIVE STAR FILTRATION FILTER ASSEMBLY DETAIL**  
SCALE: 1" = 2'



**THE KELLEY GROUP**  
 A CIVIL ENGINEERING COMPANY  
 850 Corporate Pkwy, Suite 104  
 Birmingham, Alabama 35242  
 301 N. Dickson St.  
 Tusculum, AL 35674

ATTENTION: THIS BAR = 1 INCH ON ORIGINAL DRAWING. ADJUST SCALE IF THIS BAR = 1 INCH.

PROJECT NO: 20-0016  
 DRAWN BY: TCW  
 CHECKED BY: BWT  
 SCALE: AS NOTED  
 DATE: 09/2023

SHEET NO.  
**C17**