

GAFFNEY BOARD OF PUBLIC WORKS

I-85 SEWER EXTENSION
CONTRACT 1A – SEWAGE PUMP STATIONS

ADDENDUM NO. 2



11-1-2023



11-1-2023

Prepared by

BLACK & VEATCH CORPORATION
Greenville, South Carolina

B&V Project No. 410381

November 1, 2023

Gaffney Board of Public Works
I-85 Sewer Extension
Contract 1A- Sewage Pump Stations

ADDENDUM No. 2

1. SCOPE. This Addendum No. 2 consists of pages AD2-1 through AD2-9 and the following attachments:

- Revised Specification Section 00400 – Bid Form.
- Meeting Minutes from Pre-Bid Conference dated October 11, 2023.
- Sign in Sheet from Pre-Bid Conference dated October 11, 2023.

This Addendum No. 2 covers the following additions and changes to the Project Manual and Drawings:

2. PROJECT MANUAL.

A. SECTION 00100 – INSTRUCTIONS TO BIDDERS.

- i. Page 10. Article 14.01. Delete 14.01 in its entirety starting with “Bids shall be priced on a lump sum...” and replace with the following:

“Bids shall be received on a lump sum and unit price basis for the base contract.

Bidder shall complete the schedule of unit prices included in the Bid Form.

The total Bid will be determined as the sum of the products of the estimated quantity of each item and the unit price bid for the item. The final quantities and Contract Price will be determined in accordance with Paragraph 13.03 of the General Conditions.

Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.”

B. SECTION 00400 – BID FORM

- i. Remove Section 00400 from the Project Manual and replace it with enclosed revised Section 00400 - Bid Form.

C. SECTION 01015 – PROJECT REQUIREMENTS

- i. Page 12. Paragraph 22. Delete Paragraph 22 in its entirety starting with “The Work required under the Base Bid...” and replace with the following”

“Not used.”

D. SECTION 01025 – MEASUREMENT AND PAYMENT

- i. Page 6. Delete Paragraph 17 in its entirety starting with “An Alternate is an item of work...”, including subparagraphs 17.01 and 17.02, and replace with the following:

“Not used.”

- ii. Page 7. Add the following new paragraphs after Paragraph 17 Alternatives:

“18. MOBILIZATION/DEMobilIZATION AND RELATED EXPENSES. Mobilization, demobilization and related expense shall be a lump sum. This Item is meant for non-recurrent and general expenses related to establishment and close out of the Work.

Mobilization, demobilization and related expenses shall be paid for on a lump sum basis. This price and payment shall be full compensation for all costs associated with initiating and completing the Contract, exclusive of the cost of materials. Payment shall include compensation for all expenses related to moving equipment onto and away from the jobsite, performance and payment bonds and other securities required, insurances, necessary permits and fees, posting required notices, project sign, Engineer’s and Contractor’s field office installation including hooking up initial utilities, site preparation, removal of field offices and temporary utilities and roadways, removal of signs, submittal of all record documents, and the general costs associated with initiating the Work on site to assure that it is proceeding in a continuous manner. No additional payment shall be made for interim mobilization or demobilization associated with shutdown of Work by Contractor or Owner.

Mobilization, demobilization and related expenses shall also include all Contract general requirements including but not limited to full

compensation for furnishing construction schedules including baseline and periodic updates; providing and maintaining the quality control plan; providing the project superintendent, project manager and project Engineer (if applicable) full-time; on-site field office and Engineer's field office; recurring expenses following initial mobilization; providing and maintaining dumpsters, security, fencing, and dust control; monthly utility charges; construction photographs; ongoing maintenance of Record Drawings; equipment maintenance; surveying, survey controls, and staking out of easements; project closeout costs; and all temporary facilities, labor, equipment and materials required for or incidental to the Work for which separate payment is not provided under other Bid Items.

Payments shall be made in three equal installments. The first two (2) installments shall coincide with the first two (2) monthly payment applications contingent upon Owner acceptance of the baseline construction schedule and demonstration of satisfactory construction progress, as determined by the Owner/Engineer. The third installment shall be made when the Contractor has completed all construction activity, including final cleanup, punch list Items, and satisfactory submission of Record Drawings.

The cost for this Item shall not be greater than three percent (3%) of the Total Base Bid Amount, excluding this Item itself.

E. SECTION 01310 – CONSTRUCTION PROGRESS SCHEDULE

- i. Page 12. Paragraph 23.01. Add the following new paragraph after 23.01.2.c. ending with “....coordinated with the existing facility operations”:

“d. All sewer pump stations downstream of SC5 SPS must be complete and operational prior to starting construction of SC5 SPS. In addition, all new gravity sewer and forcemains downstream of SC5 SPS included in Contract 1B and Contract 1C shall be complete and ready for operation prior to starting construction of SC5 SPS. Coordinate construction schedule with Owner and Engineer.”

F. SECTION 11150 – SUBMERSIBLE PUMPS

- i. Page 14. Paragraph 2-7. Delete the third sentence of the first paragraph starting with “Acceptance testing shall be per Table 14.6.3.4 Grade 1U....” and replace with the following:

“Acceptance testing shall be per Table 14.6.3.4 Grade 2U for all stations.”

3. DRAWINGS.

A. Sheet E-08-302.

- i. Delete Lighting Panel LP-3800 Panelboard Schedule and replace with the following schedule:

PHASE			PANELBOARD: LP-3800				BUS: COPPER				MAINS: 3P-100A MAIN BREAKER				PHASE		
"A"	"B"	"C"	SERVICE: 120/208V, 3PH, 4W, S/N				RATING: 225A				LOCATION: GAFFNEY FERRY				"A"	"B"	"C"
V.A.	V.A.	V.A.	MOUNTING: SURFACE				ELECTRICAL BUILDING				V.A.	V.A.	V.A.				
			LOAD	P	BKR	CKT #	BKR	P	LOAD								
240			BACKFLOW PREVENTER	1	20	1	2	20	1	FLOW METER VAULT RECEPTACLE	360						
	500		PAC-1 CONTROLLER	1	20	3	4	20	1	LCP-3815		500					
		360	EXTERIOR BLDG RECEPTACLES	1	20	5	6	20	1	FIT/FE-3800			150				
500			GF-SPS-RTU	1	20	7	8	20	1	GEN-3800	2400						
	200		ATS-3800	1	20	9	10	20	1	SPARE							
		58	SITE LIGHT	1	20	11	12	20	1	INTERIOR BLDG LIGHTS			206				
540			INTERIOR BLDG RECEPTACLES	1	20	13	14	20	1	EXTERIOR BLDG LIGTS	100						
			SPARE	1	20	15	16	20	1	SPARE							
			SPARE	1	20	17	18	20	1	SPARE							
1280			TOTAL "A"							TOTAL "A"	2860						
	700		TOTAL "B"							TOTAL "B"		500					
		418	TOTAL "C"							TOTAL "C"			356				
			TOTAL =			6114											

PANELBOARD SCHEDULE

NO SCALE

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4. QUESTIONS/CLARIFICATIONS. The following are the responses and clarifications to questions and comments received in writing, through email, or discussed at the pre-bid meeting. These responses are presented for information only and do not constitute modifications to the bid documents.

- A. Question: Can retainage be reduced and/or eliminated for stored materials?

Response: Gaffney Board of Public Works will consider requests to reduce retainage on stored materials during construction.

- B. Question: Will Contract 1A, Contract 1B, and Contract 1C all bid on the same day?

Response: Yes, all contracts will bid at 2:00 p.m. November 8, 2023 in accordance with Addendum No. 1 released on October 24, 2023.

- C. Question: Is there a specific sequence of construction required to complete the pump stations?

Response: Yes, all pump stations and work downstream of pump station SC5 must be complete and operational prior to SC5 work being started.

SC5 is the only pump station with existing flows that must be maintained during construction.

D. Question: Was there a reason for stone bedding removal?

Response: Additional stone bedding for gravity sewer was required based on pipe depth of burial. The additional stone bedding has been removed and SDR rating of gravity pipe revised to limit amount of stone bedding. In addition, stone bedding for sewer force mains has been removed except in locations where groundwater is encountered in the pipe trench.

E. Question: If the project comes in over budget after the re-bid, how will you move forward? Will you share with us the budget for each contract?

Response: In the event bids come in over budget, Owner will determine whether deductive alternates will be applied to lower anticipated construction cost. Project estimates for each contract were included in the South Carolina Business Opportunities advertisements.

F. Question: Can you explain why the contract days were shortened from 880 to 720 and can they be adjusted back to the original number of days?

Response: Construction durations are based on scope of work included in each contract and take into account equipment and material leads times as well as construction duration to complete the work. Construction durations will not be revised at this time.

G. Question: There was also mention during the pre-bid of adding a line item for clearing and grubbing and one for erosion control. Will there be a revised bid form with these line items included?

Response: Contract 1A includes lump sum bid items. Lump sum bid items will require a schedule of values to be assembled and submitted for review prior to submitting pay requests in accordance with Paragraph 2 of Specification Section 01320. Line items for clearing and grubbing and erosion control can be included in the Schedule of Values.

H. Question: Will rock blasting be allowed throughout the entire project?

Response: Rock blasing will be permitted when approved by Owner, utilities, and all other appropriate agencies and authorities where the Work is to be performed in accordance with Paragraph 3-2.06 of Specification Section 02200.

- I. Question: We request that the initial bid addendum items that are not addressed on the re-bid plans or specs be issued as an addendum to this current bid so any new bidders adhere to those items.

Response: All applicable addendum items from the original bid phase have been incorporated into the drawings and specifications released for rebid.

- J. Question: Will progress payments be made on contract A work, or will the pump stations be required to be operational before payment is made on them?

Response: Progress payments will be made as specified in Article 15 of Specification Section 00700 – General Conditions.

- K. Question: Will retainage be held on stored materials that we apply for payment on?

Response: Yes, retainage will be held on stored materials as indicated in Article 6 of Specification Section 00500 – Agreement.

- L. Question: Will you consider a line item for erosion control?

Response: A line item for erosion control can be included in Contractor's Schedule of Values. The Schedule of Values will be used to submit Applications for Payment during construction.

- M. Question: How will the mobilization be paid? Will it be paid as a full 3% on the first pay application?

Response: Mobilization will be paid in three (3) equal installments. The first two (2) installments shall coincide with the first two (2) monthly applications for payment. The third installment shall be made when the Contractor has completed all construction activity, including final cleanup, punch list items, and satisfactory submission of Record Drawings.

- N. Question: Can you confirm there is no minority paperwork required to be turned in with this bid? The only attachments seen were the bid form, bid security, list of subcontractors/supplier, non-collusion affidavit, and qualification items.

Response: The only items required to be submitted with each bid are the attachments listed in Article 7 of Specification Section 00400 – Bid Form.

- O. Question: Spec 11150 – Submersible Pumps, Request allowing a letter of application confirmation and verifying warranty considerations from the pump manufacturer and allowing operation at rated flow and head in the AOR (not the POR) for the following stations:

- i. Quarry 1
- ii. Jumping Branch
- iii. SC5
- iv. Gibbons 1

Response: Pumps shall operate within the preferred operating range as specified.

- P. Question: Efficiency – Request considering efficiency for ALL stations and changing the following:

- i. Increase efficiency requirements at the following stations:
 - a. Bear Den – 73.5% at design (65% specified).
 - b. Gaffney Ferry – 73.5% at design (65%)
- ii. Decrease efficiency requirements at the following stations:
 - a. SC5 – allow 58% (spec calls for 60%)
 - b. Jumping Branch – allow 57.5% at design (spec calls for 60%)
 - c. Gibobns 1 – 54.6% at design (spec calls for 60%)
 - d. Quarry 1 – allow 46.8% at design (spec calls for 60%)

Response: Specified pump efficiencies will not be revised. Pump selections shall meet the efficiency requirements specified in Paragraph 2-2 of Specification Section 11150 – Submersible Pumps.

- Q. Question: Exception to the following max head conditions (“operating head range for full speed continuous operation”):

- i. Jumping Branch – spec asks for 232-242'. Request to change max recommended head to 240'
- ii. SC5 – spec asks for 185-242'. Request to change max recommended head to 225'

Response: Requested max head of 240 ft for Jumping Branch and 225 ft for SC5 is included within the specified operating head range for full speed continuous operation for each pump station.

- R. Question: Please confirm jacketed pumps are required at ALL pump stations, regardless of submergence at the pump off level. 2-5 says “each motor installed in a wet put shall be capable of continuous operation in air (unsubmerged) for at least 24 hours under pump full load conditions, without exceeding the temperature rise limits for the motor insulation system.” Wet well levels require jacketed pumps for Bear Den and Gaffney Ferry but others may not require jackets to cool motors.

Response: Cooling jackets shall be provided as specified.

- S. Question: Testing. 2-7 requires acceptance grade 1U for all stations. Please approve the following acceptance grades in lieu of 1U:

- i. 2B for Quarry 1 and Quarry 2
- ii. 1B for Bear Den, Gaffney Ferry and Gibbons 1.

Additionally, 2-7 contains some unclear language:

- i. Regarding the comment about 1U minus tolerance, see below chart. Manufactuer has the discretion to choose basis power OR efficiency according to HI
- ii. Wire to water efficiency is referenced but not specified. No wire to water efficiencies will be supplied – the efficiency specified is hydraulic efficiency only.

Response: Shop testing requirements shall be revised as indicated in Part 2F above.

End of Addendum No. 2

Section 00400

BID FORM

PROJECT IDENTIFICATION:

This Bid Form is for bids for the following Gaffney Board of Public Works project:

I-85 Sewer Extension Contract 1A: Sewage Pump Stations

ARTICLE 1 – BID RECIPIENT

1.01. This Bid is submitted to:

Mr. Cory Cox
Gaffney Board of Public Works
210 E. Frederick Street
Gaffney, South Carolina 29340

1.02. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with Owner in the form included in the 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.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for ninety (90) days after the day of Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner. Bidder will sign and submit the Agreement with the bonds and other documents required by the Bidding Documents to Engineer within fifteen (15) days after the date of Owner's Notice of Award.

ARTICLE 3 – BIDDER'S REPRESENTATIONS

3.01. In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

No. _____ Dated _____

No. _____ Dated _____

No. _____ Dated _____

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder is familiar with and satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
- E. Bidder has considered the information known to Bidder itself; information commonly known to Contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid or performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.

- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01. Bidder certifies that:

- A. 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 collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
 - 2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
 - 3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a

purpose of which is to establish bid prices at artificial, non-competitive levels; and

4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01. Bidder will complete the Work in accordance with the Contract Documents for the following prices

5.01 Lump Sum Bids

5.01A	Gaffney Ferry Sewage Pump Station	\$ _____
5.01B	Bear Den Sewage Pump Station	\$ _____
5.01C	SC5 Sewage Pump Station	\$ _____
5.01D	Jumping Branch Sewage Pump Station	\$ _____
5.01E	Gibbons-1 Sewage Pump Station	\$ _____
5.01F	Quarry-2 Sewage Pump Station	\$ _____
5.01G	Quarry-1 Sewage Pump Station	\$ _____
5.01H	Modification of Power Poles at Quarry-2 SPS	\$ _____

5.01. Bidder will complete the Work for the following unit prices, computed in accordance with Paragraph 13.03.C of the General Conditions. Bidder acknowledges that (1) each Bid unit price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and that final payment for all unit price Bid items will be based on actual quantities provided, determined as provided in the Contract Documents.

5.01 UNIT PRICE SCHEDULE

<u>Item</u>	<u>Description</u>	<u>Est. Qty</u>	<u>Unit</u>	<u>Unit Cost</u>	<u>Total Cost</u>
5.01I	Rock Removal	1,550	CY	\$ _____	\$ _____
Base Bid Subtotal (<u>add</u> Items 5.01A through 5.01I)				\$ _____	
Mobilization (Not Greater than 3% of Base Bid Subtotal)				\$ _____	
Total Base Bid (<u>add</u> Base Bid Subtotal and Mobilization)				\$ _____	(figures)

(words)

ARTICLE 6 – TIME OF COMPLETION

6.01. Bidder agrees that the Work covered by the section or sections included in the contract award will be completed within the following numbers of calendar days after the date when Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions. Completion shall mean completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions. The periods listed below shall run concurrently and shall apply regardless of the number of sections awarded to a Bidder.

Substantial Completion: 730 Days Final Completion: 760 Days

6.02. Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the time specified above.

ARTICLE 7 – ATTACHMENTS TO THIS BID

7.01 The following documents are submitted with and made a condition of this Bid:

- A Required Bid security;
- B. List of Subcontractors and Suppliers;

- C. Non-Collusion Affidavit;
- D. Bidder Qualification Items:
 - 1. A copy of financial statement certified by a Certified Public Accountant;
 - 2. Resume of previous ten (10) years (minimum) of experience including project descriptions, owner's name and contact information, contract value, contract duration and actual duration;
 - 3. Resumes of project manager and project superintendent for the project;
 - 4. A summary of present commitments, durations, and owner's contact information;
 - 5. Experience Modification Rate for each of the three (3) most recent years;
 - 6. A copy of Contractor's license for South Carolina; and
 - 7. A copy of Contractor's active System for Award Management (SAM) registration.

ARTICLE 8 – DEFINED TERMS

8.01. The terms used in this Bid have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER: _____
(Correct name of bidding entity)

By: _____
(Signature)
(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

(Printed name)

Attest: _____
(Signature)

(Printed name)

(Title)

Submittal Date: _____

Address for giving notices:

Telephone Number: (_____) _____

Fax Number: (_____) _____

Contact Name and e-mail address: _____

Contractor's License Number: _____

License Expiration Date : _____

Contractor's SAM Number: _____

End of Section

Gaffney Board of Public Works
I-85 Sewer Extension Contract 1A
Sewage Pump Stations
Non-Mandatory Pre-Bid Meeting

B&V Project 410381
B&V File 80.0001
October 11, 2023

A. Introductions

1. Welcome.
2. Introduction of GBPW and B&V personnel.
3. Reminder about sign-in sheets.

B. Project Background and Overview

Reference Section 01015 – Project Requirements of the Contract Documents for a general description of the Work. The Work is generally described as follows:

Contract 1A Sewage Pump Stations includes the construction of seven (7) sewer pump stations with capacities ranging 0.55 million gallons per day (mgd) to 5.31 mgd located along the I-85 corridor in Cherokee County, South Carolina. The seven (7) sewer pump stations in the Base Bid include:

- *Quarry-1 Sewage Pump Station: this sewage pump station is rated for 0.55 mgd and includes the construction of a precast concrete wetwell, valve vault, and bypass manhole; two (2) submersible pumps and associated piping and valves; concrete pad and pre-engineered metal equipment canopy; electrical equipment including mini-power zone, power panel, pump control panel, manual transfer switch, and generator receptacle; instrumentation; sitework and piping; erosion control, and other associated facilities. The Quarry-1 Sewage Pump Station sewer force main (Segment 15) is included under a separate project identified as Contract 1C - Collections Bear Den Sewage Pump Station to Quarry-1 Sewage Pump Station.*
- *Quarry-2 Sewage Pump Station: this sewage pump station is rated for 0.55 mgd and includes the construction of a precast concrete wetwell, valve vault, and bypass manhole; two (2) submersible pumps and associated piping and valves; concrete pad and pre-engineered metal equipment canopy; electrical equipment including mini-power zone, power panel, pump control panel, manual transfer switch, and generator receptacle; instrumentation; sitework and piping; erosion control, and other associated facilities. The Quarry-2 Sewage Pump Station influent sewer (Segment 14) and sewer force main (Segment 13) are included under a separate project identified as Contract 1C - Collections Bear Den Sewage Pump Station to Quarry-1 Sewage Pump Station.*
- *Gibbons-1 Sewage Pump Station: this sewage pump station is rated for 0.93 mgd and includes the construction of a precast concrete wetwell, valve vault, and bypass manhole; two (2) submersible pumps and associated piping and valves; concrete pad and pre-engineered metal equipment canopy; electrical equipment including mini-power zone, power panel, pump control panel, manual transfer switch, and generator receptacle; instrumentation; sitework and piping; erosion control, and other associated facilities. The Gibbons-1 Sewage Pump Station influent sewer (Segment 12) and sewer force main (Segment 16) are included under a separate project identified as Contract 1C - Collections Bear Den Sewage Pump Station to Quarry-1 Sewage Pump Station.*
- *Jumping Branch Sewage Pump Station: this sewage pump station is rated for 0.88 mgd and includes the construction of a precast concrete wetwell, valve vault, and bypass manhole; two (2) submersible pumps and associated piping and valves; concrete pad and pre-engineered metal equipment canopy;*



- electrical equipment including mini-power zone, power panel, pump control panel, manual transfer switch, and generator receptacle; instrumentation; sitework and piping; erosion control, and other associated facilities. The Jumping Branch Sewage Pump Station sewer force main (Segment 8) is included under a separate project identified as Contract 1C - Collections Bear Den Sewage Pump Station to Quarry-1 Sewage Pump Station.*
- *SC5 Sewage Pump Station: this sewage pump station is rated for 0.88 mgd and includes the demolition and disposal of two (2) existing submersible pumps and associated equipment, existing electrical equipment, existing surge relief valve and associated piping, existing air release valve and associated piping, and existing site piping; the rehabilitation and reuse of the existing precast concrete wetwell, valve vault and associated piping and valves, and bypass manhole; installation of two (2) submersible pumps; concrete pad and pre-engineered metal equipment canopy; electrical equipment including mini-power zone, power panel, pump control panel, manual transfer switch, and generator receptacle; instrumentation; sitework and piping; erosion control, and other associated facilities. The SC5 Sewage Pump Station influent sewer (Segment 7) and sewer force main (Segment 6) are included under a separate project identified as Contract 1C - Collections Bear Den Sewage Pump Station to Quarry-1 Sewage Pump Station.*
 - *Bear Den Sewage Pump Station: this sewage pump station is rated for 5.31 mgd and includes the construction of a precast concrete wetwell, valve vault, flow metering vault, and bypass manhole; two (2) submersible pumps and associated piping and valves; pre-engineered metal electrical building; electrical equipment including switchboard, automatic transfer switch, variable frequency drives, lighting panel, and local control panels; 350 kW emergency standby generator; instrumentation; sitework and piping; erosion control, and other associated facilities. The Bear Den Sewage Pump Station influent sewer (Segment 4) is included under a separate project identified as Contract 1C - Collections Bear Den Sewage Pump Station to Quarry-1 Sewage Pump Station. The Bear Den Sewage Pump Station sewer force main (Segment 3) is included under a separate project identified as Contract 1B - Collections Broad River WWTP to Bear Den Sewage Pump Station.*
 - *Gaffney Ferry Sewage Pump Station: this sewage pump station is rated for 4.90 mgd and includes the construction of a precast concrete wetwell, valve vault, flow metering vault, and bypass manhole; two (2) submersible pumps and associated piping and valves; pre-engineered metal electrical building; electrical equipment including switchboard, automatic transfer switch, variable frequency drives, lighting panel, and local control panels; 350 kW emergency standby generator; instrumentation; sitework and piping; erosion control, and other associated facilities. The Gaffney Ferry Sewage Pump Station influent sewer (Segment 3) and sewer force main (Segment 2) are included under a separate project identified as Contract 1B - Collections Broad River WWTP to Bear Den Sewage Pump Station.*

C. Bid Documents

Bid Documents including specifications and drawings are available in PDF format on DropBox from Black & Veatch (contact Chad Walters WaltersC@BV.com and Todd Carwell CarwellT@BV.com).

The documents include:

- Specifications
- Drawing set for Contract 1A – Sewage Pump Stations
- Geotech Report (original and addendum)



D. Project Schedule

1. Questions must be received by 12:00 p.m. on October 20, 2023 (10 days before bid opening).
2. Anticipated final addendum will be issued no later than October 24, 2023.
3. Sealed bids must be received by 2 p.m. on November 1, 2023, at GBPW office.
4. All bids must be submitted in accordance with Section 00100 – Instructions to Bidders.
5. Anticipated Notice to Proceed will be issued following RIA review of bidding documents. The Bid will remain subject to acceptance for ninety (90) days after Bid opening in accordance with Section 00400 – Bid Form, Article 2.01.
6. Substantial Completion shall be accomplished in 730 calendar days.
7. Final Completion shall be accomplished in 760 calendar days.

E. Questions and Answers

Addendum - All questions must be submitted to Engineer in writing and received by 12:00 p.m. October 20, 2023.

F. Bidding Instructions/ Contract Provisions

1. Qualifications - Contractor shall submit all requested items in accordance with Section 00100 – Instructions to Bidders, Article 3.01. Project is being funded by the South Carolina Infrastructure Investment Program (SCIIP) and is therefore subject to all federal/state grant requirements.
2. Bonds and Insurance - Insurance and bonding requirements are set forth in Article 6 of Section 00700 – General Conditions and Article 6 of Section 00800 – Supplementary Conditions of the Contract Documents and should be reviewed by the Contractor.
3. Bidding Documents - Bids shall be submitted in accordance Section 00100 – Instructions to Bidders, Article 3.01 and Section 00400 – Bid Form. Contractor must fill in all blanks on the Bidding Documents. Contractor is encouraged to ask questions if something is unclear so it can be addressed via addendum.

Complete Bidding Documents must be submitted, including:

- Bid Form (Section 00400),
 - Bid Security of 5% (Section 00100),
 - List of Proposed Subcontractors and Suppliers (Section 00440),
 - Non-Collusion Affidavit (Section 00480), and
 - Bidder Qualification Items (Section 00400)
4. Retainage - Retainage is set forth in Section 00500 – Agreement Article 6.02 and shall be ten percent (10%) until the Work is fifty percent (50%) completed. After



the Work has been fifty percent (50%) completed as determined by Engineer, a reduction will be considered by the Owner.

5. Completion Times and Liquidated Damages - Liquidated damages shall be in accordance with Section 00500 – Agreement Article 4.03 and shall be \$2,500 for each day expired after substantial completion and \$1,500 for each day expired after final completion. Should the Contract extend past RIA mandated construction end date June 1, 2026, liquidated damages shall be \$5,000 for each day expired past June 1, 2026.
6. Permits and fees - Owner has obtained or is in the process of obtaining the following permits:
 - South Carolina Department of Health and Environmental Control (SCDHEC) Wastewater Construction Permit.
 - SCDHEC NPDES Sediment and Erosion Control Permit.
 - South Carolina Department of Transportation (SCDOT) Encroachment Permit.
 - a. Driveway Encroachment: Gaffney Ferry SPS.
 - b. Driveway Encroachment: Jumping Branch SPS.
 - c. Driveway Encroachment: Gibbons-1 SPS.
 - d. Driveway Encroachment: Quarry-2 SPS.
 - e. Driveway Encroachment: Quarry-1 SPS.

Permits are included in Section 00800A – Permits. Any additional permits acquired will be included in an addendum. Contractor is responsible for complying with all terms and special conditions of these permits. All other permits required for this project are the responsibility of the Contractor.

7. Coordination with Public Utilities and Agencies - Traffic control and coordination are with SCDOT and Cherokee County. Contractor is responsible for contacting utilities before beginning construction activities. Contractor is responsible for notifying all agencies prior to construction if stipulated in the permit issued by the agency. Contractor is responsible for prospecting ahead the work. Refer to Section 01015 – Project Requirements, Paragraph 4. All costs associated with coordination, relocation, shoring, and bracing of existing utilities are Contractor's obligation.
 - Quarry-2 SPS – Modify Power Poles
Craig Garrett
Duke Energy
828-258-5018
8. Easements and Rights-of-Way - Contractor shall confine its operations within the limits of right-of-way, GBPW easements, and GBPW acquired property. All costs for traffic control shall be a subsidiary cost of the Contractor.

Contractor shall refer to Section 00800B – Easements for the easement



documentation for property owner agreed upon temporary easement boundaries. Should the Work require additional temporary easements, Contractor shall coordinate with property owners for temporary easements as required.

Contractor shall note that some private property is located on farmland/pastures with livestock. Contractor shall ensure any and all gates are closed after entering property and that all animals are secure.

G. Other Project Information

1. Addendum - B&V anticipates issuing Addendum No. 1 no later than October 16, 2023. Addendum will include the following:
 - Prebid meeting minutes
 - Prebid sign-in sheet
 - Answers to contractor questions
 - Additional property acquisition documentation

B&V anticipates issuing an Addendum No. 2 no later than October 24, 2023, with any final Contractor questions and acquired permit documentation.

H. Construction Specific Considerations/ Requirements

1. Coordination With Other Contracts – Linear gravity sewer and force main work included in Contract 1B & Contract 1C. See civil drawings for direction where Contract 1A work starts/stops.
2. Alternates – Deductive alternates in Contract 1A include:
 - Alternate No. 1 – Remove Jumping Branch Sewage Pump Station
 - Alternate No.2 – Remove Quarry-1 Sewage Pump Station

I. Questions

Gaffney Board of Public Works
 I-85 Sewer Extension Contract 1A Sewage Pump Stations
 Pre-Bid Conference Sign-In Sheet
 October 11, 2023
 9:00 A.M.



NAME	COMPANY	EMAIL
Kevin Moorhead	Moorhead Const. Inc	kmoorhead@moorheadconstruction.com
Glenn Mitchell	Morgan Contracting	estimating@morgansm2.com
Brice Cook	BWC Contracting, Inc	bwccontracting@msn.com
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1A+B+C