

GAFFNEY BOARD OF PUBLIC WORKS

LOVE SPRINGS BOOSTER PUMP STATION
& FINISHED WATER MAIN

ADDENDUM NO. 1



11-21-2023

Prepared by

BLACK & VEATCH CORPORATION
Greenville, South Carolina

B&V Project No. 410311

November 21, 2023

Gaffney Board of Public Works
Love Springs Booster Pump Station
& Finished Water Main

ADDENDUM No. 1

1. SCOPE. This Addendum No. 1 consists of pages AD1-1 through AD1-6 and the following attachments:

- Revised Specification Section 00400 – Bid Form.
- Meeting Minutes from Pre-Bid Conference dated November 7, 2023.
- Sign in Sheet from Pre-Bid Conference dated November 7, 2023.
- Approved South Carolina Department of Health and Environmental Control (SCDHEC) Navigable Waters permit.

This Addendum No. 1 covers the following additions and changes to the Project Manual and Drawings:

2. PROJECT MANUAL.

A. SECTION 00400 – BID FORM.

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

B. SECTION 00800A – SUPPLEMENTARY CONDITIONS.

- i. Insert the enclosed South Carolina Department of Health and Environmental Control Navigable Waters permit at the end of 00800A - Permits.

C. SECTION 01015 – PROJECT REQUIREMENTS

- i. Page 3. Paragraph 6.01.a. Insert the following text after the first sentence starting with “6,800 linear feet of.....”:

“Owner provided ductile iron pipe manufactured by McWane.”

3. DRAWINGS.

A. Volume I: Drawing E-11-603.

- i. Add the following Love Springs Pump Station Lighting Fixture Schedule:

LOVE SPRINGS PUMP STATIONS LIGHTING FIXTURE SCHEDULE					
FIXTURE	LAMP	MTG HGT	DESCRIPTION	MANUFACTURER	FIXTURE USED IN
2	LED 49W 5,443 LUMENS	AS NOTED ON PLANS	EVT4 LED 6000 LUMANS, CLEAR POLYCARBONATE LENS, MEDIUM, 120V, 0-10 DIMMING, 4000K, 80 CRI, EMERGENCY BATTERY PACK, QUICK MOUNT CEILING BRACKET, 360° LOW MOUNT SENSOR.	HOLOPHANE EVT4 6000LM PCL MD 120 40K 80CRI QMB MSI10NWL	LOVE SPRINGS PUMP ROOM
2E	LED 49W 5,443 LUMENS	AS NOTED ON PLANS	EVT4 LED 6000 LUMANS, CLEAR POLYCARBONATE LENS, MEDIUM, 120V, 0-10 DIMMING, 4000K, 80 CRI, EMERGENCY BATTERY PACK, QUICK MOUNT CEILING BRACKET, 360° LOW MOUNT SENSOR.	HOLOPHANE EVT4 6000LM PCL MD 120 40K 80CRI E15WCP QMB MSI10NWL	LOVE SPRINGS PUMP ROOM
3	LED 67W 7,556 LUMENS	AS NOTED ON PLANS	EVT4 LED 8000 LUMANS, CLEAR POLYCARBONATE LENS, MEDIUM, 120V, 0-10 DIMMING, 4000K, 80 CRI, EMERGENCY BATTERY PACK, QUICK MOUNT CEILING BRACKET, 360° LOW MOUNT SENSOR.	HOLOPHANE EVT4 8000LM PCL MD 120 40K 80CRI QMB MSI10NWL	LOVE SPRINGS ELECTRICAL ROOM
3E	LED 67W 7,556 LUMENS	AS NOTED ON PLANS	EVT4 LED 8000 LUMANS, CLEAR POLYCARBONATE LENS, MEDIUM, 120V, 0-10 DIMMING, 4000K, 80 CRI, EMERGENCY BATTERY PACK, QUICK MOUNT CEILING BRACKET, 360° LOW MOUNT SENSOR.	HOLOPHANE EVT4 8000LM PCL MD 120 40K 80CRI E15WCP QMB MSI10NWL	LOVE SPRINGS ELECTRICAL ROOM
4	LED 25W 3,469 LUMENS	AS NOTED ON PLANS	WALL MOUNTED LED FIXTURE, P2 PERFORMANCE PACKAGE, 4000K COLOR TEMPERATURE, FORWARD THROW DISTRIBUTION, BLACK FINISH, PHOTOELECTRIC CELL, EMERGENCY BACKUP BATTERY, 120V	LITHONIA WST LED P2 40K VF 120 PE E20WH DBXLD	LOVE SPRINGS EXTERIOR LIGHTING
EX	LED 2.7W	AS NOTED ON PLANS	WALL MOUNTED LED EXIT FIXTURE, WHITE HOUSING, SINGLE FACED, RED LETTER, NICKEL-CADMIUM BATTERY, TAMPER RESISTANT SCREW HARDWARE, SELF-DIAGNOSTICS, 120V	LITHONIA WLTE B 1 R EL TP SD	LOVE SPRINGS EMERGENCY EXIT SIGNS

B. Volume 2: Drawing C-01-101.

- ii. Revise the diameter of the steel casing pipe near STA 2+00 below Love Springs Road to 20” in lieu of 18”.

C. Volume 2: Drawing C-01-107.

- iii. Revise the diameter of the steel casing pipe near STA 59+00 below Fleming Road to 20” in lieu of 18”.

D. Volume 2: Drawing C-01-108.

- iv. Revise the diameter of the steel casing pipe near STA 60+00 below Love Springs Road to 20” in lieu of 18”.

E. Volume 2: Drawing C-01-109.

- v. Revise the diameter of the steel casing pipe near STA 71+75 below Beaver Ridge Road to 20” in lieu of 18”.

F. Volume 2: Drawing C-01-115.

- vi. Revise the diameter of the steel casing pipe near STA 125+00 below Beaver Ridge Road to 20” in lieu of 18”.

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: Spec section 11110, Fairbanks proposed pump selection will be a 2-stage horizontal split case pump. The pump shown in the construction drawings appears to be a multi-stage pump – suction & discharge are on the same side of the pump. Fairbanks pump connections will be on opposite sides.

Response: Pump selections that have suction and discharge connections on opposite sides of the pump, but meet the design requirements of Specification Section 11110 Paragraph 2-2, are acceptable.

- B. Question: Spec section 11110, 2-2 - Minimum pump speed is approximately 84% (in lieu of 87%) for 670 GPM @ 197' TDH reduced speed condition.

Response: Minimum pump speed of 84% is acceptable.

- C. Question: Spec section 11110, 2-2 - Flowrate at BEP is located at approximately 776 GPM (in lieu of 660 – 720 GPM) – will this be acceptable?

Response: Best efficiency flow rate of 776 gpm is acceptable.

- D. Question: Spec section 11110, 2-3 – Pump will be constructed for low lead application but not NSF-61 3rd party certified.

Response: All materials or products which come into contact with drinking water shall be third party certified as meeting the specifications of ANSI/NSF-61 in accordance with Article SC-7.10.O of Specification Section 00800 – Supplementary Conditions and Paragraph 25 of Specification Section 01015 – Project Requirements.

- E. Question: Spec section 11110, 2-3 – Fairbank's materials of construction will be as follows:

- Impeller will be B584 bronze in lieu of B148 – is this acceptable?
- Casing wear ring will be 416SS in lieu of bronze – is this acceptable?
- Impeller wear ring will be 316SS in lieu of bronze – is this acceptable?
- 440C stainless steel shaft sleeve in lieu of bronze – is this acceptable?

- Interwoven Graphite impregnated acrylic packing in lieu of Teflon impregnated Kevlar – is this acceptable?

Response: Manufacturer's standard materials of construction are acceptable. All materials or products which come into contact with drinking water shall be third party certified as meeting the specifications of ANSI/NSF-61.

- F. Question: Drawing M-11-101 - Fairbanks suction & discharge connections are on opposite sides. Will this be an issue?

Response: Pump selections that have suction and discharge connections on opposite sides of the pump, but meet the design requirements of Specification Section 11110 Paragraph 2-2, are acceptable.

- G. Question: Spec section 16150, 2-1 – Would ABB ACQ580-01 6-pulse VFDs be accepted as one of the approved manufacturers? ABB is not currently named.

Response: Adjustable frequency drives manufactured by ABB are acceptable.

- H. Question: Spec section 16150, 2-4.03 (Harmonic Filters) – Would the ABB ACQ580-31 ULH (Active Front End) VFD be accepted in lieu of providing the specified low capacitance harmonic filter?

Response: The proposed ABB ULH adjustable frequency drive with active front end is acceptable.

- I. Question: For the AFDs, will we need to build the physical panel? To elaborate, should we include the physical build in our proposal as opposed to just the parts? Does programming need to be included within the proposal? Does startup need to be included within the proposal?

Response: Adjustable frequency drives shall be provided complete and include all programming, startup, and training specified. Vendor/Supplier scope shall be coordinated with general contractors.

- J. Question: Can Lord & Company Industrial Automation be added to the list of approved system integrators for this project?

Response: Lord & Company Industrial Automation is an acceptable system integrator provided they meet all requirements of Specification Section 13500 – Instrumentation and Control System.

- K. Question: Can Generac Industrial Power be added to the list of approved

generator manufacturer's for this project?

Response: Generac Industrial Power generators are acceptable provided they meet all requirements of Specification Section 11910 – Engine Generators. “Or Equal” materials and equipment shall be submitted for review in accordance with Article 7.04 of Specification Section 00700 – Standard General Conditions of the Construction Contract.

L. Question: Do you have an estimate for this project?

Response: Estimated construction cost is \$6,000,000 - \$8,000,000.

M. Question: Are GA butterfly valves acceptable for use on this project?

Response: GA butterfly valves are acceptable.

N. Question: Is GA pressure reducing valve Figure 4500-D an acceptable alternate for use on this project?

Response: GA pressure reducing valve Figure 4500-D is an acceptable alternate.

O. Question: Can GA surge relief valve Figure 6700-D be provided with cast iron body in lieu of the ductile iron body specified?

Response: Cast iron body for the surge relief valve is acceptable.

End of Addendum No. 1

Section 00400

BID FORM^{A1}

PROJECT IDENTIFICATION:

Love Springs Booster Pump Station & Finished Water Main

ARTICLE 1 – BID RECIPIENT

1.01. This Bid is submitted to:

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 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 Consulting Engineer within 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 _____

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 Consulting 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 Consulting 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:

LUMP SUM BIDS:

- | | | |
|--------|---|----------|
| 5.01A. | Love Springs Road Pump Station | \$ _____ |
| 5.01B. | Love Springs Road PRV Vault Modifications | \$ _____ |
| 5.01C. | Little Egypt Road PRV Vault | \$ _____ |
| 5.01D. | South Green River Road PRV Vault | \$ _____ |

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.

UNIT PRICES:

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total Cost</u>
5.01E.	Clearing & Grubbing (12" Water Main)	AC	3.3	\$_____	\$_____
5.01F.	Seeding & Grassing (12" Water Main)	AC	3.3	\$_____	\$_____
5.01G.	12" Restrained Joint Ductile Iron Pipe	LF	3089	\$_____	\$_____
5.01H.	12" Push-On Joint Ductile Iron Pipe	LF	8167	\$_____	\$_____
5.01I.	Installation of Owner Provided 12" Push-On Joint Ductile Iron Pipe	LF	6800	\$_____	\$_____
5.01J.	4" Restrained Joint Ductile Iron Pipe	LF	75	\$_____	\$_____
5.01K.	3" PVC Pipe	LF	15	\$_____	\$_____
5.01L.	Restrained Joint Ductile Iron Pipe Fittings	LBS	7570	\$_____	\$_____
5.01M.	12" Gate Valve	EA	11	\$_____	\$_____
5.01N.	4" Gate Valve	EA	1	\$_____	\$_____
5.01O.	3" Gate Valve	EA	1	\$_____	\$_____
5.01P.	Fire Hydrants w/ Gate Valve, 6" Ductile Iron Pipe, & Tee	EA	14	\$_____	\$_____
5.01Q.	Air/ Vacuum Release Valves & Manholes	EA	4	\$_____	\$_____
5.01SR.	12"x12" Tapping Sleeve & Valve	EA	1	\$_____	\$_____

5.01S.	4"x4" Tapping Sleeve & Valve	EA	1	\$ _____	\$ _____
5.01T.	12" Carrier Ductile Iron Pipe w/ 20" Steel Encasement by Jack & Bore under Love Springs Rd near Sta 2+00	LF	35	\$ _____	\$ _____
5.01U.	12" Carrier Ductile Iron Pipe w/ 20" Steel Encasement by Jack & Bore under Fleming Rd near Sta 59+00	LF	34	\$ _____	\$ _____
5.01V.	12" Carrier Ductile Iron Pipe w/ 20" Steel Encasement by Jack & Bore under Love Springs Rd near Sta 60+00	LF	39	\$ _____	\$ _____
5.01W.	12" Carrier Ductile Iron Pipe w/ 20" Steel Encasement by Jack & Bore under Beaver Ridge Rd near Sta 71+75	LF	27	\$ _____	\$ _____
5.01X.	12" Carrier Ductile Iron Pipe w/ 20" Steel Encasement by Jack & Bore under Beaver Ridge Rd near Sta 125+00	LF	43	\$ _____	\$ _____
5.01Y.	4" Carrier Ductile Iron Pipe w/ 12" Steel Encasement by Jack & Bore Under Beaver Dam Road near STA 170+00	LF	35	\$ _____	\$ _____

5.01Z.	Horizontal Directional Drill 14" DIPS DR11 HDPE crossing of Thicketty Creek	LF	529	\$ _____	\$ _____
5.01AA.	Service Connections Short Side	EA	14	\$ _____	\$ _____
5.01AB.	Service Connections Long Side	EA	12	\$ _____	\$ _____
5.01AC.	Remove & Replace Asphalt Driveways	SY	1020	\$ _____	\$ _____
5.01AD.	Remove & Replace Concrete Driveways	SY	689	\$ _____	\$ _____
5.01AE.	Remove & Replace Gravel Driveways	SY	435	\$ _____	\$ _____
5.01AF.	Disinfection	LF	18765	\$ _____	\$ _____
5.01AG.	Abandonment of Existing 6" and Smaller Watermains w/ Flowable Fill	LF	100	\$ _____	\$ _____

Base Bid Subtotal (add Items 5.01A through 5.01AG) \$ _____

Mobilization (Not Greater than 3% of Base Bid Subtotal) \$ _____

Total Base Bid (add Base Bid Subtotal and Mobilization) \$ _____

(figures)

(words)

5.01 ALTERNATIVES

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Total Cost</u>
5.01AH	200 kW Emergency Standby Engine-Generator and Automatic Transfer Switch (add)	LS	1	\$ _____

ARTICLE 6 – TIME OF COMPLETION

6.01. Bidder agrees that the Work will be substantially complete within 460 calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within 490 calendar days after the date when the Contract Times commence to run.

6.02. Bidder agrees that the Work covered by the Milestone or Milestones indicated in the Project Requirements will be completed as required by the Contract Documents.

6.03. Bidder accepts the provisions of the Agreement as to liquidated damages.

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



October 24, 2023

Gaffney Board of Public Works
Care of Cory Cox
210 E FREDERICK ST
GAFFNEY, SC 29340
ccox@gbpw.com

Re: Authorization to Construct Under the General Permit, SC GP 98-002 23-RW-002
Construction Project: Thicketty Creek Bore
Construction must be completed by October 25, 2026
County: Cherokee

Dear Mr. Cox,

The Department is in receipt of your application for a permit to install utility lines by directional bore under a navigable water. The project is located beneath Thicketty Creek 675' east of 502 Beaver Ridge Rd, Gaffney, Cherokee County, South Carolina. The project entails a Directional Bore under Thicketty Creek for the installation of a 12" water main. The bore will enter and exit in uplands within the road right of way. There are no proposed impacts to Thicketty Creek. After reviewing the application, the Department finds that the construction project, as proposed, is consistent with the Permits for Construction in Navigable Waters regulations and be advised that General Permit SC GP-98-002 has been issued, copy enclosed, which conveys State authorization for the project as proposed. Construction must be completed by October 25, 2026.

Prior to beginning the authorized work all appropriate state, federal, or local permits and/or authorizations (e.g., U.S. Army Corps of Engineers) must be obtained. Please note that for this authorization to remain valid, the project must be constructed as proposed and comply with all terms and conditions listed in the enclosed permit. Also note that authorization to construct under this general permit shall not be deemed to be in derogation of any property rights or interests of persons or entities other than yours with respect to (a) property upon which the permitted activity is situated, or (b) property affected by the permitted activity.

Should you have questions, please contact Rusty Wenerick, at (803) 898-4266 or by e-mail at Rusty.Wenerick@dhec.sc.gov. When corresponding about this authorization, please refer to the certificate number: SC GP 98-002 23-RW-002.

Sincerely,

A handwritten signature in blue ink, appearing to read "William R. Wenerick", is written over a light blue horizontal line.

Water Quality Certification and
Wetlands Section

cc:

Upstate GSP (Greenville & Spartanburg) DHEC EA Office
BEHS-GSP-Admin@dhec.sc.gov

Stutts Environmental & Wildlife Services
213 ROCKY POINT DR
COLUMBIA, SC 29212
bgstutts1@gmail.com

Enclosure:

PDF copy of SC GP 98-002 (7 pages)



General Permit No.: SC GP-98-002 (R)
Name of Applicant: Public Utility Companies
Effective Date: 02/15/2022
Expiration Date: 02/16/2027

South Carolina Department of Health and Environmental Control General Permit

By authority of the South Carolina Department of Health and Environmental Control (the Department) pursuant to regulations and procedures established under South Carolina Regulation 19-450, *Permits for Construction in Navigable Waters et seq.*, Code of Laws of South Carolina, 1976, as amended (R.19-450), a General Permit to perform work in or affecting the navigable waters of South Carolina is hereby issued to:

Public Utility Companies

To authorize, subject to the general and special conditions contained herein,

Installation of Utilities by Directional Boring and Aerial Crossing

Within:

Statewide Navigable Waters Identified Herein

I. Permit Activities

A. Authorized Activities. This General Permit authorizes the following activities:

1. Installation of Utilities by Directional Boring. This General Permit authorizes installation of utilities consisting of pipes, cables, lines, or wires for transmission purposes including, but not limited to, electricity, telephone, telegraph, internet, radio, television, water, and sewer, using directional boring (a.k.a. horizontal directional drilling or HDD) under navigable waters of South Carolina subject to R.19-450, provided the work conforms to the terms and conditions of this General Permit.

2. Installation of Utilities by Aerial Crossing. This General Permit also authorizes installation of utilities consisting of cables, lines, or wires by aerial crossing over navigable waters of South Carolina subject to R.19-450, but limited to only those utilities that are for the

purpose of electrical power transmission, and provided the work conforms to the terms and conditions of this General Permit.

B. Activities Not Authorized. This General Permit does not authorize construction of any kind other than that described above in Section I.A.1 and I.A.2.

II. Permit Area

A. Included Waters. This General Permit authorizes construction in, on, over, or under all navigable waters of South Carolina, as defined at R.19-450.2.C, except those navigable waters identified in Part II.B of this General Permit.

B. Excluded Waters. This General Permit does not authorize construction in, on, over, or under waters within the critical area of the coastal zone of South Carolina, as defined at Section 48-39-10 of the South Carolina Coastal Zone Management Act (48-39-10 *et. seq.*), including coastal waters and tidelands.

III. Obtaining Authorization to Construct under this General Permit

A. Duty to Apply. In order to be authorized to construct, an applicant must apply as specified in Part III.A.1 of this General Permit.

1. Application. Applicants are required to apply for authorization through the Department's ePermitting Portal here: <https://epermweb.dhec.sc.gov/ncore/external/home>. The ePermitting Portal allows applicants to create a user account, enter information about a site where proposed activities are to occur, and apply for authorization for those activities, including uploading documents such as drawings and paying applicable fees. The fee for General Permit authorizations is \$50.00. If you would like to see tutorials on how to use ePermitting, please visit our ePermitting Training web page here: <https://www.scdhec.gov/epermitting-training>. Applicants may also find helpful information on the Department's Navigable Waters web page here: <https://scdhec.gov/bow/navigable-waters>.

Please Note: 1) Construction involving Navigable Waters of the United States may also be subject to federal permitting jurisdiction under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403). If an application is received for construction in these waters, the applicant will be instructed to submit a copy of the application to the Charleston District U.S. Army Corps of Engineers Regulatory Program.

2) Electrical power transmission lines that are part of a water power project are subject to the regulatory authorities of the Department of Energy under the Federal Power Act of 1920 (See 33 CFR 322.5(i)(1)). If an application is received for a permit for lines which are part of such a water power project, the applicant will be instructed to submit a copy of the application to the Department of Energy.

2. Other Information. When considered appropriate by the Department, other information may be required prior to issuing an authorization to construct.

B. Authorization.

- 1. Effective Date of Authorization.** A permittee is authorized to construct on the date of the Department's letter to the permittee, and/ or the permittee's agent, giving notice of authorization.
- 2. Period of Authorization.** A permittee is authorized to construct for three (3) years after the date of the Department's letter giving notice of authorization. Construction must be completed within three (3) years of the date of the Department's letter, unless the authorization period is extended as set forth in Part III.B.3 of this General Permit.
- 3. Extension of Authorization Period.** A permittee may extend the period of authorization or time to construct, provided a request is submitted to the Department in writing prior to the "construction must be completed by" date in the Department's letter giving notice of authorization. The extension request must state whether there has been any change in the circumstances (e.g. application details) since the last authorization was granted and the reason for the extension of time.
- 4. Transfer of Authorization.** Authorizations under this General Permit are issued in the name of the applicant and may not be assigned to another without the written permission of the Department and the written agreement of the transferee to abide by all the terms and conditions of this General Permit.
- 5. Other Required Authorizations.** Construction authorized by this General Permit may also require Federal, State, and/ or local authorization(s).

All navigable waters of South Carolina are considered public trust properties owned by the State. The State of South Carolina is the custodian of these lands and/or waters, and it is within the interest of the State to protect the public interest in which these lands are held. Any easements requested across, over, under or through state-owned property, including marshlands and navigable waters, require the approval of the South Carolina Department of Administration, upon approval of the State Fiscal Accountability Authority. Real Property Services reviews and assesses all such easement requests and presents easement requests to the five-member State Fiscal Accountability Authority for final approval of those easement requests determined to be necessary and beneficial. Applicants must submit a completed easement application to Real Property Services. For details about this requirement, please visit the South Carolina Department of Administration website (https://admin.sc.gov/real_property/easements) or contact them directly.

South Carolina Department of Administration
1200 Senate Street
Columbia, SC 29201
Telephone: (803) 734-8120

The request for a State easement is the final step in the permitting process. All other required permits must be obtained prior to requesting the South Carolina Department of Administration and State Fiscal Accountability Authority approval.

IV. General Conditions

- A.** Authorization granted in accordance with this General Permit constitutes a revocable license to use the lands and waters within the jurisdiction of the State.
- B.** The Department may require the permittee to modify or remove activities or structures authorized herein if it is determined by the Department that such modification or removal is consistent with the requirements of R.19-450.
- C.** All activities authorized by this General Permit shall be consistent with and limited by the terms and conditions of this General Permit; any unauthorized activity different from or inconsistent with this General Permit may result in the modification, suspension, or revocation of the authorization in whole or in part, and the institution of such legal proceeding as the State of South Carolina may consider appropriate.
- D.** This General Permit does not convey, nor shall it be interpreted as conveying expressly or implicitly, any property right in the land or water in which the permitted activity is located. This General Permit shall not be construed or interpreted as alienating public property for private use, nor does it authorize the permittee to alienate, diminish, infringe upon or other-wise restrict the property rights of other persons or the public.
- E.** The grant, denial, modification, suspension, or revocation of an authorization or the removal of a structure authorized under R.19-450 shall not be the basis for any claim for damages against the State of South Carolina. In no way shall the State be liable for any damage as the result of the erection of permitted works.
- F.** Authorized activities must not block or obstruct navigation or the flow of any waters unless specifically authorized herein.
- G.** No attempt must be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the work authorized by this General Permit.
- H.** No spoil, dredged material, or any other fill material will be placed below the mean high water or ordinary high water elevation, unless specifically authorized herein.
- I.** The permittee must make every reasonable effort to perform the authorized work in a manner that will minimize adverse impacts to fish, wildlife, and water quality.
- J.** The permittee must maintain any authorized structure in good condition in accordance with approved plans and specifications.
- K.** The permittee must allow the Department or its authorized agents or representatives to make periodic inspections at any time deemed necessary to assure that the activity being performed is in accordance with the terms and conditions of this General Permit.

L. The Department may impose other project-specific special conditions on activities authorized pursuant to this General Permit that the Department determines are necessary to minimize adverse impacts to navigability or any of the public interest factors described under R.19-450.9 - Review of Comments and Action by the Department.

M. The Department may require an applicant to apply for authorization through the individual permit process with public notice requirements if it determines that authorization under this General Permit might result in more than minimal adverse impacts on navigability or any of the public interest factors described under R.19-450.9 - Review of Comments and Action by the Department.

V. Special Conditions

A. Special Conditions Applicable to all Activities

- 1.** The permittee must make every reasonable effort to locate utility line construction within existing crossing easements.
- 2.** This General Permit does not authorize any excavation or filling in wetlands or other Waters of the U.S.
- 3.** Prior to the work beginning, a silt fence, silt barrier or other suitable sediment control device(s) must be placed between the construction area and the adjacent waters and/ or wetlands. The device(s) must be kept in a functioning capacity until the construction area is stabilized.
- 4.** All necessary measures must be taken to prevent gasoline, oil, tar, trash, construction debris, and other pollutants from entering the adjacent waters and wetlands.
- 5.** Once construction is initiated, it must be carried to completion in an expeditious manner in order to minimize the period of disturbance to the environment.
- 6.** Upon completion of construction activities, all disturbed areas, including stream banks, must be permanently stabilized with native vegetative cover. Disturbed stream banks should be restored by planting native woody vegetation appropriate for the ecoregion and by using bioengineering techniques for stream bank stabilization.
- 7.** In accordance with the South Carolina Underwater Antiquities Act of 1991 (South Carolina Code of Laws, Section 54-7-610 et. seq.), a person may not knowingly recover, collect, excavate, or disturb a submerged archaeological historic property or submerged paleontological property on submerged lands over which the State has sovereign control without a license from the South Carolina Institute of Archaeology and Anthropology (SCIAA). If such property is discovered during construction, the permittee agrees to avoid construction activities that may affect the property, to notify the SCIAA, and to comply with all requirements of State law concerning the property.

B. Special Conditions Applicable to Directionally Bored Crossings

1. For all directionally bored crossings, entrance and exit excavations must take place entirely on high ground; that is, not in wetlands or other waters of the U.S.
2. All directionally bored crossings must have a minimum cover of 42 inches. A variance may be granted for good cause shown. Crossings of the Atlantic Intracoastal Waterway must maintain an elevation of -25.0 feet mean low water.
3. A remediation plan (or frac-out contingency plan) must be kept onsite for all directionally bored crossings. The plan should be designed to achieve the following objectives:
 - Minimizing the potential for a frac-out associated with drilling activities.
 - Providing for the timely detection of frac-outs.
 - Protecting environmentally sensitive areas including aquatic resources.
 - Ensuring an organized, timely, and appropriate response.
 - Ensuring that all appropriate notifications are made.

The plan should include preconstruction and construction measures, a list of responsible parties and responsibilities, incident response and follow-up procedures, and construction restart procedures. Incident response procedures must include a requirement to notify the Department's Division of Water Quality of any incidents.

4. Permittees must properly dispose of drilling fluid or mud in accordance with applicable requirements of State laws and regulations as administered by the SCDHEC Solid Waste Permitting and Monitoring Program.

C. Special Conditions Applicable to Aerial Crossings. Utilities consisting of cables, lines, or wires that cross over navigable waters aerially for the purpose of electrical power transmission must have sufficient clearance based on the low point of the cables, lines, or wires under conditions which produce the greatest sag, taking into consideration temperature, load, wind, length or span, and type of supports. The clearance must be such that the cables, lines, or wires do not pose a safety risk to boaters or interfere in any way with the existing or classified uses of the waterbody.

VI. Consistency with the South Carolina Coastal Zone Management Program

Construction authorized under this General Permit is consistent with the South Carolina Coastal Zone Management Program (48-39-10 *et. seq.*, and 15 CFR 93), provided the permittee adheres to all terms and conditions of this General Permit.

VII. Penalties for Violation

Any deviation from the terms or conditions of this General permit constitutes a violation of regulations and could result in removal of the structures or work, restoration of the waterway to its former condition, and/or imposition of penalties as provided by law.

VIII. Revocation of General Permit

This General Permit may be withdrawn by issuance of a public notice at any time the Department determines that the singular or cumulative effects of the activities authorized herein have an adverse effect on the public interest. Following such revocation, any future activities that would have qualified for authorization under this General Permit will be processed as individual permits.

IX. Duration of General Permit

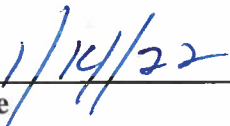
This General Permit authorizes construction started within five (5) years and completed within eight (8) years of the date of issuance of this General Permit unless this General Permit is revoked in the interim. Revocation of this General permit will not affect work authorized when the General Permit was in effect. If the expiration date of this General Permit is reached prior to the Department's issuance of a replacement General Permit, then this General Permit will remain in effect until a new General Permit is issued and/ or this General Permit is revoked.

This General Permit shall become effective on the date signed by the Department.

By authority of the South Carolina Department of Health and Environmental Control



Signature



Date



Title

Gaffney Board of Public Works
Love Springs Booster Pump Station
& Finished Water Main
Non-Mandatory Pre-Bid Meeting

B&V Project 410311
B&V File 80.0011
November 7, 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:

The construction of a new 670 gallon per minute (gpm) booster pump station located at the intersection of Sarratt School Road and Little Egypt Road in Gaffney, SC. Construction for the Love Springs Pump Station facility will include two (2) 670 gpm horizontal split-case centrifugal pumps (1 duty, 1 standby), adjustable frequency drives, a standby engine-generator, all associated piping and appurtenances required for operation, and all necessary sitework and erosion control.

Construction of approximately 18,600 linear feet of new 12-inch finished water transmission main along Love Springs Road, Beaver Ridge Road, and Beaver Dam Road to serve the new Love Springs Pump Station. Construction of the new finished water transmission main will include isolation valves, fire hydrants, blow-off valves, a horizontal directional drill (HDD) crossing below Thicketty Creek, sitework, and erosion control.

Construction will also include modifications to the existing Love Springs Road PRV vault, installation of a new Little Egypt Road PRV vault, and installation of a new South Green River Road PRV vault.

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).

The documents include:

- Specifications
- Love Springs Booster Pump Station & Finished Water Main Volume I Drawings (Pump Station)



- Love Springs Booster Pump Station & Finished Water Main Volume II Drawings (Water Main)
- Geotech Report (original)

D. Project Schedule

1. Questions must be received by 12:00 p.m. on November 17, 2023 (10 days before bid opening).
2. Anticipated final addendum will be issued no later than November 21, 2023.
3. Sealed bids must be received by 2 p.m. on November 29, 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 460 calendar days.
7. Final Completion shall be accomplished in 490 calendar days.

E. Questions and Answers

Addendum - All questions must be submitted to Engineer in writing and received by 12:00 p.m. November 17, 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 with 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 00100)
- 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) Water Construction Permit.
 - SCDHEC NPDES General Permit for Stormwater Discharges.
 - South Carolina Department of Transportation (SCDOT) Encroachment Permit.
 - SCDHEC Navigable Waters Permit.

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. 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.
- 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.

Should the Work require additional temporary easements, Contractor shall coordinate with property owners for temporary easements as required.



G. Other Project Information

1. Addendum - B&V anticipates issuing Addendum No. 1 no later than November 13, 2023. Addendum will include the following:

- Prebid meeting minutes
- Prebid sign-in sheet
- Answers to contractor questions
- SCDHEC Navigable Waters permit
- Love Springs Pump Station Lighting Schedule

B&V anticipates issuing an Addendum No. 2 no later than November 21, 2023, with any final Contractor questions and acquired permit documentation.

H. Construction Specific Considerations/ Requirements

1. Alternates – Addition alternates include:
 - Alternate No. 1 – Provide 200kW Emergency Standby Engine-Generator and Automatic Transfer Switch.

I. Questions

