



BID PACKAGE

GEORGETOWN COUNTY WATER & SEWER DISTRICT

SOLLIE CIRCLE WELL CONTROL PANEL REPLACEMENT

Mandatory Pre-Bid Meeting – September 9, 2026, at 10:00 AM

BIDS DUE September 28, 2026, at 2:00 PM

Contents

- **Instructions to Bidders**
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INSTRUCTIONS TO BIDDERS – SUMMARY

Project: CHEMICAL BULK STORAGE TANK PROJECT

Method: SEALED BIDS

Bid Closing: SEPTEMBER 28, 2026, at 2:00 pm
(BIDS RECEIVED AFTER 2:00 PM WILL NOT BE CONSIDERED)

Bid Delivery: By Mail to: Georgetown County Water & Sewer District
Attn: Sealed Bid – Control Panel Replacement
456 Clearwater Drive
PO Box 2730
Pawleys Island, SC 29585

Hand Deliver to:
Paul Muzyczyn, Water Operations Supervisor
Georgetown County Water & Sewer District
Administration Building
456 Clearwater Drive
Pawleys Island, SC 29585

Selection Criteria to Include:

- 1) Compliance with Specifications
- 2) Price
- 3) Warranty

INSTRUCTIONS TO BIDDERS

The Georgetown County Water and Sewer District will receive sealed bids for equipment, supplies, and services hereinafter described and specified, to be delivered to the specific location as stated in the specifications.

All bids must be in sealed envelopes and shall be in the hands of Paul Muzyczyn, Water Operations Supervisor, no later than date and time of opening, as specified in the invitation for bids. The bid opening will be held at date and time of opening in the Administration Building of the Pawleys Island location of the Georgetown County Water and Sewer District located at 456 Clearwater Drive, Pawleys Island, SC.

Sealed bids may be mailed to **Georgetown County Water and Sewer District, ATTN: SEALED BIDS, 456 Clearwater Drive. P.O. Box 2730, Pawleys Island, South Carolina 29585**, or delivered to **Paul Muzyczyn, Water Operations Supervisor, at the Administration Building of the Pawleys Island location of the Georgetown County Water and Sewer District located at 456 Clearwater Drive, Pawleys Island, SC.**

Bids shall be filled out where called for in the blank spaces on proposal forms. The signature shall be in longhand and shall be the legal name of the bidder, or the authorized signatory, and the completed form shall be without interlineation, alteration, or erasure.

No oral, telegraphic or telephone proposals or modifications will be accepted. The supplier, before submitting a bid, shall carefully examine the specifications to fully inform himself as to all conditions and limitations.

All items delivered shall be free from defects in materials and workmanship. Any and all items found to be defective or failing to meet specifications shall be deemed unacceptable, removed from the premises and replaced by the equipment manufacturer at no cost to the owner.

All bids shall remain in force for a period of **90 days** and may be accepted or rejected by the owner at any time prior to the expiration of this period.

The owner reserves the right to reject any/or all bids as may be deemed best for his interest, and reserves the right to award the contract or contracts to other than the low bidder if in the interest of ultimate economy and standardization to do so.

All bids received shall guarantee items bid to meet or exceed specifications listed. If quoting other than specified, pictures, description and specifications shall accompany all bids. Bidder shall specify make and model quoted.

Items furnished, as a result of this bid **shall be delivered** to purchaser and must meet or exceed the specifications indicated on the quotation sheet. Items not conforming to specifications may be rejected and returned at the vendor's expense.

All materials, equipment, etc., shall be new and of a kind specified, and shall be in undamaged condition when turned over to the owner. The vendor shall be responsible for making any claims for items received damaged in shipment.

All prices submitted on this proposal are to be delivered prices and shall include any state or local taxes.

Reference to the manufacturer's suppliers, catalog numbers, etc., is intended to set quality standards and does not exclude bids from others as long as quality standards are met. It is the owner's intent not to accept a lesser quality than is set forth in these specifications. Manufacturer's specifications shall prevail as if written in full detail.

All bidders are to submit bids on bid forms furnished by the Georgetown County Water and Sewer District, which are enclosed. All items must have a unit price.

Questions concerning this bid should be directed to Paul Muzyczyn, Water Operations Supervisor, Georgetown County Water and Sewer District (paulm@gcwsd.com).

**BIDDERS ARE REQUESTED TO RETAIN THESE SPECIFICATIONS,
CONDITIONS, AND INSTRUCTIONS FOR FUTURE REFERENCE.**

I. GENERAL INFORMATION

- A. All bids shall be returned on the form provided by the Georgetown County Water and Sewer District as a part of the Bid Package.
- B. All bid forms shall be signed and dated on the last page of each category by the vendor. If not signed and dated, it will be considered as non-responsive to the bid request.
- C. The Georgetown County Water and Sewer District may not award on the basis of low bid only. Quality, conformity with specifications, purpose for which required, terms of delivery, terms of payment, transportation, dates of delivery, past service, and experience are among the factors that may be considered in determining the responsible bidder.
- D. In the event the low bidder(s) refuses to accept the entire requirements without deviation, their bid will then be considered non-responsive. After refusal by the first bidder, the bid may be awarded to the next lowest bidder.
- E. Specifications are written as if in full detail. Use of specific names and numbers is not intended to restrict the bidding of any seller and/or manufacturer, but is solely for the purpose of indication the type, size, and quality of materials, products, service or equipment consideration best adapted to the District's intended use.
- F. The successful bidder shall guarantee all material for a period of not less than two (2) year against defects of material or workmanship. The guarantee shall be dated from the time of acceptance. The successful bidder shall replace any material proved to be defective (except when it is clearly shown that the defects are caused by misuse and not by the manufacturer) immediately upon notification. Additional warranty considerations may be a factor in the bid award.
- G. **QUALIFICATIONS.** CONTRACTOR represents and warrants that it has the expertise and qualifications to complete the services described in the specification (scope of work) listed below, and that every individual charged with the performance of the services has sufficient skill and experience and is duly licensed or certified, to the extent such licensing or certification is required by law, to perform the Services. CONTRACTOR shall perform all work in accordance with generally accepted business practices and performance standards of the industry, including all federal, state, and local operation and safety regulations.
- H. The Contractor shall have five years practical experience and successful history in the application of specified method and products in similar projects. **The Contractor shall substantiate this requirement by furnishing a minimum of five (5) reference project completions.** The Contractor shall possess the applicable license to perform the work as herein described and as specified by local, state and federal laws.

- I. Bids delivered in Federal Express, UPS, or any other such deliverer's envelope shall be sealed in a separate envelope inside the deliverer's packaging. Failure to do this may cause the bid to be inadvertently opened and thus rejected.

II. BID OPENING

- A. Bids will be opened publicly, in the presence of one or more witnesses at the time and location designated in the invitation to bidders. Bidders are not required but may choose to attend. The amount of each bid, together with the name of each bidder, shall be tabulated. The ranking of each bidder shall be made available to all bidders.

III. METHOD OF AWARD

- A. The Georgetown County Water and Sewer District reserves the right to accept the lowest bid on all items combined from one bidder or any feasible combination of bids by items from different companies that result in the lowest bid. The selected bid shall be accepted unconditionally without alteration or correction. The invitation for bids shall set forth the evaluation criteria to be used. Criteria not set forth in the invitation for bids may not be used in bid evaluation. Bids shall be evaluated based on the requirements set forth in the invitation for bids.
- B. The award will be given to the lowest responsive and responsible bidder or bidders meeting requirements and specifications.
- C. In the event the low bidder refuses to accept the entire requirements in a category without deviation, his bid may then be considered non-responsive.
- D. A refusal by the first low bidder may result in the bids being awarded to the next low bidder meeting requirements and specifications.
- E. The Georgetown County Water and Sewer District reserves the right to accept or reject any or all bids.
- F. Correction or withdrawal of inadvertently erroneous bids after award, or cancellation of awards or contracts based on such bid mistakes, may be permitted in accordance with such procedures as the District deems appropriate. After bid opening, no changes in bid prices, or other provisions of bids prejudicial to the interest of the District or fair competition shall be permitted.
- G. In the event two or more bidders are tied in price, while otherwise meeting all of the required conditions, an award shall be determined for procurements \$25,001 or more by the Board of Directors and for procurements \$25,000 or less by the Executive Director as follows, subject to the other applicable provisions of these regulations:
 - a. Should there be a Georgetown County firm tied with an out-of-county firm, the award shall be made automatically to the Georgetown County firm.
 - b. Should there be a South Carolina firm tied with an out-of-state firm, the award shall be made automatically to the South Carolina firm.

- c. Tie bids involving South Carolina produced or manufactured products when known, and items produced or manufactured out of the State shall be resolved in favor of the South Carolina product.
 - d. Tie bids involving Georgetown County firms shall be resolved by the flip of a coin by the Executive Director, witnessed by at least two people.
 - e. Tie bids involving South Carolina firms not located within Georgetown County shall be resolved by the flip of a coin by the Executive Director, witnessed by two people
- H. Award will be made on a unit price basis, extended price basis, or in any manner that will best serve the interest of the Georgetown County Water and Sewer District.
 - I. Until award, the District reserves the right to determine not to award the contract to any bidder or to determine to re-solicit bids based upon modified terms and conditions.
 - J. If an award is to be made, the award shall be made with reasonable promptness by written notice to the lowest responsible and responsive bidder which bid meets the requirements and criteria set forth in the invitation for bids after excluding from consideration any bid or bids if there is a compelling reason to reject such bid or bids.

IV. DEFAULT

- A. If at any time the vendor makes a delivery that is not in accordance with the instructions, conditions, and specifications set forth by the Georgetown County Water and Sewer District, without the consent of the District, such delivery shall constitute grounds for the cancellation of the contract and/or removal of this vendor from the Georgetown County Water and Sewer District's vendor list, for not less than one (1) year.
- B. Any vendor issuing any type of gift, premiums, or other type of favor to any employee of the Georgetown County Water and Sewer District shall constitute grounds for the cancellation of the contract and shall be excluded from the vendor list for all future purchases of the Georgetown County Water and Sewer District.

V. INSURANCE REQUIREMENTS

- A. The Contractor shall secure and maintain in effect for the period of the contract and pay all premiums for the following kinds and amounts of insurance.

- 1. Workers Compensation and Employer's Liability Insurance

This insurance shall protect the Contractor against all claims under applicable State Workers Compensation Laws. The Contractor shall also be protected against claims for injury, disease, or death of employees, which for any reason, may not fall with the provisions of the Workers Compensation Law. The liability limits shall not be less than the required statutory limits for Workers Compensation and Employer's

Liability in the amount of One Hundred Thousand Dollars (\$100,000) for each person. This policy shall include an “all status” endorsement.

2. Contractor’s Comprehensive Public Liability and Property Damage Insurance.

This insurance covers all operations in connection with the performance of this contract in amounts not less than the following:

Bodily injury liability in the amount of Five Hundred Thousand Dollars (\$500,000) for each person and One Million Dollars (\$1,000,000) for each accident and property damage liability in the amount of Two Hundred Fifty Thousand Dollars (\$250,000) for all damages arising out of the injury or destruction of property in any one accident and subject to that limit per accident a total or aggregate limit of Five Hundred Thousand Dollars (\$500,000) for all damages arising out of injury to or destruction of property during the policy period.

3. Liability and Property Damage Insurance

The Comprehensive Public Liability and Property Damage policies shall contain an endorsement to include the coverage of the following hazards:

- (1) Explosion, collapse, and underground property damage to include any damage or destruction of property below the surface of the ground such as wires, conduits, pipes, mains, sewer, etc. caused by the Contractors operations.
- (2) The collapse of any structure injury to any building, structure, or property on or adjacent to the site’s premises caused by the Contractor operations in the removal of other buildings, structures, or supports, or by excavation below the surface of the ground.
- (3) Contractual Liability Coverage for the” Hold Harmless” segment of the Contract Document.

4. Contractor’s Contingent, Protective Liability, and Property Damage

In case part of this contract is sublet, the Contractor shall secure contingent or protective liability and property insurance to protect him or her from any claims arising from the operations of the subcontractors in the execution of work included in the contract. In no case shall the amount of such protection be less than the limits of \$500,000/\$2,000,000 for public Liability insurance. The coverage in each case shall be acceptable to the Owner.

5. Automotive Public Liability and Property Damage

The Contractor shall maintain automobile public liability insurance in the amount of not less than Two Hundred Fifty Thousand Dollars (\$250,000) for injury to one

person and Five Hundred Thousand Dollars (\$500,000) for one accident; an automobile property damage insurance in the amount of not less than Two Hundred Fifty Thousand Dollars (\$250,000) for one accident to protect him or her from any and all claims arising out of the following:

- (1) Contractor's own automobile or trucks.
- (2) Hired automobiles or trucks.
- (3) Automobiles or trucks owned by the subcontractor(s)

The aforementioned is to cover the use of automobiles and trucks on and off the site of the project.

6. Owner's Protective Liability Policy

The Contractor shall maintain the Owner's Protective Liability Insurance with the (Company/Organization) as the named insured, and their servants, agents, and employees as additional insures in the amounts not less than the following:

Bodily injury in the amount of Five Hundred Thousand Dollars (\$500,000) for each person and One Million Dollars (\$1,000,000) for each accident and property damage liability in the amount of Two Hundred Fifty Thousand Dollars (\$250,000) for all damages arising out of the injury or destruction of property in any one accident and subject to that limit per accident a total or aggregate limit of Five Hundred Thousand Dollars (\$500,000) for all damages arising out of injury to or destruction of property during the policy period.

7. Excess Liability Insurance

The Contractor shall procure additional liability insurance and umbrella Liability Insurance. The Umbrella Insurance rider shall have in total or aggregate limit of Two Million Dollars (\$2,000,000) of coverage.

8. Indemnification

The Contractor shall defend, indemnify, and hold the District, its officers, agents, and employees, harmless against all liability, loss, or expenses, including attorneys' fees, and against all claims, actions, or judgments based upon or arising out of damage or injury (including death) to persons or property caused by any act or omission of an act sustained in connection with the performance of this Contractor by conditions created thereby, or based upon violation of any statute, ordinance or regulation.

REQUEST FOR BIDS

Sollie Circle Well Control Panel

1. GENERAL

Georgetown County Water and Sewer District is requesting sealed bids from qualified manufacturers, suppliers, and electrical control panel integrators for the furnishing of a complete groundwater well control panel. The control panel shall provide automatic control and protection of the groundwater well pump and associated chlorine booster pump.

The system shall be designed for a 480-volt, three-phase power supply and shall include a Variable Frequency Drive (VFD), automatic well blowoff sequence, and controls to start the chlorine booster pump following completion of the blowoff period.

The successful bidder shall furnish a complete turnkey groundwater well control system, including control panel fabrication, equipment, materials, installation, wiring, VFD setup, timer/relay controls, three-way blowoff valve operation, testing, startup, commissioning, training, and all incidental work necessary for a complete and operational system.

The turnkey work shall include removal of the existing control panel, installation and connection of the control panel, VFD, timer/relay controls, three-way blowoff valve controls, chlorine booster pump controls, field wiring, and all associated equipment required by this RFB.

The Contractor shall field-verify existing conditions, equipment, electrical service, control wiring, and the existing three-way blowoff valve and actuator at the mandatory Pre-Bid meeting.

This RFB is for a complete turnkey project. The Contractor shall furnish all labor, supervision, equipment, materials, tools, transportation, installation, electrical work, control wiring, conduit and fittings, valve actuator/control components, testing, startup, commissioning, and training necessary to provide a fully functional groundwater well control system.

1A. MANDATORY PRE-BID MEETING

All questions resulting from the pre-bid meeting/site visit shall be submitted to the Owner in writing. Responses that modify or clarify the RFB requirements will be issued to all registered bidders by written addendum.

Contact: Paul Muzyczyn

Location: 628 Sollie Circle, Georgetown, SC 29440

Time: 10:00 AM

Pre-Bid Meeting Date: September 9, 2026

Bidders are responsible for becoming familiar with existing site conditions prior to submitting a bid. Failure to attend the mandatory pre-bid meeting and site visit will be grounds for rejection of the bid.

- Ask questions regarding the scope of work and project requirements.
- Identify potential site-specific installation issues or conflicts.
- Review the required well blowoff and chlorine booster pump operating sequence.
- Identify existing equipment and components that will be incorporated into the new control system.
- Review the installation requirements for the new control panel.
- Review existing control wiring, electrical service, conduit, and field conditions.
- Inspect the existing three-way blowoff valve, actuator, piping, and associated equipment.
- Inspect the existing well pump and associated electrical equipment.
- Inspect the existing groundwater well control panel.

2. SCOPE OF SUPPLY

- NEMA-rated control panel enclosure suitable for the installation environment.
- 480 VAC, three-phase incoming power provisions.
- Variable Frequency Drive (VFD) for control of the groundwater well pump.
- Main disconnect.
- Circuit protection and overload protection.
- Control power transformer and associated control circuitry.
- Industrial control relays, interposing relays, and adjustable timer relays for automatic sequencing. No PLC shall be included.
- Local selector switches, pilot lights, and timer adjustments. No HMI shall be included.
- Automatic well pump start/stop controls.
- Well blowoff timer and sequencing controls, including automatic operation of the three-way blowoff valve.
- Chlorine booster pump start/stop controls.
- Interlocks between the well pump, three-way blowoff valve, blowoff sequence, and chlorine booster pump.
- HOA (Hand-Off-Automatic) controls for both well pump and Chlorine booster pump.
- Hour meter
- Terminal blocks for field wiring.
- Surge protection as appropriate.
- Internal panel lighting and service receptacle.
- All required relays, contactors, fuses, breakers, terminals, wiring, labeling, and miscellaneous components necessary for a complete system.
- Factory assembly and testing.
- Electrical schematics and documentation.
- Startup and commissioning assistance.

3. WELL PUMP VFD

The control panel shall include a VFD sized for the groundwater well pump horsepower and electrical characteristics.

1. Be rated for 480 VAC, three-phase service.
2. Be appropriately sized for the well pump motor.
3. Provide adjustable acceleration and deceleration.
4. Provide motor overload and protection functions.
5. The VFD shall be able to provide fault indication and diagnostic information.
6. Provide local and remote start/stop capability.
7. Provide adjustable minimum and maximum speed settings.
8. Provide adjustable speed control through the VFD keypad or approved local controls.
9. Provide operating status and fault signals to the PLC/SCADA system.
10. Be suitable for continuous-duty water/well pump applications.
11. Include bypass provisions only if specifically identified by the Owner.

The VFD shall be mounted within the control panel unless otherwise approved by the Owner.

4. WELL BLOWOFF SEQUENCE

The control panel shall provide an automatic well-blowoff sequence following initiation of a Normal Well start.

Normal Well Start

1. A demand for water or other programmed start condition initiates the well start sequence.
2. The well pump starts under VFD control.
3. The control system commands the three-way blowoff valve to the BLOWOFF position and starts the programmed blowoff timer.
4. During the blowoff period, the three-way blowoff valve shall remain in the BLOWOFF position, and the well shall discharge through the designated blowoff piping.
5. The blowoff timer shall be an adjustable industrial timer relay mounted within the control panel.
6. The control system shall prevent the chlorine booster pump from starting while the three-way blowoff valve is in the BLOWOFF position and the blowoff timer is active.
7. At completion of the programmed blowoff time, the control system shall command the three-way blowoff valve to the NORMAL/DELIVERY position. Normal operation shall not proceed until the valve reaches and confirms the NORMAL/DELIVERY position.
8. After the three-way blowoff valve reaches the NORMAL/DELIVERY position and all required permissives are satisfied, the chlorine booster pump shall be permitted to start.

The Owner shall be able to adjust the blowoff timer directly at the timer relay without changing wiring or replacing components.

5. CHLORINE BOOSTER PUMP CONTROL

The control panel shall provide automatic control of the chlorine booster pump following completion of the well blowoff sequence.

The chlorine booster pump shall not be permitted to operate during the programmed well blowoff period, unless specifically placed in an approved manual operating mode.

- Control relays and timer relays shall provide the start command to the chlorine booster pump.
- The booster pump shall start only when all required permissives are satisfied.
- The system shall monitor booster pump run status and fault status.
- The system shall provide an adjustable start delay between completion of the blowoff sequence and the chlorine booster pump.

The bidder shall include all control relays, interposing relays, starters, contactors, or other equipment required for the chlorine booster pump control.

The Contractor shall test the three-way valve and actuator through the complete operating sequence, including normal operation and failure-to-position conditions.

The valve shall provide confirmation of the BLOWOFF and NORMAL/DELIVERY positions. The control system shall include the necessary timer relays, control relays, valve actuator controls, position switches, auxiliary contacts, wiring, and interlocks for reliable automatic operation.

The Contractor shall provide complete automatic control and operation of the three-way blowoff valve as part of the turnkey project. The valve shall direct well flow to the designated blowoff discharge during the blowoff period and to the normal water delivery piping following completion of the blowoff period.

6. CONTROL SEQUENCE

The timer and relay control system shall provide the following general sequence:

Well Start Command → Three-Way Blowoff Valve to BLOWOFF Position → BLOWOFF Position Confirmed → Well Pump Start → Blowoff Timer → Blowoff Complete → Three-Way Blowoff Valve to NORMAL/DELIVERY Position → NORMAL/DELIVERY Position Confirmed → Chlorine Booster Pump Start → Normal Well Operation

The control system shall include appropriate permissives and interlocks to prevent improper sequencing.

- Well pump running.
- Well pump fault.
- VFD fault.
- Well pump available.
- Blowoff active.
- Blowoff complete.
- Chlorine booster pump running.
- Chlorine booster pump fault.
- Chlorine booster pump available.
- Loss of control power.

The final control sequence shall be reviewed and approved by the Owner prior to fabrication.

7. PANEL RELAYS

The panel shall use hardwired industrial control relays, interposing relays, and adjustable timer relays suitable for water treatment/water distribution applications. No PLC shall be included.

- Well pump status.
- VFD status and speed.
- Well pump fault indication.
- Well start/stop control.
- Blowoff status.
- Blowoff timer status.
- Adjustable blowoff timer setting.
- Chlorine booster pump status.
- Chlorine booster pump start/stop control.
- System permissive/interlocks.
- Operating hours.

Timer settings shall be clearly identified and accessible for adjustment by authorized utility personnel.

8. SCADA INTERFACE

The control panel shall provide hardwired dry-contact status and alarm points for integration into the Owner's existing SCADA system. No PLC or HMI shall be provided.

The bidder shall provide terminal blocks and dry-contact points necessary for SCADA integration. Communications equipment, PLCs, and HMIs are excluded.

Status

- Well pump running.
- Well pump stopped.
- Well pump fault.
- VFD fault.
- VFD speed.
- Well pump HOA status.
- Blowoff active.
- Blowoff complete.
- Chlorine booster pump running.
- Chlorine booster pump fault.
- Chlorine booster pump HOA status.
- Control power status.

Alarms

- Well pump fault.
- VFD fault.
- Chlorine booster pump fault..

Controls/Adjustments

- Well pump start/stop.
- Chlorine booster pump start/stop.

The bidder shall identify the proposed communications protocol and provide all required communication hardware.

9. PANEL CONSTRUCTION

The control panel shall be factory assembled and wired.

- Be appropriately NEMA rated for the installation environment.
- Be fabricated from suitable corrosion-resistant material.
- Include a lockable door.
- Include engraved or permanent component identification.
- Have neatly routed and labeled wiring.
- Include wire numbers corresponding to the electrical drawings.
- Include clearly identified terminal blocks for all field connections.
- Provide adequate space for maintenance and future modifications.
- Include a disconnecting means accessible from the exterior of the enclosure.

All components shall be industrial-grade and suitable for continuous operation in a water utility environment.

10. ELECTRICAL REQUIREMENTS

The control panel shall be designed for:

- Incoming Power: 480 VAC
- Phase: Three Phase
- Frequency: 60 Hz

The bidder shall verify all motor horsepower, full-load amperage, short-circuit current rating, and available fault current information prior to final fabrication.

- Main disconnect.
- Circuit breakers/fuses.
- Motor protection.
- VFD protection.
- Control circuit protection.
- Surge protection.
- Grounding provisions.
- Control power transformer.
- Terminal blocks.
- Field wiring provisions.

The final panel SCCR shall be identified on the panel nameplate.

11. SAFETY AND INTERLOCKS

The control system shall incorporate appropriate safety interlocks to prevent equipment damage and unsafe operation.

The emergency stop circuit shall remove the ability of the well pump to operate and shall place the associated equipment in a safe condition.

The system shall be designed so that a failure of the control system does not create an unsafe condition.

Manual operation shall not defeat required safety devices or equipment protection.

12. FACTORY TESTING

Prior to shipment, the successful bidder shall perform a complete factory acceptance test of the control panel.

- Verification of panel wiring.
- Verification of component operation.
- Verification of VFD operation.
- Verification of timer and relay logic.
- Verification of local switches, pilot lights, and timer operation.
- Verification of blowoff timer operation.
- Verification of well pump sequence.

- Verification of chlorine booster pump sequence.
- Verification of alarms.
- Verification of interlocks.
- Verification of SCADA input/output points.

The Owner shall have the option to witness factory testing.

13. STARTUP AND COMMISSIONING

The successful bidder shall provide startup and commissioning services.

- Verification of field wiring.
- Verification of motor rotation.
- VFD setup and programming.
- Timer and relay configuration.
- Testing of the well pump and three-way blowoff valve sequence.
- Testing of the blowoff timer.
- Testing of three-way blowoff valve operation and chlorine booster pump startup following blowoff.
- Testing of all required interlocks.
- Testing of alarms.
- SCADA communication verification.
- Operator training.

The bidder shall include all labor, travel, and expenses necessary to complete startup and commissioning.

14. DOCUMENTATION

- Electrical schematics.
- Control panel layout.
- Panel wiring diagrams.
- Control relay/timer and dry-contact I/O schedule.
- Timer and relay control documentation.
- Not applicable – no HMI is included.
- VFD programming parameters.
- Equipment manuals.
- Manufacturer data sheets.
- Recommended spare parts list.
- Factory test documentation.
- Startup/commissioning report.
- Final control narrative.
- SCADA point list.
- As-built drawings.

All documentation shall be provided prior to final payment.

15. WARRANTY

The complete control panel and associated components shall be warranted against defects in materials and workmanship for a minimum of one (1) year from the date of successful startup and acceptance by the Owner.

The bidder shall identify any manufacturer warranties that exceed the one-year minimum.

SCADA integration shall be accomplished through hardwired dry contacts for required status and alarm points. SCADA programming and central SCADA equipment shall be by the Owner unless specifically identified as an alternate.

All timers shall be industrial-grade, adjustable, and clearly identified. Timer settings shall be accessible for authorized maintenance personnel.

The blowoff sequence and chlorine booster pump startup sequence shall be accomplished entirely through hardwired timer and relay logic. The system shall be readily serviceable by utility electrical and instrumentation personnel without PLC programming software.

The groundwater well control panel shall use a hardwired control system consisting of industrial control relays, interposing relays, adjustable timer relays, selector switches, pushbuttons, pilot lights, and the VFD's integral controls. No PLC, HMI, touchscreen, or programmable controller shall be included in the base bid.

16. BID REQUIREMENTS

Bidders shall provide a lump-sum price for the complete turnkey groundwater well control project, including furnishing, installation, testing, startup, commissioning, and all services and materials described in this RFB.

- Control panel.
- VFD.
- Electrical components.
- Enclosure.
- Factory assembly.
- Programming.
- Factory testing.
- Documentation.
- Startup.
- Commissioning.
- Operator training.
- Freight and delivery.
- All incidental materials necessary for a complete and operational system.

Any exclusions shall be clearly identified in the bid proposal.

17. OWNER-PROVIDED INFORMATION

The Owner will provide final equipment information required for panel fabrication, including:

- Well pump horsepower.
- Well pump motor information.
- Chlorine booster pump horsepower and motor information.
- Existing control system information.
- Field device information.
- Required blowoff duration.

The successful bidder shall review all available information and notify the Owner of any discrepancies prior to fabrication.

The Owner reserves the right to reject any or all bids, waive informalities, and select the bid determined to be in the best interest of the Owner.

No additional payment shall be made for items reasonably required to provide a complete and operational tank system unless specifically identified as an approved change order.

The Contractor shall provide all necessary services, labor, tools, materials, equipment, vehicles, and instrumentation for the scope of services under this RFB. These items of equipment are considered necessary items for a qualified bidder, and separate charges for use of these items in the course of the work will not be paid by the District. No additional compensation for travel and mileage to or from the pump station shall be billed. Work performed by the Contractor will be subject to inspection and testing by the District. Any work found to be defective or unsatisfactory shall be repaired or replaced by the Contractor at the Contractor's expense.

BID FORM

OWNER: **GEORGETOWN COUNTY WATER & SEWER DISTRICT**
456 CLEARWATER DRIVE
POST OFFICE BOX 2730
PAWLEYS ISLAND, SOUTH CAROLINA 29585

CONTACT: **Paul Muzyczyn – paulm@gcwsd.com**

PROJECT IDENTIFICATION: Sollie Circle Well Control Panel Replacement

PROJECT: Georgetown County Water & Sewer District (“District”) is soliciting sealed bids for the removal of the existing control panel, furnishing, delivery, installation, testing, startup, and commissioning of one Groundwater Well control panel per Bid Specification

VENDOR: _____

ITEM NO.	ITEM DESCRIPTION	
1.	Removal of Existing Control Panel, Furnishing, delivery, installation, testing, startup, and commissioning of one Groundwater Well control panel per Bid Specification	
3.	Delivery time after receipt of order (weeks)	

Authorized Signature: _____

Position or Title: _____

REFERENCES

Georgetown County Water & Sewer District

List below at least five (5) references for similar projects, including all information requested. THIS PAGE MUST BE COMPLETED. If Bidders wish to keep their references confidential, this page may be removed from the bid package and submitted with the bid in a separate sealed envelope marked "REFERENCES – CONFIDENTIAL". The District is not responsible for maintaining the confidentiality of the references unless this procedure is followed.

1) Client

Project Address

Approximate \$ Value _____ Date: Started _____ Completed _____
Contact Name: _____ Telephone #: _____

2) Client

Project Address

Approximate \$ Value _____ Date: Started _____ Completed _____
Contact Name: _____ Telephone #: _____

3) Client

Project Address

Approximate \$ Value _____ Date: Started _____ Completed _____
Contact Name: _____ Telephone #: _____

4) Client

Project Address

Approximate \$ Value _____ Date: Started _____ Completed _____
Contact Name: _____ Telephone #: _____

5) Client

Project Address

Approximate \$ Value _____ Date: Started _____ Completed _____
Contact Name: _____ Telephone #: _____

Company

Bid Title