

Sewer Lift Station Refurbishment w/ Addendum

Henry Horton State Park

4209 Nashville Hwy

Chapel Hill, TN 37034

This request for bids is for a contract to furnish all material, equipment, supplies and labor necessary to refurbishment of the sewer lift station to include pump and control replacement.

General Conditions

- 1) On-site work shall be performed between contract award and August 30, 2024, unless an exception is granted by the Facilities Management Regional Manager.
- 2) The Contractor shall possess a BC-B, BC-C, MU – A, or MU-B contractor license.
- 3) All work shall comply with state-approved versions of the International Building Code, standards, regulations, other applicable codes, manufacturer's recommendation, and best practices. Contractor is responsible for all permits and associated fees.
- 4) Only the Facilities Management Office can approve any alterations, modifications, or substitutions to the written scope, specifications, or requirements of the project. No additional work shall be authorized unless pre-approved by the Facilities Management Office.
- 5) The Contractor shall keep the jobsite clean and safe and leave it in a neat and tidy manner.
- 6) All material substitutions must be pre-approved.
- 7) All materials shall be installed per manufacturer's recommendation and best practice.
- 8) All dimensions listed are approximate. The Contractor is responsible for verifying actual dimensions prior to ordering any materials or bidding. No allowances shall be made due to any bidder neglecting to visit the site and verifying dimensions and conditions.
- 9) All bids over \$100,000 shall include provisions for a payment bond in the amount of twenty-five percent (25%) of the contract price.

General Scope of Work

Description of Demolition or Associated Work

Demolition - properly dispose of all debris off- property in accordance with all applicable laws and regulations unless otherwise noted.

- 1) Demo existing pumps, bases, and electrical controls.

New Work

- 1) The Contractor shall provide and install bypass connection in discharge line including 4-inch camlock fitting and plug valve, 4-inch tapping sleeve and tapping valve, and hot tap the discharge line to the Wastewater Treatment Plant. The City of Chapel Hill will provide and operate bypass pump equipment during the on-site work.
- 2) The Contractor shall provide and install two 7.5-horsepower submersible sewage pumps with 230 volts, 3 phase, submersible motor, dual seals, 50-foot cord, recessed vortex impeller sized for 80 gallons per minute at 73-foot Total Dynamic Head.
- 3) The Contractor shall provide and install two cast iron pump base elbows, 4-inch ANSI flange, stainless steel upper guide rail brackets, and stainless-steel pump lifting chains.
- 4) The Contractor shall provide and install 2-inch stainless steel pipe for pump guide rails.
- 5) The Contractor shall provide and install one Duplex Pump Control Panel, NEMA 4X stainless steel enclosure, phase monitor, pump breakers, control breaker, IEC contactors and overloads, inner door mounted: HOAs, run lights, seal fail lights, over temp lights, elapsed time meters, pump alternator with lead selector switch, pump monitoring relays for moisture and thermals, FOG rod for level control, top mounted alarm light with audible buzzer, dry contacts for alarm monitoring.
- 6) The Contractor shall provide and install 5-foot FOG, conductive probe for level control.
- 7) The Contractor shall provide and install 4-inch flanged lever and weight check valves to AWWA spec.
- 8) The Contractor shall provide and install 4-inch mechanical joint, direct bury valves with gear operator.
- 9) The Contractor shall provide and install new pump base 90's and rail brackets with stainless steel rail guides.
- 10) The Contractor shall fabricate and install new 4-inch stainless steel riser pipes in wet well (existing pipe through wet well wall and out to be reused).
- 11) The Contractor shall provide and install new check valves in the existing valve pit.

- 12) The Contractor shall provide and install and wire new control panel to existing disconnect and transfer switch.
- 13) The Contractor shall set pumps and confirm operation.

Addendum

- 14) The Contractor shall provide and install two 8-foot x 6-foot x 6-foot concrete vaults to house the bypass valves and to replace the existing concrete vault.

Approved Brands and Specifics (or Pre-approved Equal)

Item	Approved Brand or Pre-Approved Equal	Specific Requirements
Submersible Sewage Pump	KSB or Grundfos	

Specific Instructions

Additional Conditions

- 1) All aspects of this job shall be left in a finished condition; all finish work and final cleanup are included in this contract.
- 2) The Contractor shall be responsible for determining where all utilities are on the job site and take care to protect the utilities from any damage caused by the demo/construction. This shall include any underground utilities around the job site area. If damage occurs, the Contractor shall repair the damage within a 24-hour period from the time damage occurs.
- 3) The Contractor shall perform work on regular time and shall invoice work time and material not to exceed the quoted price. Any variance in quote shall be addressed only with a representative of the Facilities Management Regional Office before any additional work is undertaken or materials ordered.
- 4) Work shall be scheduled to avoid any interference with normal operation of the park as much as possible. During the construction period, the Contractor shall coordinate construction schedules and operations with the park manager. **Work shall be conducted during the normal business hours of Monday through Friday, 8:00 a.m. to 4:30 p.m., unless an alternate schedule is approved by Facilities Management.**

- 5) The Contractor shall schedule and attend a pre-construction conference where a pre-construction form shall be signed by Facilities Management, Contractor and City representative before work can begin. Contractor shall also schedule and attend a final inspection where a final inspection form shall be signed by Facilities Management, Contractor and City representative before final invoice shall be paid.
- 6) The Contractor shall protect areas adjacent to his work and shall be required to repair any damage they may cause. Contractor shall protect work of other trades.
- 7) Workmanship is to be warrantied for not less than one year from date of final inspection. Materials shall be warrantied as per manufacturer's warranty.
- 8) Unless otherwise indicated, all materials, equipment, and supplies shall be new and in good condition, UL listed when applicable, and all work accomplished in a manner acceptable to Facilities Management.
- 9) Clean up of the project site shall be the responsibility of the Contractor. Contractor shall assure that job site is clean of nails, debris, etc., at end of each day to ensure safety. Contractor shall clean up and haul away all scrap when work is completed to a location off state property in accordance with all applicable laws and regulations.
- 10) The Contractor, employees, and sub-Contractors shall be licensed, certified, or registered as required. They shall be registered in the State of Tennessee Edison purchasing system.
- 11) The State of Tennessee shall not be held liable for any damage, loss of property, or injury of personnel resulting from actions of the Contractor and/or his/her sub-Contractors or employees.
- 12) At all times, the Contractor shall have a copy of project specifications, permits, and certificate of insurance on-site.
- 13) Invoice shall be submitted for payment within 10 days of project completion. A copy of the invoice shall be submitted to:

Teresa Bell
615-210-1712
2000 Jackson Hill Road, Burns, TN 37029
teresa.bell@tn.gov

- 14) Facilities Management Regional Contact for this project is:

Regional Manager: Don Myatt, 615-797-9701, don.myatt@tn.gov.

Project Manager: Tim Stewart, 615-517-0598, tim.stewart@tn.gov

Nothing Follows