



Post Office Box 207 · Shelby, NC 28151-0207

Bid Proposal Request

To: Utility Contractors

Cc: Brian Wilson, Director of Water Resources; Cameron Howell, Project Coordinator; Chad Hubbard, Field Operations Sewer Line Superintendent

From: Brad Greene, Water Resources Operations Manager

Date: May 18, 2026

Re: Bid Proposal Request for the Hendrick Basin Outfall Sewer Replacement Project

All,

The City of Shelby would like your company to submit a bid for the Hendrick Basin Outfall Sewer Replacement Project located near the address of 406 Floyd Street. Work will take place within the sewer right-of-way and will not require trench pavement repair.

The contact regarding this project will be Brad Greene, Water Resources Operations Manager for the City of Shelby. Prospective bidders may make all inquiries to obtain clarification of the requirements contained in this Bid Proposal Request. All inquiries must be submitted in writing by email to the following address: brad.greene@cityofshelby.com. All inquiries must be received no later than 4:00 pm on May 28, 2026.

If you would like to schedule a time to meet and discuss the project on site, please contact Brad Greene by email or you can call 980-295-9614.

The project bid will be a unit price bid. Submitters must use the bid form provided.

The project will carry a one (1) year warranty beginning at Final Completion.

The contractor will be responsible for calling in utility locates in accordance with NC Underground Utility Safety and Damage Prevention Act.

A preconstruction meeting will be required prior to the start of construction activities.

Bids must be completed using the provided Bid Form. Bids must be delivered (sealed bids) to the City of Shelby Utility Operation Center at the address listed below by **3:00 pm local time on Thursday, June 4, 2026.**

City of Shelby Utility Operation Center
Attn: Brian Wilson; Director of Water Resources
824 West Grover Street, Shelby, NC

The contract award will be based on Project Total Price

Below you will find the list of services that will need to be completed as part of this project. Pricing shall include labor and material for the following:

Hendrick Basin Outfall Sewer Replacement Project

- Replace 500 feet of the existing 10-inch VCP with a new 10-inch SDR21 PVC pipe.
- Replace one (1) existing brick manhole with a new four-foot diameter precast manhole. Manhole Depth range is 0-6 feet. Approximate depth of the existing manhole is 4.6 feet.
- Replace two (2) existing brick manholes with new four-foot diameter precast manholes. Manhole Depth range is 6-13 feet. Approximate depth of each of the two existing manholes are 13 feet and 9.5 feet.
- Install 12-gauge solid copper tracer wire on all newly installed sewer main.
- Bypass pumping and equipment.
- Sewer Service Reconnections, with new cleanouts, to the new sewer main. If Applicable the sewer services shall be installed to five (5) feet behind the existing curb or edge of asphalt. A new clean out shall be installed at the back of the curb or asphalt before re-connecting to the existing service line.

Approved Materials

- A. Earth materials utilized for bedding and haunching shall be suitable materials selected from materials excavated from the trench. Suitable materials shall be clean and free of rock larger than 2-inches at its largest dimension, organics, cinders, stumps, limbs, frozen earth or mud, man-made wastes and other unsuitable materials. Should the material excavated from the trench be saturated, the saturated material may be used as earth material, provided it is allowed to dry properly, and it can meet the specified compaction requirements. When necessary, earth bedding and haunching materials shall be moistened to facilitate compaction by tamping.
- B. Suitable backfill includes, but not limited to washed stone, ABC stone, and dry uncontaminated soil.
 - a. For paved areas, compacted select backfill shall meet 95% standard proctor compaction requirements and be installed in 6" lifts.
 - b. For paved areas the last 8" of ABC backfill shall be compacted to 100% standard proctor and shall be installed in 3" lifts.
 - c. All other backfill materials shall be approved by the City of Shelby prior to use.
 - d. New asphalt overlay shall be 4" of S9.5B.
 - e. See City of Shelby Standard Detail 3.01 for further details on asphalt trench repairs.
- C. The sewer main piping shall be SDR-21 PVC with a minimum of 20-foot lay lengths with push on joints.
- D. Protecto 401 lined ductile iron sewer pipes shall be 20-foot lay lengths with push on joints except where mechanical couplings are needed for connecting to PVC SDR21 pipe.
- E. Sewer Service Connections
 - a. Flexible or rigid couplings are acceptable for reconnecting to existing sewer services.
 - b. Sewer service connections shall be installed to conform to the City of Shelby standard detail 7.01A, B.
- F. Manholes
 - a. Shall be precast concrete construction
 - b. Shall have concentric cones
 - c. Each manhole joint shall have 1- inch diameter butyl rubber sealant, exterior shall be wrapped with heat shrinkable wrap, and the interior joints shall be grouted.
 - d. Manhole rings on covers in roadways shall be flush with the existing pavement.

- e. New manhole covers shall conform to the City of Shelby standard detail 7.12A, B, C.
- G. Service line taps shall be a Romac 4-inch (CB-4.80UN) and 6-inch (CB-6.66UN) sewer saddles with a 3.5-inch-wide stainless steel adjustable strap or approved equal.

Testing Requirements

A. Sewer Gravity Main Pressure Testing:

- a. A low-pressure air test shall be performed by the contractor after the pipeline is completely backfilled and before placing into service.
- b. The contractor shall use an approved pressure gauge of a minimum 4" diameter and shall have a maximum pressure reading of 15 PSI.
- c. Each section of sewer gravity line shall be tested in accordance with ASTM C-858.
- d. Pressure test should be conducted at 4 PSI and shall not drop more than 1 PSI in the allotted time.
- e. Any obvious leaks shall be repaired regardless of test results.
- f. The city must be present during testing to observe and verify compliance.

B. Mandrel Testing:

- a. Mandrel test shall be performed after the backfill has been in place for at least 30 days.
- b. Perform the deflection test using the "Go, No Go" mandrel
- c. Mandrel diameter shall not be less than 95 percent of the base or average I.D. of the pipe
- d. The deflection test shall be performed without mechanical pulling devices.
- e. The city must be present during testing to observe and verify compliance

C. Tracer Wire Continuity Testing:

- a. Tracer wires shall be installed on all non-metallic water and sewer pipes. Tracer wires shall be a minimum of 12-gauge solid copper-clad steel wire with a durable insulation coating. Tracer wire shall be continuous and installed with proper grounding at designated locations.
- b. Continuity testing shall be performed after installation, before backfilling, and again after final backfill. Testing shall verify that the tracer wire is unbroken and provides a continuous conductive path for locating equipment. Testing shall be performed using an approved signal transmitter and receiver device. Any breaks, splices, or damage to the wire detected during testing shall be repaired in accordance with the manufacturer's recommendations and retested. Splices shall be watertight and made using approved connectors rated for direct burial.
- c. The engineer shall be present during all stages of tracer wire continuity testing to verify results. All test results, including locations of repairs or splices, shall be documented and submitted to the engineer for review.
- d. The city must be present during testing to observe and verify compliance.

D. Manhole Testing

- a. Each manhole constructed shall be vacuum tested by the contractor.
- b. Prior to test the manholes shall be cleaned out.
- c. The test shall be conducted in accordance with ASTM C-1244.
- d. The contractor shall use an approved vacuum gauge; the gauge shall be a minimum 4" diameter.
- e. The test shall be performed after all grade rings, rings and covers have been installed.
- f. The manhole shall be tested at 10 inches of mercury and the time for the vacuum to drop to 9 inches of mercury must be greater than the ASTM C1244 standard allows for each manhole depth.
- g. The city must be present during testing to observe and verify compliance.

Special Requirements

- A. Sewer mains can be temporarily re-connected at the end of each workday so that bypass pumping does not have to run continuously.

Insurance Requirements

- A. Before starting work, Contactor shall furnish evidence of insurance from companies that are duly licensed or authorized in the jurisdiction in which the project is located. Contractors shall provide insurance in accordance with the following:

- 1. Contractor shall provide coverage for not less than the following amounts, or greater when required by Laws & Regulations

- a. Workers' Compensation

State:

Statutory

Employers Liability:

Bodily Injury, Each Accident \$500,000.00

Bodily Injury by Disease, Each Employee \$500,000.00

Bodily Injury/Disease Aggregate \$500,000.00

- b. Commercial General Liability:

General Aggregate \$2,000,000.00

Product-Completed Operations Aggregate \$2,000,000.00

Personal and Advertising Injury \$1,000,000.00

Each Occurrence (Bodily Injury & Property Damage) \$1,000,000.00

- c. Automobile Liability:

Combined Single Limit – Any Auto: \$1,000,000.00

- d. Excess or Umbrella Liability:

Per Occurrence: \$2,000,000.00

General Aggregate: \$2,000,000.00

- B. Umbrella or excess liability insurance shall be written over the underlying employers' liability, commercial general liability and automobile liability insurance.
- C. Provision or endorsements to the required insurance shall be included stating that coverage will not be canceled, changed or refused to renew without a written notice given to the insured at least 10 days prior.

- D. Automobile liability insurance provided by the Contractor shall provide coverage against claims for damage because of bodily injury or death of any person or property damage arising out of ownership, maintenance, or use of any motor vehicle. Automobile liability policy shall be written based on occurrence.
- E. Failure to obtain and maintain the required insurance by the Contractor can result in the City of Shelby terminating the Contractor from the project.
- F. Contractor's General Liability policy shall be endorsed, specifically or generally, to include the following as Additional Insured:
 - a. CITY, ITS OFFICERS, AGENTS, AND EMPLOYEES ARE INCLUDED AS ADDITIONAL INSURED WITH RESPECT TO THE GENERAL LIABILITY INSURANCE POLICY.

Bid Form
Hendrick Basin Outfall
Sewer Replacement Project



The following shall be included in your proposal for the Hendrick Basin Outfall Sewer Replacement Project:

Hendrick Basin Outfall Sewer Replacement Project

Item	Qty.	Unit	Unit Price	Total
Mobilization	1	LS		
10-inch SDR-21 Gravity Sewer	500	LF		
4' Precast Manholes 0-6' Depth	1	EA		
4' Precast Manholes 6-13' Depth	2	EA		
Sewer Service Reconnection	1	EA		
Bypass Pumping	1	LS		
			Subtotal	

Project Total Price: _____

Project Total (in words): _____

Company Name: _____ State Contractor License No.: _____

Representative Signature: _____

Printed Name: _____

Title: _____

Date: _____