

INVITATION FOR BIDS
GLEBE HARBOR/CABIN POINT CLUBHOUSE WATERLINE REPLACEMENT
GLEBE HARBOR/CABIN POINT SANITARY DISTRICT
Administered by Westmoreland County, Virginia

The County of Westmoreland, Virginia is requesting sealed bids for the Glebe Harbor/Cabin Point Clubhouse Waterline Replacement Project consisting of but not limited to disconnecting the domestic waterline at the Virginia American Water Company meter and replacing the waterlines serving the clubhouse. The crossing of Glebe Harbor Drive and crossing the eastern leg of the clubhouse driveway shall be done in a directional drill application of a casing pipe with a water carrier pipe inside. Other portions of the new pipeline may be installed open cut excavation, however any crossing of a clubhouse driveway shall not disturb the driveway or sidewalk, and must instead be bored or tunneled. No casing pipe will be required for these crossings. Disinfection and testing of the completed installation and pressure/leak testing will be required. The work and testing shall be done to minimize the interruption of the Clubhouse use and water service. The project is on behalf of the Glebe Harbor/Cabin Point Sanitary District and will be administered by Westmoreland County.

A more detailed scope of work is included in the scoping, drawings, and bidding documents.

Bids provided on the forms furnished by the County will be received by the County of Westmoreland, ATTN: Norm Risavi, County Administrator, until 10:00 a.m. on Thursday, August 26, 2021.

Bid documents may be obtained in person, by calling the County Administrator's office at (804) 493-0130 or online at www.westmoreland-county.org.

Westmoreland County reserves the right to reject any and all bids and to award the contract in the best interest of the County. Project award will be made in compliance with the Virginia Public Procurement Act.

All bids received after the appointed date and hour for receipt, whether by mail or otherwise, will be returned unopened. Bidders have the sole responsibility for assuring that bids are received in the County Administrator's office by the designated date and time. If bids are mailed, hand delivered, or delivered by express mail, they must be delivered to the County Administrator's office at the address shown below. **Faxed, electronic, or oral bids will not be accepted.**

Norm Risavi, County Administrator
Westmoreland County
P.O. Box 1000
111 Polk Street
Montross, VA 22520

All inquiries for information should be directed to Dave Taylor at phone: (804) 493-0659 or by electronic mail address: dtaylor@westmoreland-county.org.

Note: This public body does not discriminate against faith-based organizations in accordance with the *Code of Virginia Subsection 11-35.1* or against any bidder or offeror because of race, color, sex, national origin, age, disability or any other basis prohibited by state law relating to discrimination in employment.

Date of Issue: August 4, 2021

WORK SCOPES & SPECIFICATIONS
GLEBE HARBOR/CABIN POINT CLUBHOUSE WATERLINE REPLACEMENT
Glebe Harbor/Cabin Point Sanitary District
Administered by Westmoreland County, Virginia

BACKGROUND

As background, the Clubhouse is supplied water by the Virginia American Water Company. The swimming pool facilities are supplied water by the clubhouse's private water well works. The system providing water to the Clubhouse experienced a leak. The contractor who hooked up the facility's sewer connection to the county sewer system made the repair to the onsite water pipe leak and discovered that the piping in use is a gray plastic pipe which looks like electrical conduit – a completely inappropriate use of the gray pipe and when used as water pressure piping is very susceptible to leaks. It was recommended that the gray piping be replaced with the appropriate materials, joints, and fittings for a potable water pressure system. This project proposes the work necessary to disconnect the gray pipe system, abandon it in place, and replace it with the appropriate materials.

Searches for drawings, sketches, layouts, and specifications for the existing Clubhouse water supply turned up no records for the onsite system. The searches included clubhouse files, water company records, health department files, and county files. The drawing for the proposed waterlines and the quantities shown are based on field observations and best recollections available. Contractors preparing quotes should make field visits to understand the nature of the work. Quotes will be on a lump sum basis based on this best available information. Unit costs factors are being solicited for the two primary pipe sizes in the event that appreciable differences in a field condition or quantity is discovered.

APPROXIMATE QUANTITIES

2" HDPE water pipe in HDPE casing pipe crossing Glebe Harbor Drive and eastern leg of Clubhouse driveway	95 L.F.
2" HDPE water pipe	135 L.F.
1" HDPE water pipe	130 L.F.
2" valves and valve boxes	2 each
1" valves and valve boxes	2 each

SPECIFICATIONS AND APPROACH TO THE WORK

General

The Contractor is responsible for obtaining all necessary permits.

The Contractor is responsible for coordinating the work through the Virginia Utility Protection Service (VUPS) or Miss Utility of Virginia.

The Contractor is responsible for complying with all erosion and sedimentation (E&S) control requirements and laws, and providing restoration of all surface disturbance.

The Contractor is responsible for minimizing interruption of Clubhouse activities and water service.

Generally, the scope includes but may not be limited to mobilization/demobilization, directional bores, pipeline installation including all piping, all fittings, and all valves, disinfection, testing, and restoration of surface disturbance to include seeding and mulching.

Specifications/Approach

The bore of a high density polyethylene (HDPE) casing pipe under Glebe Harbor Drive and the eastern leg of the Clubhouse driveway shall be performed in one piece as shown on the drawing. The carrier pipe inside the casing pipe shall be HDPE water distribution pipe for potable water systems. The HDPE carrier pipe and all water service pipe shall be minimum DR 11. All fittings shall be of the same material as the piping and all joints shall be heat fused joints.

Valves shall be gate valves or equivalent, suitable for potable water service. Plastic valve boxes shall be provided for each valve and a minimum of one valve operational tool shall be provided for each type of valve operator.

Installation

HDPE water carrier pipe in HDPE casing pipe crossing Glebe Harbor Drive and the eastern leg of the Clubhouse driveway. Casing pipe shall be installed by directional drilling.

No Clubhouse driveways or sidewalks are to be disturbed if crossing(s) of such are required. Crossings shall be either directional drilled or tunneled using HDPE carrier pipe. No casings will be required on internal Clubhouse property crossings of driveways or sidewalks.

All other HDPE pipeline installation shall be installed per the contractor's choice of method to include open trench excavation with backfill compaction, plowing, or directional drilling.

Install marking tape/detection wire along all pipe segments including directional drill, open cut trench excavation, or other installation methods.

Disinfection of Waterlines

Prior to disinfection, all waterlines shall be flushed. Disinfection shall be done by chlorine application in accordance with AWWA methods and standards. After retention, heavily chlorinated water shall be flushed. Testing for bacteriological analysis shall be done on two samples taken 24 hours apart. If contamination is indicated, then the disinfection procedures must be repeated.

Pressure and Leakage Testing

Pressure and leakage testing shall be conducted. All visible leaks shall be repaired regardless of the amount of the leakage.

Connections

Disconnect existing line at water meter and connect 2" HDPE water pipe to meter. Connect two 1" HDPE water pipes to two Clubhouse 3/4" copper lines through proper reducers/bushings, fittings and adapters.

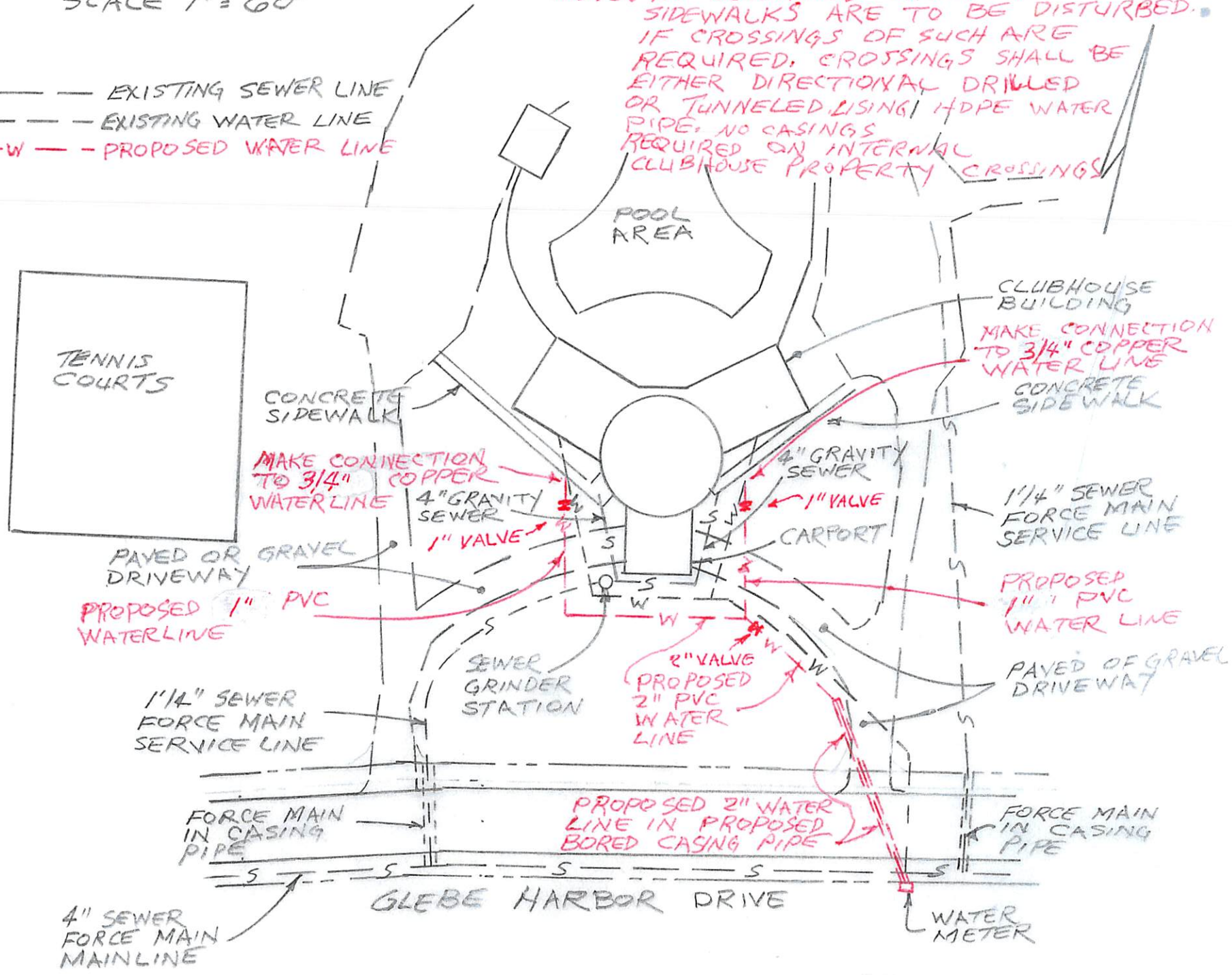
Final Site Restoration

All debris shall be collected and be removed from the site. All disturbed, grassy areas shall be seeded and mulched.

GLEBE HARBOR / CABIN POINT CLUBHOUSE
 WATERLINE REPLACEMENT
 SCALE 1" = 60'

NOTE: NO CLUBHOUSE DRIVEWAYS OR SIDEWALKS ARE TO BE DISTURBED. IF CROSSINGS OF SUCH ARE REQUIRED, CROSSINGS SHALL BE EITHER DIRECTIONAL DRILLED OR TUNNELED USING HDPE WATER PIPE. NO CASINGS REQUIRED ON INTERNAL CLUBHOUSE PROPERTY CROSSINGS

- S--- EXISTING SEWER LINE
- W- - - EXISTING WATER LINE
- W--- PROPOSED WATER LINE



4" SEWER FORCE MAIN MAINLINE

GLEBE HARBOR DRIVE

WATER METER

BID FORM
GLEBE HARBOR/CABIN POINT CLUBHOUSE WATERLINE REPLACEMENT
Glebe Harbor/Cabin Point Sanitary District
Administered by Westmoreland County, Virginia
Deadline: August 26, 2021

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The project is on behalf of the Glebe Harbor/Cabin Point Sanitary District and is administered by Westmoreland County, Virginia.

Summary of Work

Provide all labor, materials, and equipment for the execution of the work shown on the scoping document and drawings including replacing domestic waterlines at the Clubhouse. The Contractor is responsible for obtaining all necessary permits, coordinating the work through the Virginia Utility Protection Service (VUPS) or Miss Utility of Virginia, complying with all erosion and sedimentation (E&S) control requirements and laws, and providing restoration of all surface disturbance.

LUMP SUM BID (Total from Page 2)

(In Words)

(In Figures)

Bidder

Name of Bidding Entity

Signature

Printed Name

Address

Telephone Number

Fax Number

Contact Name and E-Mail Address

Bid should be submitted as follows:

Mr. Norm Risavi, County Administrator
Westmoreland County
P. O. Box 1000
111 Polk Street
Montross, VA 22520

BID FORM
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The Total Lump Sum will determine the low responsible bidder.

Total Lump Sum (Enter this Amount on Page 1) \$ _____

The following unit cost factors per linear foot (L.F.) are being solicited for the primary pipe sizes in the event that appreciable differences in a field condition or quantity is discovered in the execution of the work.

2" HDPE water pipe in HDPE casing pipe crossing Glebe Harbor Drive installed \$ _____/L.F.

2" HDPE water pipe installed \$ _____/L.F.

1" HDPE water pipe installed \$ _____/L.F.

Note that no Clubhouse driveways or sidewalks are to be disturbed if crossing(s) of such are required. Crossings shall either be directional drilled or tunneled using HDPE carrier water pipe. No casings will be required on internal Clubhouse property crossings of driveways or sidewalks. Compensation for these crossings shall be included in the Total Lump Sum Quote.