



Village of Roaming Shores

2500 Hayford Road

P.O. Box 237

Roaming Shores, Ohio 44084

440-563-3525, (f) 563-5912, Administrator: 440-563-5083, (c) 812-4032

www.roamingshoresOH.gov

Project Summary: This project involves the installation of 1325' of 4 inch forcemain. The forcemain will begin at the 5 West (5W) lift station and discharge into a manhole located at the corner of Jefferson Point and Rock Creek Terrace. Contractor shall furnish all labor, materials, tools, and equipment as necessary to construct the forcemain via the horizontal directional drilling (HDD) method.

General

- The contractor shall contract the Ohio Utilities Protection Service (OUPS) a minimum of two (2) business day prior to beginning any work.

Materials

- Forcemain shall be 4" HDPE and conform to ASTM F714, DR11, PE3408/PE3608. Pipe and fittings shall be joined by thermal butt-fusion or socket fusion in accordance with ASTM D3261.
- A #12 AWG cooper tracer wire shall be installed simultaneously with the pullback of the pipe. Wire shall be either wrapped around the pipe or taped to the pipe at a 10 foot minimum interval before installation.
- Polyethylene pipe shall be joined to ductile iron pipe by the use of flange adapters and back-up rings. Flange adapters shall be fused to the polyethylene carrier pipe. The face of the flange adapter shall have a serrated sealing face to assist in holding the flange gasket in place. Flange gaskets shall be full-face neoprene. Back-up rings shall be Class "D" steel ring flanged in accordance with AWWA C207. Flange bolts shall be stainless steel and must span the entire width of the flange joint and provide sufficient thread length to fully engage the nut.
- Any excavation located inside the roadway shall be backfilled with ODOT 304 limestone to within 3 inches of the finished surface. Furnish and install cold patch in the final 3 inches.

Installation

- Forcemain shall be installed with a minimum 5'-0" cover.
- Forcemain termination at manhole shall be turned down with a 45 degree bend inside the manhole.
- Contractor will be responsible for maintaining traffic and access to private property throughout the duration of the project.
- Final restoration (topsoil, seeding and mulching, etc.) will **NOT** be the responsibility of the Contractor. Contractor shall backfill pits, holes, trenches as needed and rough grade only.

Testing

- The installation shall be pressure tested in accordance with ASTM F2164, Field Leak Testing of Polyethylene Pressure Piping Systems Using Hydrostatic Pressure. The HDPE pipe shall be filled with water, raised to test pressure, and allowed to stabilize. Test pressure shall be 1.5 times the operating pressure of the system. The pipe shall pass if the final pressure is within 5% of the test pressure for one (1) hour.

Warranty

- Material and workmanship shall have a one (1) year warranty to be free from defects in workmanship and materials. The warranty will begin on the date of final acceptance by the Village. If deficiencies are discovered during the warranty period, the Contractor shall correct these deficiencies without additional charge to the Village.

Please address all questions to Vic Virmala, Utility Superintendent, at (440) 474-2302.

Submittals are due by 10:30 a.m. on Wednesday, July 30, 2014 at the Roaming Shores Village Hall. The village reserves the right to reject any and all proposals.