

Construction Method: Horizontal Directional Drilling

Project: 111th St. Water Main Replacement

Location: Snohomish County, WA



Project Scope:

- ❖ HDD Contract Specifications
 - ❖ HDD Design Alignment
 - ❖ Submittal Review and RFI Response
- ❖ Full Time Specialty Construction Inspection

Project Description:

Staheli Trenchless Consultants worked with Cross Valley Water District to provide specialized design services for the 111th St. Water Main Replacement with a 510 LF Horizontal Directional Drill, including evaluation of the geotechnical conditions, clearances beneath active railroad tracks and several utility crossings including water, gas, and electrical.

STC provided the construction inspection for the HDD work on the project, which was completed to the required line/grade and with no complications by Trenchless Construction Services LLC. The 4" HDPE pipeline was successfully installed in a site with many utility crossings, and an existing water line within 1' of the entry location due to using the proper equipment and alignment designed for the existing subsurface conditions. The adjacent roadway and driveways were kept open while maintaining a safe working site during drilling.



4" HDPE Pipe laid out prior to Pullback

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Vermeer 24 x40 SII HDD Rig