

Construction Method: Pipe Bursting

Project: Fairwood Interceptor Pipe
Bursting Project, King County
Wastewater Treatment
Division

Location: Fairwood, Washington

Job Scope:

- ❖ Pipe Bursting Design Review
- ❖ Feasibility Study
- ❖ Contractor Pre-Qualification
- ❖ Specialized Construction Management



Project Description:

Staheli Trenchless Consultants completed a feasibility study and design review for pipe bursting of the Fairwood Interceptor in two areas. In the Kiddie Park location, the existing 10-inch PVC sewer was upsized to a 16-inch HDPE pipeline. The installation depth ranged from 10 to 25 feet in very dense glacial till soils. In the Fairwood golf course location, the existing 8-inch concrete pipe was upsized to a 14-inch HDPE pipeline. Installation depths ranged from 4 to 15 feet, with a maximum burst length of 450 feet. A total of 1,560 feet of pipe bursting was completed.



Staheli Trenchless further assisted in developing and evaluating contractor pre-qualifications. During construction, specialty inspection was provided. Additionally, surface heave was monitored in the golf course sections to compare with numerical predictions.

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