



## Construction Method: Horizontal Directional Drilling

**Project:** Hylebos Waterway Crossing

**Location:** Tacoma, Washington

### Job Scope:

- ❖ Design Review
- ❖ Project Specifications/Drawings
- ❖ Submittal Review
- ❖ Specialty Inspection

### Project Description:

Staheli Trenchless Consultants provided design engineering services for a 1,200-foot crossing of the Hylebos Waterway in the Port of Tacoma by horizontal directional drilling. The highly trafficked shipping waterway connects the inland railroad and loading terminals to the port waterway. The City of Tacoma required a larger capacity pipeline to connect an existing pump station and provide greater capacity to the system. The challenging drill required a steep entry angle of 24 degrees within feet of the existing pump station dry and wet wells. The project included the installation of a 30-inch steel casing pipe 100 feet in length by pipe ramming methods to completely contain the pressurized drilling mud while passing within close proximity to the existing facilities.



STC was involved in the preconstruction effort of answering RFI's, and performed construction submittal reviews for the 18-inch DR 9 HDPE pipeline. STC provided specialty on-site inspection, detailing construction activities and was responsible to ensure that the Contractor complied with all environmental permitting and noise control standards as well as monitoring erosion control and easement constraints.



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