

Construction Method: Horizontal Directional Drilling



Project: Dawson Creek Pump Station and Force Main Project

Location: Hillsboro, OR

Project Description:

Staheli Trenchless Consultants provided design phase services and specialty on-site construction inspection during the installation of two 24-inch HDPE pipelines. Twin vertically stacked bores of 1,630 and 1,940 linear feet were constructed beneath wetlands and Rock Creek as part of a pump station and force main project. STC provided technical design assistance and contract document review along with submittal reviews during construction.

Challenges for the project design included multiple segments of product pipe staged in the center of a narrow cul-de-sac for pullback, and constrained work areas. The alignment curved to avoid a house and traversed wetlands and a creek. STC provided specialty on-site inspection for critical phases of both directional drills. The project was completed without claims in August of 2011.

Job Scope:

- ❖ Design Review
- ❖ Pullback and Stress Calculations
- ❖ Hydrofracture and Settlement Analysis
- ❖ Bid Phase Services
- ❖ Specialized Construction Inspection



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