

Construction Method:
Horizontal Directional Drilling

Project: **Poole Slough Project**

Location: **Seal Rock, Oregon**

Date: **2004**

Job Scope

- ❖ Construction Method Feasibility
- ❖ Full Design Services
 - Contractor Pre-Qualification
 - Plans and Specifications
 - Cost Estimates
 - Permitting
 - Bid services
- ❖ Specialized Construction Management



Project Description:

Staheli Trenchless Consultants provided horizontal directional drilling expertise for a 1,150-foot, 20-inch diameter DR 9 high-density polyethylene pipeline installation. The new, larger diameter HDPE waterline provided additional capacity for growth, and replaced ongoing breakage problems with the previously existing waterline.

Design challenges included very soft marsh deposits extending to depths of 70 feet below the ground surface, steep banks on either side of the marsh and slough, and low resistance to drilling fluid pressures in the environmentally sensitive marsh deposits.

Pre-qualification of HDD contractors was completed prior to bidding. Additionally, Staheli Trenchless Consultants provided specialty on-site construction inspection for the HDD operations.

Reference:

Alex Rampley, Field Supervisor, Seal Rock Water District (541) 563-3529

