

**Construction Method:**  
**Horizontal Directional Drilling**

**Project:** **Transmission Water Main  
Replacement,  
City of Anacortes**

**Location:** **Anacortes, WA**

**Date:** **2001-2002**

# **STAHELI** **trenchless** **consultants**

**Project Description:**

Staheli Trenchless Consultants provided drilling expertise for the design and construction of a 36-inch horizontal directional drill beneath the Swinomish Channel. The 1,200-foot channel crossing included drilling beneath piers on both sides of the channel.

The project was environmentally sensitive, with tight restrictions on inadvertent fluid returns in the channel. A geotechnical baseline report was prepared to provide a basis for contractor bids and evaluation of changed conditions claims.

HDD Contractors were pre-qualified prior to the bidding process. The 36-inch steel high pressure water line was successfully installed with no construction claims.

**Job Scope:**

- ❖ Trenchless Feasibility Study
- ❖ HDD Alignment Study and Profile
- ❖ Pullback and Stress Calculations
- ❖ Specifications
- ❖ Contractor Submittals Review
- ❖ Specialized Construction Management



**Reference:**

Jim Pemberton, Director of Public Works, Anacortes (360) 293-1919.