

Construction Method: Horizontal Directional Drilling



Project: Fairchild Air Force Base
Waterline Replacement Project

Location: Fairchild, Washington

Job Scope:

- ❖ Plan and Profile Design
- ❖ Design Calculations
- ❖ Bid Services
- ❖ Specialized Construction Management

Project Description:

Staheli Trenchless Consultants provided design services for a very challenging 1,950-foot, 20-inch diameter HDPE pipeline installation. The single HDD bore crossed beneath a 500-foot wide apron, 150-foot wide taxiway, several grass areas and the main 300-foot wide runway at the air force base.

Project challenges included low depths of cover beneath the taxiway and main runway, cobbles, fractured and weathered basalt, potential of hydrofracture, unknown utilities, and logistics associated with performing the work in close proximity to an active runway. STC provided specialized on-site construction inspection during drilling operations.



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