



Construction Method: Horizontal Directional Drilling

Project: Alameda Siphon Project, East Bay Municipal Utility District

Location: Oakland, California

Job Scope:

- ❖ Geotechnical Investigation
- ❖ HDD Pullback and Stress Calculations
- ❖ Designed HDD Layout
- ❖ Contractor Submittal Review
- ❖ Hydrofracture Analysis and Plan
- ❖ Onsite Construction Management
 - ❖ Claim Evaluation
 - ❖ Bidding Services

Project Description:

Staheli Trenchless Consultants performed a feasibility study evaluating horizontal directional drilling and microtunneling for the construction of a siphon beneath the Alameda Channel. Based on study results, STC then completed design of a 30-inch HDPE siphon installed by horizontal directional drilling.



The directional drilling design included a single pull of over 1,200 feet, tight bend radii, 60+ feet of full column mud load, and buried piers within the bore path. STC provided on-site specialty construction management services during the HDD installation.



Staheli Trenchless Consultants

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