



Job Scope:

- ❖ Feasibility Study
- ❖ Preliminary Design
- ❖ Final Trenchless Design
- ❖ On-site Construction Management



Construction Method:
Microtunneling

Project: Carmichael Raw Water Treatment Plant

Location: Carmichael, California

Project Description:

Staheli Trenchless Consultants performed the feasibility study, preliminary design, and final design of trenchless features for microtunneling replacement of a shallow raw water intake pipeline.

During the feasibility study, horizontal directional drilling, microtunneling, and open cut methods were evaluated. Four alternative pipeline configurations were presented, complete with cost estimates and a technical feasibility study.

The project included three drives of 48-inch diameter raw water pipeline, totaling 2,200 LF. The drive lengths ranged from 600 feet to 1,000 feet, and the river crossing was 720 feet. Staheli Trenchless provided full-time on-site construction inspection services for microtunneling and shafts.



Staheli Trenchless Consultants

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