

Construction Method:
Pilot Tube Microtunnel

Project: Outfall 33

Location: Portland, OR



Job Scope:

- ❖ Trenchless Feasibility Study
 - ❖ Trenchless Design
 - ❖ Emergency Schedule
- ❖ Geotechnical Risk Evaluation
 - ❖ Pilot Tube Microtunnel Specifications



Project Description:

Staheli Trenchless Consultants was responsible for the design of replacement sewer lines to allow for abandonment of Outfall 33 and transfer of flows to Outfall 34. New sewer line installations were constructed using pilot tube microtunneling. Project issues included the presence of an historic plank road, contaminated soils and numerous utilities in a high traffic, commercial/industrial area.

Work included site visits with BES, consultants and contractor staffs, preparation of pilot tube and casing specifications in City of Portland standard specification format, and review and comment on plan and profile drawings. STC worked collaboratively with Portland BES, prime consultant and contractor staffs to coordinate design and design reviews under an urgent/emergency schedule.

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