

Lake Oswego Interceptor Sewer - Lake Full



Client:

City of Lake Oswego, Oregon

Contact:

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City Engineer
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Contract Value:

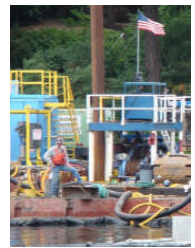
\$26,486,000

Project Timeline:

Started: June 2009
Scheduled Completion :
May 2010

Project Highlights:

- Installed 428 ground anchors for the buoyant portion of the pipeline
- Installed 342 each 18" diameter steel piles, by drilling and driving methods varying in length from 30- to 170-feet
- Divers installed 428 tether brackets with buoyant tubes attached to ground anchors with stainless steel tether cables
- Pulled HDPE pipe into S-Curve shape and attached internodal brackets and cables every 200 feet
- Using a controlled submergence process, divers sank the 1100 foot pipe sections, securing them into the tether brackets 15 feet below the surface of the lake.



The first of a multi-phase program to upgrade and replace the existing failing sewer line. The line was designed as a gravity system, constructed of 17,000 lineal feet of fused HDPE pipe, with pipe sizes ranging from 24- to 42-inches in diameter.

Advanced American Construction's ability to mobilize heavy marine equipment into remote locations has proven to be successful on this project. Access onto the lake was extremely limited and difficult. AAC mobilized and assembled over 75 each sectional barges in various configurations. Most of the barges had to come into the lake through a small 11-foot-wide boat ramp.

AAC had to install a 400-foot long temporary work trestle starting from a small lot at the east end of the lake. The work trestle was used to fuse 1100 foot long sections of HDPE pipe, load large equipment onto barges, and deliver several hundred loads of materials and fuel.

Anchor drilling and pile drilling barges were outfitted with sediment containment barges. All drill cuttings were captured. Water was filtered, treated, tested and released back into the lake. All hydraulic equipment was run with "clarity" oil and all diesel equipment was run with a blended biodiesel to help protect the environment.

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