

Construction Method:
Horizontal Directional Drilling



Project: **Hueneme Ocean Outfall,
Calleguas Municipal Water District**

Location: **Port Hueneme, California**

Date: **2008-2010**

Job Scope:

- ❖ Design Review
- ❖ Pullback and Stress Calculations
- ❖ Bid Phase Services
- ❖ Specialized Construction Management

Project Description:

STC provided design review services and construction inspection for an ocean outfall consisting of approximately 2,300 feet of 36-inch high density polyethylene (HDPE) installed via HDD connecting to 2,700 feet of 30-inch steel seafloor pipe. The HDD segment exited about 1,300 feet offshore, and involved reaming, pipe layout and pullback using the assistance of divers, barges and tug boats. Highlights of the project included a 60-foot elevation difference between entry and exit points and an exit location below 30 feet of water.



Particular challenges were encountered during the sequencing and execution of drilling near the exit location, especially with regards to drilling fluid escape and borehole stability. STC provided full time specialized construction management during all critical stages of HDD installation, and worked closely with the Contractor and Owner to develop solutions to these challenges.



Reference:

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