

Construction Type: Horizontal Directional Drilling

Project: Camp Pendleton Conduit Installation

Location: Camp Pendleton, California

Project Scope:

Staheli Trenchless Consultants provided specialty technical services for a Natural Gas Systems Upgrade project at Camp Pendleton, California with horizontal directional drilling(HDD) technology. STC provided value engineering services by optimizing the installation depth of HDPE conduit installed with HDD to allow both efficient installation of the conduit and the economical connection of services. STC evaluated the requisite depth of the HDD installation with respect to effective containment of drilling mud and potential hydrofracture and inadvertent return concerns.

STC has a strong background in hydrofracture prediction, starting with work completed by our principal engineer, Dr. Kimberlie Staheli, with the Army Corps of Engineers . Dr. Staheli is the primary author of Installation of Pipelines Beneath Levees Using Horizontal Directional Drilling prepared for the Pipeline Research Council International, Inc (Staheli, et. al 1998).

Staheli Trenchless has built upon this original research since the early days of hydrofracture prediction and developed an experience based approach combined with the available predictive models to make sure that the design and calculations are backed up with a rational technical approach and supported by observations and construction techniques actually used in the field.

In addition, STC has designed and provided specialty trenchless construction inspections on many trenchless projects in the United States and is seeing an increased international demand for the specific combination of experience that STC offers. See a sampling of the drilling equipment used on similar STC projects below and go to our website at www.stahelitrenchless.com to see the extensive project experience and technical expertise that STC uses to develop technical calculations for design and value engineering services. Also, see the design and construction efforts involved in bringing challenging and complex trenchless installations to a successful completion

Staheli Trenchless Consultants

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