



Project: Consulting Services for Trenchless Construction on a Work Order Basis, King County WWTD

Location: Seattle, Washington



Project Description:

Staheli Trenchless Consultants provided consulting and construction management services to King County on trenchless portions of projects for the Wastewater Treatment Division during the design and construction phases. Thirteen separate work orders were completed, including the design review and risk analysis for the Bellevue Pump Station that contained 5,300 feet of 24-inch force main to be installed by directional drilling, the design review and specialty construction management for the Juanita Bay Pump Station that contained a deep microtunnel in permeable gravel under artesian conditions, and design review and risk analysis for the Hidden Lake Pump Station that contained 1,200 feet of 42-inch microtunnel through glacial soils containing cobbles and boulders. Other work completed included an emergency pipe burst for the City of Mercer Island upsizing an 18-inch fiberglass sewer to 20-inch HDPE, a rewrite of the King County Master Specifications relating to trenchless construction, and the creation of a microtunneling short course for County Staff.



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