



## Construction Method: Open Shield Pipe Jacking

**Project:** Windermere Combined Sewer Overflow, SPU

**Location:** Seattle, Washington

### Job Scope:

- ❖ Specialized Construction Inspection
- ❖ Submittal Review



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### Project Description:

Staheli Trenchless Consultants provided construction inspection services on 966 feet of 60-inch combined sewer through the Windermere district of Seattle. The project involved improvements to the combined sewer system and combined sewer detention facilities in the Windermere CSO basin.

Open shield pipe jacking at the 60-inch diameter was chosen as the preferred installation method. Creative equipment layout was required to facilitate shaft construction in congested streets with narrow access and multiple businesses, spanning an affluent community located minutes from the shores of Lake Washington. The trenchless alignment encountered challenging geotechnical conditions including areas of extremely dense glacial soils, large cobbles, and boulders.

