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— Oct 01, 2009

### Overpeck Valley Parallel Relief Sewer

The Overpeck Valley Parallel Relief Sewer Project of Bergen County Utilities Authority (BCUA), N.J., is a \$65 million CSO improvement program to meet a state consent order by 2010. One major program component includes a total of 6,000 ft long, 72-in. diameter reinforced concrete pipe (RCP). The alignment includes drives through 2,788 ft of extremely soft glaciolacustrine varved clay, 3,214 ft of loose to medium dense mixed soils containing silty sands, gravels and boulders and crosses under the New Jersey Turnpike, US Highway Route 46, a CSX Railroad Intermodal Yard and a branch mainline.

This project is the longest and largest microtunnel project in the state of New Jersey in recent years, with under-crossings of highways and railroads built on extremely weak soils with Weight of Rod SPT values, as well as fills containing saturated silty sands, gravels and boulders. The entire microtunnel project was completely within schedule, under budget and with zero claims.

**Project Owner:** Bergen County Utilities Authority  
**Engineer:** Hatch Mott MacDonald  
**Contractor:** Northeast Remsco Construction  
**Manufacturer:** Herrenknecht



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