Oakwood Interceptor
Microtunneling Sewer Project

This $200 million microtunneling project involved the installation of 8.25 miles of sanitary interceptor sewers connecting communities along the southern shore of Staten Island to an existing treatment plant in the Oakwood Beach section of the island. PS&S provided structural and geotechnical engineering services for the final design phase, which included about 5,000 feet of 60-inch diameter reinforced concrete sewer pipes, 600 feet of 10-inch diameter lines, and nine manholes that ranged from 30 to 80 feet below the ground surface.

The microtunneling and pipe jacking method of installing sewers below urban streets proved to be a cost effective method for the New York City Department of Environmental Protection, compared with conventional trenching methods which would have required opening up miles of streets for months at a time, and included extensive and costly dewatering.

PS&S was awarded the 1994 New Jersey Consulting Engineers Council "Engineering Excellence Honor Award" for its efforts on this project.

location: Staten Island, New York
client: NYC Dept. of Environmental Protection
type: Microtunneling

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