

## NORTH NICHOLS AREA SEWERS

Trumbull, Connecticut



### Client

**Trumbull Water Pollution Control Authority**

### Description

This project was designed by the SB Group and construction was 10 months underway when Tighe & Bond was retained to provide overall project assessment as well as construction observation. Since then, Tighe & Bond has provided project assessment and construction administration services for 85,000 linear feet of new sewers in the North Nichols area of Trumbull.

Our scope of work commenced with a review of the work completed to date and the development of an estimated cost to finish the project. Emphasis was placed upon review of the backfill and compaction of existing trenches and temporary paving of these trenches. Our engineers conducted an inventory of the roads in the project area and developed recommendations regarding permanent restoration and storm drainage requirements for these roads. Finally, our project assessment activities involved a review of the existing design plans to identify cost saving measures and better achieve the WPCA's goals and objectives.

Tighe & Bond then provided a full-time resident engineer and additional field observers to provide continuous observations of the construction work. Our construction administration services included: review of schedules; issuance of clarifications and interpretations; recommendation of change orders and work change directives; review of previously approved shop drawings, samples and other data; and evaluation of applications for payment.

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We also provided the following services:

- Pavement condition evaluation (AASHTO Pavement Design Guide, 1993)
- Drainage inventory and evaluations
- Geotechnical investigation
- Federal permitting (ACOE)

In preparation of the final paving recommendations over the sewer trenches, we prepared a project wide pavement inventory and analysis that included conducting pavement and sub-base sampling.

A geotechnical evaluation of the sewer proposed around a sensitive pond is ongoing to assess potential impacts from the sewer construction.

We also prepared a Connecticut Programmatic General Permit Category 2 Application to the United States Army Corps of Engineers – New England District and a 401 Water Quality Certification Application to the Connecticut Department of Energy and Environmental Protection for the project.

We continued to serve the WPCA in this capacity until the project was completed, providing preparation of record drawings and final inspection.