



BERNIER CONSTRUCTION, INCORPORATED PROJECT SUMMARY

Project Title: Construction Oversight Services for Former Manufactured Gas Plant (MGP) Site Remediation

Location: Starlight Park, Bronx, New York

Scope: Provide Construction Management and Oversight services for the excavation and off-site disposal of MGP-impacted soils, installation of sheet pilings and deep wells for excavation dewatering, and installation and operation of a water treatment system

Berner Construction was contracted by Con Edison of New York, New York to provide construction and oversight management services for the remediation of a former MGP site located in the Bronx, New York. The project involves oversight of the remediation contractor to ensure that the remedial action is completed in accordance with the project specifications, the NYSDEC and NYSDOT regulations, and that all work is conducted in compliance with OSHA Health and Safety regulations.



Site Overview

The former MGP, known as the East 173rd Street Works was owned and operated by the Northern Union Gas Company, a predecessor of Con Edison. The plant operated from the late 1800's through approximately 1912. The structures were largely demolished by the early 1940's. Con Edison used the site as a storage facility and vehicle garage until it was sold to the City of New York in December 1945. The remaining plant buildings were taken down in the late 1950's prior to the construction of Starlight Park. The former MGP site is approximately 3 acres situated within the 7 acres of Starlight Park.

MGP-impacted material is located below the urban fill at depths of greater than 4-feet below the current ground surface (cgs). Higher concentrations of MGP-impacted material are located between 8 and 20.5 feet below the cgs. The project scope includes the following activities:

- Installation of security fencing and erosion controls.
- Installation of sheet pilings and tie backs, and new deep wells for excavation dewatering.
- Installation and operation of continuous air monitoring stations.
- Setup and operation of a water treatment system to treat water from the excavation areas.
- Excavate MGP-impacted material and transport and dispose of the material at approved facilities.
- Site restoration including backfill and compaction to specific elevations and seeding.



Water Treatment System