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Restoration of Long Island City Yard, Contract No. 6052A-05-15-C

Queens, New York

PROJECT TYPE

Design

PROJECT OWNER/CLIENT

Metropolitan Transportation Authority
Long Island Rail Road

CONTRACT AMOUNT

\$61,000 fee

START & END DATES

08/2014-Ongoing

ROLE

Subconsultant to Gannett Fleming, Inc.
Structural Engineering, Geotechnical
Engineering, Cost Estimating, Scheduling

REFERENCE

Brian King, PE, (717) 763-7212

PROJECT DESCRIPTION

This project represents the last phase of mitigations and improvements to the Long Island City (LIC) Yard, which originally began in the mid-1990's. After experiencing significant damage during Super Storm Sandy, the LIRR elected to add mitigation measures in addition to the previously planned improvements. The scope of work for this restoration consists of the upgrade of 100% designs for yard improvements, including removal of contaminated soil, drainage, track, third rail, service platforms, and yard utilities. New design elements include restoration and recovery efforts, integrated mitigations and resiliency, and stand-alone mitigation elements.

As a subconsultant to Gannett Fleming, SJH is providing services for **Task #10, Flood Reduction Perimeter Wall**. The subsurface exploration work involved conformed to applicable ASTM Standards. Utilizing existing plans and schedules, coordination with LIRR, and SJH field reconnaissance, our team determined final locations of test borings. SJH coordinated drilling subcontractor mobilization, provided on-site management presence during equipment movement, and provided observation and documentation of test pit operations. The field log, photographic documentation, and obstruction measurements include description of soils in accordance with USCS soil classification system (ASTM D 2488). Special attention was given to preserve and protect existing waterproofing on the adjacent building structures. The deliverables submitted on this task include the final CADD documents of subsurface exploration and the summary of test pit findings report.



APPROXIMATE PERIMETER WALL OUTLINE

SJH Engineering, P.C.