



PROJECT:

Middlesex Logistics Center

LOCATION:

Edison, NJ

DEVELOPER:

J.G. Petrucci, Inc.

SERVICES:

Geotechnical

Environmental

Site Civil

PROJECT SUMMARY:

The site was a former municipal sanitary landfill that operated from 1959 to 1985. Portions of the property were subsequently used as a truck maintenance facility for a municipal solid waste hauling company and by landscape and construction contractors for the storage of vehicles, equipment, and materials. Redevelopment of the site included construction of a 570,100 square foot warehouse/office building, approximately 10 acres of paved parking and roadway areas, and three lined stormwater management basins.

SESI provided the site planning, which included the preparation of multiple concept plans, initial site analysis and planning, preparation of preliminary/final design plans, and reports and engineering cost estimates for the project. SESI prepared NJDEP Waterfront Development Permit plans and supporting documentation to address stormwater runoff flooding concerns specific to its location in the tidal floodplain. Services included all aspects of the municipal approval process: attending and providing testimony at all project public hearings, project status meetings with J.G. Petrucci, Inc., as well as coordination meetings with the local utility companies.

SESI provided geotechnical investigations and design services. Geotechnical work included design, implementation, and oversight of investigations and ground improvements related to dynamic compaction, controlled compacted fills, and the site capping system.

SESI designed and permitted the landfill gas (LFG) collection, conveyance, and treatment system which was installed throughout the site. The system consists of three separate systems: an LFG Recovery Well System and Flare Oxidizer; a Sub-Slab LFG System; and an Exterior LFG System. The objective of these systems is to remove and treat methane from within the landfill, under the building slab, and under the paved areas. SESI continues to provide Operation, Maintenance, and Monitoring of the System.

