



The LiRo Group

Client:

New York City Department of Sanitation
44 Beaver Street
New York, NY 10004

Total Project Cost:

\$18,500,000

Completion Date: 1993

Project Overview:

LiRo provided architectural/engineering design services and construction support services for the design of a new 55,000 sf, two-story sanitation garage and maintenance facility. (NYCDOS, \$18.5M)

District 11/13 Garage - Design of Garage, Vehicle Maintenance Facility, and Offices Queens, NY

LiRo provided architectural/engineering design services and construction support services for the design of a new 55,000 sf, two-story sanitation garage and maintenance facility. The new facility included parking for 58 sanitation vehicles; repair bays with vehicle lifts; an overhead hoist and monorail system; two truck wash areas; storage areas; and administration facilities including offices, break rooms with kitchen facilities, an exercise room and toilet, shower and locker facilities for male and female employees. The design also included the selection and layout of all shop equipment.



Mechanical and electrical design included heating and ventilation systems, air conditioning for the administration facilities, plumbing, lighting and power, communication and security systems, fire protection, compressed air system, tail pipe exhaust system, and fuel and fluid dispensing systems.

Further, the design required extensive site improvements. The site is located within the interchange of the Cross Island Parkway and Grand Central Parkway, with frontage on Winchester Boulevard, a city street. Massive caissons were designed to form a retaining wall to support the Parkway. Site work also included sanitary and storm drainage systems, water supply, grading, landscaping, fencing and a 95-car employee parking lot. Chain link fencing was provided along three sides of the site to provide separation from the Parkway lanes.



Key Features:

- Extremely constrained site within highway interchange.
- Design of large-diameter vertical caisson retaining wall.
- Multi-story facility housing 58 sanitation vehicles.