



*Upper left: Creation of Battery Park City landfill.
Lower left: North Cove Yacht Harbor in front of the World Financial Center. At right: Views of Battery Park City today.*

Battery Park City

New York, NY

Creation of Battery Park City landfill in the Hudson River at the tip of Manhattan Island required application of Mueser Rutledge Consulting Engineers (MRCE)'s experience and technical capabilities in solving marine design problems. Beginning in 1968, MRCE engineered the creation of this 100 acre site, one of the largest real estate developments undertaken in the New York City. MRCE consulted on feasibility, prepared complete designs, and inspected the construction of the landfill located next to a major shipping channel in up to 50 feet of water, at a site occupied by abandoned piers. The project included the design of a 70-foot-wide relieving platform structure at the waterfront perimeter, which now supports an esplanade. Surcharge fill and sand drains were designed and inspected to improve the marginal subsoils. The firm has provided consulting and design services for much of the infrastructure, including the North Cove Yacht Harbor, the South Cove Esplanade, and the North Esplanade and Seawall.

Following the September 11, 2001 terrorist attack on the World Trade Center, MRCE provided an existing conditions survey on the perimeter structures. Since 1968, MRCE has performed geotechnical investigations, foundation design, and provided construction expertise for the following structures:

- Four World Financial Center high-rise buildings
- Stuyvesant High School
- Pedestrian Bridge at Chambers Street
- Robert F. Wagner Jr. Park
- NYMEX Building
- Embassy Suites Hotel
- Police Memorial
- Museum of Jewish History, including the east wing addition
- The Solaire (Site 18A)
- Teardrop Park
- Site 19B
- Site 26 (Hdqtrs Major Financial Institution)
- 200 Chambers (Site 5C)
- Site 3
- Irish Hunger Memorial