



TopLeft: Artist's rendering of the completed complex as viewed from Manhattan. Lower Left: View toward Manhattan shows excavation of the site is progressing in July 2001. At Right: Construction progress is shown in site fly-over from late August 2001.

30 Hudson Street Office Complex

Jersey City, NJ

Scope of Services include:

- Due Diligence investigation
- Field subsurface investigation of four city blocks
- Laboratory testing program to develop geologic profiles and soil and foundation design parameters
- Design of Slurry wall bathtub
- Construction Inspection

Mueser Rutledge Consulting Engineers (MRCE) is the foundation engineer for new office complex on the Jersey City, New Jersey waterfront. The site encompasses several blocks within the Colgate Redevelopment Area. Prior to the work on the actual construction, MRCE performed a Due Diligence investigation feasibility studies for below ground parking for up to four new office towers including 4,000,000 square feet of space on four city blocks. MRCE developed geotechnical and foundation recommendations and provided design studies for various basement options including cost estimates. Services included a geotechnical field investigation and laboratory testing program to develop geologic profiles and soil and foundation design parameters.

We also performed a review of the site history to determine previous use and identify possible construction conflicts from buried structures. Foundation design and recommendations including drawings were made. MRCE designed the slurry wall bathtub for the selected two building easterly complex. The foundations of the buildings extend four levels down. MRCE provided construction inspection services during excavation of the site. This is believed to be the first multistory basement structure in Jersey City.