



301 East 61st St

This project entailed the construction of a new 19-story residential building with one cellar level below street grade. The site was characterized by shallow groundwater with medium compact to very compact glacial deposits overlying gneiss bedrock. Analyses showed that the building could be successfully supported on conventional concrete foundations, except for the shear walls and elevator core where large differential settlements were calculated. As a result, the new building was supported on a combination of caissons and conventional foundations.

Services provided

- Geotechnical subsurface Investigation and Report
- Design and Inspection of Caissons
- Design and Inspection of Support of Excavation and Underpinning
- Design and Inspection of Tiedown and Rock Anchors



Soldier Beam & Lagging Walls
Along Open Lot Lines



Underpinning & Bracing of
Adjacent Structures



Steel Sheetting for Core Foundations



Rock Core Samples