



444 Park Ave South

This project was a gut renovation of an existing 100 year old structure for conversion to a hotel. The original building was founded on deep concrete piers, which in turn were bearing on Schist bedrock of varying hardness. The renovation plan included excavation for a new sub-cellar below the existing cellar slab. The depth of excavation exceeded the bearing depth of many of the existing foundations, which in turn required stabilization in order for the excavation to proceed.

Services provided

- Geotechnical Subsurface Investigation with Report
- Design and Inspection of Excavation Plan
- Design and Inspection of Tiedown Rock Anchors
- Determination of Lateral Earth, Water and Surcharge Pressures for SOE Design
- Inspection of Existing and New Footing Subgrades

