



200 East 6th St **(35 Cooper Square)**

This project entailed building a new 13-story dormitory with two cellars below street level. Adjacent buildings included a six-story warehouse and a twenty two-story hotel with two cellar levels below grade. Excavation required underpinning of both buildings and temporary soldier beam and lagging walls along East 6th Street and Cooper Square.

Services provided

- Geotechnical Subsurface Investigation with Report
- Settlement Analysis for Mat Foundation and Spread Footings
- Design and Inspection of Underpinning and Support of Excavation
- Subgrade Inspection for Footings and Mat Foundation



Drilling Tiebacks at Second Wale



Installation of Titan Piles Prior to Underpinning



Steel Plates and Wedges to Transfer Foundation Loads



Titan Pile at Bottom of Underpinning Pit



Installation of Lagging Boards



Excavation in Progress



Nearly Complete Excavation- Preparation for Mat Foundation



Continuous Internal Reinforcing of Underpinning Concrete



Soldier Pile Installed in Pre-drilled Holes with Grout Backfill