

Streets of Buckhead / Buckhead Atlanta

Client:

Schnabel Foundation
Company

Location:

Atlanta, GA

Service Provided:

Instrumentation and
monitoring system.

Value Provided:

- Ability to determine in real time if the surrounding buildings or the Support of Excavation were moving

Background & Project Challenges

This project is a 9 acre mixed-use development in the Buckhead district in Atlanta, Georgia.

Comprising 6 city blocks, the project consisted of approximately 370 apartments, 300,000 square feet of retail space and 90,000

square feet of boutique office space. The project site is located in a dense urban area within 1.2 miles of two prominent malls, Lenox Square and Phipps Plaza. Due to the close proximity of adjacent structures in conjunction with the depth of foundation excavation, there was a concern for potential movements of buildings and the support of excavation system which may adversely affect their structural integrity.



Geocomp Role & Accomplishments

Geocomp was contracted to provide real-time monitoring of the adjacent buildings and the support of excavation system. Utilizing an Automated Motorized Total Station (AMTS) and prisms, Geocomp provided real-time monitoring data of the support of excavation system and of the adjacent buildings. This instrumentation system allowed all parties to monitor any settlement and movement of the structures. The system also provided an alarm in the event that any preset movement values were exceeded.