

Extended Stay Hotel

Charlotte, NC



Project Description: Located on the northwest corner of Tyvola Rd. and Interstate 77 in Charlotte, the site for the hotel consisted of 8 to 13 feet of uncontrolled fill associated with the construction of the Interstate. The fill consisted of residual silts with small amounts of construction debris. The fill was underlain by stiff residual silts. One hundred forty-four (144) Geopier elements averaging 8 foot deep were used to support conventional strip footings. Geopier installation proceeded during a very wet Spring at a time when adjacent building pads with natural soils could not achieve adequate compaction due to pumping of the moisture sensitive silts. The use of Geopier foundations enabled the project foundations to be completed ahead of those for the adjacent lots which did not have “uncontrolled fill soil problems”. The Geopier installation was successfully completed in February 1998.

THE GEOPIER ADVANTAGE

- Saved time and money versus the over excavation option
- Allowed foundations to be built during a very wet Spring
- Provided uniform support for an area with a variable fill type and depth

Developer: Lat Purser & Associates, Inc., Charlotte, NC

Contractor: Pertree Constructors, Inc., Altamonte Springs, FL

Architect: Paulk - Rekau Architects, PC, Atlanta, GA

Structural Engineer: Goodman Engineering, Inc., Atlanta, GA

Geotechnical Engineer: Law Engineering, Inc., Charlotte, NC