

# Park Center - Apartments & Parking Garages

Alexandria, VA



**Project Description:** The last area for development of the land held by Erkiletian Construction along Ford Ave. was of an old fill site from previous construction activities in the area. Soil conditions at the site consisted of 10 to 25 feet of highly plastic Potomac clay fill soils overlying natural Potomac clays. These uncontrolled clay fills also contained concrete and construction debris. GMTI the geotechnical consultant considered caissons, 40-foot deep auger cast piles and Geopier supported footings as potential alternatives. The Geopier option provided the lowest cost and flexibility since multiple mobilizations would be required on this very tight construction site. Individual column loads for the parking garages ranged from 250 to 900 kips. Actual lengths for Geopier elements ranged from 8 to 18 feet deep.

## THE GEOPIER ADVANTAGE

- Saved Time & Money versus the option of installing Auger Cast Piles
- Eliminated the potential risk associated with “estimating” caisson or pile depths
- Smaller Equipment made for lower remobilization costs for a multi-phase project

**Developer/Owner/GC:** Erkiletian Construction Corp., Alexandria, VA

**Architect:** The Steinberg Collaborative, Houston, TX

**Structural Engineer:** Meyer Consulting Engineers Corp., Rockville, MD

**Geotechnical:** PSI (Formerly GMTI), Sterling, VA