



Arkansas Capital Commerce Building

Little Rock, Arkansas

Because of the variable conditions of the upper fill stratum, the project structural and geotechnical engineers chose to use the Geopier GP3® system to improve the allowable bearing pressure of the soils

Description: Construction of a new 12,600 square foot, seven story office tower.

Subsurface Conditions: Debris fill to depths of up to six feet underlain by stiff to hard sandy clay or clayey sand. Sandy gravel with cobbles was encountered below the clay.

Geopier Solution: Because of the variable conditions of the upper fill stratum, the project structural and geotechnical engineers chose to use the Geopier GP3® system to improve the allowable bearing pressure of the soils. Rammed Aggregate Pier® (RAP) supported footings were designed for an allowable bearing pressure of 6,000 psf. With the presence of the debris laden fill at the site and expected drilling difficulties, Peterson Contractors, Inc. mobilized high torque drilling equipment to the site. The use of the larger drilling equipment allowed for rapid RAP installations at the job site and eliminated the need for overexcavation of the buried obstructions.



PROJECT TEAM

Geotechnical Engineer:

Ackley Engineering

Structural Engineer:

Fred Hegi & Associates

General Contractor:

East-Harding

Geopier Installer:

Peterson Contractors, Inc.

Geopier Designer:

GFC-Midsouth, LLC