



Walker Jones K-8 School

Washington D.C.

The Geopier Impact® system was recommended as a value engineering solution in lieu of other foundation support alternatives by the general contractor

Description: Construction of a 125,000 square foot, three to four story school building in the heart of Washington, DC. It will accommodate students for nearby DC residents from kindergarten through 8th grade. With a 15 month construction schedule, this will be the fastest new public school built in the history of the District of Columbia.

Subsurface Conditions: Subsurface conditions consisted of medium stiff to very stiff clayey soils with a varying amount of silt, sand and organics.

Geopier Solution: The general contractor recommended using the Impact® System as a value engineering solution in lieu of other foundation support alternatives. A total of 678 grouted Rammed Aggregate Pier® elements were installed from depths that ranged from 14 to 27 feet below existing grade to support column loads of 924 kips and wall loads up to 45 kips.



PROJECT TEAM

Owner:

DC Office of the Deputy Mayor of
Planning & Economic Development

Geotechnical Engineer:

ECS Mid-Atlantic, LLC

Structural Engineer:

Simpson Gumpertz & Heger

General Contractor:

Forrester Construction Company

Geopier Installer:

GeoConstructors, Inc.

Geopier Designer:

GFC-St. Louis