



Contact Julie Mock
Telephone 540.751.5006
Cell 571.480.2049
Email jmock@geostructures.com
Website www.geostructures.com

FOR IMMEDIATE RELEASE
April 21, 2016

GROUND IMPROVEMENT COMPLETE FOR REI – PIKE & ROSE!

Purcellville, VA, April 21, 2016– GeoStructures is pleased to announce the completion of the ground improvement work for the REI at Pike & Rose project in North Bethesda, MD.

Pike & Rose Block 8 will host a 36,000 sf REI, an outdoor recreation and sporting goods store. The geotechnical engineer, ECS Mid-Atlantic, Inc recommended the use of Geopier Rammed Aggregate Pier® elements to improve the fill soils so they could support footings designed for 6,000 psf for the main REI structure.

The fill soils were easily improved using Geopier Rammed Aggregate Pier® elements to support the building foundations. However, the real challenge was to find a cost-effective way to limit differential settlement where the REI store connected to an adjoining 19-story tower supported on drilled shafts bearing on rock. For the interface with the 19 story tower, Ductile Iron Piles founded on weathered rock were selected to transfer the load from the REI Building footings adjacent to the tower, down to the weathered rock strata. This eliminated the differential settlement concern at the interface between the two buildings. Differential settlement between the pile-supported footings and Geopier supported footings was minimized as well.

GeoStructures, Inc., installed 159, 30-inch Geopier® elements to provide cost-effective ground improvement across the majority of the site and 38 Ductile Iron Piles along the column line adjacent to the tower. Being able to work with a design/build contractor allowed the team to provide the multi-system solution economically and on schedule.

Project Team:

OWNER: Federal Realty Investment Trust - Rockville, MD

CONSTRUCTION MANAGER: LF Jennings, Inc. - Falls Church, VA

ARCHITECT: Callison RTKL, Inc. - Washington, DC

STRUCTURAL ENGINEER: SK&A Consulting Structural Engineers - Potomac, MD

GEOTECHNICAL ENGINEER: ECS Mid-Atlantic, LLC - Frederick, MD

About GeoStructures

Established in 1995, GeoStructures consists of geotechnical and structural engineers who provide marketing and design services in support of its sister company, GeoConstructors, which delivers design-build construction services for:

- Ground Improvement using Geopier® technology (Impact® System, GP3® System, and GeoConcrete™ Columns) and Rapid Impact Compaction
- Specialized Structures (soundwalls, MSE walls, post and panel walls, concrete arches and bridges)
- Slope stability utilizing the Geopier Rammed Aggregate Pier Technology, Geopier Plate Pile SRT™ System, drilled shafts, geogrid slope reinforcement, and combinations of landslide stabilization techniques

These technologies solve customers' challenges for controlling settlement of buildings, tanks and MSE wall foundations, liquefaction mitigation, load transfer platforms, landslide corrections for shallow and deep seated slope failures, and grade separation options with steepened slopes.

Clients benefit from a seamless experience, thanks to customized design-build services provided under one roof for their Brownfield, Commercial, Education, Healthcare, Industrial, Government, Hospitality, Residential and Transportation projects.

###