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WORK COMPLETED ON THE WALL IN THE WOODS!

Purcellville, VA, 1BJanuary 29, 2016– GeoStructures is pleased to announce the completion of the Wall in the Woods project – Grosvenor Heights in Bethesda, MD.

How do you balance the environmental needs to limit cutting down trees in a forest and constructing a Soundwall to lower the highway noise reaching a new apartment development? You build a wall in the woods! To limit tree cutting, a 10 foot wide limit of disturbance was provided along the length of a 756 foot long wall. A 25 foot wide construction entrance was provided at a third point along the wall to bring in materials. The wall ranged in height from 15 feet to 33.5 feet tall.

To be able to build the "wall in the woods" a low head room drill rig was used to install drilled shafts. Once the shafts were complete steel posts were bolted down to the shafts and lightweight AIL fiberglass panels were laid in between the flanges. The use of the bolt down method and the lightweight panels made for easier installation in the tight constraints of the 10 foot wide construction limits.

Not counting the upfront planning to be able to build the project, Soundwall construction took 10 weeks to install 17,417 square feet of wall. Construction was longer than a conventional highway wall but, the tree save aspects allowed for a beautiful forest to remain intact for this new apartment complex …now with a Wall in the Woods!

The project team included:

OWNER

The Neighborhoods of EYA

GENERAL CONTRACTOR

EYA Construction, LLC

WALL DESIGNER / SUPPLIER

AIL Sound Walls

GEOTECHNICAL ENGINEER

ECS Mid-Atlantic, LLC

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.

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