

The Oaks @ North Bethesda

Bethesda, MD



Highway side



Residential side

Project Description: In order to minimize traffic noise for a new development of 24 luxury homes, a sound wall was required as part of the site development package. Adjacent to I-270, the construction of the wall had both the challenge of old fill soils and limited access due to the ongoing construction with on ramps to the highway by another contractor. The wall consisted of ashlar stone finish on the residential side and stained fuzzy rake finish on the highway side, all placed within precast concrete posts. Posts were bolted down onto bolt sets cast into the caisson foundations. The final wall met the customer's aesthetic needs for this upscale development as well as the construction schedule requirements to have the wall in place prior to selling homes.

GeoStructures provided the soundwall on a design/build basis, meeting the local design requirements and enabling the project to be "fast-tracked" to meet a tight schedule.

Owner: The Associated Companies, Bethesda, MD

Civil Engineer: Clark, Finefrock & Sackett, Inc., Columbia, MD

Wall Precaster: Faddis Concrete Products, Downingtown, PA

Geotechnical Engineer: ECS, Ltd., Chantilly, VA