

Alexan at Fairfax Ridge Soundwall

Fairfax, VA



**Concrete Posts with Reflective
Concrete Fuzzy Rake Finish**
(Residential Side)



**Absorptive Concrete w/Ashlar
Stone Finish**
(Highway Side)

Project Description: As part of the Alexan Fair Ridge luxury apartment development located in Fairfax County, soundwalls were required to control noise from adjacent Interstate 66. Absorptive concrete was required on the roadway side to absorb traffic sound and a fuzzy rake finish was selected for the residential side. The design incorporated concrete posts to meet VDOT's stringent soundwall deflection criteria.

Owner & Developer: Trammel Crow Residential, Rockville, MD

Civil Engineer: Vika, McLean, VA

Structural Engineer: Nordyke Associates, Mount Airy, MD

Geotechnical Engineer: ECS, Ltd., Chantilly, VA

Wall Designer: GeoStructures, Inc., Leesburg, VA

Wall Constructor: GeoConstructors, Inc., Leesburg, VA

GeoStructures, Inc.
Engineered Earth Structures & Foundations