

Rock Spring Center Soundwall

Rockville, Maryland



Project Description: As part of the Avalon Bay Communities luxury apartment development located in Montgomery County, soundwalls were required to control noise from adjacent Interstate 270. In some locations the soundwall transitioned into a combination soundwall and retaining wall.

The design incorporated concrete post and panels with an architectural sandblast finish and stain to match the accent colors on siding used for the apartments. The wall design also incorporated supporting earth pressures for heights up to 10 feet high in areas where retaining walls were required.

Owner & Developer: Avalon Bay Communities, Alexandria, VA

Architect: Niles Bolton Associates, Alexandria, VA

Structural Engineer: BEI Structural Engineers, Bailey's Crossroads, VA

Geotechnical Engineer: ECS, Ltd., Chantilly, VA

Wall Designer: GeoStructures, Inc., Leesburg, VA

Wall Constructor: GeoConstructors, Inc., Leesburg, VA