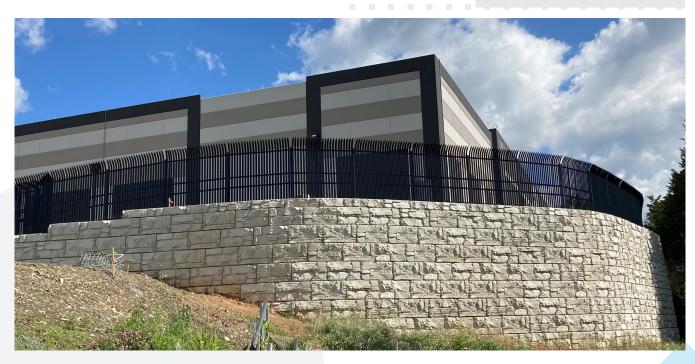


PROJECT PROFILE

YEAR BUILT: 2021 **CHANTILLY, VA, USA**



Gravity Extender Design Chosen for Data Center Facility

This MagnumStone gravity retaining wall with extender units was instrumental to reinforcing land for a new data center and its infrastructure in Chantilly, VA, USA. The property's large modern facility was constructed through HITT Contracting (General Contractor) and The Anderson Company (Site Contractor).

The industrial property required an 8,227 sq. ft. (764 sq. m.) retaining wall to raise the existing grade and extend usable land. This maximized development potential, supported heavy loading and protected utilities behind the wall without geogrid reinforcement. The wall contractor, Roche Brothers, value engineered the wall and engaged with Earth Retention's engineering team on its design. The gravity wall replaced an originally specified cast-in-place wall, to save time and labor, effectively streamlining installation. Their versatility transitioned initial angled wall corners to smooth flowing curves, peaking at maximum heights of 19 ft. (5.8 m.). The MagnumStone blocks and interlocking extenders were produced by the experts at York Building Products.

MagnumStone's hollow core blocks offer superior drainage, and its gravity extenders adjust excavation depths in 2 ft. (0.61 m.) lengths for greater design flexibility. Bypassing time-consuming cast-in-place logistics (forms, staging, curing concrete), MagnumStone gravity extenders minimized costs, solved design challenges and expedited construction time.

Total Blocks	8,227 sq. ft. (764 sq. m.)
Highest Point of the Wall	19 ft. (5.8 m.)
Purpose of MagnumStone Application:	Extend & reinforce industrial property infrastructure
MagnumStone Manufacturer	York Building Products
Wall Designer	Earth Retention
General Contractor	HITT Contracting
Project Contractor	The Anderson Company
Retaining Wall Installer	Roche Brothers Inc.

GRAVITY EXTENDER DESIGN CHOSEN FOR DATA CENTER FACILITY

CHANTILLY, VA, USA







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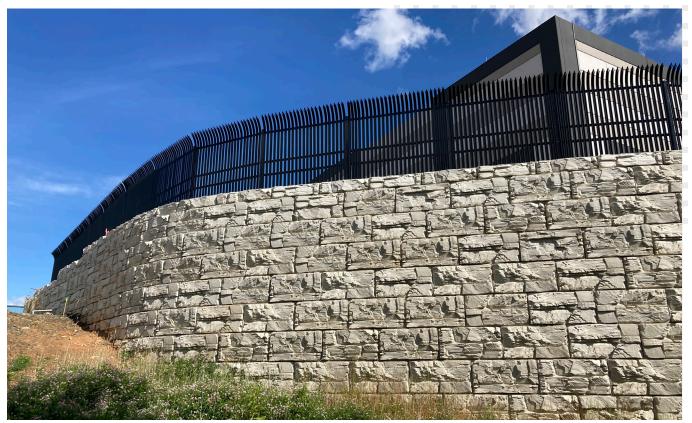
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CHANTILLY, VA, USA



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Contact our MagnumStone experts for more details.

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