



MagnumStone Wall Stabilizes Challenging Residential Hillside

MagnumStone’s retaining wall system made a big impact on this residential property, securely stabilizing a slope in close proximity to the landowner’s home. Reaching 26 ft. (7.9 m.) high with embedment and stretching 170 ft. (51.8 m.), the geogrid reinforced retaining wall delivered a strong, beautiful, backyard solution.

Its rugged appearance and concave curve design fit snugly around the house, which stands as close as 12 ft. (3.66 m.) away. Construction wasn’t easy in such limited space, but MagnumStone’s lightweight, hollow core blocks helped the contractor access the site and complete this wall’s installation with ease.

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|---------------------------------|---------------------------------------|
| Total Block Installed | 3,300 sq. ft. (307 sq. m.) |
| Maximum Height | 26 ft. (7.9 m.) |
| MagnumStone Manufacturer | <u>Lee Building Products</u> |
| Contractor | SS-N-S Services, LLC. |
| Civil Engineer | <u>Renaissance Design Build, Inc.</u> |
| Geotechnical Engineer | <u>Vector Engineers, Inc.</u> |

MAGNUMSTONE WALL STABILIZES CHALLENGING RESIDENTIAL HILLSIDE

Shepherdsville, Kentucky, USA



PROJECT OVERVIEW: CURVED MAGNUMSTONE WALL PROTECTS RESIDENTIAL PROPERTY

MagnumStone's retaining wall system delivers secure slope stabilization and maximized development space for this residential property's landscaped yard, reaching 26 ft. (7.9 m.) high with embedment.

This MagnumStone geogrid reinforced wall efficiently built a concave curve to work around and protect the property's house. Accessibility for this project was challenging, as the wall stands as close as 12 ft. (3.66 m.) from the home. MagnumStone's hollow core units made it easier to lift and place the blocks in such limited space.

The wall spans 170 ft. (51.8 m.) in length, with tapered step-downs that integrate more refined finishing details. The rugged appearance and Ridgestone color

of the blocks, produced by [Lee Building Products](#), blend well with the natural landscape.

The reinforced wall offers exceptional strength and was installed with the expertise of local crew SS-N-S Services, LLC. MagnumStone's streamlined installation techniques use construction equipment to hoist the blocks, increasing worksite safety and reducing labor costs.

The system's precast hollow core retaining wall blocks are filled with clear crush gravel for exceptional drainage efficiency. With built-in drainage channels, MagnumStone helps expedite water conveyance to enhance the retaining wall's strength and durability for generations.

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Looking to build your next retaining wall project closer to structures, underground utilities or property lines? Design taller reinforced retaining walls with geogrid or gravity extender units through MagnumStone's comprehensive [Retaining Wall Design & Analysis Software](#).

For more technical insights and information, view MagnumStone's full library of [block specifications](#), [downloadable engineering drawings and CAD details](#).

This project was successfully completed thanks to [Lee Building Products](#) (MagnumStone Producer), SS-N-S Services, LLC (Contractor), [Renaissance Design Build, Inc.](#) (Civil Engineer) and [Vector Engineers, Inc.](#) (Geotechnical Engineer).

CONTACT OUR TEAM TODAY

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Contact our MagnumStone experts for more details.

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