

*Project  
Spotlight:*  
**KEEP 2.0  
ATLANTA NORTH  
PHASE I**

## Engineering Excellence: Tackling North Georgia's Extreme Terrain with Contour Retaining Walls

In partnership with Contour Retaining Walls, this North Georgia project takes on dramatic elevation changes, requiring several retaining walls that soar over 20 feet, with some reaching an astonishing 76 feet! Such extreme conditions demanded innovative engineering, precise design, and proven materials.

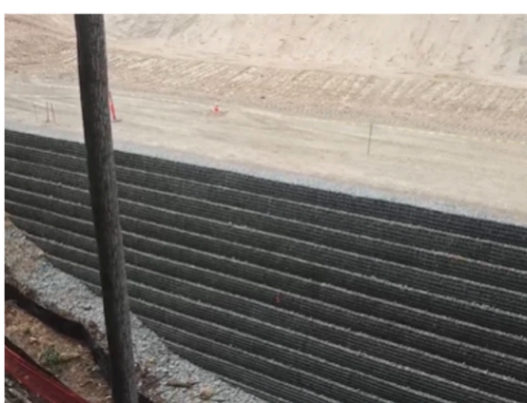
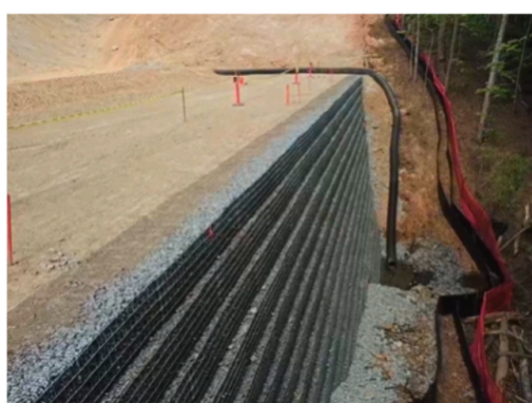
To meet these challenges, Earth Retention deployed state-of-the-art solutions, including:

- 6 Hot-Dipped Galvanized (HDG) MSE Walls towering up to 76 feet.
- 35,000 SF of total wall face area.
- 2,400 HDG Welded Wire Forms for unmatched durability.
- 132,000 SY of Geogrid to ensure stability and load distribution.

### Why HDG Welded Wire Forms?

These systems provide the perfect combination of strength and flexibility for extreme elevation changes to handle short term and long term settlement. The 76 foot tall retaining wall was built in stages to allow for consolidation for foundation soil and reinforced fill zone. Their flexible nature allows for large amounts of total and differential settlement. Their light weight allows for rapid installation while maintaining structural integrity and adaptability critical to the site's unique terrain. In addition, there is a significant freight advantage over other wall systems with up to 20,000 square feet of wall face are shipped on a single truck!

This collaboration showcases the innovation and expertise needed to conquer even the most challenging landscapes!



## —MEET OUR TEAM—



**Susan  
Rafalko, P.E.**

With over 15 years of experience in the design and engineering of mechanically stabilized earth (MSE) precast panel walls, Susan is an expert in both steel and geosynthetic soil reinforcements.

Susan holds a B.S. in Civil and Environmental Engineering and an M.S. in Geotechnical Engineering from Virginia Tech. She's also a licensed Professional Engineer in 16 states across the western U.S.

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