



Project Spotlight: Paragon Elementary

Earth Retention is excited to showcase one of our latest projects — Paragon Elementary in Nashville, TN, where we provided innovative earth retention solutions using the Flex MSE® system. This project secures a new bus lane and roadway for the school, playing a key role in the creation of a bioretention pond—an essential component of the school's rain harvesting and runoff management strategy.

Partnering with Greenrise Technologies, Earth Retention was tasked with designing the retaining walls and supplying 7,500 square yards of geogrid to ensure the long-term stability of this vital infrastructure. The 4,100 square foot wall, reaching heights of up to 17 feet, is more than just a structural solution; it's a statement of our commitment to sustainability. The bioretention pond will help reduce runoff, improving the school's environmental footprint and creating a much-needed green space for students and staff.

In the coming weeks, the area will be hydroseeded with a mix of 15 native plant species, enhancing the project's green infrastructure. Once established, this “green wall” will provide the school with a natural and visually appealing solution that the students will enjoy daily.



Product Spotlight: Flex MSE®

Flex MSE® is a revolutionary Vegetated Wall System, using the same MSE principles trusted by builders worldwide. Its Interlocking Plate, made from 100% recycled material, enhances geogrid compatibility and friction strength. Plus, it weathers events that would ruin other systems, getting stronger and greener over time!

Flex MSE® Plates are:

- Made from 100% recycled material
- Designed to bridge the gap between Bags to create an interlocking mechanical connection
- Engineered with Friction Strips for greater Bag to Bag mechanical connection Geogrid hooks to connect soil reinforcement.

Flex MSE® Bags are:

- Filled with sand and organics
- An ideal 'planter block' for many types of vegetation
- Water and root permeable
- Flexible enough to create almost any contour or angle



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