



## Lee's Branch Streambank Stabilization Midway, KY December, 2004

EcoGro was contacted to provide stabilization solutions for an eroded stream bank in Midway, Kentucky. The site was being restored as part of an off-site mitigation plan from the development of a large shopping center in the region. This restoration site is also adjoining an elementary school, providing a unique outdoor facility to provide students with opportunities to learn about ecological principles.

During the construction process, a rock toe was installed along 400 feet of an eroded streambank. However, due to site limitations, the designers also needed a product to stabilize the steep, bare slope without removing existing trees. A compost-based "Living Wall" application was selected to establish vegetation and stabilize the slope. EcoGro created the bioengineered onsite with the use of specialized blower trucks to pneumatically deliver a blend of compost, gravel and seed into 12" HDPE mesh tubes. Upon completion of the "Living Wall", 200 dormant willow stakes were planted along the bottom of the slope to quickly root and establish a strong, environmentally sensitive solution.

Seeding and stabilizing soil along creeks in winter can be a tricky proposition. For this project, a durable Bonded Fiber Matrix (BFM) hydromulch was applied to bind the soil within the floodplain and reduce loss of both soil and expensive riparian seed.

**Project Reference:** Contact EcoGro



### Key Features:

- Bank stabilization
- Bioengineering
- Filtrexx® Filtersox Living Wall
- BFM hydromulching

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