



## Bluegrass Station Stream Restoration Lexington, KY October, 2008 - January, 2009

EcoGro was awarded a contract to restore and enhance 6,000 feet of an unnamed tributary to Avon Branch of the North Elkhorn Creek in northeast Fayette County. The project required excavation to reshape or relocate the channel, construct bankfull benches and lower the floodplain. In-stream structures, such as rock cross vanes, riffles, logs, rootwads and rock toes, were built within the channel to provide grade control, bank stability and aquatic habitat. Materials used to create these structures were harvested onsite to provide the best natural fit. Not only did the use of onsite materials provide the most realistic appearance, but also authentically represented the creek's natural form. Many trees and shrubs removed during excavation were stored onsite and transplanted after the final grade was established.



Temporary cover crop and 100% biodegradable Nature's Blanket™ was installed to provide erosion prevention and sediment control. A selection of native grasses and wildflowers were broadcast throughout the floodplain. Lastly, live stakes were installed along the banks to ensure a dense establishment of fast growing roots to hold the soil.

The project also required installation, maintenance and regular inspection of erosion and sediment controls. EcoGro's Qualified Inspectors provided further assistance and expertise to the project by acquiring local grading permits, the creation of SWPPP documentation and required inspections.

Project Partners: Kentucky Transportation Cabinet, Kentucky Department of Military Affairs, Stantec Engineering



Project Reference: Contact EcoGro

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### Key Features:

- Natural channel design
- Riparian buffer
- Native plants
- Biodegradable erosion and sediment controls
- EPSC Qualified Inspectors
- SWPPP documentation

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