



## UK/FEMA Alumni Drive Water Quality and Flood Mitigation Project Lexington, KY April - August, 2015

This project, designed by Bell Engineering, is intended to serve a dual-purpose as a passive park with stormwater management functions. As a \$12,000,000 FEMA Hazard Mitigation Grant, the primary purpose was to address flooding problems caused by an undersized system on the southern part of the University of Kentucky's main campus. Below a new parking lot, 8.3 acre-feet of underground detention will reduce stormwater from the mostly impervious 240 acre watershed. Additional goals were to enhance stormwater quality, create a natural riparian habitat corridor and to produce an attractive and inviting greenspace on campus. The open stream channel design will feel like a park to pedestrians moving through the area. Overlook platforms with educational signage at each end of the stream section will provide teaching opportunities. Upstream of the open channel, a series of landscaped detention basins adjacent to Commonwealth Stadium will help reduce flows. The end result should prove to be innovative and attractive, with over 100 more trees added to the campus when complete.

Being a very high profile project with a rigid schedule, both the University of Kentucky and Bell Engineering wanted to ensure a capable and competent bidder was awarded the contract. EcoGro was sub-contracted by Bluegrass Contracting to meet qualifications criteria for bidding the project. Our experience with channel design and construction helped to deliver results that exceeded expectations of our clients. With a vested interest in seeing the natural area develop through the establishment phase, EcoGro has been contracted to provide on-going oversight and stewardship of the native wildflower meadow.

**Project Partners:** University of Kentucky, Bell Engineering, Bluegrass Contracting and Ridgewater



### Key Features:

- Flood Mitigation
- Stormwater Quality
- Stream Construction
- On-going Maintenance

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