



Clean Water. Healthy Life.

BEST PRACTICES *for* STORMWATER MANAGEMENT IN METROPOLITAN KANSAS CITY

STREAMBANK STABILIZATION

Stream Corridor Restoration, Roe/Nall Greenway Park, 105th and Roe, Overland Park, Kansas

Goals

To demonstrate streambank stabilization techniques, invasive plant management, and riparian corridor management. Additional goals include development of interpretive signs and environmental curriculum for nearby schools.

Description

The Blue River Watershed Association (BRWA) worked to restore a 300 foot length of nine to ten foot wide trail bed to native vegetation (roughly $\frac{3}{4}$ acre) along the Indian Creek stream corridor in the Roe/Nall Greenway Park. A greenway trail which was perched on an eroding bank above the stream has been reconstructed in the wooded area north of the site. Baseball and soccer fields lie to the east and west, on the north side of the streamway trail. The project was implemented in cooperation with the city of Overland Park, students from the Shawnee Mission School District, and Patti Banks Associates.

Prior to the restoration activity, BWRA members educated local students on the value of streams, introduced or reinforced the concept of watersheds, and described the potential effects of urbanization on riparian areas.

Students and BRWA members assisted Overland Park Staff in removing invasive plant species along the stream prior to planting the area with native grasses and wildflowers.

Community Benefits & Lessons Learned

This project will encourage broad community cooperation to help solve a stormwater runoff problem. Park users of all ages will be provided with opportunities to learn about and assist with on-going stream restoration efforts along Indian Creek.

The greatest challenge was establishing native grasses and wildflowers in a shady woodland setting.

Funding Sources and Partnerships

Overland Park Parks and Recreation Department, Blue River Watershed Association, Mid-America Regional Council
US Environmental Protection Agency (EPA) Region 7

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Students help plant native shrubs along the streambank.



The paved trail originally located along a failing section of streambank was moved and the area replanted with natives.



Native vegetation is being used to stabilize the streambank.