



Clean Water. Healthy Life.

BEST PRACTICES *for* STORMWATER MANAGEMENT IN METROPOLITAN KANSAS CITY

STREAM RESTORATION | STREAMWAY PARK

Manchester Park, 99th Terrace Circle and Lone Elm Road, Lenexa, Kansas

Goals

To manage stormwater runoff while providing a recreational amenity for the surrounding community, and to demonstrate the utility of using native plants in stormwater management, soil stabilization, and water conservation.

Description

This project is comprised of design and construction of a natural channel and wetland pool within the existing Manchester Park Subdivision, including trail construction to the new elementary school.

A natural stream channel has been constructed in the existing drainage way between homes within this particular subdivision. Two types of stream channel designs (Rosgen) were implemented based on management of flows and the desire to increase water quality throughout the drainage way. The main portion of the stream is a shallow gravel bed, while the southern portion is a grassland stream with tall native grasses on each side. Native grasses, wildflowers, and wet meadow plants are used in a more manicured pattern to provide structural stability with a well defined border.

Community Benefits & Lessons Learned

A neighborhood amenity has been created that provides a natural play area for children. Construction was done in partnership with the Park Department's recreational trail system and the new Manchester Elementary School. Several neighborhood meetings were held with the residents, over twenty sent letters of support for the grant submittal process.

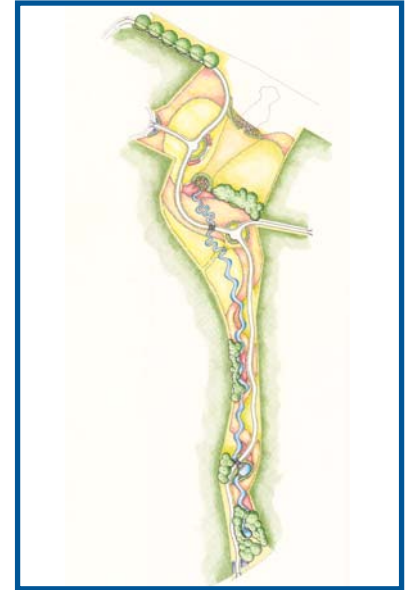
From other stream restoration projects in Lenexa, including Rock Creek, 83rd Terrace, and Harmony Park, the City has discovered the importance of transition zones with more of a landscape architect's eye on plant selection, both for aesthetics and maintenance purposes.

Funding Sources and Partnerships

City of Lenexa Public Works Dept.-Watershed Division, U.S. Environmental Protection Agency (EPA) Region 7, Kansas Dept. of Health (KDHE)-319 Grant, Black & Veatch-Design Team, Patti Banks Associates, Tetra Tech EM Inc.

Contact

Mike Beezhold, Watershed Manager
City of Lenexa
12350 West 87th Street Parkway
Lenexa, Kansas 66215-2882
(913)477-7680
mbeezhold@ci.lenexa.ks.us



Plan view of Manchester Park.



Stream and trail design and native plantings are presented at a community meeting.



Construction of the stream channel and trail system.