



Clean Water. Healthy Life.

BEST PRACTICES *for* STORMWATER MANAGEMENT IN METROPOLITAN KANSAS CITY

STREAM STABILIZATION

Harmony Park Stream Stabilization, 93rd Street and Lackman, Lenexa, Kansas

Goals

To provide stream stabilization and corridor restoration on a highly impacted urban stream.

Description

In order to prevent further erosion and protect the integrity of the stream, the City of Lenexa utilized multiple Best Management Practices (BMPs) to stabilize the stream. This project includes rock grade controls, bank-full floodplains, and slope and corridor restoration using native plants and trees.

Community Benefits & Lessons Learned

The benefits of this project include several environmental improvements. The stabilization measures prevent stream degradation and improve water quality through filtration.

Through this and other stream restoration projects, the city has learned the importance of delineating the project from the neighbors' property. This was accomplished using trees as the boundary.

Funding Sources and Partnerships

City of Lenexa, Kansas Public Works Department, Watershed Division

Contact

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This upstream shot of the Harmony Park project demonstrates the use of erosion control blankets and native plantings.



Downstream, the overflow plane has been graded back to allow greater capacity in large rain events while rock grade controls provide streambed protection.



Plantings of native vegetation reinforce the streambank protection provided by the erosion control blanket.