



Clean Water. Healthy Life.

BEST PRACTICES *for* STORMWATER MANAGEMENT IN METROPOLITAN KANSAS CITY

INFILTRATION SYSTEM

Coon Creek Wetland (East) and Playfield, West of 91st Street and Redbud, Lenexa, Kansas

Goals

To create a stormwater filtration system and incorporate it into a recreational facility.

Description

The project includes a wetland and infiltration system. The infiltration system is the unique aspect to this project. It includes a permeable rock layer under a fescue playfield. Water is introduced to the rock layer through a perforated underdrain pipe. Water is retained in the rock layer until it infiltrates into the ground water or adjacent stream. The purpose of the project is to clean water run-off from an adjacent cul-de-sac while providing access to a recreational facility for local residents. The constructed wetland also functions to filter water draining from the playfields.

Community Benefits & Lessons Learned

Beyond the environmental component of water quality, this project also benefits the community by providing a recreational facility.

Funding Sources and Partnerships

City of Lenexa, Kansas Public Works Department, Watershed Division
Black & Veatch

Contact

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The infiltration field (in background) provides recreational space and quickly drains run-off into the wetland (in foreground).



Constructed wetland treats stormwater run-off, reducing the impacts of residential development.



Filtered water enters a secondary pool prior to going back into the stream.