



Clean Water. Healthy Life.

BEST PRACTICES *for* STORMWATER MANAGEMENT IN METROPOLITAN KANSAS CITY

INFILTRATION

Coon Creek Trailhead Porous Asphalt Parking Lot, (1/4th mile) East of K-7 on Prairie Star Parkway, Lenexa, Kansas

Goals

To demonstrate innovative technologies that infiltrate stormwater, minimize run-off, and reduce the need for traditional stormwater facilities (i.e. fewer curbs, gutters, retention ponds, etc.).

Description

The Coon Creek Trailhead porous asphalt parking lot is an 18 stall parking lot. This site demonstrates the parking lot design with porous asphalt which reduces run-off, recharges groundwater, and reduces pollutants to the adjacent stream system. The project is the first of its kind in the region and was constructed as a demonstration of this new, environmentally-friendly technology.

Community Benefits & Lessons Learned

In addition to providing learning opportunities for workers regarding installation methods, the porous asphalt parking lot also provides environmental benefits. These benefits include reducing run-off, recharging groundwater, and reducing pollutant discharge into the adjacent stream system. Consequently, as a model of innovation, the porous asphalt parking lot also serves as an educational tool for watershed best practices and innovative methods of stormwater management.

In addition to the environmental and educational benefits, the porous asphalt site provides an economic alternative to watershed management. Though traditional approaches rely on costly infrastructure, new technologies like the porous asphalt parking lot demonstrate eco-friendly improvements to pipes, inlets and detention basins.

Funding Sources and Partnerships

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

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New pervious asphalt parking lot provides needed citizen access while demonstrating an innovative BMP.



The next time it rains, the parking lot will recharge groundwater through infiltration, working for the environment for a change.