



Oregon Trail Park Renovation

Olathe, Kansas

GREEN INNOVATIONS

- Pervious parking lot with cooling capabilities
- Extended wet-detention basin and extended detention wetland

QUICK FACTS

- Project cost: \$4,000,000
- 43,130 square feet (approximately 125 parking stalls)
- Completed April 2009

DESCRIPTION

Oregon Trail Park features a pervious concrete parking lot made up of eight inches pervious concrete and 24 inches of clean gravel below the pavement. This allows the drainage to filter down into the pavement, slowing down, cooling and filtering the water before discharging the stormwater into a nearby pond. The pond has been renovated into an extended wet-detention basin to provide stormwater cleansing to the adjacent 36 acres. Wetlands on the north side have been preserved and slightly modified to function as an extended detention wetland with a 40-hour draw-down outlet structure.

This parking lot was designed with 125 stalls constructed out of pervious material and 125 stalls made of traditional concrete. The cost of pervious parking is approximately \$60 per square yard; traditional concrete typically runs approximately \$45 per square yard.



FUNDING

City of Olathe parks sales tax funds, Johnson County stormwater funds, Olathe youth baseball and Lake Olathe watershed BMP cost share.

DESIGN TEAM

Shafer, Kline and Warren, Inc.
City of Olathe

CONTACT

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