Miller Park to Pershing Detention
Basin Sewer Separation Project

CSO! Clean Solutions for Omaha

COMPLETED DATE:
- Q2 2014

COST AT COMPLETION:
- $5.5 million

PROJECT LOCATION:
- In the Minne Lusa Basin, along Redick Avenue north of Miller Park

The Miller Park to Pershing Detention Basin Sewer Separation Project diverts already separated stormwater to the Pershing Detention Basin.

This project included construction of approximately 2,300 feet of 60-inch stormwater conveyance sewer between the Miller Park Detention Pond and Pershing Detention Basin. Due to topography and utility conflicts, approximately half of the stormwater sewer pipe was installed using underground tunnel construction, known as microtunneling. Modifications to the existing Miller Park outlet structure and construction of a new inlet into the Pershing Detention Basin were also included in the project.

As a result of these improvements, this project reduces flows in the combined sewer system and the size of required downstream controls. Water quality benefits are achieved as water flows through the Pershing Basin on its way to the Missouri River where it is discharged.

GREEN INFRASTRUCTURE: Miller Park

A vegetated swale, or bioswale, was constructed to help direct stormwater runoff from Miller Park to the new conveyance sewer. A bioswale

is a shallow channel designed to slow the flow and also filter stormwater. They are planted with grasses that thrive in high moisture conditions and ultimately help filter stormwater before it enters the sewer system.