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PROJECT INFORMATION SHEET

Central Park Biofiltration Stormwater Treatment System

Project Need

The City of St. Anthony Village is currently reconstructing its utilities and roadways. As a result, the City must meet the requirements of the Rice Creek Watershed District (RCWD) for treating stormwater runoff before it is discharged from the City. To meet these permit requirements, the City of St. Anthony Village reached a Memorandum of Understanding (MOU) with the RCWD to provide a series of regional stormwater systems to meet the needs of the street reconstruction program. One of these systems is the Central Park Biofiltration System, which is currently proposed to be constructed in the summer of 2014. This project will exceed the requirements for the 2014 street reconstruction project and provide additional credits for stormwater treatment practices that can be used on future street reconstruction projects to meet the RCWD permits.

Project Description

The Silver Lake Stormwater Biofiltration System will be constructed on the north end of Central Park in the existing depressional area north of the hockey rink and south of the homes on Skycroft Drive. The system will use a sand filtration bed where stormwater enters the pond, filters through the sand filter, and then a series of pipes underneath the pond collect that water and drain it downstream. The project proposes to remove phosphorus and total suspended sediments that come into the pond from the adjacent park and parking lot areas. The system will be constructed beginning in the summer of 2014 and be completed in the fall of 2014.

Project Goals

The City aims to reduce stormwater pollutants conveyed downstream into Rice Creek County Ditch System 3, which is tributary to Long Lake in the City of New Brighton. Long Lake is an impaired water with the MPCA and is a priority water body for the RCWD for water quality protection.

Construction Cost: \$200,000

Completion: Summer 2014; operational by Fall 2014

Funding Sources

Rice Creek Watershed District: \$50,000

City of St. Anthony Village: \$150,000

