

Alternative Stormwater Management Strategies Green Initiative Projects Summary

Project List for 2005

- Folwell Middle School – Estimated Cost \$500,000
- Hawthorne Rain Garden – Estimated Cost \$250,000
- City of Lakes Building Parking Lot – Estimated Cost \$125,000
- Flood Area 14 Mini Pond - \$465,000
- 52nd & Newton – Estimated Cost \$250,000
- CSO Project #30 – Estimated Cost \$70,000

Total = \$1.66 Million

Folwell Middle School Green Initiative.
3611 20th Avenue South

Estimated Cost: \$500,000

Project narrative:

The removal of over 2.5 acres of asphalt on the property will be the first phase of creating a more stormwater friendly environment at Folwell. The site drainage from north to south will facilitate the construction of an infiltration/basin rain garden. This basin will provide retention for the entire site as well as the adjacent 5+ acre watershed for the 100 year storm event. The pond will also facilitate the mandated disconnection of the roof drain from the sanitary sewer, as the current system has no additional capacity. The project forms partnerships with the School Board, the school's Site Council and the neighborhood, to create a sustainable amenity that will enhance the neighborhood while solving stormwater problems. Other benefits include an improved the quality of life, on-site educational opportunities, reduction in flooding, improved water quality, reduction in stormwater fees paid by the School Board and the resolution of an environmental problem.

The School Board's contribution will be disconnecting the roof drain from the sanitary system and running a new storm sewer to a location to be determined by Public Works.

Hawthorne Rain Garden
26th Avenue North and the Mississippi River

Estimated Cost: \$400,000, City of Minneapolis \$250,000

Project narrative:

In partnership with the Mississippi Watershed Management Organization, Minnesota Environmental Initiative (*MEI*), and Lafarge and Aggregate Industries, create a 1.3 acre rain garden along the Mississippi River. This rain garden will provide treatment for stormwater runoff from nearly 100 acres prior to its discharge to the Mississippi River, create a green space to be used by local residents, and provide wildlife habitat. In addition to the primary benefit of improved water quality, this project will fulfill requirements of the State of Minnesota Mississippi River Corridor Critical Area and the Mississippi National River and Recreation Area. This project is the first step in the greening initiative for the river between the Camden Bridge and Plymouth Avenue.

City of Lakes Parking Lot.
309 Second Avenue South

Estimated Cost: \$125,000

Project narrative:

This project will replace the existing parking surface, currently used for the One Stop Shop Contractors, with pervious pavement. The replacement will also facilitate the re-stripping the lot which will provide for more green space and create an infiltration /rain garden area. When complete this project will reduce runoff, improve water quality, and reduce stormwater fees, while providing a green stormwater amenity in a prominent location.

Flood Area 14 Wet Pond
4008 4th Avenue South

Estimated Cost: \$465,000

Project narrative:

In Partnership with the Neighborhood and CPED, Public Works will purchase the vacant property allowing for the construction of a wet pond with vegetated swales. When completed the pond will reduce flooding potential, provide water quality to the Mississippi River, create habitat, and enhance the aesthetic quality of the site.

52nd and Newton Spillway.

Estimated Cost: \$250,000

Project narrative:

This project will re-grade the intersection to promote better drainage by depressing curbing and creating a vegetated swale. This project benefits Minnehaha Creek water quality and overall beautification of the site, in collaboration with the Park & Recreation Board and the Minnehaha Creek Watershed District.

CSO Project Area 30.
William Berry Parkway

Estimated Cost: \$70,000

Project narrative:

Disconnect the catch basins from the sanitary sewer by redirecting flow into a drywell and infiltration basin. In partnership with the Minneapolis Park & Recreation Board and the CSO Program, this project will provide reduced inflow to the sanitary sewer, the elimination of odors and the creation of a natural stormwater amenity.