

MEMORANDUM

To: Minnehaha Creek Watershed District Board of Managers
From: Brandon Wisner and Brett Eidem
Date: October 23, 2014
Re: Spring Park- Kings Rd and Warren Ave Drainage Improvement Project

Purpose:

The City of Spring Park has submitted to District Staff information related to stormwater related issues near the intersection of West Arm Road Central, Kings Road and Warren Ave. The city has identified a lack of storm water infrastructure in the area. There is a unique topography of the area because of the existing railroad bed, which is now the site of the Dakota Rail Regional Trail. Unfortunately, a number of residential homes in this area have been subjected to perennial flooding during the spring melt and heavy rainfall events. Aside from causing property damage, a significant amount of the excessive snow melt/stormwater has also been draining untreated into West Arm Bay of Lake Minnetonka, which is impaired for nutrients.

The City of Spring Park has proposed a project that provides drainage improvements that would decrease the flow of water reaching the affected neighborhood. The proposed treatment train includes two detention ponds, one large infiltration basin with small receiving bays, and two sump manholes.

The project consists of reconstructing the stormwater basin adjacent to the City Hall of Spring Park. The project has evolved from a requirement of stormwater management through the MCWD permitting requirements for a slight increase in impervious surface proposed, to now proposing a large expansion of the stormwater pond to mitigate for regional stormwater flooding of the nearby residential property drainage. The proposed expansion of the basin will reduce volume, control discharge flow rate and filter out pollutants, increasing the water quality for this area discharging to West Arm Bay.

The MCWD Low Impact Development Fund is a grant program that was developed to assist and incentivize projects to go above and beyond the Districts rule requirements to better enhance the water quality treatment where there is an opportunity. The most recent project funded through the program was a Mound Road Reconstruction Project in 2013. The City has discussed the project with District staff, and has included the educational programming that staff has requested to be part of the project. There will be educational signage near the basin, and a project description in City Hall as well on their website. It will describe the project intent and as well as the partnership with the District.

There is still not a specific amount of funding that the District staff and District engineer have decided on for the project. District staff has reviewed the proposed project plans and intent, and feel that the project falls directly in line with the qualifications for LID funding. The total project cost is \$199,455.00. District staff will look at what parts of the project are directly related to water quality treatment, not all of the project. Staff will also include the costs for the signage, and will have the final requested funding amount for the Citizens Advisory Committee on Wednesday, October 22, 2014. District staff is working through the Board approved *Resolution 13-023 of Public Hearing Procedure for Cost Share Projects Involving Capital Construction*. Once the LID project review is complete, staff will present the project and request potential funding. This is anticipated to take place on the November 13 Board Meeting.