



Bassett Creek Watershed Management Commission

Technical Advisory Committee Meeting

Monday February 4, 2019

1:00 – 3:00 p.m.

Council Chambers, Golden Valley City Hall

1. CALL TO ORDER
2. COMMUNICATIONS
3. ELECT CHAIRPERSON
4. BUSINESS

A. Consider Recommendations of CIP Prioritization Committee (See CIP scoring matrix attached to email + hotspot map and CIP fact sheets attached below)

Starting last April, the CIP Prioritization Committee met 6 times to determine if and how capital projects in the watershed can be further prioritized for targeted implementation so that 1) the best project gets built in the best location at the best time, 2) Commission goals and priorities are fully considered during project selection, and 3) commissioners and commission staff are more involved in the development of the 5-year CIP. The committee included several commissioners and alternate commissioners along with TAC members Eckman and Asche/Scharenbroich. Committee work included:

1. Reviewing current BCWMC policies and practices regarding the development of the 5-year CIP
2. Reviewing maps of where the "CIP gatekeeper questions" apply (Policy 110 in Watershed Plan)
3. Receiving a presentation from Minnehaha Creek WD to learn how they prioritize projects
4. Weighing the pros and cons of two different approaches including focusing only on certain geographic areas in pollution "hot spots," and/or using a matrix to quantitatively score the projects
5. Acknowledging that the extended timeline of the BCWMC 5-year CIP process makes it difficult to incorporate projects done in conjunction with private redevelopment, and that a project grant program should be considered in the future.

You can find committee meeting materials and meeting notes in the lower left of [this page](#).

Recommendations: At their meeting in January, the committee came to consensus in recommending that:

1. The Commission use the attached matrix to score potential CIP projects to help the Commission prioritize projects for implementation. [READ MORE ABOUT THE MATRIX BELOW]
2. The Commission not use the outcome of the matrix as an absolute determination of whether a project should be added to the CIP list.
3. The Commissioners and Commission staff become more involved in the initial development of the 5-year CIP list by incorporating some or all of the following practices:
 - a. TAC members understand where the Commission is seeking projects and what type of projects the Commission is prioritizing.
 - b. Commission staff and TAC members develop, discuss, and give substantial thought (just short of analysis) to each project idea. This is likely to elongate the 5-year CIP

development process. Project ideas should be brought forward and discussed in November or December of the year prior to 5-year CIP development.

- c. The Commission and TAC hold a joint workshop where potential concepts are discussed and presented. A joint decision would be made on what projects to consider for the 5-year CIP. [Alternatively, the Commission could create a CIP Committee to complete this initial process and bring recommendations to the full Commission.]
- d. The Commission and the individual TAC members understand each member cities' internal processes regarding redevelopments. When/how do TAC members hear about potential redevelopments? How does city staff work with redevelopers on stormwater management? What is the typical timeline from concept to approval/construction?
- e. City staff that are involved in redevelopments (from the beginning) also need to be aware of the potential for BCWMC participation in projects (this may require involvement by individual TAC members, at least in the beginning).
- f. If warranted, Commission staff (administrator and engineer) could be involved in key points in the cities' redevelopment processes. Depending on the redevelopment opportunity and the stage of the process, this could be a phone call, email or in-person meeting.

MORE ABOUT THE MATRIX:

The attached matrix includes scores for four completed CIP projects with information known at the time it was added to the 5-year CIP (PRE-PROJECT) and again after the project was complete (POST PROJECT). Pre-project information was based on the project fact sheet submitted during 5-year CIP development. Fact sheets for the projects scored in the matrix and the phosphorus pollution hotspots map are also attached.

The CIP Committee acknowledged that there are limitations to using the matrix, including 1) its use may inhibit good projects from being properly ranked because not enough information is known so early in the process (scores increased as much as 35% once the total project impact was known); and 2) it may promote "over promising" at the pre-project phase, if project components are included in the initial concept that cannot ultimately be incorporated. However, the committee also realized it may prompt the Commission and project proposers to more fully develop pre-project concepts. Overall, the committee (including TAC representatives on the committee) indicated the matrix is a useful screening tool that would help focus projects in areas of pollution hotspots and flooding hotspots, and would relay Commission priorities through the scoring.

The TAC should review and discuss the CIP Committee's recommendations. Ideally, this item with CIP Committee recommendations and TAC comments will go to the full Commission at their February meeting and then will be used soon thereafter to develop the 2021 – 2025 CIP list.

Questions for the TAC to Consider:

1. Is chloride reduction an automatic result of less impervious surface? (There's an example in Plymouth where more deicing salt was used after a street narrowing project due to residents' concerns.)
2. Should a project that is part of a larger group or series of capital projects (such as DeCola Ponds) get extra points? Or does that situation get considered more during discussions/negotiations on CIP list development?

3. Would the matrix be a useful tool for city planning departments?
4. How do you see using the matrix?
5. When in the Commission's CIP process should the matrix be used?

B. Channel Maintenance Fund Update (See memo attached to email)

Please see the attached 2019 Channel Maintenance Memo with new totals. Cities are encouraged to submit requests to utilize available funding for appropriate projects.

C. Review Model Contract for Winter Maintenance (See explanatory memo and model contract attached in email)

Recently, the City of Edina convened a diverse committee of service providers, property managers, and other interested representatives to develop a model contract for snow and ice management services. The main focus of this work is to offer a model contract that embraces best practices to minimize environmental impacts from sand, chlorides and other chemicals, while also maintaining safety and addressing liability risk allocation. Cities might consider requiring or recommending the use of this contract by property managers/owners in their jurisdictions.

D. Consider Hosting Workshop

Through an MPCA grant, the BCWMC has two more trainings it can offer between now and spring 2020. Possible trainings include:

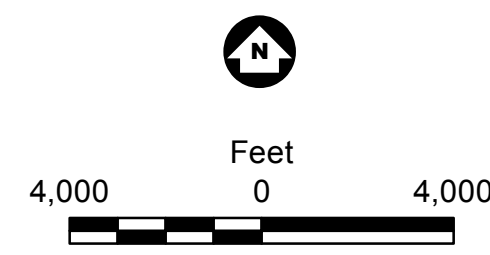
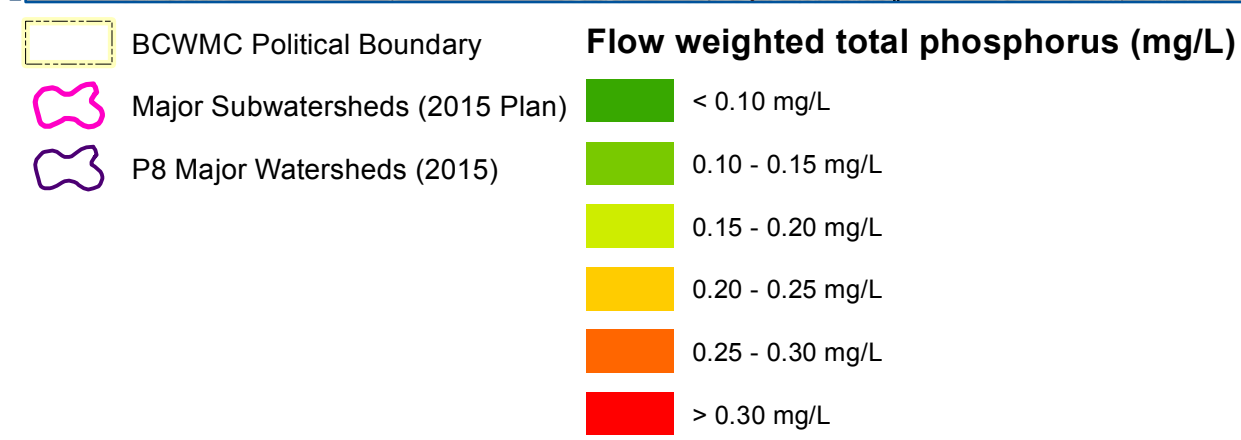
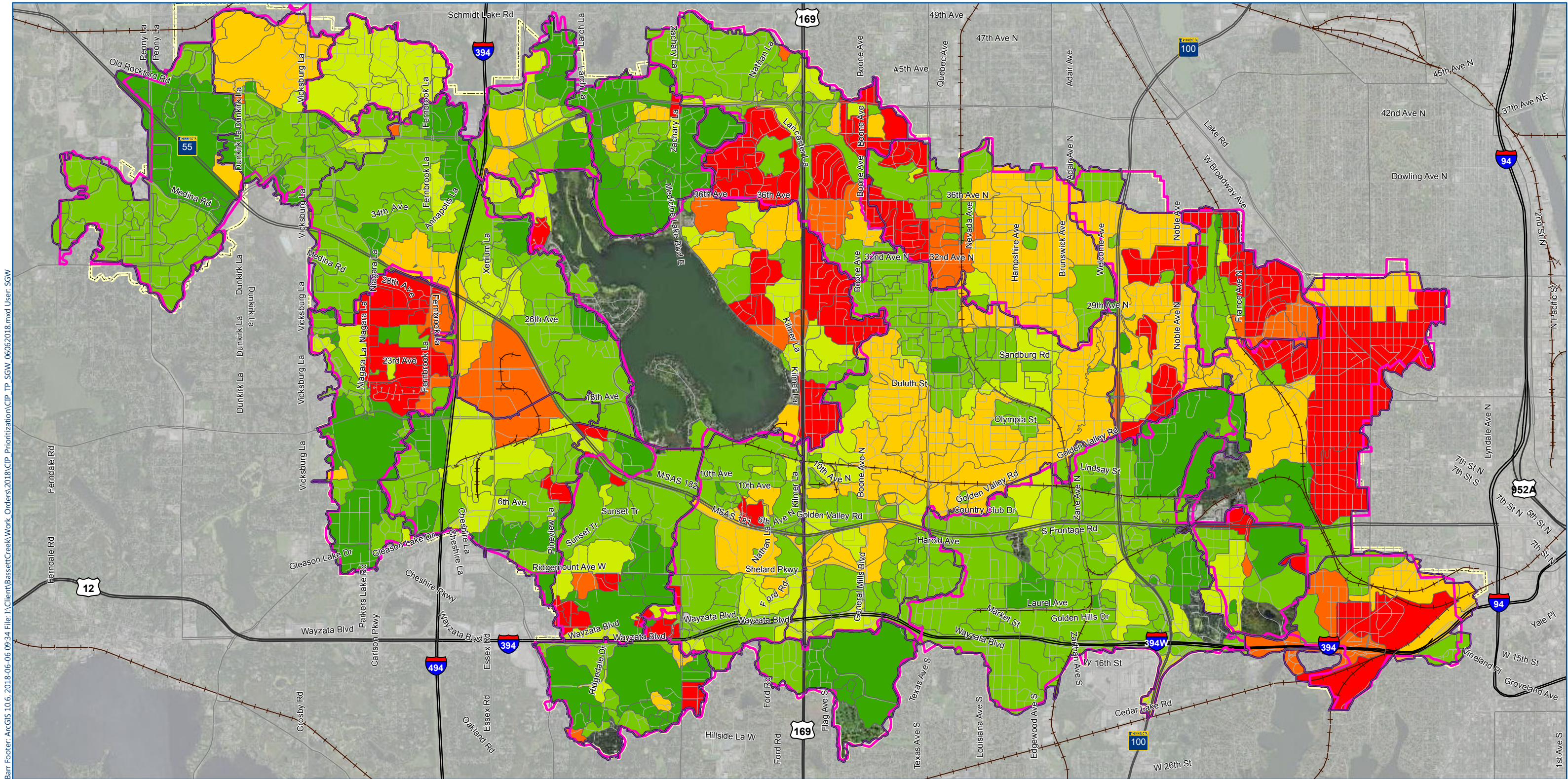
1. Smart Salting Level 1 for Roads
2. Smart Salting Level 1 for Parking Lots and Sidewalks
3. Smart Salting Level 2 for Roads
4. Turfgrass Maintenance with Reduced Environmental Impacts

The Commission or its member cities can host these free workshops through the grant. The training is free but meeting space, food, advertisements, and registration must be handled by the host. Let me know if your city would like to host one of these workshops or if you recommend the Commission host one.

5. ADJOURNMENT

Future TAC Meeting Agenda items: CIP Maintenance Funding Needs

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Phosphorus data reflect flow weighted total phosphorus concentrations at subwatershed outlet and include treatment from existing BMPs.

Figure 5
CIP PRIORITIZATION

TOTAL PHOSPHORUS LOADING
FROM P8 MODEL
Bassett Creek Watershed
Management Commission

**Bassett Creek Watershed
Management Commission**

Project Category: Water Quantity/Quality

Project Title: Jordan Outlot Pond and Pond NB 29A,B

Total Estimated Cost: \$595,000

BCWMC Project Number: NL-1

Description:

This project includes the construction of two ponds for water quantity and quality improvements prior to storm water outlet into Northwood Lake.

Source of Project Funding	2015	2016	2017	2018	2019
CIP Account – BWCMC ad valorem tax levy through Hennepin County		\$555,000	\$40,000		

Justification:

Northwood Lake is listed as impaired by the MPCA.

The proposed pond known as NB 29A,B will collect storm water from a drainage area of approximately 121 acres prior to outlet into Northwood Lake.

The proposed Jordan Outlot Pond will collect storm water from approximately 43 acres of the TH169 drainage ditch and Jordan Avenue area prior to outlet into Northwood Lake.

Scheduling and Project Status:

This project is anticipated for construction during the winter of 2016-2017. Prior to construction a feasibility study should be completed to better understand options and project costs.

Relationship to General Plan and Other Projects:

This project is consistent with the goals and policies of the BWCMC Watershed Management Plan and is included in the city of New Hope CIP.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



Jordan Outlot Pond



NB 29A,B

Project Category: Water Quality

Project Title: Honeywell Pond Expansion – Douglas Dr and Duluth St

Total Estimated Cost: \$285,000

BCWMC Project Number: BC-4

Description:

This project will be constructed in conjunction with the City of Golden Valley's Douglas Drive Reconstruction project and includes expansion of the existing pond to provide storm water quantity and water quality improvements for the street reconstruction project.

Source of Project Funding	2015	2016	2017	2018	2019
CIP Account – BWCMC ad valorem tax levy through Hennepin County		\$285,000			

Justification:

This project will coincide with the city's reconstruction of Douglas Drive. The project will include storm water quantity and water quality improvements that will maximize the rate control and water quality benefits provided by the existing ponding area. Improving rate control and water quality in ponding areas tributary to Bassett Creek is consistent with BCWMC goals.

Scheduling and Project Status:

A feasibility study will need to be prepared for this project. A minor plan amendment will also be required. Construction of the project is anticipated for 2016.

Relationship to General Plan and Other Projects:

This project is consistent with the goals and policies of the BCWMC Watershed Management Plan and is included in the plan as a "potential future" CIP project (Table 12-3). Per the Bassett Creek Main Stem Watershed Management Plan (2000), this project would remove an estimated 36 pounds of phosphorus per year. A minor plan amendment will be required to add this project to the BCWMC CIP.

The \$285,000 is a placeholder cost estimate. A new project cost estimate is expected in 2013.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



Project Category: Water Quality

Project Title: Briarwood-Dawnview Water Quality Improvement Project – Main Stem Watershed

Total Estimated Cost: \$250,000

BCWMC Project Number: BC-7

Description:

This project in the City of Golden Valley will include construction of a storm water treatment pond with an iron-enhanced sand filter. Built on City-owned property, the pond will remove phosphorous and sediment from the runoff of a 184 acre watershed before it discharges to Bassett Creek.

Source of Project Funding	2014	2015	2016	2017	2018
CIP Account – BWCMC ad valorem tax levy through Hennepin County	\$250,000				

Justification:

Stormwater runoff from the 184 acre watershed in the northern section of the City of Golden Valley currently flows through storm sewers into Bassett Creek without treatment. The proposed stormwater pond with iron-enhanced sand filter will remove solids and phosphorous that would otherwise pollute the creek.

Scheduling and Project Status:

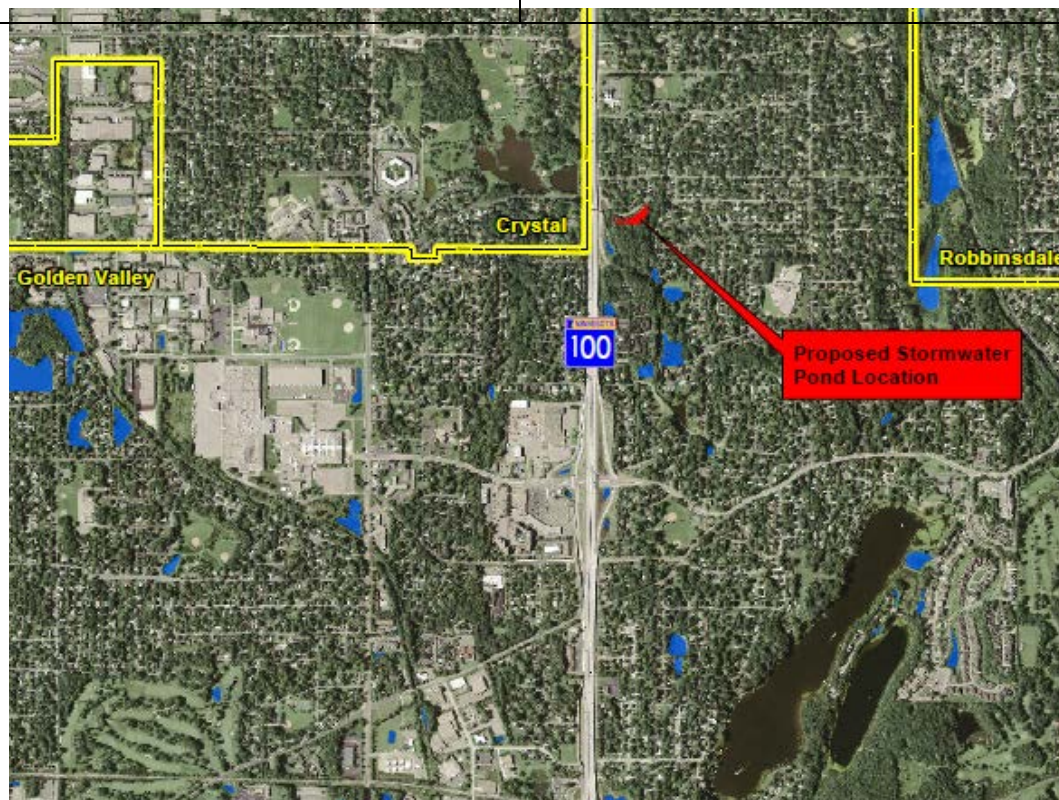
The project is currently in the design stage and is anticipated for construction during the fall-winter of 2014. An open house for neighbors was held on February 27, 2014.

Relationship to General Plan and Other Projects:

This project is consistent with the goals and policies of the BWCMC Watershed Management Plan and is included in the City of Golden Valley CIP.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.



Project Category: Water Quality

Project Title: Plymouth Creek Stream Restoration – Annapolis Lane through Plymouth Creek Park

Total Estimated Cost: \$559,000

BCWMC Project Number: 2017CR-P

Description:

This project in the city of Plymouth will include bank stabilization and erosion repair methods and will remove obstructions as necessary. Consideration should be given to a variety of best management practices including coir logs, erosion control blanket, live staking, cross veins, riffles, rip-rap, and buffers.

Source of Project Funding	2015	2016	2017	2018	2019
CIP Account – BWCWC ad valorem tax levy through Hennepin County			\$160,000	\$399,000	

Justification:

The City of Plymouth erosion inventory along Plymouth Creek, includes erosion and obstructions from Annapolis Lane, 2,500 feet upstream through Plymouth Creek Park. Rehabilitation and repair of Plymouth Creek in this area is consistent with BCWMC goals regarding water quality.

Scheduling and Project Status:

A Feasibility Study should begin on or about April 1, 2015. This project is anticipated for construction during the winter of 2016-2017.

Relationship to General Plan and Other Projects:

This project is consistent with the goals and policies of the BWCWC Watershed Management Plan and is included in the City of Plymouth CIP.

Effect on Annual Operations Costs:

This project has no effect on BCWMC Annual Operations Costs.

