

elm creek Watershed Management Commission

ADMINISTRATIVE OFFICE
3235 Fernbrook Lane
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April 20, 2020

Technical Advisory Committee
Elm Creek Watershed Management Commission
Hennepin County, MN

The meeting packet for this meeting may be found on the Commission's website:
<http://www.elmcreekwatershed.org/minutes--meeting-packets.html>

Dear Members:

A meeting of the Elm Creek Watershed Management Commission Technical Advisory Committee will be held on **Thursday, April 23, 2020, at 1:00 p.m.** This will be a virtual meeting.

Until further notice, all meetings will be held online to reduce the spread of COVID-19. To join a meeting, click <https://zoom.us/j/990970201> or go to www.zoom.us and click **Join A Meeting**. The meeting ID is **990-970-201**.

If your computer is not equipped with audio capability, you need to dial into one of these numbers:

+1 929 205 6099 US (New York)
+1 669 900 6833 US (San Jose)
+1 253 215 8782 US

+1 312 626 6799 US (Chicago)
+1 346 248 7799 US (Houston)
+1 301 715 8592 US

Meetings remain open to the public via the instructions above.

Please email me at judie@jass.biz to confirm whether you will be attending this meeting.

Thank you.



Judie A. Anderson
Administrator
JAA:tim

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Watershed Management Commission

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AGENDA

Technical Advisory Committee

April 23, 2020 • 1:00 p.m.

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1. Call TAC meeting to Order.
 - a. Approve agenda.*
 - b. Approve Minutes of last TAC meeting.*
2. Consider policy for non-structural practices.
 - a. SCWM Policy.*
 - b. Street Sweeper – additional information.*
 - c. Eligible for CIP?
 - 1) Bring recommendations to Commission.
3. Review CIP* and Exhibits.
 - a. Updated spreadsheet* and Exhibits* for CIPs being considered for levy in 2020.
 - b. Make recommendation to Commission regarding projects for levy 2020, payable 2021.
 - 1) Recommend Commission call for public meeting.
4. Project Review History.
 - a. 2019 Project Summary Costs.*
 - 1) 2020 Project Review Activity.*
 - b. Current Project Review Application* and Fee Schedule.*
 - 1) Draft revisions.*
 - c. 2020 Operating Budget – project review portion.*
 - 1) Recommendation for adjustment in 2021.
5. Other Business.
6. Next meeting _____.
7. Adjourn meeting of TAC.

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*in meeting packet

**available at meeting

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Technical Advisory Committee Meeting Minutes – April 8, 2020

I. A virtual meeting of the **Technical Advisory Committee (TAC)** for the Elm Creek Watershed Management Commission was convened at 10:34 a.m., Wednesday, April 8, 2020.

In attendance: Todd Tuominen, Champlin; Kevin Mattson, Corcoran; Nico Cantarero, Wenck Associates, Dayton; Derek Asche, Maple Grove; Kaci Fisher, Hakanson-Anderson, Medina; Ben Scharenbroich and Amy Riegel, Plymouth; Andrew Simmons, Rogers; Kris Guentzel, and Kirsten Barta, Hennepin County Dept. of Environment and Energy (HCEE); Jim Herbert, Barr Engineering; James Kujawa, Surface Water Solutions; Brian Vlach, Three Rivers Park District (TRPD); and Amy Juntunen and Judie Anderson, JASS.

A. Motion by Scharenbroich, second by Simmons to approve the **agenda**.* *Motion carried unanimously.*

B. Motion by Scharenbroich, second by Simmons to approve the **minutes*** of the January 8, 2020 Technical Advisory Committee meeting. *Motion carried unanimously.*

II. Capital Improvement Projects.

The members reviewed the CIP spreadsheet* and reported the status of each project. Three projects were added, specificity was added to two placeholder projects, and one project was removed.

Discussion occurred regarding the Enhanced Street Sweeper (Line 43). Information will be gathered and the Committee may develop a policy for this and similar practices. Similarly, the members will continue to discuss the Ranchview Wetland Restoration (Line 19).

III. The next meeting of the TAC is scheduled for 1:00 p.m., Thursday, April 23. This will be a virtual meeting. The agenda will include finalizing the CIP and calling for a Public Meeting, consideration of a policy for non-development practices, and review of the project review schedule v. current expenses.

IV. Other Business.

There being no further business, the meeting was adjourned at 11:40 a.m.

Respectfully submitted,

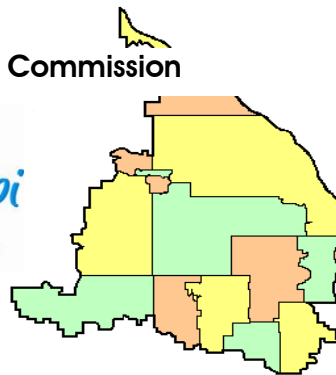


Judie A. Anderson
Recording Secretary
JAA:tim

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3235 Fernbrook Lane N • Plymouth, MN 55447
 Tel: 763.553.1144 • Fax: 763.553.9326
 Email: judie@jass.biz • Website: www.shinglecreek.org



Shingle Creek and West Mississippi Watershed Management Commissions Cost Share Policy for Capital Improvements Adopted 8/8/19

The Shingle Creek and West Mississippi Watershed Management Commissions share the cost of watershed-priority capital improvements and demonstration projects through the Commissions' Capital Improvements Program (CIP). High-priority watershed capital improvements are those activities that go above and beyond general or routine city management activities to provide a significant improvement to the water resources in the watershed. This Cost Share Policy establishes the basis for and amount of Commission contribution to qualifying projects.

Capital Improvements

High priority activities that result in Wasteload Allocation reductions toward a TMDL, help solve a regional flooding problem, or are otherwise determined by the Technical Advisory Committee (TAC) and Commissions to be high priority are eligible to receive up to 25 percent of the final improvement cost in Commission cost-share, funded by the county ad valorem tax levied on all property in the watershed. The balance of the improvement cost, less any grant or other funds received, must be funded by the local government(s) participating in or benefiting from the improvement. *The Commissions' minimum share is \$50,000. There is no maximum share; the maximum is limited by the amount the Commission is willing/able to certify as a levy.*

Eligible improvements include both structural and nonstructural activities. Routine maintenance or localized improvements are not eligible for cost share. Thus, a local street flooding issue is not of watershed priority, but a local flooding issue that creates significant erosion and sedimentation impacting a downstream resource may be a watershed priority. Capital equipment that has been demonstrated to reduce loading of TMDL pollutants such as TP, TSS, or chloride, may be eligible if: 1) the equipment is new or an upgrade and not simply a replacement of existing equipment; 2) the equipment is to allow the member city to undertake a new or expanded load-reducing activity; 3) use of the equipment for the load reductions is supported by academic or governmental research; and 4) the city agrees to document for at least five years the effectiveness of the capital equipment in achieving the load reductions. The demonstrated effectiveness, or lack thereof, of a particular item of capital equipment in achieving load reductions may affect the eligibility of such equipment for funding in the future. Examples of equipment purchase that may be eligible include equipment to begin or expand pre-wetting or anti-icing, or adding or upgrading to a regenerative air street sweeper. Only the incremental cost of such an upgrade would be eligible for cost share.

The Commissions have developed a set of criteria by which proposed activities may be scored, with only those that pass screening questions advancing to a prioritization stage by the Technical Advisory

Committee (TAC). Prioritization will be based on cost effectiveness, amount of improvement achieved, and regional significance.

Activities of Watershed-Wide Benefit

The capital cost of activities addressing TMDL Load Allocation reductions and projects of watershed-side benefit may be funded 100 percent by the ad valorem tax levy. These types of activities include but are limited to:

- Lake Internal Load Reduction Actions
 - Alum treatments
 - Rough fish management
 - With Hennepin County and DNR concurrence, initial, whole-lake invasive aquatic vegetation management treatments performed for water quality, excluding those for recreation, aesthetics, or navigation
- Stream Internal Load Reduction Activities
 - Channel narrowing or creation of a low-flow channel to reduce sediment oxygen demand
 - Projects to increase DO at wetland outlets
- Non-TMDL Parameters (actions required by TMDLs not associated with a pollutant for which a numerical reduction of improvement can be specified)
 - Restoration or enhancement of in-stream habitat
 - Increases in channel roughness to enhance DO
 - Removal or bypass of barriers to connectivity
 - Streambank restoration below the top of the bank
- Other Watershed Benefiting Improvements as Recommended by the TAC

Guidelines

1. Capital improvements must be for water quality or ecological integrity improvement, and must be for improvement above and beyond what would be required to meet Commission rules or common practice. Only the cost of “upsizing” a BMP above and beyond is eligible.
2. Preexisting routine maintenance activities are not eligible.
3. The effectiveness of any proposed nonstructural improvements must be supported by literature or academic/practitioner experience and documentation.
4. The applicant must agree to document the effectiveness of any proposed nonstructural improvements and report those results to the Commissions for at least five years.
5. The standard Commission/Member Cooperative Agreement will be executed prior to BMP implementation. This Agreement will specify the type and adequacy of effectiveness reporting.



Memorandum

To: Elm Creek Watershed Management Commission

From: Ben Scharenbroich, Interim Water Resources Manager

Date: April 21st, 2020

Item: City of Plymouth Street Sweeper – Additional Information

The City of Plymouth submitted a proposal to add an Enhanced Street Sweeper to the 2020 CIP list for \$75,000 in spring 2019. The Technical Advisory Committee (TAC) and Commission discussed the addition and it was added to the Commission's CIP. At the April 8th, 2020 meeting, the Elm Creek Watershed Management Commission Technical Advisory Committee reviewed existing and new Capital Improvement Projects. Questions regarding the proposed Enhanced Street Sweeper were brought forward by member cities. Below are a couple of discussion points that should be useful during the April 23rd, 2020 TAC meeting:

- Street and parking lot sweeping is recognized by the MPCA as an approved BMP. It's effective for reducing solids (gravel, sand & trash), nutrients (phosphorus and nitrogen) and chlorides from entering water bodies throughout the city
- The regenerative air sweeper is more effective at collecting fine sediment, salt, and small debris that isn't effectively collected by standard mechanical sweepers.
- The sweeper would allow for winter sweeping, respond to salt spills and early thaw pre-collection of salt in key areas
- Increased street sweeping is listed in the Elm Creek Watershed TMDL/WRAPS as one practice to help meet water quality goals. Enhanced sweeping could also assist with future Chloride TMDLs
- Street sweeping is a cost effective BMP compared to other types of BMPs such as ponds, erosion repair & stream restorations. The City of Edina conducted a study and estimated the cost per pound of phosphorus recovered to be between \$150/lb. to \$190/lb. depending on sweeping frequency. Below are examples of projects within the Elm Creek Watershed and their proposed cost per pound TP reductions from the CIP submittal document
 - Stormwater Pond & Erosion Repair (Hickory Drive Stormwater Improvement) \$11,575 per lb. TP / year
 - Stream Restoration (Elm Creek – Reach D) \$5,560 per lb. TP / year
- Street Sweeping fits the watershed goals of:
 - Improve Total Phosphorus concentration in the impaired lakes by 10% over the 2004-2013 average by 2024
 - Maintain or improve water quality in the lakes and streams with no identified impairments
 - Foster implementation of priority TMDL and other implementation projects by sharing in their cost and proactively seeking grant funds

In addition to these points, I will be able to speak to the City of Plymouth past findings on sweeper effectiveness and the plan for utilizing the sweeper going forward.

Table 4.5. Elm Creek Third Generation Plan Capital Improvement Program																						Line	
	Levy Proj #	Description	Location	Priority	Est Proj Cost	Partners	Funding Source(s)	Estimated Commission Cost															
								2014	2015	2016	2017	2018	2019	Total Levied thru 2018	Levy Amt 2019	2020-2024	2020	2021	2022	2023	2024		
1	2014-01	Tower Drive Improvements	Medina		\$3,437,300			68,750						68,750									
2	2014-02	Elm Creek Dam at Mill Pond	Champlin		350,000			62,500						62,500									
		Special Studies																					
3		TMDL implementation special study	Watershed	H	\$225,000.00	Cities, HCEED	Operating budget		0	25,000	25,000	25,000	25,000				PLACEHOLDER, doesn't add						
4		Stream segment prioritization	Watershed	H	\$20,000.00	Cities, HCEED, TRPD	Operating budget		10,000	0	0	0	10,000			0	PLACEHOLDER, doesn't add						
		High Priority Stream Restoration Projects				Cities, TRPD	Cities, TRPD, county levy, grants																
5	2015-01	Elm Cr Reach E	Plymouth	H	\$1,086,000.00	Commission, Plymouth	County Levy - levied in 2015		250,000					250,000									
6	2016-01	CIP-2016-RO-01 Fox Cr, Creekview	Rogers	H	\$321,250.00	Commission, Rogers	County Levy - levied in 2016		0	80,312	0	0	0	80,312		0							
7	2016-02	Mississippi Point Park Riverbank Repair	Champlin	M	\$300,000.00		County Levy - levied in 2016		0	75,000	0	0	0	75,000		0							
8	2016-03	Elm Creek Dam	Champlin	H	\$7,001,220.00		County Levy - levied in 2016		0	187,500	0	0	0	187,500		0							
9		Tree Thinning and Bank Stabilization Project	Watershed	H	\$50,000.00				0		50,000	50,000	50,000				PLACEHOLDER, doesn't add						
10	2017-01	Fox Cr, Hyacinth	Rogers	M	\$450,000.00		County Levy - levied in 2017		0	0	90,000	112,500	0	0	112,500		0						
11		Fox Cr, South Pointe, Rogers MOVED TO 2021	Rogers	M	\$90,000.00				0	0	22,500	0	22,500						22,500				
12		Other High Priority Stream Project	Watershed	H	\$500,000.00				0	0	0	125,000	125,000				PLACEHOLDER						
13	2016-04 2018-01 2019-01	CIP-2016-MG-02 Rush Creek Main	Maple Grove		\$1,650,000.00		County Levy - levied in 2016, 2018			75,000	75,000	75,000	25,000	150,000	26,513			25,000					
14		CIP-2016-MG-03 Rush Creek South REMOVED 2020	Maple Grove		\$675,000.00							168,750											
15	2018-02	CIP-2017-PL-01 EC Stream Restoration Reach D	Plymouth		\$850,000.00	City, County, Comm	County Levy - levied in 2018					212,500		212,500									
		High Priority Wetland Improvements				Cities	Cities, Commission																
16		DNR #27-0437	Maple Grove	L	\$75,000.00				0	0	0	0	0			18,750	have no information on this item						
17		Stone's Throw Wetland REMOVED 2019	Corcoran	M					0	0	112,500	112,500	112,500			0							
18		Other High Priority Wetland Projects	Watershed	L	\$100,000.00				0	0	0	0	0			25,000	PLACEHOLDER						
19	2019-02	CIP-2016-MG-01 Ranchview Wetland Restoration MOVED TO 2019	Maple Grove		2,500,000.00						250,000	250,000	250,000	132,563					250,000				
		Lake TMDL Implementation Projects				Cities, lake assns.	Cities, Comm, grants, owners																
20	2017-03	Mill Pond Fishery and Habitat Restoration	Champlin	H	\$5,000,000.00		County Levy - levied in 2017		0	0	250,000	0	0	250,000		0							
21		Other Priority Lake Internal Load Projects	Watershed	M	\$100,000.00				0	0	0	0	0			25,000	PLACEHOLDER						
22	2016-05	CIP-2016-MG-04 Fish Lake Alum Treatment-Phase 1	Maple Grove	H	\$300,000.00	City, TPRD, Comm, lake assn	County Levy - levied in 2016			75,000				75,000									
23		Stonebridge	Maple Grove	M			retrofit of addl stormsewer treatment systems will not occur during st reconstruction project		0		50,000	0	0			0							
24	2017-04	Rain Garden at Independence Avenue	Champlin	L	\$300,000.00		County Levy - levied in 2017		0		75,000	0	0	75,000		0							
25		CIP-2016-CH-01 Mill Pond Rain Gardens	Champlin	M	\$400,000.00				0	0		100,000	100,000					100,000					
26		Other Priority Urban BMP Projects	Watershed	L	\$200,000.00				0	0	0	0	0			50,000	PLACEHOLDER						
		Other																					
27		Livestock Exclus, Buffer & Stabilized Access new 2020	Watershed	M	\$50,000.00	Cities, owners, U Extension, NRCS	Cities, owners, Comm, NRCS		0	0	0	50,000	0				50,000						
28	2019-03	Agricultural BMPs Cost Share new 2020	Watershed	H	\$50,000.00	Cities, owners, U Extension, NRCS	Cities, owners, Comm, NRCS		0		50,000	50,000	50,000	20,000		50,000							
29		EIP-2016-RO-04-CIP-2017-RO-1 Ag-BMPs-Cowley-Sylvan Connections BMPs	Rogers		\$300,000.00	City, Comm	City, Comm, BWSR					75,000											
30		CIP-2016-RO-03 Downtown Pond Exp & Reuse	Rogers		\$406,000.00							101,500							101,500				
31	2019-04	Hickory Drive Stormwater Improvement COST ADJUSTED 2019	Medina		\$307,920.00	City, Comm, Grants							56250	76,823	81,471								
32		SE Corcoran Wetland Restoration	Corcoran		\$400,000.00	City, Comm, 319 Grant							100,000			100,000							
33	2019-05	Downtown Regional Stormwater Pond REQUIRES FEASIBILITY STUDY	Corcoran		\$105,910.00	City, Comm							10,000	26,477	28,079								
34	2018-03	Elm Creek Stream Restoration Phase III	Champlin	H	\$400,000.00		County Levy - levied in 2018					100,000		100,000									
35	2018-04	Downs Road Trail Raingarden	Champlin	H	\$300,000.00		County Levy - levied in 2018					75,000		75,000									
36	2019-06	Elm Creek Stream Restoration Phase IV	Champlin	H	\$600,000.00								150,000		159,075								
37		Lowell Pond Raingarden	Champlin	H	\$400,000.00								100,000						100,000				
38		Rush Creek Headwaters SWA BMP Implementation	Corcoran/ Rogers	H	\$200,000.00	cities, county, TRPD	cities, county, TRPD, owners									50,000							
39		Hydrologic & Hydraulic Modeling	Watershed	L	\$25,000.00	HCEE	Commission		0	0	0	25,000	0			0							
40		Brocton Lane Water Quality improvements NEW 2019	Plymouth		\$150,000.00								0					37,500					
41		Mill Pond Easement NEW, REMOVED 2019	Champlin		\$64,000.00								16,000										
42		The Meadows Playfield NEW 2019	Plymouth		\$5,300,000.00														250,000				
43		Enhanced Street Sweeper NEW 2019	Plymouth		\$350,000.00											75,000							
44		Fourth Generation Plan	Commission	L	\$70,000.00		Commission		0	0	0	0	0						17,500				
45		Elm Road Area Stream Restoration NEW 2020	Maple Grove		\$500,000.00													125,000					
46		Corcoran City Hall Parking Lot NEW 2020, RESCHEDULED FOR 2021	Corcoran		\$40,000.00													10,000					
47		Elm Creek Stream Restoration Ph IV Hayden Lake Outfall																152,725					
48																							
49																							
50																							
51		TOTAL STUDIES			245,000		COMM SHARE TOTAL STUDIES		10,000	25,000	25,000	25,000	35,000			0							
52		TOTAL CIPS			23,504,600		COMM SHARE TOTAL CIPS	131,250	250,000	492,812	437,500	1,107,750	\$ 278,300				175,000	450,225	741,500	-	-		
53		LEVY AMOUNT					LEVY AMOUNT	131,250	\$ 250,000	\$ 492,812	\$ 437,500	462,500		\$ 1,774,062	\$ 295,138	\$ 193,750							

EXHIBIT A

LINE 27

Elm Creek Watershed Management Commission

Capital Improvement Project Submittal

*(This submittal will be rated on its completeness and adherence to the goals of the Commission.
A second page may be used to provide complete responses.)*

City	Hennepin County	
Contact Name	Kirsten Barta	
Telephone	612-543-3373	
Email	Kirsten.barta@hennepin.us	
Address	701 4 th Ave S, Suite 700, Minneapolis, MN 55415	
Project Name	Livestock Exclusion, Buffers, Stabilizations	
Project Location	Rush Creek Subwatershed	
	1. Is project in Member's CIP? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no	Proposed CIP Year = 2020
	2. Has a feasibility study or an engineering report (circle one) been done for this project? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no	
		Amount
	Total Estimated Project Cost	\$ 250,000
	Estimated Commission Share (up to 25%, not to exceed \$250,000)	\$ 50,000
	Other Funding Sources (name them) NRCS, landowner funds, BWSR CWF grant, Hennepin Co	\$ 200,000
		\$
	3. What is the scope of the project? There are several potential projects these funds will be split up between along the N Fork of Rush Creek, a feedlot moved out of the floodplain, some tributary hydrologic restorations, wetlands restoration, and other ag practices	
	4. What is the purpose of the project? What water resource(s) will be impacted by the project? The purpose is to reduce sediment, bacteria, nutrient, and other pollutant loads into Rush Creek	
	5. What is the anticipated improvement that would result from the project? (Include size of area treated and projected nutrient reduction.) Depending on the projects installed, there could be very large benefits from removing an active feedlot from the stream and reducing a large sediment load to Jubert Lake	
	6. How does the project contribute to achieving the goals and programs of the Commission? These projects will help meet Elm Creek TMDL goals, Rush Creek is specifically called out as impaired in the TMDL as well as the IBI stressor ID report MPCA wrote.	
0/10	7. Does the project result from a regulatory mandate? (<input type="checkbox"/>) yes (<input checked="" type="checkbox"/>) no How?	
0/10/20	8. Does the project address one or more TMDL requirements? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no Which? TSS, Nutrients, bacteria	
0/10/20	9. Does the project have an educational component? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no Describe. Landowners who contact us are educated on a variety of conservation measures and the County hosts education field days at the site of large projects that may be of interest to other landowners.	
0/10	10. Do all the LGUs responsible for sharing in the cost of the project agree to go forward with this project? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no Identify the LGUs. BWSR has already given the funds to Hennepin	
10/20	11. Is the project in all the LGUs' CIPs? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no	
1-34	(For TAC use) 12. Does project improve water quality? (0-10) 13. Prevent or correct erosion? (0-10) 14. Prevent flooding? (0-5)	15. Promote groundwater recharge? (0-3) 16. Protect and enhance fish and wildlife habitat? (0-3) 17. Improve or create water recreation facilities? (0-3)
TOTAL (poss 114)		Adopted April 11, 2012 Revised May 2019

EXHIBIT A

Elm Creek Watershed Management Commission
Capital Improvement Project Submittal

*(This submittal will be rated on its completeness and adherence to the goals of the Commission.
A second page may be used to provide complete responses.)*

City	Hennepin County	
Contact Name	Kirsten Barta	
Telephone	612-543-3373	
Email	Kirsten.barta@hennepin.us	
Address	701 4 th Ave S, Suite 700, Minneapolis, MN 55415	
Project Name	Ag BMPs Cost Share	
Project Location		
	1. Is project in Member's CIP? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no	Proposed CIP Year = 2020
	2. Has a feasibility study or an engineering report (circle one) been done for this project? (<input type="checkbox"/>) yes (<input type="checkbox"/>) no	
		Amount
	Total Estimated Project Cost	\$ 500,000
	Estimated Commission Share (up to 25%, not to exceed \$250,000)	\$ 50,000
	Other Funding Sources (name them) – BWSR CWF grant	\$ 142,000
	Hennepin County + state cost share funds and landowner match	\$ 308,000
	3. What is the scope of the project? Series of projects in the Rush Creek subwatershed on private lands – generally ag practices like grassed waterways, drainage management, manure storage, etc	
	4. What is the purpose of the project? What water resource(s) will be impacted by the project? Proposed projects will reduce sediment, nutrient, and bacteria loads to the N Fork of Rush Creek. Projects on the S Fork will also be considered	
	5. What is the anticipated improvement that would result from the project? (Include size of area treated and projected nutrient reduction.) Varies greatly depending on the projects implemented	
	6. How does the project contribute to achieving the goals and programs of the Commission? Reduces pollutant loads in the largest tributary to Elm Creek	
0/10	7. Does the project result from a regulatory mandate? (<input type="checkbox"/>) yes (<input checked="" type="checkbox"/>) no How?	
0/10/20	8. Does the project address one or more TMDL requirements? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no Which?	
0/10/20	9. Does the project have an educational component? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no Describe. Many landowners contacted for the project are receiving advising even if they are not getting a project installed	
0/10	10. Do all the LGUs responsible for sharing in the cost of the project agree to go forward with this project? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no Identify the LGUs. Hennepin County (BWSR already gave funds)	
10/20	11. Is the project in all the LGUs' CIPs? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no	
1-34	(For TAC use) 12. Does project improve water quality? (0-10) 13. Prevent or correct erosion? (0-10) 14. Prevent flooding? (0-5)	15. Promote groundwater recharge? (0-3) 16. Protect and enhance fish and wildlife habitat? (0-3) 17. Improve or create water recreation facilities? (0-3)
TOTAL (poss 114)		Adopted April 11, 2012 Revised May 2019

EXHIBIT A

**Elm Creek Watershed Management Commission
Capital Improvement Project Submittal**

*(This submittal will be rated on its completeness and adherence to the goals of the Commission.
A second page may be used to provide complete responses.)*

City	Plymouth	
Contact Name	Ben Scharenbroich	
Telephone	763-509-5527	
Email	bscharenbroich@plymouthmn.gov	
Address	3400 Plymouth Blvd, Plymouth, MN 55447	
Project Name	Enhanced Street Sweeper	
	1. Is project in Member's CIP? (<input checked="" type="checkbox"/>) yes () no	Proposed CIP Year = 2020
	2. Has a feasibility study or an engineering report (circle one) been done for this project? () yes (<input checked="" type="checkbox"/>) no	
		Amount
	Total Estimated Project Cost	\$350,000
	Estimated Commission Share (up to 25%, not to exceed \$250,000)	\$75,000
	Other Funding Sources (name them) Single Creek Watershed Management Commission, Bassett Creek Watershed Management Commission & Minnehaha Creek Watershed District	\$225,000
	City of Plymouth	\$50,000
	3. What is the scope of the project? The City is looking to purchase a high-efficiency street sweeper to improve street sweeping efficiency and reduce pollutant loading to Elm Creek.	
	4. What is the purpose of the project? What water resource(s) will be impacted by the project? Street sweeping is one of the most cost effective best management practices for improving water quality and reducing pollutant loading to Elm Creek and Rice Lake. Plymouth is bringing our street sweeping program in-house in 2019 and is committed to expanding our street sweeping program to address water quality concerns.	
	5. What is the anticipated improvement that would result from the project? (Include size of area treated and projected nutrient reduction.) There are 44 centerline (88 curb miles) in the City of Plymouth within the Elm Creek Watershed. As such, the following are the estimated pollutant removals from this practice based on the Minnesota Stormwater Manual. Phosphorus = 65 pounds per sweep or 260 pounds per year Nitrogen = 435 pounds per sweep or 1,740 pounds per year Chloride = 11 pounds per year or 44 pounds per year. The City will also analyze its sweeping frequencies as recommended by the Minnesota Stormwater Manual and make adjustments as necessary	
	6. How does the project contribute to achieving the goals and programs of the Commission? The goal of this purchase is to help reduce pollutant loading to Elm Creek and eventually Rice Lake to work towards TMDL goals. A secondary goal would to expand public education regarding street sweeping.	
0/10	7. Does the project result from a regulatory mandate? (<input checked="" type="checkbox"/>) yes () no How? TMDL for Elm Creek and Rice Lake	
0/10/20	8. Does the project address one or more TMDL requirements? (<input checked="" type="checkbox"/>) yes () no Which? Rice Lake – Nutrient/Eutrophication	
0/10/20	9. Does the project have an educational component? (<input checked="" type="checkbox"/>) yes () no Describe. The City is committed to educating the public on the benefits of street sweeping for water quality	

	through our website, newsletters and videos. Plymouth would also include graphics on the street sweeper to promote the benefits of street sweeping and can include the Elm Creek Watershed Management Commissions logo on the sweeper.	
0/10	10. Do all the LGUs responsible for sharing in the cost of the project agree to go forward with this project? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no Identify the LGUs.	
10/20	11. Is the project in all the LGUs' CIPs? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no	
1-34	<i>(For TAC use)</i> 12. Does project improve water quality? (0-10) 13. Prevent or correct erosion? (0-10) 14. Prevent flooding? (0-5)	15. Promote groundwater recharge? (0-3) 16. Protect and enhance fish and wildlife habitat? (0-3) 17. Improve or create water recreation facilities? (0-3)
TOTAL (poss 114)		Adopted April 11, 2012

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2019 Elm Creek Project Review Activity

	A	B	C	D	E	I	J	K	L	M	N	O	P	Q	R	U
1		Project Name	City	Project Fee	WCA Fee	Rule D stormwater	Rule E erosion	Rule F floodplain	Rule G wetland	Rule H bridge/culvert	Rule I buffers	Weiss Summary	Barr Invoices 2019 Activity	2019 Hennepin County Invoices Technical	WCA	Total Project Review Expense (O+P+Q)
2	2018-033	Cloquet Island Estates	Dayton	3,883.00		x	x				x	7,014.00	3,673.50			
3	2018-053	Elm Creek Stream Restoration Project (Champlin)	Champlin	550.00			x	x	x							
4	2019-001	Fernbrook View Apartments	MG	542.50		x	x				x					
5	2019-002	Parkside Villas	Champlin	747.00		x	x									
6	2019-003	Rogers High School Tennis Court	Rogers	777.50		x	x									
7	2019-004	Rogers Middle School Chiller Units	Rogers	372.50			x									
8	2019-005	I-94 UBOL (Internal Review)	Rogers			x	x	x								
9	2019-006	Hickory Drive Street & Utility Improvement	Medina	400.00		x	x									
10	2019-007	Westin Ridge	Plymouth	2,570.00		x	x				x	2,452.00				
11	2019-008	Residences on Elm Creek	Medina	550.00				x								
12	2019-009	Beacon Ridge	Plymouth	780.00		x	x					1,464.00	15,116.50			
13	2019-010	Hindu Temple Solar Array Installation	MG	200.00				x								
14	2019-011	Ravinia 11th Addition	Corcoran	329.70		x	x		x		x					
15	2019-012	Brockton Lane Reconstruction Project	Plymouth	50.00		x	x									
16	2019-013	Boston Scientific Parking Expansion	MG	327.50		x	x									
17	2019-014	Bellwether 2 nd Addition (Encore 2018-032)	Corcoran			x	x				x					
18	2019-015	Timbers Edge	Plymouth	948.00		x						1,336.50				
19	2019-016	Rogers Retail Development	Rogers	400.00		x	x									
20	2019-017	French Lake Industrial Center - Liberty Trust	Dayton	2,875.00		x	x					2,740.50				
21	2019-018	Peony Lane N Trailhead	Plymouth	1,575.00		x	x	x								
22	2019-019	Primrose School of Rogers	Rogers	625.00		x	x					1,579.50				
23	2019-020	CSAH 50 and CSAH 10 Culvert Replacement	Corcoran	50.00	General perm	General permit										
24	2019-021	Brenly Meadows	Rogers	394.50		x	x									
25	2019-022	Comlink Midwest (CML Holdings LLC)	Corcoran	4,185.00		x	x				x					
26	2019-023	99th Avenue Apartments	MG	2,155.00		x	x				x					
27	2019-024	Boston Scientific Weaver Lake Rd Bldg 2 East Addition	MG	575.00		x	x	x			x					
28	2019-025	Dayton Parkway Interchange	Dayton	3,500.00		x	x	x	x		x	4,525.00				
29	2019-026	Interstate Power Systems	Rogers	2,550.00		x	x		x		x					
30	2019-027	Havenwood of Maple Grove	MG	1,495.00		x	x									
32	2019-028	Howell Meadows	MG	650.00		x	x				x					
33	2019-029	South Prominence	MG	1,150.00												
34																
35														23,273.68	1,715.66	
36														18,028.60	850.20	
42	TOTAL 2019	as of 11/01/2019		31,605.40	-									17,668.90	817.50	
43				(550.00)												
44				31,055.40								21,111.50	18,790.00	58,971.18	3,383.36	81,144.54
45																
46									AVERAGE COST							
47									Barr - two projects -				9,395.00			
48									Henn Co - 28 projects					\$2,226.95		2,704.82

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
1	Project Reviews - 2020 invoicing																						
2										Barr	Subconsult	Expenses	\$ Total	Subconsultant									
3	27-Mar																		March	Feb	Jan	\$ Total	
4		Job 100 - technical services, TAC and Reg meeting attendance, pre-project review,													2019-001	Fernbrook View Apts					100	100	
5			Ravinia wetland monitoring, General admin tasks (invoicing, project set-up)								3,891.00	1,650.00	35.65	5,576.65	2019-028	Howell Meadows				50		50	
6															2019-031	Hassan Sand & Gravel				850	100	950	
7		Job 200 - other assistance - MTDs - review technical submittal, task group								1,127.00		10.35	1,137.35	2019-032	OSI HQ Addition				100	1,000	1,100		
8			participation (share w/Bassett Creek)																				
9															2020-001	Markets at Rush Creek Outlot L					250	250	
10		Job 300 - Project reviews													2020-002	Project 100			225	2,125	550	2,900	
11			2019-026	Interstate Power systems					}						2020-003	Palisades at Nottingham			150	400	500	1,050	
12			2020-002	Project 100					}						2020-004	Elm Road Area			200	1,350		1,550	
13			2020-003	Palisades at Nottingham					}						2020-005	Territorial Development, Rogers			175			175	
14			2020-004	Elm Road Area					}	2,852.50	3,135.00		5,987.50	2020-006	Zachary Villas			675				675	
15			2020-005	Territorial Development, Rogers					}						2020-007	Pineview Oakview Lane			900			900	
16			2020-006	Zachary Villas					}						2020-008	lone Garden			975			975	
17			2020-007	Pineview Oakview Lane					}						2020-009	Stetler Barn			100			100	
18							Subtotal			7,870.50	4,785.00	46.00	12,701.50				Subtotal		3,400	4,875	2,500	10,775	
19	28-Feb	Job 100	Ravinia 2019 Monitoring Report							1,675.50													
20																							
21									Subtotal			1,675.50		1,675.50			Pre-project Review			600	50		650
22																General			500	825	825	2,150	
23	28-Feb	Job 100 - technical services, TAC and Reg meeting attendance, pre-project review,														Meetings			475	850	200	1,525	
24			General admin tasks (invoicing, project set-up)							6,994.50	3,272.50		10,267.00		MTDs							-	
25															Wetland issues				50	250	250	550	
26		Job 200								300.00			300.00				Subtotal		1,625	1,975	1,275	4,875	
27																							
28		Job 300 - Project reviews																					
29			2018-033	Cloquet Island Estates					}														
30			2019-026	Interstate Power systems					}	2,166.50	6,187.50												
31			2020-003	Palisades at Nottingham					}				-										
32			2020-004	Elm Road Area					}														
33								Subtotal			9,461.00	9,460.00	-	10,567.00									
34																							
35								TOTAL		19,007.00	14,245.00	46.00	24,944.00					TOTAL	5,025	6,850	3,775	15,650	
36																							
37																							
38																							
39																							
40																							
41																							
42																							
43																							
44																							

Elm Creek Watershed Management Commission

Request for Plan Review and Approval

Administrative Office

3235 Fernbrook Lane
 Plymouth, MN 55447
 Ph: 763-553-1144 | Fax: 763-553-9326
 Email: judie@jass.biz

for Commission use only

Project No. _____

Date Received _____

Fee Received _____

Date: _____

Fee Submitted: \$ _____

*Please **Print** Clearly***Applicant:** _____

Address: _____

City: _____ Zip Code: _____

Phone: () _____ Fax: () _____ Email: _____

Agent: _____

Address: _____

City: _____ Zip Code: _____

Phone: () _____ Fax: () _____ Email: _____

☐
☐
☐
☐

Residential Development

Commercial/Industrial Development

Issuance of General Permit

Other (explain) _____

☐
☐
☐
☐

Floodplain Alteration

Drainage Alteration

Road Construction

Pond Excavation

Project Name: _____

Project Location - City or Town: _____ PID#: _____

Total Acres: _____ Acres Disturbed: _____

Acres Impervious Before Development: _____

Acres Impervious After Development (incl. gravel roads and parking areas): _____

For Residential Developments: Number of Lots: _____

Anticipated Project Start Date: _____

Remarks: _____

Applicant's Signature:Print Name: _____ **x** _____

In order for a project to be considered by the Commission, a complete application packet must be received in the Commission's administrative office at least TEN BUSINESS DAYS prior to the Commission's next regular meeting. Action by the Commission will be predicated on factors such as completeness of the application documents and complexity of the project, etc. The Commission normally meets on the second Wednesday of the month.

Submit this form to the City along with one paper and one electronic copy of the required plans and the appropriate fee (check made payable to "Elm Creek Watershed Management Commission").

The City will forward these documents and the fee payment to the Commission. The Commission will transmit a letter to the applicant following approval.

Submittal requirements, this form and the fee schedule can be downloaded from:

<http://www.elmcreekwatershed.org/project-reviews-overview.html>

AUTHORIZATION - to be prepared by City

Requested by City of _____

Signature _____

Name _____

Title _____

Phone _____

Date _____

Site Area =
 Buildable Area =
 Disturbed Area =
 Density =

Elm Creek Watershed Management Commission
Project Review Fee Schedule and Worksheet
 Effective July 28, 2015

Project Name **item 04b-2**

I. No applications will be reviewed until the Commission receives a completed application form, all appropriate materials, and fees.			Amount Due
II. Application Fee			\$ 50.00
III. Project Reviews ¹			
A. New Development - Area is the Site Area			
1	Residential		
a.	High density ² - more than 40% impervious area ³		
	0 to 20 acres = Area x \$100		
	21 to 100 acres = \$2,000 + (Area - 20) x \$75		
	101 + acres = \$8,000 + (Area - 100) x \$20		
	maximum fee = \$10,000 + application fee		
b.	Low density - less than 40% impervious area		
	0 to 100 acres = Area x \$50		
	101 to 150 acres = \$5,000 + (Area - 100) x \$20		
	maximum fee = \$6,000 + application fee		
2	Commercial / industrial / institutional / governmental agency development project		
	0 to 40 acres = Area x \$250		
	41 + acres = \$10,000 + (Area - 40) x \$75		
	maximum fee = \$12,250 + application fee		
B. Re-development			
1	For Re-development use the "New Development" rates above but use <i>Disturbed Area</i> (in acres) instead of <i>Site Area</i>		
	Note: If more than 50% of the site is disturbed for a Re-development project, use the <i>New Development</i> fee formula with <i>Site Area</i>		
C. Development / Re-development with mapped floodplains on site			
1	No impact or impacts ≤ 100 cubic yards.		\$ 100
2	Impacts ≥ 100 cubic yards.		\$ 500
D. Linear Projects ⁴			
1	1.0 - 2.0 acres new impervious surface = \$500		
2	Over 2.00 acres new impervious surface = \$500 + (new impervious area - 2) x \$250		
	maximum fee = \$5,000 + application fee		
E. Drainage alterations - Any culvert installation or replacement, bridge construction, stream cross-section alteration, or activity requiring a DNR Waters Permit			
1	on Elm, Rush, North Fork Rush, or Diamond Creeks		\$ 500
2	on all other tributaries within the watershed		\$ 100
F. Water appropriation permits (two years)			
			\$ 50
IV Wetland Project Fees			
G. Wetland fees apply in the communities (Champlin and Corcoran) where the Commission is the LGU for the Wetland Conservation Act (WCA) and are in addition to the project fees.			
1	Exemption certificates		\$ 100
2	Determinations		\$ 100
3	Delineation review		\$ 250
4	Pond Excavations		\$ 100
5	Wetland replacement plans <10,000 SF impact on single basins or <1/4 acre impact for private driveways		\$ 400
6	All other replacement plans		\$ 2,500
7	Replacement plan in conjunction with wetland banking		\$ 3,500
a.	All other wetland banking applications		\$ 3,500
Additional wetland replacement plan and banking application escrows and sureties are determined on a site-specific basis. (See page 2.)			
V. Failure to make application and receive approval prior to beginning work results in doubling of fees			
			Total fees ¹
1	The following projects require review: Any land disturbing activity or the development or redevelopment of land as listed in Rule D. 2. (Appendix O).		Double Fee if V. applies ²
			Total due (Line 1 or 2)
2	Density = number of units per buildable area prior to development. Buildable area = Site Area excluding wetlands and floodplains. Rights-of-way are included in buildable area. Acreage is based on total Site Area unless noted.		
3	Impervious area includes any compacted gravel surface such as road shoulders, parking lots and storage areas.		
4	Sidewalks and trails that do not exceed twelve feet in width, are not constructed with other improvements, and have a minimum of five feet of vegetated buffer on both sides are exempt from Stormwater Management requirements (RULE D), but has to comply with Erosion and Sediment Control requirements (RULE E).		

Elm Creek Watershed Management Commission Project Review Fee Schedule and Worksheet

The following projects require review: Any land-disturbing activity or the development or redevelopment of land as listed in Rule D.2. of Appendix O of the Commission's Watershed Management Plan. **The review period will not begin until the Commission has received a completed application form bearing city authorization to proceed, all appropriate materials, and fees.**

								Amount Due
I.	Application Fee							\$ 50.00
				Note: When calculating acreage, round up to nearest whole no. Example, 31.35 acres = 32 acres.				
II.	Project Reviews							
	A.	New Development - Area is the Site Area						
		1	Residential					
			0 to 20 acres = Area x \$100					
			21 to 100 acres = \$2,000 + (Area minus 20 acres) x \$75					
			101 + acres = \$8,000 + (Area minus 100 acres) x \$20					
			maximum fee = \$10,000 + application fee					
		2	Commercial/industrial/institutional/governmental agency development project					
			0 to 40 acres = Area x \$250					
			41 + acres = \$10,000 + (Area minus 40 acres) x \$75					
			maximum fee = \$12,250 + application fee					
	B.	Re-Development						
		1	For Re-Development use the " New Development " rates above but use Disturbed Area (in acres) instead of Site Area					
			Note : If more than 50% of the site is disturbed for a Re-Development project,					
			use the New Development fee formula with Site Area					
	C.	Development / Re-development with mapped floodplains on site						
		1	No impact or impacts ≤ 100 cubic yards.		\$	100		
		2	Impacts ≥ 100 cubic yards.		\$	500		
	D.	Linear Projects Sidewalks and trails that do not exceed twelve feet in width, are not constructed with other improvements, and have a minimum of five feet of vegetated buffer on both sides are exempt from Stormwater Management requirements (Rule D), but have to comply with Erosion and Sediment Control requirements (Rule E). Impervious area includes any compacted gravel surface such as road shoulders, parking lots and storage areas.						
		1	1.0 - 2.0 acres new impervious surface = \$500					
		2	Over 2.0 acres new impervious surface = \$500 + (new impervious area minus 2.0 acres) x \$250					
			maximum fee = \$5,000 + application fee					
	E.	Drainage alterations - Any culvert installation or replacement, bridge construction, stream cross-section alteration, or activity requiring a DNR Waters Permit						
		1	on Elm, Rush, North Fork Rush, or Diamond Creeks		\$	500		
		2	on all other tributaries within the watershed		\$	100		
	F.	Water appropriation permit (two years)			\$	50		
III.	Failure to make application and receive approval prior to beginning work results in doubling of fees							
					Total fees		1	
					Double Fee if III. applies		1	
					Total due (Line 1 or 2)			

(for office use only)

Site Area = new development area. (Acreage is based on Site Area)

Buildable Area = site area excluding wetlands and floodplains. Rights-of-way are included in buildable area. Acreage is based on total Site Area unless noted

Disturbed Area = any change in existing land surface.

Density = number of units per buildable area prior to development.

**Date Application Received
by Commission**

Project No.

Fee Received

Elm Creek Watershed Management Commission - Proposed 2021 Operating Budget

	A	B	C	D	AT	AV	AW	AX	AY	AZ
3					2018 Budget	2018 Audit	2019 Budget	2019 pre-Audit	2020 Budget	Proposed 2021
4	GENERAL OPERATING BUDGET									
5	Operating Expenses									
16	Project Reviews									
17			Technical - HCEE		95,000	92,477	97,400	70,473	0	
18			Technical - HCEE - Floodplain modeling 2018=A/R		46,386		46,386		39,360	
19			Technical Support - Consultant		12,000	37,553	15,000	20,389	185,000	
20			Admin Support		14,000	13,543	15,000	8,542	15,000	
21				Subtotal	167,386	143,573	173,786	99,404	239,360	
22	Wetland Conservation Act									
23			WCA Expense - HCEE		17,750	15,886	18,200	3,710	3,000	
24			WCA Expense - Legal		500	683	500	31	500	
25			WCA Expense - Admin		1,500	3,388	2,000	424	1,000	
26				Subtotal	19,750	19,957	20,700	4,165	4,500	
83										
84	Revenue									
88			Project Review Fees		80,000	73,305	80,000	45,874	80,000	
92			WCA Fees- Forfeited/Reimbursed Sureties, Reimbursement from LGUs		0	2,733	4,000	655		
131				Subtotal	80,000	76,038	84,000	46,529	80,000	
132										
133										
134										
135										
136										
137										
138										