

elm creek Watershed Management Commission

ADMINISTRATIVE OFFICE
3235 Fernbrook Lane
Plymouth, MN 55447
PH: 763.553.1144
email: judie@jass.biz
www.elmcreekwatershed.org

August 4, 2021

Representatives
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 Representatives:

A regular meeting of the Elm Creek Watershed Management Commission will be held on **Wednesday, August 11, at 11:30 a.m.** **This will be a virtual meeting.**

To join the 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, dial into one of these numbers:

+1 929 205 6099 US (New York)	+1 312 626 6799 US (Chicago)
+1 669 900 6833 US (San Jose)	+1 346 248 7799 US (Houston)
+1 253 215 8782 US	+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 or your Alternate will be attending the regular meeting.

Thank you.



Judie A. Anderson
Administrator
JAA:tim

Encls: Meeting Packet

cc: Alternates	Joe Waln	James Kujawa	Ross Mullen	DNR
TAC Members	Kris Guentzel	Brian Vlach	Ed Matthiesen	BWSR
City Clerks	Kevin Ellis	Met Council	Diane Spector	MPCA
Official Newspaper				

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Until further notice, all meetings will be held online to reduce the spread of COVID-19. To join this 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. The passcode is water.** If your computer is not equipped with audio capability, dial into one of these numbers:

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AGENDA

Regular Meeting – August 11, 2021

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

1. Call Regular Meeting to Order.
 - a. Approve Agenda.*
2. Consent Agenda.
 - a. Minutes last Meeting.*
 - b. Treasurer's Report and Claims.*
 - 1) 2021 In Review.*
 - 2) Balance Sheet.*
 - 3) Wenck/Stantec Technical Services.*
3. Open Forum.
4. Action Items.
 - a. Project Reviews. *See item 10 below.*
 - b. Approve Policy on Funding Internal Load Reduction Projects.*
 - c. Approve Inclusion of Cost-Share Projects on CIP.*
 - 1) Approve Partnership Cost-Share Program Guidelines on Municipal Property.*
 - 2) Approve Partnership Cost-Share Program Guidelines on Private Property.*
 - d. Approve Project Review Final Approval Transmittal Letter.*
5. Old Business.
6. New Business.
 - a. PRAP report – rescheduled to September.
 - b. Return to in-person meetings.
 - 1) Memo.*
 - 2) Statement.*
 - c. Call for public hearing.*

*in meeting packet

**available at meeting or on website

Elm Creek Watershed Management Commission

August 11, 2021 Regular Meeting Agenda

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7. Communications.

- a. August Commission Staff Report.*
 - 1) Floodplain modeling update.*
- b. Hennepin County August Staff Report.*
 - 1) Buffer inspections.*
- c. Plymouth Seeks Input on MS4 General Permit.*

8. Education.

- a. WMWA – update.
- b. Adopt Updated WMWA Education and Outreach Plan.*
- c. WMWA – next meeting is scheduled for 8:30 a.m., September 14, 2021, Plymouth City Hall.. This will be an in-person meeting.

9. Grant Opportunities and Updates.**10. Project Reviews.**

Item No.	A	E	I RPF	AR	Project No.	Project Name
			RP D			
					W Denotes wetland project	
ah.				AR	2014-015	Rogers Drive Extension, Rogers.
ai.				AR	2015-030	Kiddiegarten Child Care Center, Maple Grove.
aj.				AR	2016-005W	Ravinia Wetland Bank Plan, Corcoran.
ak.				AR	2017-014	Laurel Creek, Rogers.
al.				AR	2017-029	Brayburn Trails, Dayton.
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am.				AR	2018-046	Graco, Rogers.
an.				AR	2018-048	Faithbrook Church Phase 2, Dayton.
ao.				AR	2019-002	Parkside Villas, Champlin.
ap.				AR	2019-021	Brenly Meadows, Rogers.
aq.				AR	2019-026	Interstate Power Systems, Rogers.
ar.				AR	2019-027	Havenwood at Maple Grove.
as.				AR	2019-032	OSI Expansion, Medina.
at.				AR	2020-001	Outlot L, Markets at Rush Creek, Maple Grove.
au.				AR	2020-008	Ione Gardens, Dayton.
av.				AR	2020-009	Stetler Barn, Medina.
aw.				AR	2020-017	Meadow View Townhomes, Medina.
ax.				AR	2020-023	Ziegler Dayton Site Upgrades, Dayton.
ay.				AR	2020-025	Paulsen Farms, Corcoran.
az.				AR	2020-027	Kariniemi Addition, Corcoran.
ba.				AR	2020-032	Enclave Rogers - Commerce Boulevard, Rogers.
bb.				AR	2020-033	Weston Woods, Medina.
bc.				AR	2020-036	Balsam Pointe, Dayton.
bd.				AR	2021-007	Birchwood 2nd Addition, Rogers
c.					2021-009	Palisades at Nottingham 3rd Addition, Maple Grove.
d.					2021-010	Gleason Field, Maple Grove.
e.					2021-012	The Oaks at Bauer Farms, Champlin.

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f.					2021-013	Rush Creek Reserve, Corcoran.
g.					2021-014	Elm Creek Stream Restoration Phase IV, Champlin.
h.					2021-015	66th Avenue/Gleason Parkway, Corcoran.
i.					2021-016	Territorial Lofts, Rogers.
j.					2021-017	The Park Group Building, Rogers.
k.					2021-019	Kwik Trip Store 1157, Dayton.
l.				AR	2021-020	Crew Carwash, Maple Grove.
m.	E	A			2021-021	Territorial Triangle, Dayton.
n.	E	A			2021-022	ISD 728 Rogers High School Trail & Batting Cage Improvements
o.					2021-023	Maple Grove Medial Office Building (MOB).
p.	E	A			2021-024	River Walk, Dayton update not included in Staff Report
q.					2021-025	Hackamore Road Reconstruction, Medina/Corcoran.
r.					2021-026	Prairie Creek Subdivision, Medina.

A = Action item E = Enclosure provided I = Informational update will be provided at meeting RPFI - removed pending further information
R = Will be removed RP= Information will be provided in revised meeting packet..... D = Project is denied AR awaiting recordation

11. Other Business.

Z:\Elm Creek\Meetings\Meetings 2021\08 Regular Meeting Agenda.docx

12. Adjournment.

*in meeting packet

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Regular Meeting Minutes July 14, 2021

I. A virtual meeting of the Elm Creek Watershed Management Commission was called to order at 11:31 a.m., Wednesday, July 14, 2021, by Chair Doug Baines.

Commissioners present: Bill Walraven, Champlin; Ken Guenther, Corcoran; Doug Baines, Dayton; Joe Trainor, Maple Grove; Elizabeth Weir, Medina; Catherine Cesnik, Plymouth; and Kevin Jullie, Rogers.

Technical Advisory Committee members present: Kevin Mattson, Corcoran; Nico Cantarero, Wenck/Stantec, Dayton; Derek Asche, Maple Grove; Ben Scharenbroich, Plymouth; and Andrew Simmons, Rogers. *Not represented:* Champlin and Medina.

Also present: Terry Sharp, Medina; Ross Mullen, Ed Matthiesen, and Diane Spector, Wenck/Stantec; James Kujawa, Surface Water Solutions; Rebecca Carlson, Resilience Resources; Brian Vlach, Three Rivers Park District (TRPD); Kris Guentzel and Kevin Ellis, Hennepin County Environment and Energy (HCEE); and Judie Anderson and Amy Juntunen, JASS;

A. Motion by Walraven, second by Jullie to approve the **revised agenda**. * *Motion carried unanimously.*

[Weir arrived 11:33 a.m.]

B. Motion by Walraven, second by Weir to approve the **Minutes*** of the June 9, 2021, regular and public meetings. *Motion carried unanimously.*

C. Motion by Walraven, second by Guenther to approve the July **Treasurer's Report and Claims*** totaling \$40,211.13 plus an additional claim* from Wenck/Stantec in the amount of \$2,166.75. *Motion carried unanimously.*

Included with the Treasurer's Report was a **Project Billing Detail*** from Wenck/Stantec showing activity through June 28, 2021.

II. **Open Forum.**

III. **Action Items.**

A. **Project Reviews.**

1. **2021-016 Territorial Lofts, Rogers.*** This is a 5.39-acre site on Territorial Road, adjacent to the Laurel Creek development. The project would construct a 75-unit apartment building, underground parking, a detached garage, maintenance facilities, and access road, creating 2.397 acres of total impervious (1.86 acres of which is net new impervious) and disturbing 5.2 acres. The existing site is two single-family residential homes. The site proposes to use stormwater reuse with an irrigation system to meet abstraction requirements, due to low infiltration capacity soils. The project is being reviewed for Rules D, E, G, and I. Staff recommends approval contingent upon receipt of any outstanding project review fees

RULE D - STORMWATER MANAGEMENT
 RULE E - EROSION AND SEDIMENT CONTROL
 RULE F - FLOODPLAIN ALTERATION

RULE G - WETLAND ALTERATION
 RULE H - BRIDGE AND CULVERT CROSSINGS
 RULE I - BUFFERS

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**included in meeting packet*

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Regular Meeting Minutes – July 14, 2021

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and a stormwater maintenance agreement acceptable to the City and the Commission within 90 days after the plat is recorded. The applicant is submitting the project using the design-build construction method where a subcontractor will be awarded the irrigation portion of the project. Because the irrigation system will be subcontracted at a later date and is part of the overall water reuse system that is necessary to meet the Commission's standards, the irrigation system must be included in the Stormwater Maintenance Agreement. The applicant must provide irrigation distribution plans (pipe locations, size, preliminary pump plan, augmentation water info, area to be irrigated, and demonstration that the receiving soils have infiltration capacity) and an Operation and Maintenance Plan for the stormwater system, including the irrigation system. Motion by Weir, second by Walraven to approve this project with the contingencies noted in Staff's findings dated July 1, 2021, and detailed above. *Motion carried unanimously.*

2. 2021-013 Rush Creek Reserve, Corcoran.* This is a 91-acre site located along the north side of CR10, across from the Corcoran Community Park. The applicant is proposing to create a residential sub-division including 66 townhomes and 177 single-family units with 24.2 acres of new impervious area. The existing area is agricultural with 58 acres of cropland and 33 acres of wetlands/wooded areas. In their findings dated June 12, 2012, and updated July 14, 2021, Staff recommends approval with the following conditions (1) payment of all review fees; (2) City of Corcoran/TEP approval of the Wetland Mitigation Plan and the Wetland Banking Plan; and (3) the applicant's provision of a Stormwater Maintenance Agreement acceptable to the City and the Commission within 90 days after the plat is recorded. The irrigation system is part of the overall water reuse system that is necessary to meet the Commission's standards and must be included in the Stormwater Maintenance Agreement. The applicant must provide irrigation distribution plans (pipe locations, size, preliminary pump plan, augmentation water info, area to be irrigated, and demonstration that the receiving soils have infiltration capacity) and an Operation and Maintenance Plan for the stormwater system, including the irrigation system. Motion by Weir, second by Walraven to approve this project with the contingencies noted. *Motion carried unanimously.*

Note: Upon further consultation with the City following the meeting, the second condition was revised to read:

(2) City of Corcoran/TEP approval of the Wetland Mitigation Plan and the ~~Wetland Banking Plan~~; City maintains a drainage and utility easement for existing and proposed on-site wetlands;

B. Motion by Guenthner, second by Weir to adopt the **Policy on Cost Share for Equipment and Non-Structural Practices,*** effective July 14, 2021. *Motion carried unanimously.*

C. Educational Materials.* Motion by Weir, second by Walraven to approve an expenditure of \$1,000 as the Commission's share of the costs of a WMWA Special Project to create/update/develop educational materials related to chloride and pet waste. *Motion carried unanimously. (See more details in Item VII.A., below.)*

IV. Old Business.

V. New Business.

A. Review of BWSR's **Performance Review and Assistance Program (PRAP)** report has been rescheduled to the August meeting.

B. Clean Water Fund Grant Applications. The Board of Water and Soil Resources (BWSR) has opened the annual Clean Water Fund (CWF) application period, which runs from June 30 to August 17, 2021

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(<http://www.bwsr.state.mn.us/apply>). The CWF is comprised of several pots of money that are available to fund state priorities. The largest pot is the Projects and Practices grant program, this year funded at \$12 million. Grant funding will be released to successful applicants in about April 2022 and funds must be expended by December 31, 2024. The grants require a 25% non-state match.

According to Staff's July 6, 2021, memo,* eligible projects must be identified in an approved watershed plan or a TMDL or WRAPS. The following three high-level state priorities have been established for Clean Water Fund nonpoint implementation:

1. Restore those waters that are closest to meeting state water quality standards
2. Protect those high-quality unimpaired waters at greatest risk of becoming impaired
3. Restore and protect water resources for public use and public health, including drinking water.

Staff reached out to Brian Vlach at Three Rivers Park District and Kris Guentzel at Hennepin County to see if they had any potential projects the Commission could partner on. They also discussed potential projects coming out of the Diamond Lake SWA with Jeff Strom at Wenck/Stantec. Vlach is considering a CWF application for the Dayton River Road (CSAH 12) Ravine Stabilization project, which is on the Commission's CIP. Guentzel suggested funding for the Diamond Lake SWA, but Strom thinks it would be premature at this time. If any of the member cities has another project that qualifies and would show well for grant funding, they should consider assisting with or leading development of a grant application. Contact Diane Spector, dspector@wenck.com, for more information/assistance.

C. The Commission will be **returning to in-person meetings** beginning with the August 11, 2021 regular meeting. Tentative location will be the same as before the pandemic, in the Mayor's Conference Room at Maple Grove City Hall. Staff will provide a memo outlining statutory requirements of returning to in-person meetings.

VI. Communications.

A. **Staff Report.*** Staff reports provide updates on the development projects currently under review by Staff or awaiting final recordings. The projects listed in the table beginning on page 5 of these minutes are discussed in this month's report.

B. Hennepin County Updates.

1. Guentzel reported on the status of projects being undertaken with Rush Creek Clean Water grant funds. He stated that they are very close to beginning Phase 1.

2. He also mentioned that the County is exploring the idea of using grant funds to incentivize **replacement of pre-1990 septic**s (identified as a source of bacterial pollution in the SWA, but not previously planned to be a focus of the grant implementation), particularly those that pose an imminent threat to public health systems. County staff will engage BWSR on the eligibility for use of grant funds for this purpose and are interested in understanding the Commission's level of comfort in cost-sharing.

3. Guentzel announced that the County is in the process of updating its **Natural Resources Strategic Plan,*** which will define their natural resources goals and strategies for the next ten years. They are seeking input from the community by taking a survey by August 1, 2021, to help shape priorities and how citizens would like to be engaged in the update of the plan. <https://www.surveymonkey.com/r/L2QRWFS>

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VII. Education and Public Outreach.

A. At recent meetings of the **West Metro Water Alliance** (WMWA) members have been concentrating on education and outreach items in the new NPDES General Permit, focusing on chloride and pet waste. Subcommittees are completing this assessment to determine additional needs and required resources (e.g., design assistance, fabrication, printing) as well as a plan for disseminating the materials. It is anticipated this work can be completed using the WMWA Special Projects budget, which had a balance of \$10,700 at the end of 2020. The agreement between the four WMOs in WMWA (Bassett Creek, Elm Creek, Shingle Creek and West Mississippi) requires that Special Projects be approved by the four WMOs before expenditures can be made. The goal is to have all the work completed by the end of 2021.

B. WMWA is seeking to hire an educator and to begin preparing for in-person Watershed PREP classes in the fall.

C. The **next WMWA meeting**, is scheduled for 8:30 a.m., Tuesday, August 10, 2021. The meeting will be held in person at Plymouth City Hall.

VIII. Grant Opportunities and Project Updates. *(See Item V.B., above.)*

IX. Other Business.

Walraven informed the members that he has published his first book, ***The Scarred Oak***. The book is based on his life story and is about a young boy living in a small village on the German border in Holland. The boy witnessed the start, the cruelty, and the ending of World War II. The boy was closed in by a huge cave-in 3600 feet deep in a coal mine for four days. He emigrated to Canada and then to the USA. Since the war he has traveled all over world. The book is available on Amazon.

X. Adjournment. There being no further business, motion by Weir, second by Walraven to adjourn. *Motion carried unanimously.* The meeting was adjourned at 1:03 p.m.

Respectfully submitted,



Judie A. Anderson
Recording Secretary
JAA:tim

Z:\Elm Creek\Meetings\Meetings 2021\June 9, 2021 regular and public meeting minutes.docx

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Elm Creek Watershed Management Commission Treasurer's Report

		2021 Budget	July 2021	Aug 2021	2021 Budget YTD
EXPENSES					
Administrative		95,000	8,762.07	7,138.26	60,104.00
Grant Writing		650			0.00
Website		2,000	16.25	120.00	358.00
Legal		2,000	31.00		736.25
Audit		5,000		6,000.00	6,000.00
Insurance		3,800			3,800.00
Miscellaneous/Contingency		1,000			0.00
Technical Support - HCEE		12,000			0.00
Floodplain Mapping					23,488.00
Project Review Technical		185,000	15,265.00	5,785.50	62,409.50
Other Technical			16,213.75	7,187.55	36,853.80
Project Reviews - Admin Support		12,000	1,480.21	1,183.45	13,481.03
WCA - Admin					340.60
Stream Monitoring USGS		24,000			0.00
Stream Monitoring TRPD		7,200			0.00
DO Longitudinal Survey		1,000			0.00
Rain Gauge		400	34.34	34.72	215.26
Lakes Monitoring - CAMP		760			0.00
Lakes Monitoring - TRPD					0.00
Sentinel Lakes		8,100			0.00
Additional Lake		2,500			0.00
Aquatic Vegetation Surveys		1,100			0.00
Wetland Monitoring (WHEP)		4,000			0.00
Education		2,500	542.50	257.50	1,023.51
WMWA General Activities		5,000		3,000.00	3,000.00
WMWA Implementation/Watershed Prep		6,500		1,000.00	1,000.00
Rain Garden Wkshops/Intensive BMPs/Special Proj		3,000		1,000.00	1,000.00
Education Grants		1,000			0.00
Macroinvertebrate Monitoring-River Watch		3,000			0.00
Projects ineligible for ad valorem		0			0.00
Studies / Project ID / SWA		0	32.86		1,063.17
Plan Amendment		2,000	15.01		641.66
Contribution to 4th Gen Plan		10,000			0.00
Transfer to (from) Capital Projects (see CIP Tr		175,000			128,781.77
Transfer to (from) Cash Sureties (see below)			-	-	1,003.00
Transfer to (from) Grants (see below)		125,000	-	-	0.00
To Fund Balance					0.00
TOTAL - Month			42,392.99	32,706.98	345,299.55
TOTAL Paid in 2021, incl late 2020 Expenses		700,510.00	414,403.53	447,110.51	2021 Paid

Elm Creek Watershed Management Commission Treasurer's Report

		2021 Budget	July 2021	Aug 2021	2021 Budget YTD
INCOME					
<i>From Fund Balance</i>					
Project Review Fee		100,000	16,875.00		107,198.90
Refund Project Fee					(1,021.50)
Water Monitoring - TRPD Co-op Agmt		5,500			0.00
Member Dues		237,300			237,300.00
Interest/Dividends Earned		15,250	13.14		115.59
<i>Transfer to (from) Capital Projects (see CIP Tr</i>		185,588	72,418.24		72,418.24
<i>Transfer to (from) Cash Sureties (see below)</i>					0.00
<i>Transfer to (from) Grants (see below)</i>		100,000	-	-	189,691.00
Misc Income					0.00
Total - Month			89,306.38	0.00	605,702.23
TOTAL Rec'd 2021, incl late 2020 Income		643,638.00	632,690.05	632,690.05	2021 Received
CASH SUMMARY		Balance Fwd			
Checking		0.00			
4M Fund		1,307,408.90	1,525,695.42	1,492,988.44	
Cash on Hand			1,525,695.42	1,492,988.44	
CASH SURETIES		Balance Fwd			Activity 2021
WCA Administrative Escrows		338			0.00
WCA Monitoring Escrows		8,770			-1,003.00
Total Cash Sureties		9,108	8,104.77	8,104.77	
Deferred Revenue - 2019 WBIF Grant		67,243			
Total Restricted Cash		76,351	77,353.77	77,353.77	
RESTRICTED / ASSIGNED FUNDS		Balance Fwd			
<i>Restricted for CIPs</i>		745,366	72,418.24	-	689,002.47
<i>Enc. Studies / Project Identification / SWA</i>		187,134	(32.86)	-	186,070.91
Total Restricted / Assigned Funds		932,500	875,073.38	875,073.38	
Claims Presented		General Ledger Account No	July	August	TOTAL
Campbell Knutson - Legal		521000			0.00
Connexus - Rain Gauge		551100		34.72	34.72
Barr Engineering					1,339.00
Project Review Technical		578050		1,186.50	
Other Technical		578050		152.50	
Johnson & Company - Audit, Financial Prep		521000		6,000.00	6,000.00
Metro Blooms-Blue Thumb 2021 Partner Fee		590000		250.00	250.00
Shingle Creek WMO - WMWA					5,000.00
2020 WMWA General Expense		590001		3,000.00	
2020 WMWA Watershed PREP		590001		1,000.00	
2020 WMWA Special Projects		590001		1,000.00	
Stantec (formerly Wenck)					11,634.05
Project Review Technical		578050		4,599.00	
Other Technical		578050		7,035.05	
JASS					8,449.21
Administration		511000		5,748.16	
TAC Support		511000		1,390.10	
Website		581000		120.00	
Project Reviews		578100		1,183.45	
Education		590000		7.50	
TOTAL CLAIMS					32,706.98

Elm Creek Watershed Management Commission
2021 Treasurer's Report - Capital Improvement Project Tracking

CIPs		Amount	%age	JAN 2021	FEB 2021	MAR 2021	APR 2021	MAY 2021	JUN 2021	JUL 2021	AUG 2021	TOTAL 2021
	2016-01 Fox Creek Phase 2 Bank Stabiliz	80,312	16.296									
	Revenue									142.53		142.53
	Expense											-
	Balance			-	-	-	-	-	-	142.53	-	142.53
	2017-01 Fox Creek Phase 3 Streambank	112,500	25.714									
	Revenue									199.67		199.67
	Expense											-
	Balance			-	-	-	-	-	-	199.67	-	199.67
	2017-04 Rain Garden at Independence A	75,000	17.143									
	Revenue											-
	Expense											-
	Payment to City						38,447.38					38,447.38
	Balance			-	-	-	(38,447.38)	-	-	-	-	(38,447.38)
	2018-01 Rush Creek Ph 3 Main Stem Str	75,000	30.000									
	Revenue									133.11		133.11
	Expense											-
	Balance			-	-	-	-	-	-	133.11	-	133.11
	2018-03 Elm Creek Phase III Stream Res	100,000	40.000									
	Revenue											-
	Expense											-
	Payment to City							90,334.39				90,334.39
	Balance			-	-	-	-	(90,334.39)	-	-	-	(90,334.39)
	2018-04 Downs Road Trail Rain Gardens	75,000	30.000									
	Revenue									133.11		133.11
	Expense											-
	Balance			-	-	-	-	-	-	133.11	-	133.11
	2019-01 Rush Creek Main Stem Ph 3	26,513	8.983									
	Revenue		12.409									-
	Expense											-
	Balance			-	-	-	-	-	-	-	-	-
	2019-05 Downtown Regional Stormwater	28,079	9.514									
	Revenue		13.141									-
	Expense											-
	Balance			-	-	-	-	-	-	-	-	-
	2019-06 Elm Creek Restore Ph IV	159,075	53.899									
	Revenue		74.450									-
	Expense											-
	Balance			-	-	-	-	-	-	-	-	-
	2020-01 Livestock Exclusions, Buffers, S	53,025	38.550									
	Revenue									27,682.68		27,682.68
	Expense											-
	Balance			-	-	-	-	-	-	27,682.68	-	27,682.68
	2020-02 Agricultural BMPs Cost Share	53,025	38.550									
	Revenue									27,682.68		27,682.68
	Expense											-
	Balance			-	-	-	-	-	-	27,682.68	-	27,682.68
	2020-03 Enhanced Street Sweeper	31,512	22.900									
	Revenue									16,444.46		16,444.46
	Expense											-
	Balance			-	-	-	-	-	-	16,444.46	-	16,444.46
TOTAL CIP												
	Revenue			-	-	-	-	-	-	72,418.24	-	72,418.24
	Expense			-	-	-	-	-	-	-	-	-
	Payments			-	-	-	38,447.38	90,334.39	-	-	-	128,781.77
	Balance			-	-	-	(38,447.38)	(90,334.39)	-	72,418.24	-	(56,363.53)



13

Account Number:

481113-238425

ELM CREEK WATERSHED MGMT ORG

Monthly Statement

Service Address

ELM CREEK RD
DAYTON MN

Billing Summary

Billing Date: Jul 16, 2021

Previous Balance	\$34.34
Payments - Thank You!	\$34.34
Balance Forward	\$0.00
New Charges	\$34.72

Total Amount Due **\$34.72**

Payment must be received on or before August 13, 2021

Total Amount Due

\$34.72

Due Date

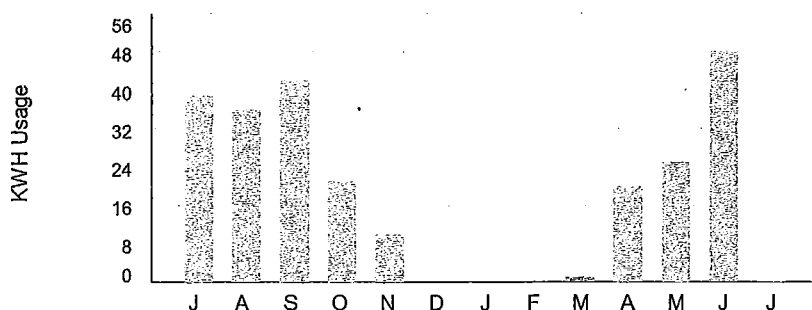
August 13, 2021

Message Center

Energy Comparison

Previous Months' Usage

Current Month's Usage



How to contact us

Member Services / Moving - 763-323-2650

Outages and Emergencies - 763-323-2660

Hearing/Speech Impaired Call - 711 or 800-627-3529

Email: info@connexusenergy.com

www.connexusenergy.com

Gopher State One Call - 811

14601 Ramsey Boulevard, Ramsey, MN 55303

▼ Please detach at perforation and return this portion with a check or money order made payable to Connexus Energy ▼

TRA3-D-007180/006361 AGZT5N S1-ET-M1-C00002 1



Account Number:

481113-238425

Total Amount Due

\$34.72

Payment Due By

August 13, 2021

007180 1 AB 0.425 003165/007180/006361 024 01 AGZT5N
ELM CREEK WATERSHED MGMT ORG
3235 FERNBROOK LN N
PLYMOUTH MN 55447-5325



Connexus Energy

PO Box 1808

Minneapolis, MN 55480-1808

00003472 0004811130238425 000000 00000 000000000000 0000007



INVOICE

Barr Engineering Co.
 4300 MarketPointe Drive, Suite 200
 Minneapolis, MN 55435
 Phone: 952-832-2600; Fax: 952-832-2601
 FEIN #: 41-0905995 Inc: 1966

Ms. Judie Anderson
 Elm Creek Watershed Management Commission
 JASS-Watershed Administrators
 3235 Fernbrook Lane
 Plymouth, MN 55447

July 29, 2021

Invoice No: 23270F55.21 - 7

Total this Invoice	\$1,339.00
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Regarding: Review of development permits for compliance with the Elm Creek Watershed Management Plan

This invoice is for professional services for the above project, which include the following:

Job 100 - Technical Services

Meetings

- None

Pre-Project Review

- None

General administrative tasks

- Responding to general coordination emails and phone calls
- Invoicing

Job 300 - Project Reviews

Reviewing the following projects for compliance with Commission rules:

- 2021-022 Rogers HS Trail & Batting Cage

Coordinating and reviewing post approval submittals

- None

Professional Services from June 19, 2021 to July 23, 2021

Job:	100	Technical Services
------	-----	--------------------

Task:	040	General
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Labor Charges

	Hours	Rate	Amount	
Principal				
Herbert, James	.50	200.00	100.00	
Support Personnel II				
Pinter, Laura	.50	105.00	52.50	
	1.00		152.50	
Subtotal Labor				152.50
		Task Subtotal		\$152.50
		Job Subtotal		\$152.50

Job:	300	Project Reviews
------	-----	-----------------

PLEASE REMIT TO ABOVE ADDRESS and INCLUDE INVOICE NUMBER ON CHECK.

Terms: Due upon receipt. 1 1/2% per month after 30 days. Please refer to the contract if other terms apply.

Project	23270F55.21	Elm Creek WMC 2021	Invoice	7
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Task: 2122 2021-022 Rogers HS Trail and Batting Cage

Labor Charges

	Hours	Rate	Amount	
Engineer / Scientist / Specialist IV Waln, Joseph	3.20	160.00	512.00	
Engineer / Scientist / Specialist II Brown, Aaron	7.10	95.00	674.50	
	10.30		1,186.50	
Subtotal Labor				1,186.50
		Task Subtotal		\$1,186.50
		Job Subtotal		\$1,186.50
		Total this Invoice		\$1,339.00

	Current	Prior	Total	Received	A/R Balance
Invoiced to Date	1,339.00	56,040.50	57,379.50	56,040.50	1,339.00

Thank you in advance for the prompt processing of this invoice. If you have any questions, please contact Joe Waln, your Barr project manager at 952.832.2984 or email at jwaln@barr.com.

Johnson & Company, Ltd.
3255 Fernbrook Lane North
Minneapolis, MN 55447
(952) 525-9500

ELM CREEK WATERSHED MANAGEMENT COMMISSION
3235 FERNBROOK LANE N
PLYMOUTH, MN 55447

Client # : 4274

Invoice Number : 44027

Invoice Date : Wednesday, June 30, 2021

For Professional Services Rendered :

Preparation of report on audited financial statements for the year ended December 31,
2020.

6,000.00

Total Invoice Amount

\$6,000.00

Metro Blooms

PO Box 17099
Minneapolis, MN 55417
6516992426
www.metroblooms.org

Invoice

INVOICE # 1375
DATE 5/24/2021
DUE DATE 6/23/2021
TERMS Net 30

BILL TO

Elm Creek Watershed Management Commission
Attn: Amy Juntunen

PO NO:

SERVICE	AMOUNT
2021 Blue Thumb Partner fees: 100% due	250.00

Please remit by check or credit card to:

Metro Blooms
PO Box 17099
Minneapolis, MN 55417

Questions or payments? (651) 699-2426

Total	\$250.00
Payments/Credits	\$0.00
Total Due	\$250.00

Bassett Creek Watershed Management Commission
Elm Creek Watershed Management Commission
Shingle Creek Watershed Management Commission
West Mississippi Watershed Management Commission

2021 WMWA General Expense, Watershed PREP and Special Projects

[illegible]

Invoice Number	1817553
Invoice Date	August 4, 2021
Purchase Order	--
Customer Number	167501
Project Number	227702779

Bill To

Elm Creek Watershed Management Commission
Accounts Payable
3235 Fernbrook Lane
Plymouth MN 55447
United States

Please Remit To

Stantec Consulting Services Inc. (SCSI)
13980 Collections Center Drive
Chicago IL 60693
United States

Project Elm Creek Watershed 2021 Technical Services

Project Manager	Spector, Diane F	Contract Upset	181,148.00
Current Invoice Total (USD)	11,634.00	Amount Billed to Date	41,883.75
		For Period Ending	July 23, 2021

Update rates, Email invoices to Judie Anderson judie@jass.biz

Top Task	100	Pre-Project Reviews and Inquiries
Low Task	100	Pre-Project Reviews and Inquiries

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Mullen, Ross S	3.00	165.00	495.00
Spector, Diane F	2.50	200.00	500.00
Subtotal Professional Services	5.50		995.00

Subconsultants

Surface Water Solutions LLC	687.50
Subtotal Subconsultants	687.50

Low Task Subtotal	Pre-Project Reviews and Inquiries	1,682.50
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Top Task Subtotal	Pre-Project Reviews and Inquiries	1,682.50
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Top Task	300	Meetings
Low Task	300	Meetings

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Mullen, Ross S	9.75	165.00	1,608.75
Spector, Diane F	5.50	200.00	1,100.00
Matthiesen, Edward Armin (Ed)	8.00	205.00	1,640.00
Subtotal Professional Services	23.25		4,348.75

Subconsultants

Surface Water Solutions LLC	812.50
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Invoice Number	1817553
Invoice Date	August 4, 2021
Purchase Order	---
Customer Number	167501
Project Number	227702779

Subtotal Subconsultants	812.50
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Low Task Subtotal	Meetings	5,161.25
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Top Task Subtotal	Meetings	5,161.25
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Top Task	500	Project Review
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Low Task	500.016	Territorial Lofts
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Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Mullen, Ross S	4.50	165.00	742.50
Subtotal Professional Services	4.50		742.50

Low Task Subtotal	Territorial Lofts	742.50
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Low Task	500.020	Crew Carwash
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Subconsultants

Surface Water Solutions LLC	1,562.50
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Subtotal Subconsultants	1,562.50
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Low Task Subtotal	Crew Carwash	1,562.50
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Low Task	500.023	Maple Grove MOB
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Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Zea, Jacob Thomas	8.00	128.00	1,024.00
Mullen, Ross S	4.25	165.00	701.25
Subtotal Professional Services	12.25		1,725.25

Subconsultants

Surface Water Solutions LLC	568.75
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Subtotal Subconsultants	568.75
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Low Task Subtotal	Maple Grove MOB	2,294.00
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Top Task Subtotal	Project Review	4,599.00
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Top Task	600	Other Services
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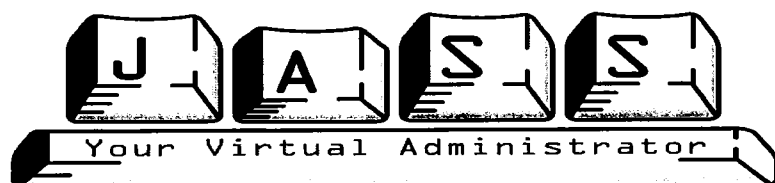
Low Task	600.000	Other Services
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Professional Services

Invoice Number	1817553
Invoice Date	August 4, 2021
Purchase Order	--
Customer Number	167501
Project Number	227702779

Category/Employee		Current Hours	Rate	Current Amount
	Mullen, Ross S	0.25	165.00	41.25
	Spector, Diane F	0.75	200.00	150.00
	Subtotal Professional Services	<u>1.00</u>		<u>191.25</u>
Low Task Subtotal	Other Services			191.25
Top Task Subtotal	Other Services			191.25
	Total Fees & Disbursements			<u>11,634.00</u>
	INVOICE TOTAL (USD)			11,634.00

Due upon receipt or in accordance with terms of the contract



3235 Fernbrook Lane
Plymouth MN 55447

Elm Creek Watershed Management Commission
3235 Fernbrook Lane
Plymouth, MN 55447

4-Aug-21

Total by
Project Area

Administrative	0.170	60.00	10.20	
Administrative	42.190	65.00	2,742.35	
Administrative - Audit		65.00	0.00	
Administrative - PRAP		65.00	0.00	
Admin - virtual PRAP		70.00	0.00	
PRAP - Reimbursable Expense		1.00	0.00	
Admin - virtual	2.840	70.00	198.80	
Office Support	12.00	200.00	2,400.00	
Storage Unit	1.00	146.64	146.64	
Data Processing/File Mgmt		60.00	0.00	
File Management		60.00	0.00	
Admin - Reimbursable Expense	250.17	1.00	250.17	5,748.160
Admin - TAC support	0.17	60.00	10.20	
Admin - TAC support	14.72	65.00	956.80	
Admin - TAC support virtual	5.07	70.00	354.90	
TAC Support - Reimbursable Expense	68.20	1.00	68.20	1,390.100
Website		60.00	0.00	
Website		65.00	0.00	
Website - Reimbursable Expense		1.00	0.00	
Web Domain, hosting	120.00	1.00	120.00	120.000
Project Reviews - Secre		60.00	0.00	
Project Reviews - Admin	11.77	65.00	765.05	
Project Reviews - Admin offsite		70.00	0.00	
Project Reviews - Admin - File Mgmt		60.00	0.00	
Project Reviews - Reimbursable Expense	207.15	1.00	207.15	972.200
Project Reviews - Admin - Specific	3.25	65.00	211.25	
Project Reviews - Admin - Specific - reimbursables		1.00	0.00	211.250
Education - Secretarial		60.00	0.00	
Education - Admin		65.00	0.00	
Education - Admin virtual - Blue Thumb Partner Event		70.00	0.00	
Education - Reimbursable Expense	7.50	1.00	7.50	7.500

Invoice Total

8,449.210

Elm Creek Watershed Management Commission Treasurer's Report

	A	B	C	D	E	F	G	H	I	J	K	T	U	V
1			2021 Budget	Jan 2021	thru Jan 2021 / paid Feb 2021 8.3%	thru Feb 2021 / paid Mar 2021 16.67%	thru Mar 2021 / paid April 2021 25%	thru Apr 2021 / paid May 2021 33.3%	thru May 2021 / paid June 2021 41.67%	thru June 2021 / paid July 2021 50%	thru July 2021 / paid Aug 2021 66.67%	2021 Budget Expenses YTD	%age Budget Expended YTD	Extrapolated FY 2021
2	EXPENSES													
3	Administrative		95,000	6,205.27	10,014.38	8,099.71	9,393.07	8,909.13	7,787.38	8,779.82	7,138.26	60,121.75	63.29	144,292
4	Grant Writing		650									0.00	0.00	0
5	Website		2,000	952.25	66.30	48.75	32.50	46.25	27.95	16.25	120.00	358.00	17.90	859
6	Legal		2,000			62.00	480.50	162.75		31.00		736.25	36.81	1,767
7	Audit		5,000								6,000.00	6,000.00	120.00	14,400
8	Insurance		3,800			200.00	3,600.00					3,800.00	100.00	9,120
9	Miscellaneous/Contingency		1,000									0.00	0.00	0
10	Technical Support - HCEE		12,000									0.00	0.00	0
11	Floodplain Mapping		0	1,842.50	8,434.00	7,146.00	7,908.00					23,488.00		23,488
12	Project Review Technical (Job 300)		185,000	6,384.50	8,702.00	10,240.50	13,924.00	4,370.00	4,122.50	15,265.00	5,785.50	62,409.50	33.73	149,783
13	Other Technical (Jobs 100 & 200)		-	2,889.00	4,328.50	2,431.00	4,359.00	1,456.00	878.00	16,213.75	7,187.55	36,853.80		88,449
14	Project Reviews - Admin Support		12,000	650.02	2,319.93	1,742.08	2,416.43	3,488.16	850.77	1,480.21	1,183.45	13,481.03	112.34	32,354
15	WCA - Admin		-		340.60							340.60		817
16	Stream Monitoring USGS		24,000									0.00	0.00	0
17	Stream Monitoring TRPD		7,200	7,200.00								0.00	0.00	7,200
18	DO Longitudinal Survey		1,000								34.72	34.72	3.47	1,000
19	Rain Gauge		400	28.42	28.42	27.42	27.55	31.06	31.75	34.34		180.54	45.14	433
20	Lakes Monitoring - CAMP		760	760.00								0.00	0.00	0
21	Lakes Monitoring - TRPD											0.00		0
22	Sentinel Lakes		8,100	8,100.00								0.00	0.00	8,100
23	Additional Lake		2,500									0.00	0.00	2,500
24	Aquatic Vegetation Surveys		1,100	1,100.00								0.00	0.00	0
25	Wetland Monitoring (WHEP)		4,000									0.00	0.00	0
26	Education		2,500	35.00	103.60	26.60	58.31	35.00		542.50	257.50	1,023.51	40.94	2,456
27	WMWA General Activities		5,000								3,000.00	3,000.00	60.00	7,200
28	WMWA Implementation/Watershed Prep		6,500								1,000.00	1,000.00	15.38	2,400
29	Rain Garden Wkshops/Intensive BMPs/Special Projects		3,000								1,000.00	1,000.00	33.33	2,400
30	Education Grants		1,000									0.00	0.00	0
31	Macroinvertebrate Monitoring-River Watch		3,000									0.00	0.00	0
32	Projects ineligible for ad valorem		0									0.00		0
33	Studies / Project ID / SWA		0		24.70			1,005.61				1,030.31		2,473
34	Plan Amendment		2,000						626.65	15.01		641.66	32.08	1,540
35	Contribution to 4th Gen Plan		10,000									0.00	0.00	0
36	Transfer to (from) Encumbered Funds (see below)						Rain Garden at Inde Ave		EC Restora Ph III			0.00		0
37	Transfer to (from) Capital Projects (see CIP Tracking)		175,000	65,664.00			38,447.38	90,334.39				128,781.77		
38	Transfer to (from) Cash Sureties (see below)					57.50	775.00		170.50			1,003.00		
39	Transfer to (from) Grants (see below)		125,000									0.00		
40	To Fund Balance													
41	TOTAL - Month			101,810.96	34,362.43	30,081.56	81,421.74	109,838.35	14,495.50	42,377.88	32,706.98	345,284.44		
42	Accumulated Expenses 2021	blue highlighted = 2020 Expenses	700,510.00		34,362.43	64,443.99	145,865.73	255,704.08	270,199.58	312,577.46	302,906.56	2021 Paid		
43														

Elm Creek Watershed Management Commission Treasurer's Report

	A	B	C	D	E	F	G	H	I	J	K	T	U	V
44			2021 Budget		recd Jan 2021	recd Feb 2021	recd Mar 2021	recd April 2021	recd May 2021	recd June 2021	recd July 2021	2021 Budget Revenue YTD	%age Budget Received YTD	Extrapolated FY 2021
45	REVENUE													
46	From Fund Balance													
47	Floodplain Modeling											0.00		48,693
48	Project Review Fee		100,000		2,500.00	9,650.00	29,025.00	24,725.00	10,800.00	13,623.90	16,875.00	107,198.90	107.20	257,277
49	Refund Project Fee									(1,021.50)		-1,021.50		(2,452)
50	Water Monitoring - TRPD Co-op Agmt		5,500		4,807.79							0.00	0.00	5,500
52	Reimbursement for WCA Expense											0.00		-
54	Member Dues		237,300		237,300.00							237,300.00	100.00	237,300
55	Interest/Dividends Earned		15,250		22.26	22.16	22.07	11.90	12.12	11.94	13.14	115.59	0.76	277
56	Transfer to (from) Capital Projects (see CIP Tracking)		185,588		2,180.03						72,418.24	72,418.24	39.02	173,804
57	Transfer to (from) Cash Sureties (see below)				tax levy	Fish Lake Alum			BWSR W'shed Based	Floodplain mapping	CIP Tax Levy	0.00		-
58	Transfer to (from) Grants (see below)		100,000			20,000.00			140,998.00	48,693.00		209,691.00		
60	Total - Month				246,810.08	29,672.16	29,047.07	24,736.90	151,810.12	61,307.34	89,306.38	625,702.23		720,399.95
61	Accumulated Receipts 2021	blue highlighted = 2020 Revenue	643,638.00		246,810.08	276,482.24	305,529.31	330,266.21	482,076.33	543,383.67	571,382.71	2021 Received		
62														
63					Jan	Feb	March	April	May	June	July			
64	MONTHLY CASH SUMMARY	Balance Fwd			212,447.65	-409.40	-52,374.67	-85,101.45	137,314.62	18,929.46	56,599.40			

Elm Creek Watershed Management Commission Treasurer's Report

25

	A	B	C	D	E	F	G	H	I	J	K	T	U	V
66														

Elm Creek Watershed
Balance Sheet
July 31, 2021

ASSETS

Current Assets		
4M Fund Cash and Temporary Investments	\$ 1,525,695.42	
Total Current Assets		1,525,695.42
Property and Equipment		
Total Property and Equipment		0.00
Other Assets		
Total Other Assets		0.00
Total Assets	\$ 1,525,695.42	

LIABILITIES AND CAPITAL

Current Liabilities		
Total Current Liabilities		0.00
Long-Term Liabilities		
Deferred Revenue	\$ 67,243.00	
Total Long-Term Liabilities		67,243.00
Total Liabilities		67,243.00
Capital		
WCA Monitoring Guarantee	7,767.05	
WCA Administrative Guarantee	337.72	
Assigned Studies/Proj ID/SWA	187,133.87	
Restricted for CIPs	689,002.47	
Retained Surplus	305,303.65	
Net Income	268,907.66	
Total Capital		1,458,452.42
Total Liabilities & Capital	\$ 1,525,695.42	

Project Task Billing Detail
Project: 227702779 - Elm Crk '21 Technical Services
8/5/2021

Top Task	Task Number	Task Name	Expenditure Category	Budget	April	May	June	July	August	Sept	Oct	Nov	Dec	Billed To Date	% YTD Billed	Billable Budget Remaining	% Budget Available
100 - Prereviews and Inq	100	Prereviews and Inq	Budget	15,000	121.75	1,396.25	925.00	1,682.50	-	-	-	-	-	4,125.50	28%	10,874.50	72%
			Direct Labor	11,000	121.75	1,396.25	412.50	995.00						2,925.50			
			Subconsultants	4,000			512.50	687.50						1,200.00			
300 - Meetings - Meetings	300	Meetings	Budget	20,900	386.25	4,840.00	3,458.75	5,161.25	-	-	-	-	-	13,846.25	66%	7,053.75	34%
			Direct Labor	15,160	386.25	4,840.00	2,177.50	4,348.75						11,752.50			49%
			Subconsultants	5,740			1,281.25	812.50						2,093.75			22%
500 - Project Reviews	500	Project Reviews	Budget	92,444	858.75	8,032.25	5,467.00	4,599.00	-	-	-	-	-	18,825.75	20%	73,618.25	80%
	20-002	Miinnesota Health Village	Subconsultants					62.50									
	500.010	Gleason Field	Subconsultants				343.75							343.75			
	500.012	Oaks at Bauer	Direct Labor		858.75	1,757.75								2,616.50			
	500.012	Oaks at Bauer	Subconsultants				31.25							31.25			
	500.013	Rush Creek Reserve	Subconsultants				778.75	437.50						1,216.25			
	500.015	66th Ave/Gleason	Subconsultants				218.75	843.75						1,062.50			
	500.016	Territorial Lofts	Direct Labor			2,213.25	2,044.50							4,257.75			
	500.016	Territorial Lofts	Subconsultants					37.50									
	500.017	The Park Group Building	Direct Labor			1,777.50								1,777.50			
	500.018	Tavera Ph 1	Subconsultants					31.25									
	500.019	Kwik Trip	Subconsultants				968.75							968.75			
	500.020	Crew Carwash	Direct Labor			2,283.75	206.25	773.75						3,263.75			
	500.021	Terratorial Triangle	Subconsultants				875.00	437.50						1,312.50			
	500.023	Maple Grove MOB	Direct Labor					1,725.25						1,725.25			
	500.024	Riverwalk Dayton	Subconsultants					250.00						250.00			
														-			
														-			
														-			
600 - Other Services	600.000	Other Services	Budget	52,804	800.00	2,933.75	1,030.00	191.25	-	-	-	-	-	4,955.00	9%	47,849.00	91%
	400.000	Other Services DNU	Direct Labor	800	800.00									800.00		-	
	600.000	Other Services	Direct Labor	39,204		582.50	182.50	191.25						956.25			
	600.000	Other Services	Subconsultants	8,000			187.50							187.50			
	600.001	HUC-8 Review	Direct Labor	4,800		2,351.25	660.00							3,011.25			
				181,148	2,166.75	17,202.25	10,880.75	11,634.00	-	-	-	-	-	41,752.50	23%	139,395.50	77%

Note: BTD - Billed to Date
Note: Other Services DNU are services billed as task 400

elm creek

Watershed Management Commission

28

Territorial Triangle

Dayton, Project #2021-021

Project Overview:

Location:	This site is in the easterly triangle Territorial Road and CR 81 intersection, near the border of Dayton and Maple Grove. Rush Creek flows west to east, near the ROW of CR 81 along the south lot line on this property.		
Purpose:	The applicant is proposing to subdivide the 14+acre parcel into 30 rowhome units and 56 townhome units. Two ponding basins are proposed for stormwater management. This work will disturb approximately 10 acres and create 5.7 acres of new impervious areas.		
ECWMC	X	Rule D	Stormwater Management (compliance to regional design)
Rules	X	Rule E	Erosion and Sediment Control
Triggered:	X	Rule F	Floodplain Alterations
		Rule G	Wetland Alteration
		Rule H	Bridge and Culvert Crossings
	X	Rule I	Buffer Strips

Applicant:	Dayton 81 LLC	Attention:	Nathan Fair
Address:	13432 Hanson Blvd NW Andover, MN 55304	Phone:	763.438.2561
		Email:	nathanfair@edinarealtor.com
Agent:	Sathre-Bergquist, Inc.	Attention:	Tom Welshinger
Address:	150 South Broadway Wayzata, MN 55391	Phone:	952.476.6000
		Email:	twelshinger@sathre.com

Exhibits:	Description	Date Received
Application	<input checked="" type="checkbox"/> Complete ECWMC Application	5/12/2021
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	5/12/2021
	<input checked="" type="checkbox"/> City authorization: Dayton, MN	5/12/2021
	<input checked="" type="checkbox"/> Review fee: \$4,050	5/12/2021
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	5/12/2021

Submittals

1. Territorial Triangle Site Plan, by Sathre Bergquist Inc.
 - a. Title Sheet 1 of 24 dated June 4, 2020, revised July 22, 2021
 - b. Final Grading Plans, Sheet 15 and 16 of 24 dated June 4, 2020
 - c. Final Erosion Control Plan, Sheet 17 of 24, dated June 4, 2020, revised July 22, 2021.
 - d. ALTA/NSPS Land Title Survey, 1 of 1 sheet, dated April 23, 2021.
 - e. Preliminary Plat, 1 of 1 sheet, dated March 3, 2021, revised April 19, 2021.
 - f. Preliminary Sanitary & Watermain Plan, 2 of 2 sheets dated April 21, 2021.
 - g. Preliminary Storm Sewer Plan, 2 of 2 sheets, dated April 21, 2021.
 - h. Preliminary Grading Plan, 1 of 1 sheet, dated April 21, 2020.
 - i. Preliminary Erosion Control Plan, 1 of 1 sheet, dated April 16, 2021.
 - j. SWPPP Plan, 3 of 3 sheets dated April 21, 2020.

2. Territorial Triangle Development Stormwater Management Plan by Advanced Engineering and Environmental Services updated May 27, 2021, including summary of requirements, methodology analysis and results, Web soil Survey, pre and post development HydroCAD summaries, Water reuse spreadsheet summary, outlet control structure details and P8 existing and proposed summaries.
3. Geotechnical Exploration Report for site areas by Haugo GeoTechnical Services, dated June 22, 2021.
4. Infiltration tests by Haugo GeoTechnical Services dated June 25, 2021.
5. Draft Irrigation Reuse System Agreement received July 8, 2021.
6. Territorial Triangle response to ECWMC May 27, 2021, findings. Received July 8, 2021.
7. Territorial Triangle Irrigation Schedule and water line/valve layout plan by MTI Distributing dated June 28, 2021.

Findings

General

1. A complete application was received May 12, 2021. The decision period per MN Statute 15.99 was extended by the ECWMC to September 9, 2021.
2. This is an existing 14 ± acre agricultural parcel with approximately 6 acres of cropland and 8 acres of farmstead/woods/meadow areas.
3. The applicant is proposing to subdivide it into 30 row houses and 56 townhomes along with its necessary infrastructure and utilities. Future realignment of Territorial Road is proposed in the westerly portion of this property.
4. Two stormwater ponding basins will be constructed to manage the runoff from this project, new turn lanes from CR 81 for this project and the future ROW area of Territorial Road.
5. The project will disturb approximately 10.0 acres and create 5.7 acres of new impervious areas after full site build out and construction of the new Territorial Road intersection and turn lanes on CR 81.
6. Rush Creek runs along the SE corner of this property. Rush Creek is a DNR protected water designated as a public watercourse.
7. No floodplain impacts are proposed.
8. There is one, wet meadow, wetland (0.48 acres) delineated in the SE corner of this site adjacent to Rush Creek. No wetland impacts are proposed.
9. In the resubmittal received on July 8, 2021, the applicant requested Grading and Erosion Control approval prior to the final decision by the ECWMC.

Rule D – Stormwater Management

General

1. All water from this site ultimately drains into Rush Creek (14.9 acres) before and after development.
2. Existing drainage patterns.
 - a. Approximately one half of the water (5.84 acres) flows into the CR 81 ROW ditch which then flows east into Rush Creek. The easterly side (7.2 acres) of the site drains southeasterly directly into Rush Creek and a small area (1.86 acres) in the NE corner of the site drains into the Territorial Road ditch before routing back to Rush Creek.
 - b. There is 1.79 acres of existing impervious areas on this site.

3. Proposed drainage.
 - a. Grading and storm sewers will route the water from 14.5 acres on this site into two stormwater ponds. A small area (0.36 acres) will continue to drain untreated to the NE into the Territorial Road ditch.
 - b. There will be a net increase of 5.7 acres new impervious areas used to determine the abstraction requirement from this site. This includes 5.13 acres of on-site impervious areas and 0.6 acres for the new turn lanes on CR 81 and the future areas on the new Territorial Road alignment.
4. The two stormwater ponds constructed on this site will control the discharge flow rates and water quality from the changes in land use and runoff.
5. Geotechnical testing determined stormwater infiltration from the ponding site is infeasible.
6. Skimming of floatables and oils will be provided by submerging the pond outlet pipes.
7. The landowner provided a draft agreement detailing an operations and maintenance plan that assures that the irrigation system will be operated and maintained as designed. A copy of the final document must be recorded and provided to the Commission within 90 days of the final plat recording. The document is acceptable when it is finalized with the following information.
 - a. The correct construction plans for the irrigation plans must be provided in paragraph B.
 - b. The legal description of said property has not been provided in paragraph A,
 - c. Paragraph 5 must have percentage figure.
10. The City of Dayton will provide operation and maintenance on the storm sewer system and ponds within this project.

Minimum Floor Elevations

11. All homes next to wetlands and ponding basins have their lowest most floor elevations 2.0 feet or higher than the 100-year water elevation.
 - a. Pond 1E HWL 917.4 EOF 917.5. Lowest most adjacent structure, 930.5
 - b. Pond 2W HWL 927.5, EOF 929.0, isolated by future road, no structure. Road~932.0
 - c. Rush Creek HWL 907.0, Lowest most adjacent structure, 932.0.

Rate Controls

12. Rate controls **meet** Commission requirements.
13. Table 1 shows the existing and proposed flow rates from the three discharge points from this site.

Table 1 Rate Control Summary

Primary Discharge Point	Area (Acres)	Condition	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
Rush Creek Discharge	7.2	Pre-Development	18.6	35.3	74.7
	10.6	Post-Development	11.5	20.7	39.4
	+3.4	Change	-7.1	-14.6	-35.3
Northwest Ditch Discharge	5.8	Pre-Development	6.9	13.3	28.2
	3.9	Post-Development	2.8	5.7	12.5
	-1.9	Change	-4.1	-7.6	-15.7
Northeast Discharge	1.9	Pre-Development	2.0	3.7	7.8

	0.4	Post-Development	0.4	0.9	2.0
	-1.5	Change	-1.6	-2.8	-5.8

Abstraction Controls

14. The abstraction controls will meet the Commission requirements when an operation and maintenance plan is received.
15. After development there will be a net increase of 5.7 acres of new impervious area (Note, this includes 0.6 acres of future turn lanes and alignment for Territorial Road and 5.13 on-site areas).
16. Soil investigation determined that infiltration of stormwater is too slow to be an effective abstraction practice.
17. Stormwater reuse for irrigating 6.6 acres of HOA properties is propose to meet abstraction requirments. Irrigation
 - a. Stormwater pond 1E is proposed to be utilized for irrigation water.
18. Information on the irrigation system systems pipe and pump have been provided as part of the preliminary plan set.
19. An irrigation system O&M schedule was provided with the O&M agreement (see item 7 for comments on the O & M agreement). The O & M agreement must be approved by the City and Commission and recorded on the property title.
20. Table 2 summarizes the abstraction provided from this site design.

Water Quality Controls

21. Water quality controls will meet Commission requirements.
22. Table 2 summarizes the total phosphorus (TP) and total suspended solids (TSS) leaving this site before and after development as determined by the applicants P8 and Mississippi Minnehaha Creek Watershed water reuse model.

Table 2 Stormwater Summary

CONDITION (137 AC.)	TP LOAD (LBS/YR)	TSS LOAD (LBS/YR)	ABSTRACTION (CU. FT.) ⁽¹⁾
Pre-development (baseline)	3.85	1,211	N/A
Post-development without BMPs	14.25	4,465	22,880
Post-development with BMPs	1.56	309	40,600 ⁽²⁾
Net Change	-2.29	-902	+17,720

(1) 5.7 acres new impervious areas.

(2) irrigation reuse on 6.6 acres.

Buffer Strips (Rule I).

23. Buffer strips meet Commission requirements.
24. The ECWMC requires a 25-foot average and 10-foot minimum buffer width for all wetlands and a 50-foot average and 25-foot minimum buffer along Rush Creek. Where slopes within a buffer are graded, any final slope steeper than 6:1 must increase buffer widths 5 feet horizontally for every 1-foot vertical increase (i.e., 5:1=30 feet, 3:1 = 45 feet average).

- a. Buffer strips on wetland 1 are minimum of 30 feet and average 30 feet.
 - b. Buffer strips along the Rush Creek corridor are a minimum of 25 feet wide and average 50 feet.
25. Wetland buffer monumentation locations and vegetation establishment meet the Commission's requirements.

Floodplain Alterations (Rule F)

26. A portion of the Rush creek floodplain corridor runs through the southerly most area of this parcel. The modeled high-water extent of the floodplain is at an elevation of 907.0
27. All proposed grading will be at elevations above the 100-year flood elevation of 907.0. No impacts to the floodplain are proposed.

Erosion and Sediment Control (Rule E)

28. Erosion and sediment controls will meet the Commission's requirements
29. Site grading is administratively approved by the ECWMC if the applicant,
- a. Receives grading approvals from the City of Dayton and
 - b. Accepts responsibility for any changes required for final approval by the Elm Creek Watershed Management Commission

Recommendation to the Elm Creek Commissioners

Approval contingent upon.

1. Final application escrow fee balance determination by the Commission administrator. Additional payment or refund of the fees will be determined when all conditions for approval are met.
2. The applicant shall provide a Stormwater Maintenance Agreement for the irrigation system that is acceptable to the city and the ECWMC within 90 days after the plat is recorded.

..


James C. Kujawa
Surface Water Solutions
Technical Advisor

July 22, 2021
Date

Attachments

- Figure 1 Site Location Map**
Figure 2 2018 Aerial Imagery
Figure 3 Pre-development Drainage
Figure 4 Post Development Drainage and Impervious Areas.
Figure 5 Grading Plan
Figure 6 Irrigation Layout

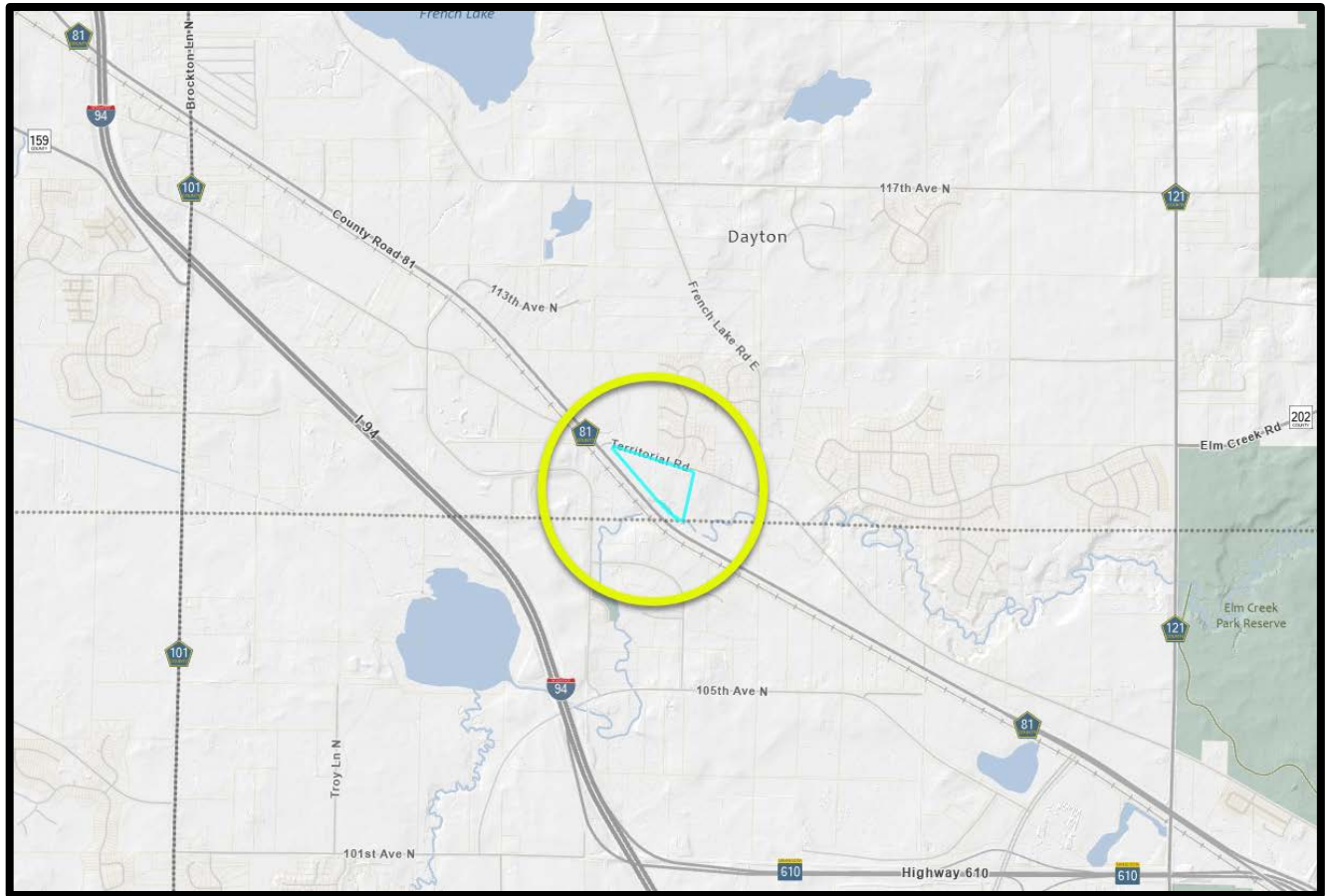


Figure 1 Site Location Maps



Figure 2 2018 Aerial Imagery

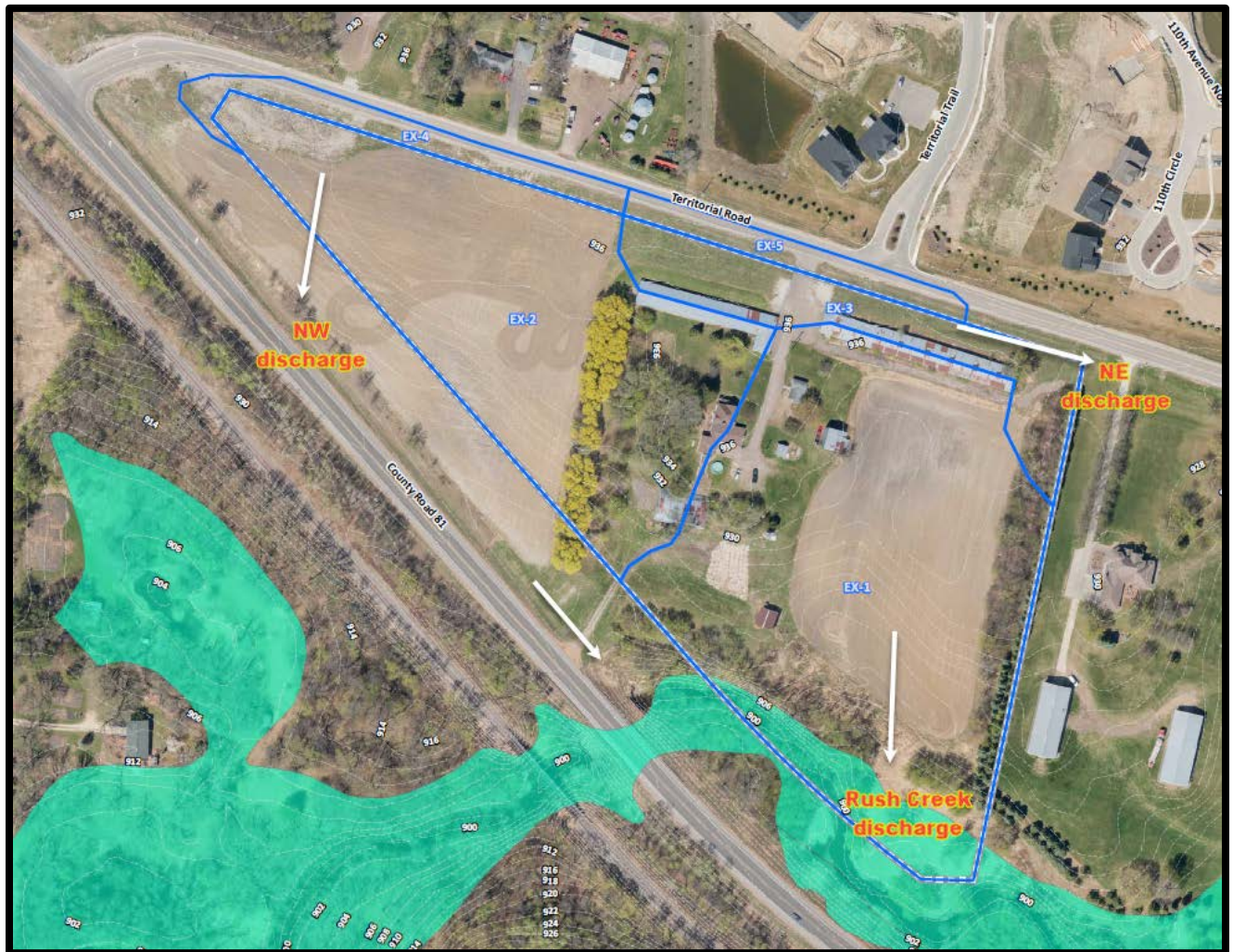


Figure 3 Pre-development Drainage

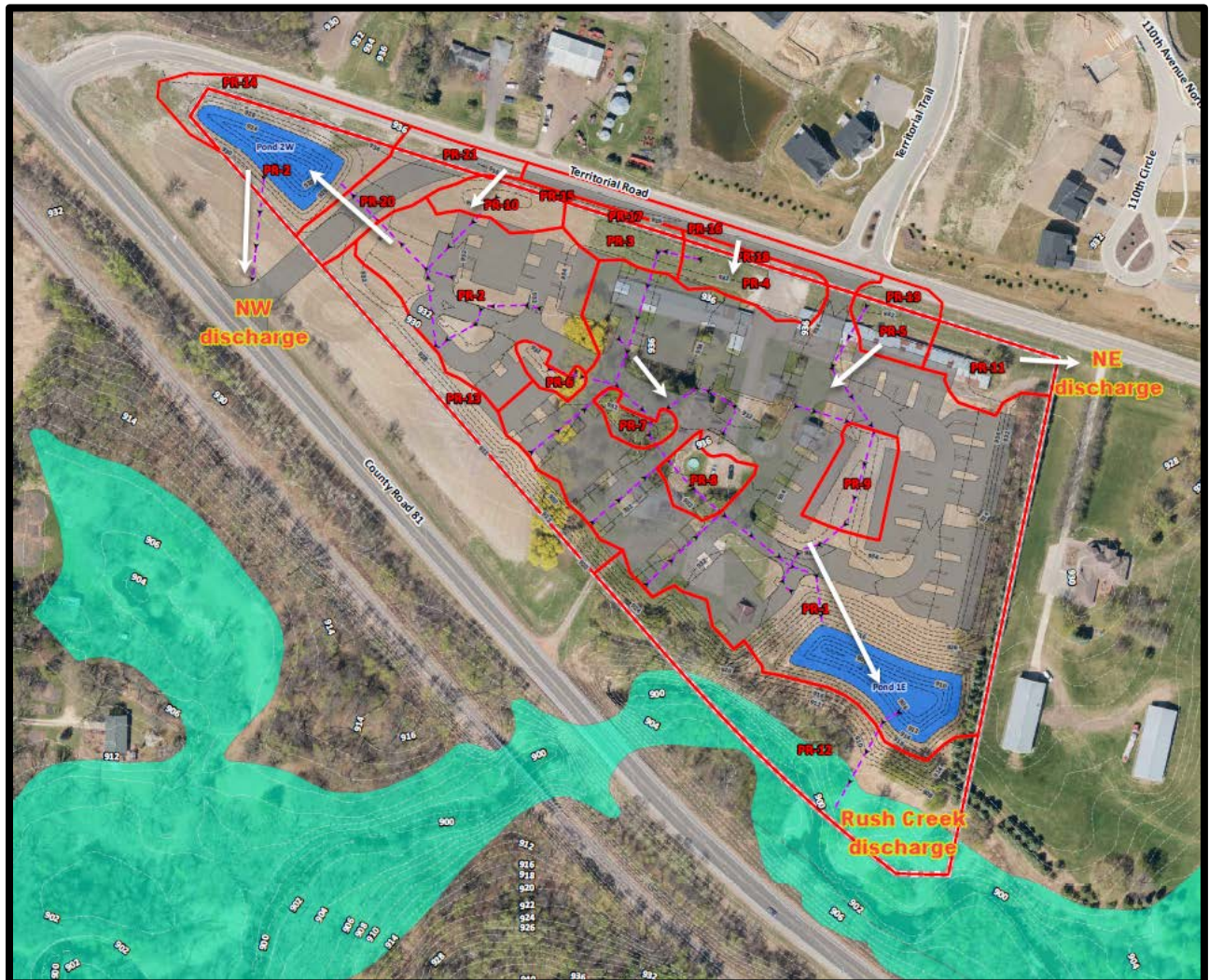


Figure 4 Post Development Drainage and Impervious Areas (gray outline)





Watershed Management Commission

ADMINISTRATIVE OFFICE

3235 Fernbrook Lane
Plymouth, MN 55447
PH: 763.553.1144
email: judie@jass.biz
www.elmcreekwatershed.org

TECHNICAL OFFICE

Barr Engineering
4300 Market Point Drive, Suite 200
Minneapolis, MN 55435
PH: 612.834.1060
Email: jherbert@barr.com

Rogers High School Batting Cage City of Rogers Project #2021-022

Project Overview:

Location: East end of Rogers High School Grounds. Northeast of intersection of Main St. and 141st Ave N.

Purpose: This project is for improvements to existing batting cages and replacement of an existing bituminous trail. The work will disturb approximately 1.63 acres and create 0.09 acres of new impervious surface. The applicant proposes to use the existing regional infiltration pond constructed in 2002 to managed stormwater runoff from these improvements.

WMC Rules	x	Rule D	Stormwater Management
Triggered:	x	Rule E	Erosion and Sediment Control
		Rule F	Floodplain Alterations
		Rule G	Wetland Alteration
		Rule H	Bridge and Culvert Crossings
		Rule I	Buffer Strips

Applicant: Independent School District #728

Address: 11500 93rd Avenue North
Elk River, MN 55330

Attention: Thomas Baranick

Phone: 763-241-3405

Email: thomas.baranick@isd728.org

Agent: BKBM Engineers

Address: 6120 Earle Brown Drive, Suite 700
Minneapolis, MN 55305

Attention: Kevin Bohl

Phone: 763-843-0427

Email: KBohl@BKBM.com

Exhibits:	Description	Date Received
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Application	<input checked="" type="checkbox"/> Complete ECWMC Application	June 21, 2021
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	May 28, 2021
	<input checked="" type="checkbox"/> City authorization: Rogers, MN	June 04, 2021
	<input checked="" type="checkbox"/> Review fee: \$3,375.00	June 16, 2021
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	June 07, 2021

Submittals

1. Transmittal Letter
2. Rogers HS Trail and Batting Cage Replacement Plan set (12 Sheets) Dated May 10, 2021. Revised July 14, 2021.
3. Hydrology Narrative and HydroCAD inputs prepared by BKBM Engineers. Dated March 18, 2020. Revised July 14, 2021.

Findings

General

1. A complete application was received June 21, 2021. The initial decision period deadline per MN Statute 15.99 is August 20, 2021.
2. The work consists of replacing a bituminous trail and batting cages on the school campus.
3. There are no Elm Creek Watershed jurisdictional floodplains, or stream crossings within the site.
4. No wetland impacts are proposed.
5. See Project #2020-026 for a review of similar improvements at this site.

Rule D – Stormwater Management (plans)

General

1. This project will disturb 1.63 acres and create 0.09 acres of new impervious surface.
2. The soils on site are predominantly Hydrologic Soil Group Type B.
3. Existing stormwater management: The Rogers High School and its stormwater plans were reviewed and approved by the ECWMC when it was built in 2000-2001. The work involved construction of the regional infiltration pond to manage stormwater management from the site.
 - a. Site area draining directly into regional pond = 58 acres
 - b. Site area draining indirectly into the regional pond = 21 acres
 - c. Soil infiltration rate in the pond based on infiltration testing = 8.3 inches-per-hour
 - d. Regional pond storage capacity below the pipe outflow elevation = 6.2 acre-feet
4. Runoff from the updated bituminous trail sheet flows north to an regional infiltration pond.
5. Runoff from the updated batting cages sheet flows east to the existing regional infiltration pond.

Water Quality Controls

1. Plans **meet** the Commission's requirements for water quality control.
2. Proposed impervious surface for the new batting cages is routed to the regional infiltration pond.
3. Abstraction in the regional infiltration pond meets the Commission's requirements for phosphorus and suspended solid controls per Rule D-3-e-i) which states, Full infiltration of one point one (1.1) inches of runoff from all impervious surface will satisfy no-net-increase criteria for post development water quality.

Rate Controls

1. Plans **meet** the Commission's requirements for rate controls.
2. The existing drainage area for the batting cages sheet flows north off-site. The area draining north offsite was reduced under proposed conditions. Table 1 shows the change in discharge leaving the site to the north.
3. The addition of impervious surface does not change the rate of discharge leaving the regional infiltration pond. Table 2 shows the change in discharge leaving the site from the regional infiltration pond.

Table 1 Rate of Discharge Leaving Site – Runoff Offsite to the North

Condition	2-year (cfs)	10-year (cfs)	100-year (cfs)
Existing	0.34	1.07	2.90
Proposed	0.16	0.69	2.03
Change	-0.18	-0.38	-0.87

Table 2 Rate of Discharge Leaving Site – Full Rogers High School Site¹

Condition	2-year (cfs)	10-year (cfs)	100-year (cfs)
Existing	5.65	34.73	108.90
Proposed	5.65	34.73	108.90
Change	0	0	0

1) Full site discharges from HydroCAD model prepared by SEH. Modified by BKBM.

Abstraction Controls

1. Plans **meet** the Commission's requirements for abstraction control.
2. New impervious areas will be 0.09 acres, requiring 0.01 acre-feet of abstraction.
3. Abstraction will be provided from excess infiltration available in the regional infiltration pond.
 - a. Abstraction volume in the regional infiltration pond = 6.2 acre-feet.
 - b. Abstraction treatment volume required for the school including new impervious areas is 1.85 acre-feet.
 - c. Excess infiltration available for abstraction is 4.35 acre-feet.

Rule E – Erosion and Sediment Control (plans)

1. Plans **meet** the Commission's requirements for erosion and sediment control.
2. The erosion and sediment control plan is consistent with current best management practices.

Recommendation

Staff recommends approval with the following condition(s).

Conditions for Approval

1. Approval is contingent upon payment of all review fees. Additional payment may be required if the review cost exceeds escrow payment(s) previously submitted by the applicant.

Barr Engineering
Advisor to the Commission



August 3, 2021
Date

Attachments

- | | |
|----------|--|
| Figure 1 | Project Location |
| Figure 2 | Areal site imagery with FEMA floodplains and Wetlands. |
| Figure 3 | Existing Contour Map |
| Figure 4 | Existing Site Grading and Drainage Areas |
| Figure 5 | Proposed Site Grading and Drainage Areas |

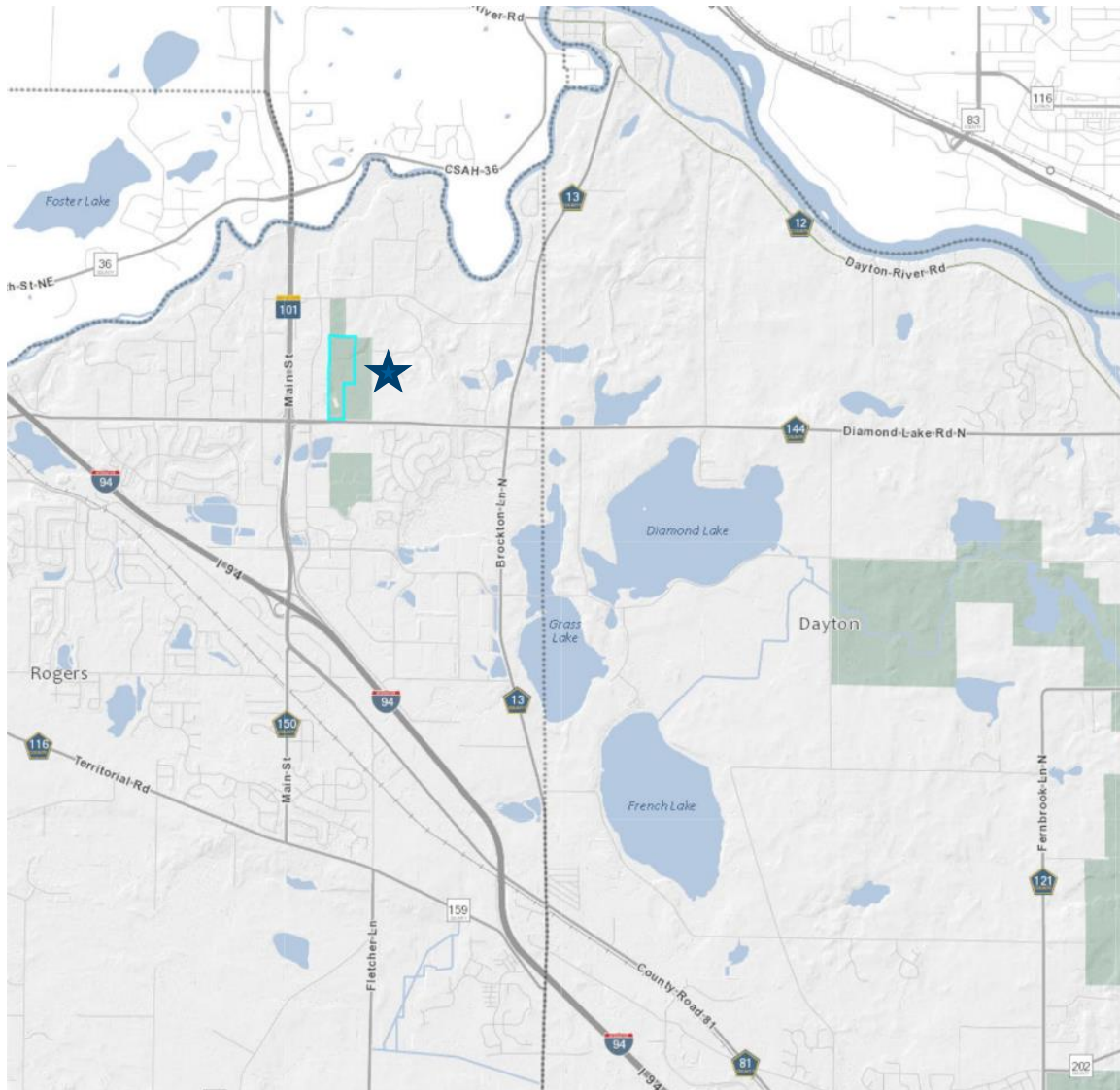


Figure 1 Project Location

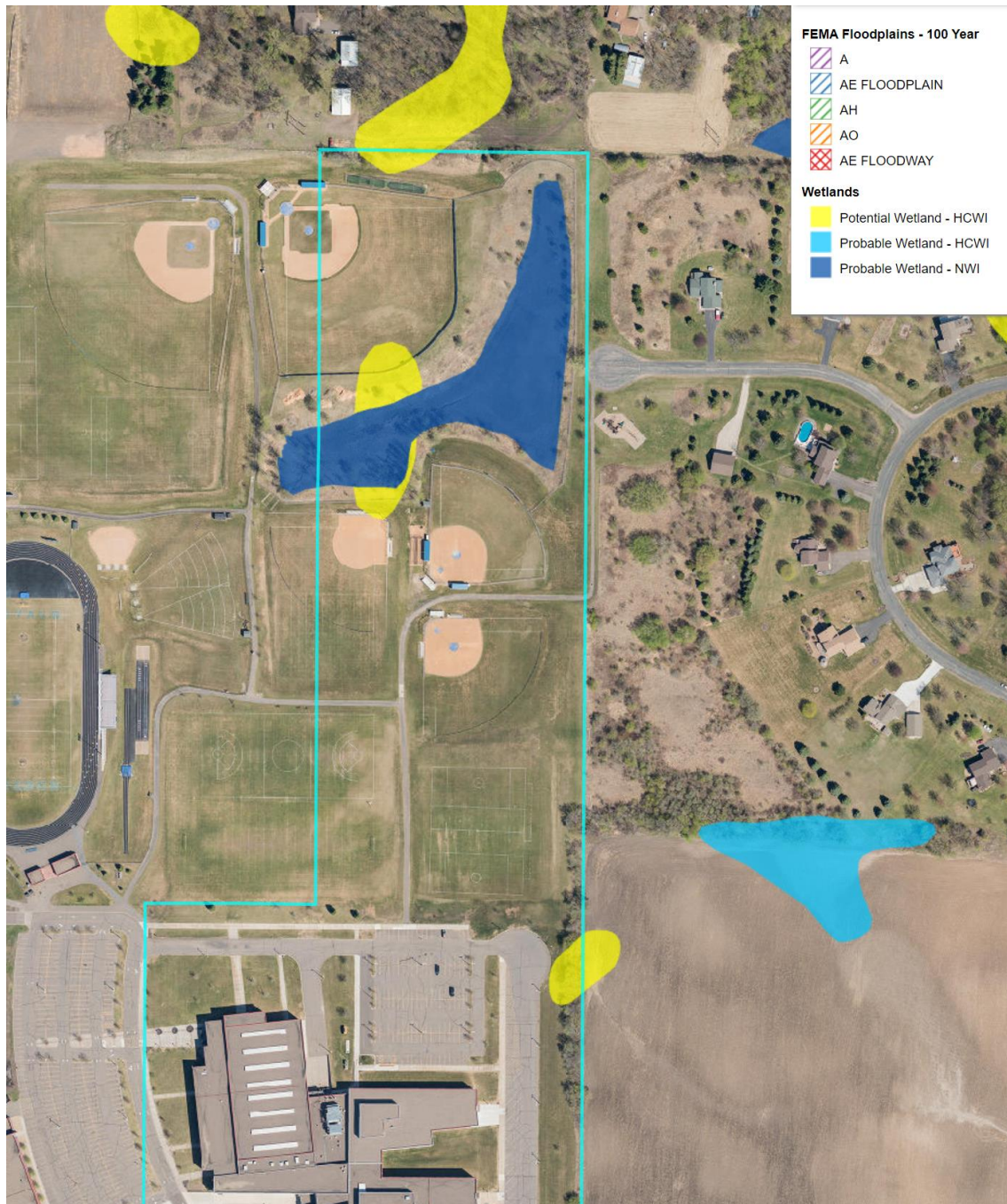


Figure 2 Areal site imagery with FEMA floodplains and Wetlands.



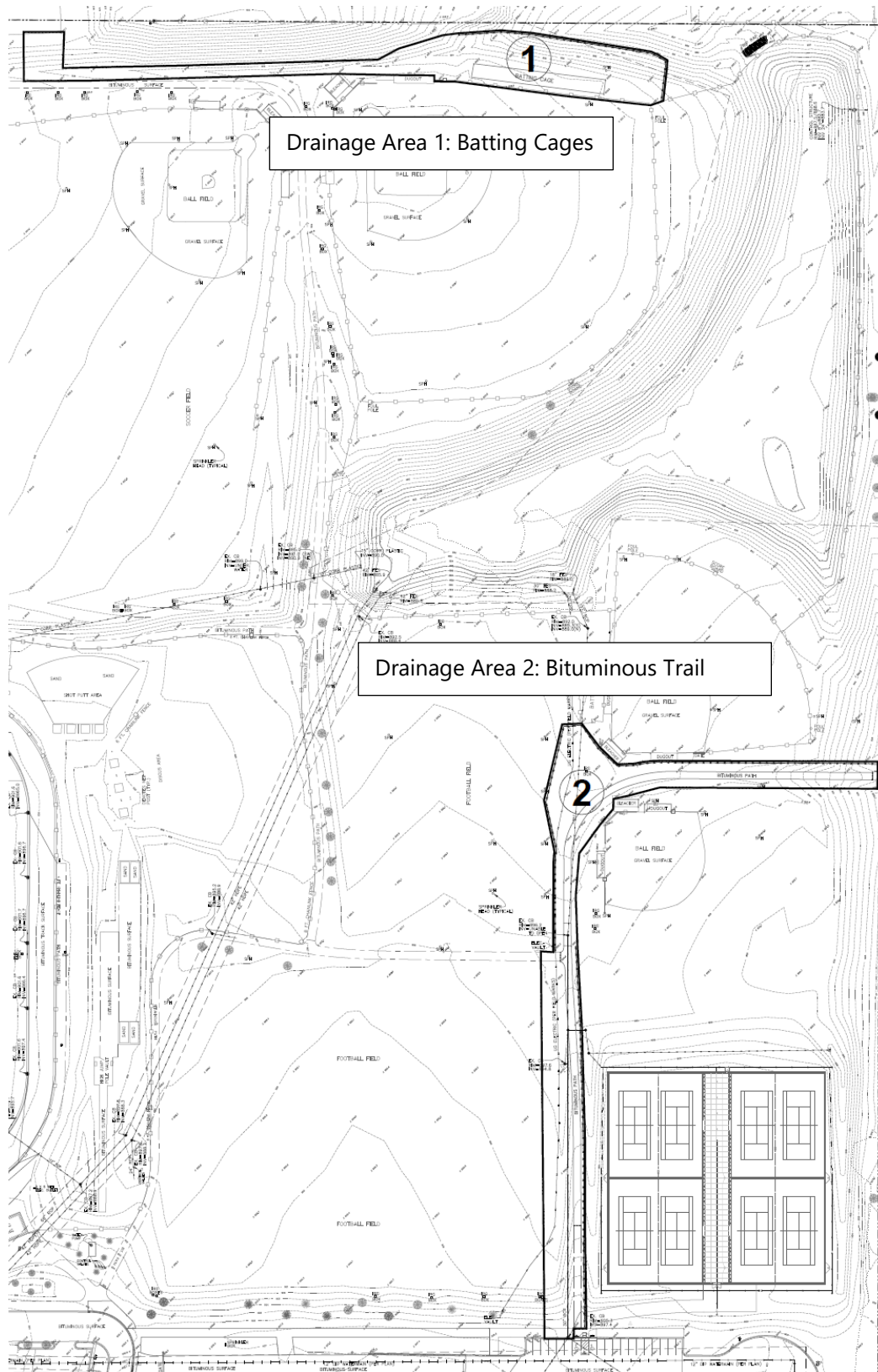


Figure 4 Existing Site Grading and Drainage Areas



Watershed Management Commission

ADMINISTRATIVE OFFICE

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Riverwalk

Dayton Project #2021-024

Project Overview:

<i>Location:</i>	South of CR 12 (Dayton River Road), west of River Hills Parkway approximately ¼ mile north of CR 144 (Diamond Lake Road).		
<i>Purpose:</i>	Construct a new single family residential subdivision with 242 lots including one amenity lot and 1 city well site. Site development will include removal of an existing home site, grading 94 acres, and installation of municipal sewer and water, streets, and stormwater systems.		
<i>WMC Rules</i>	X	Rule D	Stormwater Management
<i>Triggered:</i>	X	Rule E	Erosion and Sediment Control
		Rule F	Floodplain Alterations
	X	Rule G	Wetland Alteration
		Rule H	Bridge and Culvert Crossings
	X	Rule I	Buffer Strips

Applicant: RGW Dayton Development, LLC

Address: 10850 Old County Road 15, Suite
200, Plymouth, MN 55441

Attention: Craig Allen

Phone: 952-270-4473

Email: craig@gonyeacompany.com

Agent: Sathre Bergquist, Inc

Address: 150 South Broadway, Wayzata, MN
55391

Attention: Tom Welshinger

Phone: 651-251-0607

Email: twelshinger@sathre.com

Exhibits:	Description	Date Received
<i>Application</i>	<input checked="" type="checkbox"/> Complete ECWMC Application	July 7, 2021
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	July 7, 2021
	<input checked="" type="checkbox"/> City authorization: Champlin, MN	June 29, 2021
	<input checked="" type="checkbox"/> Review fee: \$4,050	July 7, 2021
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	July 2, 2021

Submittals

- 1 Storm Water Management Plan, Bouley Development, prepared by Advanced Engineering and Environmental Services, LLC (AE2S) dated August 2, 2021.
 - a. Narrative,
 - b. Geotechnical data, infiltration test results, Web soil survey report
 - c. HydroCAD Summaries for existing and proposed conditions
 - d. P8 Output for water quality.
 - e. Existing and proposed drainage maps

- 2 Geotechnical Exploration Report, Proposed Residential Development, 14771 Dayton River Road, Dayton MN 55327, prepared by Haugo GeoTechnical Services, dated June 29, 2021. Draft soil borings #30 and 31 on Basins #NW1 and NW2 dated August 2, 2021.
- 3 Preliminary Geotechnical Evaluation Report, Bouley 40 acres, 14860 Dayton River Road, Dayton, MN prepared by Braun Intertec Corporation dated August 31, 2007.
- 4 Riverwalk Wetland Conservation Act Replacement Plan packet dated July 26, 2021, including delineation and delineation approvals.
- 5 Sathre-Bergquist ECWMC review memo response dated July 29, 2021
- 6 Riverwalk Plan set by Sathre Bergquist; Inc dated June 23, 2021.
 - a. Preliminary Site Plan, Sheet SP.
 - b. ALTA/NSPS Land Title Survey, 3 of 3 pages.
 - c. Preliminary Plat, Sheets PP1 to PP4.
 - d. Preliminary Sanitary Sewer & Watermain Plan Sheets SW1 to SW5
 - e. Preliminary Storm Sewer Plan, Sheets SS1 to SS5
 - f. Preliminary Grading Plan, Sheets GP1 to GP6 revised July 30, 2021.
 - g. Preliminary Erosion Control Plan, Sheets EC to EC6
 - h. Tree Preservation Plan, Sheets TS1 to TS9
 - i. Preliminary Phasing Plan, Sheet SP
 - j. SWPPP Plan, 3 of 3 sheets.
 - k. Riverwalk Wetland Buffer Averaging 072921, one of one sheet.

Findings

General

1. A complete application was received July 7, 2021. The initial 60-day decision period per MN Statute 15.99 expires September 5, 2021.
2. The complete site will be rough graded for 242 single family lots, but the development will be platted in phases. Phase 1 is shown as 62 lots generally located south of 46th Avenue along Kingsview Lane.
3. This review will cover the stormwater management plan, wetland alterations, erosion controls and buffer strips for the complete 115-acre site area. Future stormwater management plan, buffer strips and wetland alteration approval will not be required if future submittals remain consistent with the approved plans. ECWMC grading plan approval will be good for one year after the Commission approval decision.
4. Most of the existing site drains to wetlands located throughout the middle of the parcel. The wetland areas generally drain from west to east into the River Hills subdivision (EC project 2013-038).
5. The project will disturb approximately 94 acres. Existing impervious areas are 2.451 acres. Proposed new impervious areas will be 34.67 acres, creating 32.23 new net impervious areas
6. There are no Elm Creek Watershed jurisdictional floodplains or stream crossings within the site.

Rule D – Stormwater Management (plans)

General

7. The project will disturb approximately 94 acres. Existing impervious areas are 2.451 acres. Proposed new impervious areas will be 34.676 acres, creating 32.23 new net impervious areas.

8. Stormwater will be managed by three wet ponds with filter benches, six wet ponds, 4 filter basins and seven wetlands. Water quality treatment will occur prior to stormwater being routed into the wetlands.
9. Hydrology and hydraulics were analyzed using HydroCAD modeling.
10. Water quality was analyzed using the P8 model.
11. The NRCS soil survey on this site show predominantly hydrologic Soil Group Type C that vary in drainage class from well drained to poorly drained. Soil borings show soil material descriptions ranging from SC to SM to ML to CL throughout the site.
12. Except for Basin2NW, where additional soil investigation is necessary, all other ponds and basins are in or adjacent to water tables and soils conditions that are not conducive for infiltration.

Rate Controls

13. Rate control measures **meet** Commission requirements.
14. Rate control for the site was provided by three wet ponds with filter benches, six wet ponds, 4 filter basins and seven wetlands. Water quality treatment will occur prior to stormwater being routed into the wetlands.
15. The applicant provided existing and proposed HydroCAD model output for the 2-year, 10-year, and 100-year events which are summarized in Table 2.
16. All flow rates meet the Commission's requirements.

Table 2 Rate of Discharge Leaving Site

Primary Discharge Point	Area (Acres)	Condition	2-yr (cfs)	10-yr (cfs)	100-yr (cfs)
Southeast Discharge (To River Hills Pond 200)	23.52	Pre-Development	21.9	46.5	78.8
	20.76	Post-Development	13.5	21.4	34.6
	-2.77	Change	-8.4	-25.2	-44.2
South Discharge into Wetland C	7.17	Pre-Development ¹	15.4	26.2	48.2
	12.43	Post-Development ²	9.8	14.4	42.4
	+5.26	Change	-5.6	-11.8	-42.4
Combined flows to Wetland C in Diamond View Development⁵	141.81	Pre-Development	42.8	102.5	233.2
	142.23	Post-Development	31.1	75.4	182.4
	+0.42	Change	-11.7	-27.5	-50.8
Northeast to NE River Hills wetland (NE reach)	57.28	Pre-Development	36.3	47.8	133.3
	72.80	Post-Development	12.2	29.6	87.3
	+15.52	Change	-24.1	-18.4	-46.0
Wetland 4 Discharge to the west	1.96	Pre-Development	4.2	7.3	13.8
	1.6	Post-Development	3.1	5.7	11.3
	-0.36	Change	-1.1	-1.6	-2.5

Culvert under CR 12 ROW (Pond 50R discharge)	74.25	Pre-Development	63.0	84.3	137.2
	65.15	Post-Development	49.2	74.5	111.5
	-9.1	Change	-15.1	-27.9	+6.7
On-Site North Discharge (to CSAH ROW depressional area)	13.21	Pre-Development ³	2.3	5.7	86.1
	7.84	Post-Development ⁴	1.1	3.0	28.9
	-5.37	Change	-1.2	-2.7	-57.2
Area 8 to Pioneer Pkwy	1.72	Pre-Development	4.7	8.5	16.6
	0.2	Post-Development	0.5	0.8	1.5
	-1.52	Change	-4.2	-7.7	-15.1

1. Subcatchment EX 14. 2 Subcatchments pr 46 & 47+P1S. 3 Subcatchment EX 16.

4 Subcatchment Pr2+Basin 1NW. 5. Reach River Hills to Pond 200+ReachWetC

Low Floor Elevations

17. The low floor elevation of all structures must be 2.0' or higher that adjacent ponds and basins. The following lots are under review to determine if they meet the requirements.
 - a. Wetland 7 - Lots 170 to 173 do not meet EOF criteria. Low floors range from 879.8 to 880.3. Low openings range from 882.8 to 883.3. 100-year = 877.8. Back-to-back 100-year = 878.7. EOF = 881.0.
18. Wetland 3 low floor elevations. Lots 73 and 74 Low floors are 916.6 & 916.3. Low openings 919.6 & 919.3. 100-year = 913.8. Because of the landlocked nature of this wetland, proposed dual outlets, low opening 5.5 feet above the 100-year elevations and limited watershed areas, although these lots do not meet the emergency overflow 1.0' separation with the low floor, the elevations meet the intent of the rules and provide for an extreme margin of safety.

Abstraction Controls (see table 3 for abstraction summary)

19. Abstraction controls **meet** Commission requirements.
20. The site will create 32.23 acres of new impervious areas requiring abstraction of 2.954-acre feet (128,676 cubic feet). Actual abstraction used by the applicant is 33.0 acres of impervious areas and 3.03-acre feet (131,987 cubic feet).
21. Infiltration of 1.1 inches of runoff from impervious areas is not feasible due to high water tables and existing low infiltration soils except for Basin 1NW.
 - a. Infiltration rate for basin 1NW must be determined using a double ring infiltrometer process.
22. Filtration volumes of 132,516 cubic feet (3.042-acre feet) is provided throughout the development by filter basins 1S, 2S, 1NE, 1NW, 2NW** and 5 and filter benches on Ponds 1N, 2N and 3N.
 - b. Filter basins 1NW, 2 NW, 1NE, 1S, 2S and 5 provide 55,486 cubic feet of abstraction.
 - c. Filter bench's 1N, 2N, and 3N provide 74,039 cubic feet of abstraction.

see item 12 above
23. Pretreatment to filter basins is provided by backyard grass swales or ponds.

Water Quality Controls

24. Water Quality controls **meet** the Commission's requirements

25. The filter basins and ponds will meet the Commission's standards for phosphorus and suspended solids treatments. (See table 3 for water quality summary)

Table 3 Abstraction and Water Quality Summary

CONDITION (115 AC.)	TP LOAD (LBS/YR)	TSS LOAD (LBS/YR)	ABSTRACTION (CU. FT.) ⁽¹⁾
Pre-development (baseline)	41.2	12,239	N/A
Post-development without BMPs	90.9	28,055	128,676
Post-development with BMPs	34.3	2,487	132,516
Net Change	-6.9	-9,752	+3,840

Rule E – Erosion and Sediment Control (plans)

26. Plans **meet** Commission requirements for erosion and sediment control.

Rule G – Wetland Alteration

27. One wetland basin will be impacted on this site.
28. Wetland 3 will have 2,755 square feet of impacts during construction.
29. A wetland replacement plan per LGU and MN WCA requirements was submitted for review July 26, 2021.
30. To mitigate for onsite wetland impacts, the applicant proposes to purchase a total of 0.1265-acre of wetland credits from the Mader Wetland Bank (#1649) located in Hennepin County, Major Watershed # 20 (Mississippi River - Metro) and Bank Service Area 7
31. Wetland alteration will meet the Commission requirements if the LGU approves the replacement plan prior to impacts.

Rule I– Buffer Strips

32. Plans **do not meet** Commission requirements for buffer strips.
33. All wetland buffer strips meet the Commission's minimum (10 feet) and average (25 feet) standard.
34. Wetland buffer monumentation will meet the Commission's requirements.
35. Wetland buffer vegetation establishment, including maintenance for two full growing seasons after planting, must be provided with the site plans.

Recommendation

Conditions for Approval

1. Final application escrow fee balance determination by the Commission administrator. Additional payment or refund of the fees will be determined when all conditions for approval are met.
2. The low floor elevation for Wetland 7 must be determined to meet the Commission's standards.
3. Wetland alteration must be approved by the LGU (Dayton) prior to impacts.
4. Wetland buffer vegetation establishment, including maintenance for two full growing seasons after planting, must be provided with the site plans.
5. Soil infiltration on basin 2NW must be determined with this basin designed according to infiltration volumes and discharges verified by the soil testing and MPCA design criteria.

Advisor to the Commission



James C. Kujawa
Surface Water Solutions

August 4, 2021
DATE

Attachments

- | | |
|----------|-------------------|
| Figure 1 | Project Location |
| Figure 2 | 2018 Aerial Map |
| Figure 3 | Site Map |
| Figure 4 | Existing Drainage |
| Figure 5 | Proposed Drainage |

Figure 1 Project Location

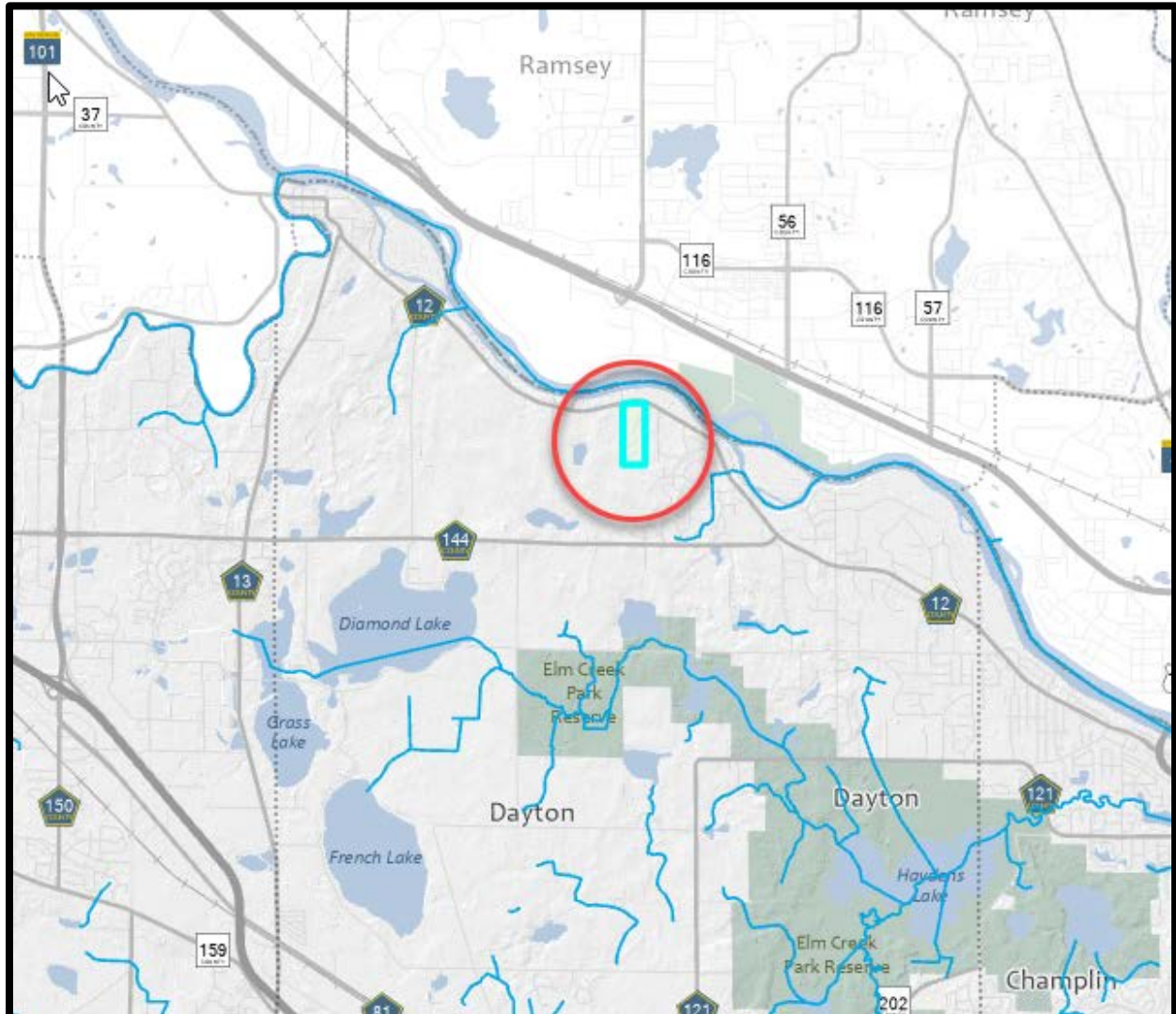


Figure 2 2018 Aerial Map



Figure 3 Site Plan



Figure 4 Existing Drainage

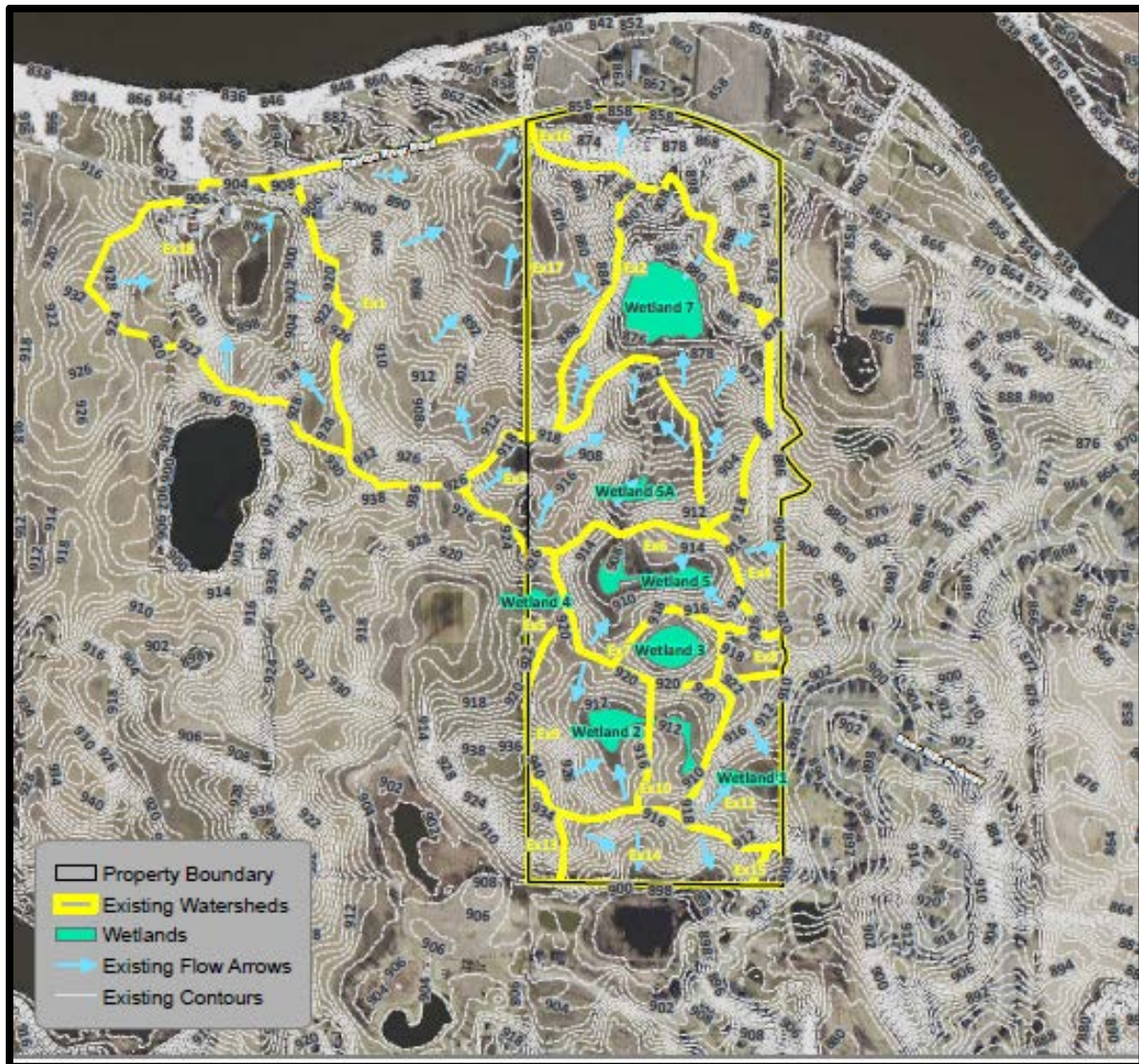
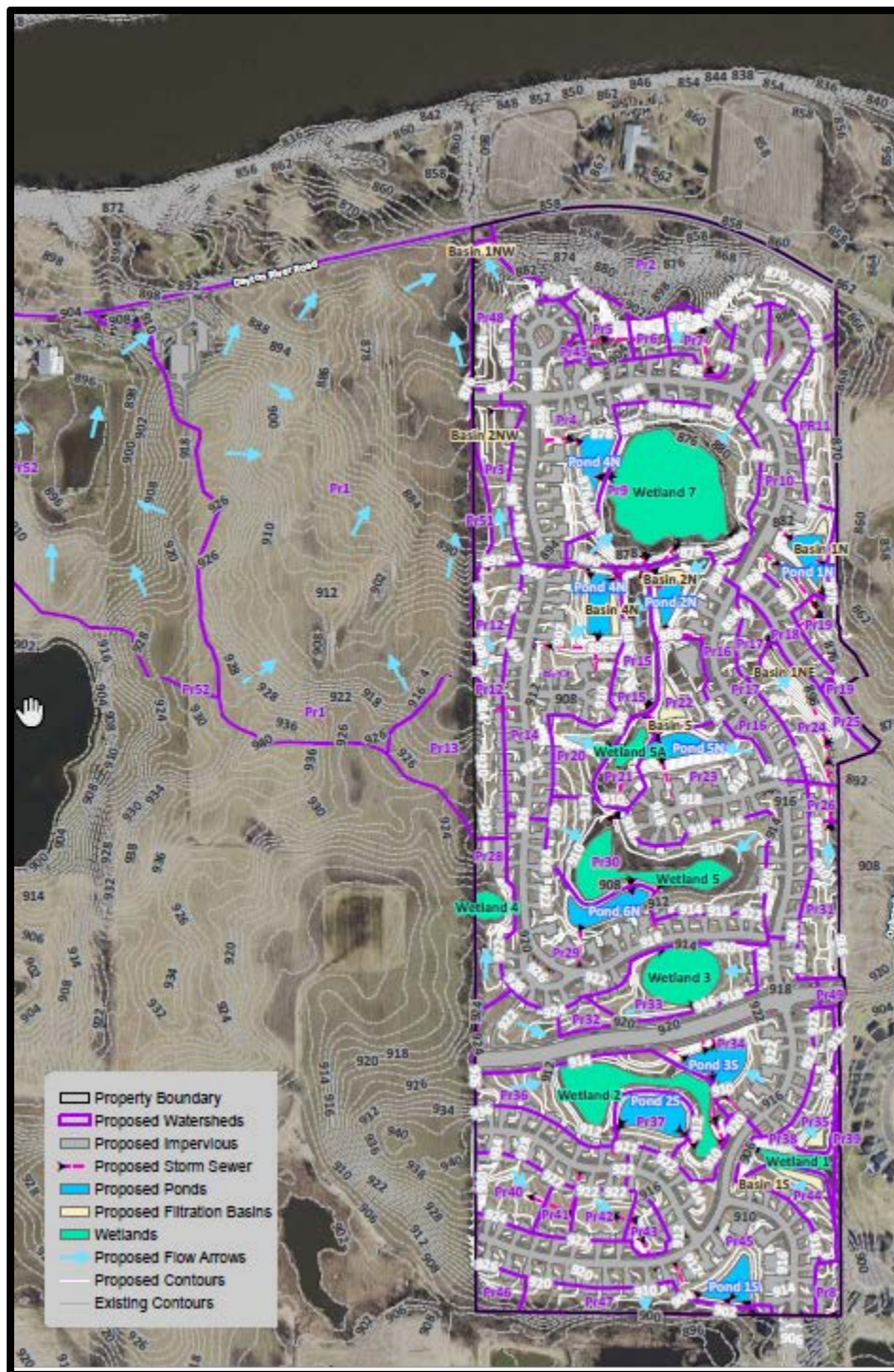


Figure 5 Proposed Drainage



DRAFT

**ELM CREEK WATERSHED MANAGEMENT COMMISSION
POLICY ON FUNDING INTERNAL LOAD REDUCTION PROJECTS**

I. PURPOSE

The Elm Creek Watershed Management Commission (Commission) desires to:

- 1) Minimize public capital expenditures needed to correct water quality problems; and
- 2) Identify and plan for means to effectively protect and improve surface water quality; and
- 3) Protect and enhance fish and wildlife habitat and water recreational facilities; and
- 4) Secure other benefits associated with property management of surface and groundwater.

With the advent of Total Maximum Daily Loads (TMDLs) as stipulated in the Clean Water Act and Municipal Separate Storm Sewer System (MS4) regulation by the Minnesota Pollution Control Agency, communities within the Elm Creek Watershed began to implement capital improvement projects to improve the water quality in lakes. The Commission has historically partnered with member communities, Hennepin County, the Three Rivers Park District, and others to provide funding for these projects and to meet TMDL requirements or remove lakes from the State of Minnesota Impaired Waters list.

MS4 regulation, however, extends to conveyances that discharge into “waters of the state” but not to “waters of the state”, therefore, the initial project focus was upstream of impaired or degraded lakes to reduce the amount of pollution draining to or being deposited into the lake. Analysis through regular reviews of TMDL progress or other studies has indicated projects upstream of impaired lakes may not be sufficient to achieve State mandated goals for lakes and that as pollution is reduced from the watershed the most cost-effective future projects may be within the lake itself and where MS4 regulation does not extend.

This policy on funding internal load reduction projects shall serve as the basis for consideration by the Commission of internal load reduction projects and partnership with member communities. Internal load reduction projects may include but are not limited to nutrient sequestration, fish management, and vegetation management strategies.

II. MINIMUM QUALIFYING CRITERIA FOR FUNDING INTERNAL LOAD REDUCTION PROJECTS*

- 1) Must be a lake identified as such in the watershed management plan.
- 2) The lake must be an impaired water and have an approved TMDL.
- 3) Applicant shall demonstrate progress toward improvements in the watershed such as stream restoration, regional ponding, or other.
- 4) Documentation must be provided that more than 50% of nutrient loading contributing to the impairment is coming from internal sources.
- 5) *The Commission’s Technical Advisory Committee (TAC) may use discretion to recommend approval for projects that do not meet the strict adherence to the minimum qualifying criteria.

III. FUNDING FOR INTERNAL LOAD REDUCTION PROJECTS

- 1) Funding shall be up to 100% the cost of the project and shall otherwise comply with Commission Capital Improvement Program policies and standards.

EFFECTIVE DATE: _____

POLICY HISTORY: _____ (Initial Approval)

_____ (Revision 1)

_____ (Revision 2)



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To: Elm Creek Commissioners
From: Judie Anderson
Date: August 4, 2021
Subject: Proposed Cost Share Programs

At the July 22, 2021, Technical Advisory Committee (TAC) meeting there was discussion regarding ways to fund small city projects that were on or proposed for the CIP. The members also discussed ways to fund Best Management Practices (BMPs) on private property if there was a positive impact on public waters, for example small projects to repair eroding streambanks contributing excess sediment and nutrients to a stream such as Elm Creek where the adjacent land is privately owned.

Municipal Cost Share

The Shingle Creek and West Mississippi WMOs have had for several years an ongoing City Cost Share Program in their respective CIPs. They each levy annually an amount (\$100,00 for Shingle Creek and \$50,000 for West Mississippi) to deposit into an account that can be used to share in the cost of small, voluntary load reduction projects. These are usually opportunistic projects associated with street or park projects that are unknown until the city begins to design the improvement, but others are small, stand-alone projects. BMPs must be above and beyond those required by the Commission's rules. Cities are eligible to receive cost share for 50% of the BMP cost up to \$50,000.

Both BWSR and Hennepin County support a City Cost Share Account approach, as long as the types of eligible uses and the process for evaluating and recommending projects are clearly spelled out. The benefits of this type of approach are:

1. It is more administratively efficient, as it eliminates a lot of smaller projects on the levy.
2. It is more flexible and responsive, as the TAC and Commission respond to a request very quickly.
3. It reduces the need for minor plan amendments to add smaller projects individually to the CIP.

Private Cost Share

The TAC also discussed recommending to the Commission that it consider a similar annual levy to help fund load reduction projects on private property. These cost share grants are available for up to 100% of the cost of voluntary, above and beyond BMPs, to a maximum of \$50,000. While to date most of these cost share projects have been on-site small BMPs, West Mississippi is initiating such a program specifically to work in partnership with the City of Brooklyn Park and Hennepin County to provide cost-share to private property owners experiencing severe streambank erosion on the Mississippi River.

Reducing this erosion and stabilizing streambanks is an implementation action called out specifically in the South Metro Mississippi Turbidity TMDL.

The TAC discussed the possibility of such a Partnership Cost Share program in Elm Creek that could be used to help fund, for example, small channel repair projects on Elm, Rush, and Diamond Creeks on parcels that are privately owned. Such projects could help address load reductions required in the stream TMDLs.

Applicants receiving cost share funding must execute an easement or some type of maintenance agreement with the City to assure that the BMPs are adequately maintained and they remain in place for at least 10 years. As with the City Cost Share program, there are specific guidelines for the program, and each application must be reviewed by the TAC and recommended to the Commission for further consideration and approval.

Action

At the July TAC meeting the members approved both the Municipal and Private Cost Share Guidelines and recommended them for approval by the Commission.

elm creek

Watershed Management Commission

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Partnership Cost-Share Program Guidelines on Municipal Property

The Elm Creek Watershed Management Commission will from time to time make funds available to its member cities to help fund the cost of Best Management Practices (BMPs) projects that cost less than \$100,000. The following are the guidelines for the award of cost-share grants from this program:

1. Projects must be for water quality improvement and must be for improvement above and beyond what would be required to meet Commission rules. Only the cost of “upsizing” a BMP above and beyond is eligible.
2. Priority is given to projects identified in a subwatershed assessment or TMDL.
3. Projects should cost less than \$100,000; projects costing more than \$100,000 should be submitted to the CIP. Projects cannot receive funding from both the CIP and the Cost-Share Program.
4. Commission will share in funding projects on a 1:1 basis.
5. The cost of land acquisition may be included as City match.
6. The minimum cost-share per project is \$10,000 and the maximum is \$50,000.
7. Projects must be reviewed by the Technical Advisory Committee (TAC) and recommended to the Commissions for funding.
8. The Commissions will call for projects in December of each year, with potential projects reviewed by the TAC at its end of January meeting.
9. Cost-share is on a reimbursable basis following completion of project.
10. The TAC has discretion on a case-by-case basis to consider and recommend to the Commissions projects that do not meet the letter of these guidelines, including projects submitted mid-year.
11. Unallocated funds will carry over from year to year and be maintained in a designated fund account.
12. The standard Commission/Member Cooperative Agreement will be executed prior to project construction.

Adopted _____ (Date)

**Elm Creek Watershed Management Commission
City Cost-Share Program Guidelines**

City:	
Contact Name:	
Contact Phone:	
Contact Email:	
Project Name:	
Year of Construction:	
Total Project Cost:	
Amount Requested:	
Project Location:	

1. Describe the BMP(s) proposed in your project. Describe the current condition and how the BMP(s) will reduce pollutant loading and/or runoff volume. Note the estimated annual load and volume reduction by parameter, if known, and how they were calculated. Attach figures showing project location and BMP details including drainage area to the BMP(s).

2. If this request is for cost share in “upsizing” a BMP, explain how the upsize cost and benefit were computed.

3. Show total project cost, amount of cost share requested, and the amount and source of matching funds.

4. What is the project schedule, when will work on the BMP(s) commence and when will work be complete?

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Partnership Cost-Share Program Guidelines on Private Property

The Elm Creek Watershed Management Commission will from time to time make funds available to its member cities to help fund the cost of Best Management Practices (BMPs) partnership projects with private landowners. The following are the guidelines for the award of cost-share grants from this program:

1. Projects on private property must be for water quality improvement and must be for improvement above and beyond what would be required to meet Commission rules. Only the incremental cost of “upsizing” a BMP above and beyond is eligible.
2. Priority is given to projects in a priority area identified in a subwatershed assessment or TMDL.
3. Commission funds may reimburse up to 100% of the cost of the qualifying BMP.
4. The minimum cost-share per project is \$10,000 and the maximum is \$50,000.
5. Projects must be reviewed by the Technical Advisory Committee (TAC) and recommended to the Commissions for funding.
6. Cost-share is on a reimbursable basis following completion of project.
7. The TAC has discretion on a case-by-case basis to consider and recommend to the Commissions projects that do not meet the letter of these guidelines.
8. Unallocated funds will carry over from year to year and be maintained in a designated fund account. Any balance in said account in excess of \$100,000 will be transferred to the City Cost Share Program Account.
9. The property owner must dedicate a public easement or equivalent sufficient to install and maintain the BMP.
10. The Member City must obtain a recordable maintenance agreement from the property owner that specifies maintenance requirements and schedule; authorizes the City to inspect the BMP and order maintenance and improvement; and authorizes the City to undertake ordered maintenance and improvement not completed by the property owner and assess the cost that work to the property.
11. The standard Commission/Member Cooperative Agreement will be executed prior to project construction.

Adopted _____ (Date)

**Elm Creek Watershed Management Commission
Partnership Cost-Share Program Guidelines
on Private Property**

City:	
Contact Name:	
Contact Phone:	
Contact Email:	
Project Name:	
Total Project Cost:	
Amount Requested:	
Project Location:	
Owner:	
Address:	
City, State, Zip:	
Phone:	
Email:	

1. Describe the BMP(s) proposed in your project. Describe the current condition and how the BMP(s) will reduce pollutant loading and/or runoff volume. Note the estimated annual load and volume reduction by parameter, if known, and how they were calculated. Attach figures showing project location and BMP details including drainage area to the BMP(s).

2. If this request is for cost share in “upsizing” a BMP, explain how the upsize cost and benefit were computed.

3. Show total project cost and the amount of cost share requested.

4. What is the project schedule, when will work on the BMP(s) commence and when will work be complete?

The member City must verify that a public easement (or equivalent) is dedicated and that an Operations and Maintenance Agreement has been executed and recorded prior to release of any funds.

elm creek Watershed Management Commission

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July 22, 2021

SAMPLE

Bret Weiss, WSB Associates
City Engineer
City of Rogers
22350 South Diamond Lake Road
Rogers, MN 55374

via email

Re: Project Review: 2021-016 Territorial Lofts

Dear Mr. Weiss:

At their meeting of July 14, 2021, the Elm Creek Watershed Management Commission reviewed the above-referenced project.

The City of Rogers is hereby notified that project 2021-016 has been approved by the Commission with two conditions. A copy of the engineer's report with findings and recommendations is enclosed. Be advised that the City of Rogers may have additional requirements prior to final approval of this project.

Should you have any questions, please contact the Commission's reviewing engineer, Ross Mullen, Wenck/Stantec Consultants, Inc., rmullen@wenck.com, (320) 309-3473.

Sincerely,



Judie A. Anderson
Administrator

JAA:tim

Encl: Project Review dated July 1, 2021, Rev.7/14/2021
Cc via email: Joe Radach, Carlson McCain
Kevin Jullie, Commissioner
Ross Mullen, Wenck/Stantec
Andrew Simmons, TAC
Project file



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To: Elm Creek Commissioners
From: Judie Anderson
Date: August 3, 2021
Subject: In-person Meetings

At our July meeting the Commission discussed returning to in-person meetings. There were some questions relating to the background for such a decision and the ability to conduct a hybrid meeting. I referenced the following text which was provided by the Shingle Creek/West Mississippi WMOs' attorney, Troy Gilchrist from the Kennedy & Graven law firm.

The Commission cannot bar people from attending in-person meetings if the chair decides to rescind the electronic meeting statement. The commission can say that people need to follow the CDC and state guidance of needing to wear a mask if they are not fully vaccinated. Though, of course, that amounts to no more than relying on those who have not been vaccinated to be honest and wear a mask. The commission can also encourage those members who have not been fully vaccinated to remote into the meeting, provided the technology can be set up to satisfy the requirements of the statute (Minn. Stat. 13D.02):

- (1) all members of the body participating in the meeting, wherever their physical location, can hear and see one another and can hear and see all discussion and testimony presented at any location at which at least one member is present;
- (2) members of the public present at the regular meeting location of the body can hear and see all discussion and testimony and all votes of members of the body;
- (3) at least one member of the body is physically present at the regular meeting location;
- (4) all votes are conducted by roll call so each member's vote on each issue can be identified and recorded; and
- (5) each location at which a member of the body is present is open and accessible to the public.

There is an exception to the last requirement that allows a member to participate from a non-public area 3 times in a calendar year.

The commission could look at moving into a hybrid meeting scenario under the statute mentioned above, but that would not prohibit those who have not been vaccinated from attending. We are being told those who are vaccinated are less likely to contract the virus, are not at significant risk of becoming seriously ill from the virus, and are very unlikely to

transfer the virus to someone else. To me, that means those who are not fully vaccinated that show up at meetings and other gatherings without a mask and without maintaining social distancing are putting themselves at risk – not so much creating a risk for those who have been vaccinated.

Consultants are not required to be in the room and are not subject to the restrictions listed above. Of course, it would be up to them to determine if they can do their job effectively remotely and if there is sufficient technology on site to allow them to hear the discussion.

There is some flexibility around continuing to have some members remote in (but likely only three times unless they go to a public place).

Follow-up from Troy on August 3:

The rise of the variant is raising questions about whether to go back to electronic meetings. At this point I am not sure how that is going to play out, but I just spoke to a city this afternoon that is thinking about going back to electronic meetings.

So the memo is correct, but it is more of an issue for the presiding officer to decide, based on the health pandemic, whether it is prudent to go back to (or stay in) electronic meetings. As you know, I have been saying we need to get back into in-person meetings, but I don't know what the trend will be at this point. The Dept of Health is apparently encouraging local mask mandates, but I have not heard anything about distancing or closing anything down. So I don't know if that is enough to justify electronic meetings at this point. I think we will know more in a week or so.

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Presiding Officer Statement to Return to In-Person Meetings

As the Presiding Officer for the Elm Creek Watershed Management Commission (the "Commission"), I find as follows:

- a. As a result of the federal, state, and local declarations of emergency due to the COVID-19 pandemic the meetings of the Commission and the Technical Advisory Committee have been conducted by telephone or other electronic means in a manner satisfying the requirements of Minnesota Statutes, section 13D.02 1.
- b. This decision was based on findings that it was not practical or prudent, and that was not feasible to require any members or staff to be present in the meeting room during the meetings and the public was prohibited from being in the meeting room.
- c. The Governor has repealed the state's peacetime emergency declaration sooner than was anticipated and with little advanced notice to local governments.
- d. Despite the repeal of the emergency declaration, the state has not declared an end to the health pandemic.
- e. The number of new cases and deaths have dropped significantly, but the Delta Variant possess an increasing risk to those who are not fully vaccinated.
- f. The spread of the new variant will need to be monitored, but for now the Commissions will soon be in a position where it will once again be practical and prudent to allow members and staff to return to in-person meetings and arrangements are being made to secure a meeting room.

Based on the above findings, I hereby determine and state as follows:

1. Effective as of 11:59 p.m. on August 31, 2021, meetings of the Commissions and the Technical Advisory Committee shall return to in-person meetings.

Dated this eleventh day of August 2021.

Doug Baines, Chair



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To: Elm Creek Commissioners
From: Judie Anderson
Date: August 4, 2021
Subject: 2021 Capital Improvement Program

I. A Minor Plan Amendment revising the 2021 CIP was approved at the Commission's June 9, 2021, meeting. The Commission subsequently established proposed maximum levies for the 2021 Capital Improvement Program (CIP) as follows:

Project 2021-01:	Elm Road Area/Everest Lane Stream Restoration
Location:	Maple Grove
Project Description:	Stream restoration along 800 LF of intermittent stream to reduce sediment and nutrient release to Elm Creek, reducing Ph and TSS loading by 15 lbs./year and 15 tons/year, respectively, and improving DO and habitat for fish and invertebrates.
Proposed Levy:	\$132,563.
Project 2021-02:	Elm Creek Stream Restoration Phase V Hayden Lake Outfall
Location:	Champlin
Project Description:	Includes 3,800 LF of stream bank restoration located upgradient of the Mill Ponds. Proposed construction will improve impaired water with low DO, restoring the stream banks and providing habitat structure.
Proposed Levy:	\$159,075.

II. Feasibility studies have been received, reviewed, and accepted by the Technical Advisory Committee (TAC).

III. Chairman Doug Baines attended the July 27 Hennepin County Board committee meeting to represent the Commission. At that time the Commission's maximum levy request was approved.

IV. The final step in the CIP process is to hold a public hearing on the proposed projects. This should occur at the Commission's regular September 9, 2021, meeting. At that time the Commission will formally order the projects, certify the levy to Hennepin County, and authorize the execution of cooperative agreements with the lead cities to contract the ordered projects.

V. **Action.** Call for a public hearing to be held during the Commission's September regular meeting.

elm creek Watershed Management Commission

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TECHNICAL SUPPORT
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Joe J. Wain | JWain@barr.com

STAFF REPORT August 4, 2021

- a. 2017-050W Ernie Mayers Wetland/floodplain violation, Corcoran.** The City of Corcoran contacted the Commission in December 2017 concerning drainage complaints on Mayers' property. Technical Evaluation Panels (TEPs) were held in 2017 and 2018 to assess the nature and extent of the violations and a restoration order was issued to Mayers. On October 30, 2018, an appeal of the restoration order was received by the Board of Water and Soil Resources. BWSR placed an order of abeyance (stay) on the appeal looking for a resolution between the LGU and Mayers. On January 6, 2021, BWSR received an email from Corcoran that the LGU and Mayers were working towards resolving the restoration order. BWSR gave the City and Mayers until April 5, 2021 to seek an informal resolution or furnish a complete copy of the record to them. *A TEP was held July 26, 2021 to discuss a draft settlement agreement between BWSR and Mayers. Commission staff (Kujawa) disagreed with the settlement and requested options available for an appeal or further resolutions for the agreement to meet the intent of the WCA/ECWMC/LGU rules and original restoration order.*
- b. 2018-020 North 101 Storage, Rogers.** This is an existing 3-acre lot in the northwest corner of Highway 101 and CR144. The current land use is a combination of mini-storage units and outdoor storage. The site is proposed for complete demolition and construction of seven new mini-storage buildings. At their July meeting the Commission approved Staff findings dated July 9, 2018, pending four items relating to abstraction requirements and the infiltration system. The applicant requested and was granted an extension to *December 31, 2021*, provided the review process with the City of Rogers does not expire.
- c. 2021-009 Palisades at Nottingham 3rd Addition, Maple Grove.** This is a 5-acre project located east of Zanzibar Lane approximately 400 feet north of the intersection with Nottingham Parkway. The applicant is proposing to develop the site into seven single-family residential lots. The site drains east into the Elm Creek basin. This work will disturb 3.5 acres and create 1.45 acres of new impervious area. At their April 2021 meeting, the Commission approved this project conditioned upon final wetland replacement plan submittal, review by permitting agencies, and approval by the LGU prior to impacts. *A notice of the wetland approval decision was issued by the LGU on July 21, 2021. This item will be removed from the report.*
- d. 2021-010 Gleason Field, Maple Grove.** This is an existing 45-acre city park located between Brockton (CR 101) and Vagabond Lanes at 67th Avenue. The City Parks Department is proposing to convert existing grass play fields into four artificial turf baseball/softball fields. The project also involves expanding an existing parking area, adding four park buildings, and playground amenities to the park. This work will disturb 23.5 acres and create 2.9 acres of new impervious areas. *This project was approved by the Commission at their May 2021 meeting. Pending escrow review, this project will be removed from the report.*
- e. 2021-012 The Oaks at Bauer Farm, Champlin.** This is a 47-acre agricultural property that is proposed to be developed into 99 single-family residential homes. The site, located north of French Lake Road on the border with Dayton, will create 13.3 acres of new impervious surface. The project triggers Rules D, E, and I. The applicant demonstrates onsite rate control for discharge to the west, south, and north and is using a regional stormwater management basin to discharge to the east. The

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project was **approved** at the May 2021 meeting contingent that the applicant incorporates revisions from the city's engineering department and continues to demonstrate compliance with Commission rules. *On July 22, 2021, Staff followed up with the City Engineer who indicated the design did not change in a way that would merit an additional review by the Commission. This item will be removed from the report pending escrow review.*

f. 2021-013 Rush Creek Reserve, Corcoran. This is a 91-acre site located along the north side of CR10, across from the Corcoran Community Park. The applicant is proposing to create a residential subdivision including 66 townhomes and 177 single-family units with 24.2 acres of new impervious area. The existing area is agricultural with 58 acres of cropland and 33 acres of wetlands/wooded areas. In their findings dated June 12, 2012, and updated July 14, 2021, Staff recommends approval with the following conditions (1) payment of all review fees; (2) City of Corcoran/TEP approval of the Wetland Mitigation Plan and the *City maintains a drainage and utility easement for existing and proposed on-site wetlands*; and (3) the applicant's provision of a Stormwater Maintenance Agreement acceptable to the City and the Commission within 90 days after the plat is recorded. The project was approved at the July meeting with these contingencies.

g. 2021-014 Elm Creek Stream Restoration Phase IV, Champlin. This is a continuation of stream restoration work within Elm Creek. The project includes approximately 5,300 linear feet of stream bank restoration starting at Elm Creek Xing bridge and extending downstream. The work will stabilize the toe of banks, restore and enhance habitat, increase flood storage and improve water quality. *At their May 2021 meeting the Commission approved this project pending escrow review. This project will be removed from the report.*

h. 2021-015 66th Avenue/Gleason Parkway, Corcoran. Reconstruction of 66th Avenue from a two-lane gravel road into a two-lane paved road with trails on both sides. Turn lanes will be added to CR 116 at the intersection with 66th Avenue. This corridor work between Gleason Parkway and CR 116. will increase accessibility between CR 101 and CR 116 into the Ravinia and future Tavera developments. *At their June 2021 meeting the Commission approved this project with the following conditions. 1) no wetland impacts can occur prior to MN WCA, LGU and Commission requirements being met, and 2) receipt/refund of final review fee balance.*

i. 2021-016 Territorial Lofts, Rogers. This is a 5.39-acre site on Territorial Road, adjacent to the Laurel Creek development. The project would construct a 75-unit apartment building, underground parking, a detached garage, maintenance facilities, and access road, creating 2.397 acres of total impervious (1.86 acres of which is net new impervious) and disturbing 5.2 acres. The existing site is two single-family residential homes. The site proposes to use stormwater reuse with an irrigation system to meet abstraction requirements, due to low infiltration capacity soils. The project is being reviewed for Rules D, E, G, and I. *Staff recommends approval contingent upon receipt of any outstanding project review fees and a stormwater maintenance agreement being put in place between the owner and the city with terms acceptable to the Commission.*

j. 2021-017 The Park Group Building, Rogers. This is a 3.0-acre site on Northdale Boulevard, northwest of the intersection of MN Highway 101 and 141st Avenue North. The project would construct a new warehouse, access drive, loading docks, and a new parking on an undeveloped site. The project would disturb 2.79 acres and create 1.73 acres of new impervious surface. The project triggers Rules D and E. The project was approved at the May 2021 meeting pending escrow review. *The applicant subsequently revised the plans to include six additional parking spaces (approximately 1000 SF of additional impervious), which Staff administratively approved based on continued compliance with Rules D and E. This item will be removed to the recordation section.*

Commented [RSM1]: Judie- Please remove from the report as necessary.

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k. 2021-019 Kwik Trip, Dayton. This project is located in the northeast corner of County Roads 81 and 113. The applicant is proposing to subdivide this 8.2-acre parcel into one, 2-acre lot, three outlots (4.3 acres) and a street (1.8 acres) entering from CR 81. An existing regional storm pond is on the east property line. The project will remove the existing store/gas station and its access roads, create the new access road, and construct the Kwik Trip station on the easterly most two acres of the site. Existing stormwater ponds will be utilized for stormwater management. This work will disturb 8.3 acres. The site design for the Kwik Trip project, the new street, and the future impervious areas for the proposed outlots meet the design criteria the regional pond was approved for by the Commission in project 2017-022. Erosion and sediment controls were administratively approved by technical staff. No other actions are necessary on this project. *It will be removed from the report pending administrative escrow review.*

l. 2021-020 Crew Carwash, Maple Grove. This project would reconstruct an existing bank building and parking lot on a 1.80-acre parcel into a carwash. The site is located southwest of the intersection of Weaver Lake Road and Elm Creek Boulevard with access from Grove Drive. The disturbance is 1.52 acres, the existing impervious is 1.07 acres, and the proposed impervious is 1.17 acres. Runoff from this site flows into a regional pond on Arbor Lakes Parkway, which ultimately discharges to Rice Lake. The City has stated that the regional pond meets rate control and water quality treatment for the site. The applicant is proposing to use soil amendments to meet the Commission's volume rules. *The Commission approved the project at its June meeting contingent upon all escrow project review fees being paid and a stormwater maintenance agreement being put in place between the owner and the city with terms acceptable to the Commission.*

m. 2021-021 Territorial Triangle, Dayton. This site is in the easterly triangle Territorial Road and CR 81 intersection near the border of Dayton and Maple Grove. Rush Creek flows west to east, near the ROW of CR 81 along the south lot line on this property. The applicant is proposing to subdivide the 14[±]-acre parcel into 30 rowhome units and 56 townhome units. Two ponding basins are proposed for stormwater management. This work will disturb approximately 10 acres and create 5.7 acres of new impervious areas. *Staff recommends approval of the findings report dated July 22, 2021, contingent upon (a) final application escrow fee balance determination by the Commission administrator. Additional payment or refund of the fees will be determined when all conditions for approval are met and (b) The applicant shall provide a Stormwater Maintenance Agreement for the irrigation system that is acceptable to the city and the ECWMC within 90 days after the plat is recorded. Note: Staff administratively approved grading and erosion plans in their findings report, contingent upon the applicant; (1) receiving grading approvals from the City of Dayton and (2) accepting responsibility for any changes required for final approval by the Commission.*

n. 2021-022 Rogers High School Batting Cages and Trail Improvements, Rogers. This project is for improvements to existing batting cages and replacement of an existing trail. The work will disturb 1.55 acres and create 0.09 acres of new impervious surface. Stormwater management is provided by the existing on-site infiltration basin in the northeast corner of the site. The project is being reviewed for Rules D and E. *The project is being reviewed for Rules D and E. No recommendation is available for the Commission at this time. The applicant is working on revisions requested by Staff. Updated findings and recommendations will be provided to the Commission if available.*

o. 2021-023 Maple Grove MOB, Maple Grove. This project is for the construction of a Medical Office Building and associated parking on an undeveloped parcel. The site located on the southeastern corner of the intersection of 105th Avenue North and Niagara Lane, immediately north of the Highway 610 and Maple Grove Parkway interchange. The project is being reviewed for Rules D and E. *No recommendation is available for the Commission at this time. The applicant is working on revisions requested by Staff.*

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p. 2021-024 Riverwalk, Dayton This site is south of CR 12 (Dayton River Road) and west of River Hills Parkway approximately ¼ mile north of CR 144 (Diamond Lake Road). The applicant proposes to construct a new single family residential subdivision with 242 lots including one amenity lot and a city well site. Site development will include removal of an existing home site, grading 94 acres, and installation of municipal sewer and water, streets, and stormwater systems. Staff is completing the plan review at the time of this update and will provide their findings and recommendations in the final agenda packet.

q. 2021-025 Hackamore Road Reconstruction, Corcoran/Medina.

r. 2021-026 Prairie Creek, Medina. This proposed development will consist of a new 17 lot single-family development encompassing approximately 6.72 acres located on Hamel Road at Elm Creek Drive. There will also be a new private street, concrete walks, and utilities. A complete application was received too late for our review at the August Commission meeting. Staff's review and recommendations are expected at the September Commission meeting.

FINAL RECORDINGS OR OTHER DOCUMENTATION/FOLLOW-UP ARE DUE ON THE FOLLOWING PROJECTS:

ah. 2014-015 Rogers Drive Extension, Rogers. This project involves improvements along Rogers Drive from Vevea Lane to Brockton Lane. The project is located east of I-94, south of the Cabela development. The total project area is 8.0 acres; proposed impervious surfaces total 5.6 acres. Site plans received July 1, 2014 met the requirements of the Commission with the exception of the nutrient control. The Commission approved the site plan contingent upon the City deferring 4.6 lbs. of phosphorus for treatment in future ponding opportunities as the easterly corridor of Rogers Drive develops. 2.3 lbs. will be accounted for in the Kinghorn Spec. Building site plan, with 2.3 lbs. still outstanding. This item will remain on the report until the total deferral is accounted for.

ai. 2015-030 Kiddiegarten Child Care Center, Maple Grove. Approved December 9, 2015. If the City does not take over the operation and maintenance of the underground system and the sump catch basins, an O&M agreement for the underground trench/pond system must be approved by the Commission and the City and recorded with the title. On February 5, 2019 Derek Asche contacted the owner requesting a copy of the recorded maintenance agreement. No update was available on July 2, 2019.

aj. 2016-005W Ravinia Wetland Replacement Plan, Corcoran. In December 2016, the Commission approved Staff's recommendations on this wetland replacement plan. Final wetland impacts are 1.22 acres. Wetland credits created on site will be 4.01 acres. Excess credits of 0.75 acres are proposed to be used on Lennar's Laurel Creek development in Rogers (2017-014). All approval contingencies have been met and construction is completed. Vegetation planting and management took place throughout 2017. Barr Engineering is providing monitoring to ensure the replacement meets the performance standards of the approved plans. Annual reports have been submitted to the US Army Corps of Engineers (USACE) in February 2019, February 2020, and March 2021. *Monitoring status as of March 2021: Wetlands and buffers are looking good but will need continued vegetation management in 2021 to get rid of invasive species (mostly cattail). Hydrology is good in both the restoration and creation areas.*

ak. 2017-014 Laurel Creek, Rogers. In June 2017, the Commission approved this project with four conditions. All contingency items have been provided with the exception of the O&M agreement which is being negotiated by the City as to whether the City or the HOA will be responsible for the operation and maintenance of the stormwater management facility. On August 31, 2017, Andrew Simmons responded that the O&M agreement is still being negotiated.

al. 2017-029 Brayburn Trails, Dayton. At their August 2017 meeting the Commission approved Staff's findings dated August 2, 2017 with five conditions. All of the conditions have been met except for the final recordings of the O&M agreements and easements. On March 7, 2018, the City reported: final plat approval has not been granted, easements will be recorded as plats are approved. Ponds will be maintained by the City of Dayton. An agreement, and additional easement, will be required for a water re-use system within one of the ponds (between the City and HOA). This system is not part of the first addition – the timing of said improvements/agreement is unknown. Construction had been expected to start in 2018.

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On February 7, 2019, Jason Quisberg provided the following information: The 1st Addition was scaled back from what was proposed; associated construction activity is significantly completed. Extension of trunk utilities through Staff Sundance Golf Course are complete. The proposed 2nd Addition is under review. Improvements to 117th Avenue (East French Lake Road to Fernbrook Lane) will be part of the work done with the 2nd Addition. Construction is anticipated to start spring 2019. Pond easements are being recorded with the platting process for each addition (those [that are] part of the 1st Addition are in place). The water re-use system is not part of the 2nd Addition (will be with future additions).

On March 4, 2021 Nico Cantarero reported that Brayburn Trails is continuing to construct homes. The development is through their 6th addition with approximately 2/3 of the development final platted. 117th Avenue improvements have been constructed and the development continues to build infrastructure and homes.

am. 2018-046 Graco Expansion, Rogers. This project is the expansion of an existing building. The site is located in an area that has regional ponding provided for rate control purposes, but needs to account for water quality and abstraction requirements on site prior to discharging offsite as part of the improvements. The Commission granted conditional approval at their October 2018 meeting. Conditions of approval were to (1) submit a SWPPP plan meeting requirements, (2) clarify maintenance responsibilities for the iron enhanced sand filter, and (3) a letter from the City of Rogers stating their intentions to provide the water quality deficit in an upcoming project. Staff confirmed several minor plan revisions remain in conformance with the original approval. This item will remain on the Staff report until such time as the water quality deficit has been made up.

an. 2018-048 Faithbrook Church, Phase 2, Dayton. This is an application for review of an expansion of an existing church located northeast of the intersection of Fernbrook Lane and Elm Creek Road. The Commission approved this project at their November 2018 meeting conditioned upon receipt of a SWPPP meeting NPDES requirements and the City accepting maintenance responsibility or recording a modified O&M plan for the stormwater features on the site in a form acceptable to the Commission. On February 7, 2019, Jason Quisberg reported that this project has gone idle; it is believed to be due to funding needs of the applicant. It was expected activity would resume in Spring 2019. On March 4, 2021 Nico Cantarero reported that the outlet to the church has been constructed. The church still has plans for a Phase 2 expansion, but it has not been initiated to date.

ao. 2019-002 Parkside Villas, Champlin. This is two adjacent rural parcels totaling 13.9 acres that are proposed to be split into 56 single-family residential lots. It is located on the east side of Goose Lake Road just south of its intersection with Elm Road (CR 202). The review is for compliance with Commission Rules D and E. At their February 2019 meeting the Commissioners approved Staff's findings dated January 29, 2019, contingent on (1) a long term O&M agreement on the stormwater basin and irrigation system being provided and recorded on the property title and (2) the applicant working with the City and Three Rivers Park District to safely outlet the pond water below the trail system adjacent to the property line.

ap. 2019-021 Brenly Meadows, Rogers. This is a 38-unit townhome project proposed on 6.9 acres north of 129th Avenue about one-third mile west of Main Street. It triggered the Commission's review for Rules D, and E. This item was approved by the Commission at their August 2019 meeting, contingent upon O & M plan requirements for the stormwater pond and irrigation system.

aq. 2019-026 Interstate Power Systems, Rogers. This is a 10-acre site to construct a 1-acre building for a mechanical shop and 6 acres of parking and driveways along County Road 81. It triggered review of Rule D, E, G, and I. This item was approved by the Commission at their November 2019 meeting, contingent upon documentation of existing conditions pollutant loading and a recorded O&M plan for onsite BMPs. The applicant provided the pollutant loading data in November 2019. Commission is still waiting on the O&M plan as of April 2021.

ar 2019-027 Havenwood at Maple Grove. This is a 5.6-acre site located at the northwest intersection of Bass Lake Road (CR10) and Troy Lane (CR101). The site is proposed to be subdivided into two lots. The southerly lot will be 4.5-acres with a 150-unit senior living facility. The remaining outlot (~1.3 acres) is anticipated to be a daycare facility. In their findings dated October 17, 2019, Staff recommended approval contingent upon the irrigation pond and system having an operation and maintenance plan approved by the City and Commission and recorded on the title for this property. A copy of the recorded document must be provided to the Commission.

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as. 2019-032 OSI Expansion, Medina. This is an existing business located in the northwest corner of Highway 55 and Arrowhead Drive. The applicant is proposing to build an addition on the south side of the building and add parking to the north side of the site, creating an additional 3.6 acres of new impervious area. In their findings dated February 4, 2020, Staff recommended approval contingent upon receipt of O&M plans on the stormwater facilities that meet the Commission's requirements. Dusty Finke reported on March 4, 2020, that recordation of the O&M plans is still pending.

at. 2020-001 Outlot L, Markets at Rush Creek, Maple Grove. Outlot L is a 1.55-acre lot located in The Markets at Rush Creek (Hy-Vee South) PUD development. This project is located just west of the Hy-Vee gas station and south of CR10. A 12,000 SF multi-tenant building and associated parking is proposed for this site. Stormwater management for this lot is part of the regional stormwater system approved by the Commission for project 2016-002. Commission rules require compliance with Rules D and E. On January 23, 2020, Staff administratively approved this project contingent upon receipt of a dated and signed set of final development stage plans. Signed and dated plans were received in December 2020. The project approval is good until December 31, 2021.

au. 2020-008 Lone Gardens, Dayton. This project is located at the northwest intersection of CSAH 144 (Diamond Lake North) and 12 (Dayton River Road). The site consists of three agricultural properties totaling 48.29 acres. 112 new single-family residential lots creating 16.84 acres of new impervious surface area are proposed for this development. The Commission's review was for compliance with Rules D, E, G, and I. At their October 2020 meeting the Commission approved Phase I grading on the north 14-acre area conditioned that: a) the applicant accepts any and all risks for any changes required to obtain final approval by the Commission and b) that the City of Dayton grants approvals for said grading, and to deny the remainder of the application unless the applicant extends the review deadline beyond the current October 21, 2020 deadline. The applicant extended the deadline to November 30, 2020. Updated site plans received November 16, 2020 met the contingencies of the Commission approval with the exception of the post development infiltration basin percolation test requirements. At their December meeting the Commission approved the updated plans contingent upon post-development percolation tests being provided on infiltration basins to demonstrate the constructed infiltration rate meets or exceeds the design infiltration rates.

On March 4, 2021 Nico Cantarero reported that Lone Gardens constructed their 1st addition of approximately 30 homes along the northern portion of the site. The developer has indicated plans to grade the remainder of the site and construct the 2nd addition of the development in 2021 which would include the second access to the site onto North Diamond Lake Road.

av. 2020-009 Stetler Barn, Medina. This site disturbs approximately 3.5 acres and must meet Commission Rules D, E, and I. Because of the limited available space for pasture, paddocks and land application of manure, understanding how these components will be managed is also an important part of the review. A complete plan was received on April 22, 2020. At their May 13, 2020 meeting the Commission approved this project contingent upon: 1) The landowner continuing to work with the U of M Extension Office and Hennepin County Rural Conservationist to finalize composting, pasture and paddock management plans and 2) A long-term pond/basin operation and maintenance plan and agreement with the City of Medina being approved by the City of Medina and the Commission. The agreement must be recorded on the land title with a copy of the recorded agreement provided to the Commission.

aw. 2020-017 Meadow View Townhomes, Medina. This is a 22-acre site located south of Meander Road and north of Highway 55. Lennar Homes is proposing to build 125 townhomes with their necessary infrastructure on this site. A complete application was received May 29, 2020. The plans call for 7.64 acres of new impervious areas. The Commission's review was for conformance to Rules D, E, F, G, and I. At their October meeting, the Commission approved Staff's finding dated September 30, 2020, contingent upon (1) The mean (average) depth on the west wet-detention pond must be 4.0' or deeper; (2) Buffer strip monumentation and vegetation maintenance plans must conform to the Commission's requirements; (3) An operation and maintenance agreement of the stormwater ponds and irrigation system must be approved by the City and the Commission. Said agreement must be recorded on the property title with a copy of the recorded document provided to the Commission; and (4) Erosion and sediment controls must conform to Commission requirements. Since the approval, the City of Medina has requested the applicant provide abstraction by irrigation only, thus eliminating one filter basin. Staff reviewed the changes and found the updates to be in

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compliance with the Commission's original approvals for stormwater management and administratively approved the plans contingent upon item (3) above and added the condition that design information on the irrigation pump and augmentation water source must be provided within six months of this approval.

ax. 2020-023 Ziegler, Dayton. This is an existing 4.73-acre commercial parcel located on Territorial Road near Holly Lane close to the Maple Grove/Dayton border. Currently the property consists of a building with bituminous drive and parking areas and a large gravel storage yard. The applicant is proposing to utilize the existing building, construct an additional commercial building, expand the bituminous parking lot, and add gravel lots for merchandise display and storage, triggering Commission rules D, E, G, and I. The Commission approved this project at their August 2020 meeting contingent upon wetland permitting being obtained and an Operation & Maintenance agreement being recorded on the land title. The wetland permit has been approved, but the O&M plan has yet to be received. On March 4, 2021, Nico Cantarero reported that Ziegler plans to construct their site improvements in 2021.

ay. 2020-025 Paulsen Farms, Corcoran. This is an 88-acre parcel located south of CR30 and east of Bechtold Road. Twenty (20) single family rural residential lots with 5.2 acres of new impervious areas are proposed on this site. This project triggered Rules D, E, and I. At their October 2020 meeting the Commission approved Staff's findings dated September 23, 2020 contingent upon: (1) rate control at culvert #3 must be equal to or less than pre-development rates for all storm events; (2) buffer strip monumentation conforms to the Commission's requirements; and (3) an operation and maintenance agreement must be created and approved by the City and the Commission. Said agreement must be recorded on the property title with a copy of the recorded document provided to the Commission. This project has been put on hold by the applicant. They have been informed that the approval expires October 14, 2021. *On July 21, 2021, Kevin Mattson responded, no updates.*

az. 2020-027 Kariniemi Addition, Corcoran. This is a 12.7-acre parcel located on Lot 3, Block 1 of the Rolling Hills Acres subdivision (ECWMC Project 2019-030) about a mile north of Highway. 55 on the east side of Rolling Hills Road. The applicant proposes to create three lots with a shared driveway for access along the northerly portion of the property. Project work will disturb 2.6 acres and create 0.83 acres of new impervious areas. This project was approved by the Commission at their September 2020 meeting pending receipt of O & M plans. *The O&M Agreement was received in the Administrative Office on July 21, 2021. This item will be removed from the report.*

ba. 2020-032 Enclave Rogers – Commerce Boulevard., Rogers. This project would create an apartment complex on a 3.3-acre site. The existing condition is undeveloped. The project will disturb the entire site and create 2.15 acres of impervious surface. The applicant is proposing an iron enhanced sand filter to meet Total Phosphorus removal requirements. The site is within two of the three outlots created as part of the adjacent former Lowe's development. The application was reviewed for Rules D and E. Staff granted administrative approval for grading contingent on applicant accepting risk for changes required for final approval and on approval from the City for grading activities. In their findings dated December 2, 2020, Staff recommended approval with those conditions, as well as submission of an O&M agreement for stormwater features, minor updates to the hydrology report, and minor updates to the SWPPP. The Commission approved Staff recommendations at their December 9, 2020, meeting.

bb. 2020-033 Weston Woods, Medina. This project would create 150 residential units on a 135-acre undeveloped site. The project will disturb 49.2 acres and create 17.49 acres of impervious area. The Commission approved this project at their March 2021 meeting with four contingencies: a) Wetland replacement plans must be approved by the City of Medina (LGU), MN DNR and USACE prior to impacts, b) Provide quantification of the change in flood storage capacity for the one-percent annual chance flood event due to the proposed project, c) Provide documentation that changes in flood elevation and loss of floodplain storage have been avoided, minimized, and/or mitigated to the extent practicable. Demonstrate that changes in flood elevation will not cause high water or aggravate flooding on other land and, d) An O&M agreement for stormwater facilities, including irrigation pumping system components and augmentation wells system, must be approved by the City and the Commission and recorded within 90-days after final plat approval on the title to this property. A copy of the recorded agreements must be provided to the Commission.

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bc. 2020-036 Balsam Pointe, Dayton. This project would create 98 residential units on a 10-acre site near the intersection of Dimond Lake Road South and Dayton Road. The existing condition is undeveloped. The project will disturb the entire site and create 5.3 acres of new impervious. The application is being reviewed for Rules D and E. The Commission approved Staff's recommendations at their January 13, 2021 meeting contingent upon an O&M agreement meeting the Commission's standards being recorded on the land title.

bd. 2021-007 Birchwood 2nd Addition, Rogers. This project is east of CR13 (Brockton Lane) approximately 1/2 mile south of the intersection of CR 144 (141st Avenue North) and CR13. The applicant is proposing to develop the site into 30 single-family residential lots. The site drains south and east into Grass Lake. This work will disturb 10 acres and create 4.0 acres of new impervious area. At their April 2021 meeting the Commission approved this project contingent upon the final SWPPP being submitted prior to grading and receipt of any outstanding project review fees.

THIRD PARTY HUC-8 MODEL REVIEW

Member cities have noted significant differences between the flood elevations in their community hydrologic and hydraulic (XPSMWM) models and those included in the Elm Creek Floodplain Modeling and Mapping HUC-8 study.

Wenck/Stantec drafted a summary table that compares the approximately 80 hydraulic structures modeled in the HUC-8 study based on assumptions with information aggregated from utility datasets and the State Aid Bridge Information Tool (developed by MNDOT to assist local State Aid agencies by displaying bridge [and culvert] information on an internet-based map). Wenck/Stantec staff have contacted members of the TAC to request available information about the remaining hydraulic structures and will issue a report after the MNDNR has scheduled the Flood Risk Review Meeting to provide cities as much time as possible to respond to the data request.

See the enclosed email for an update.

RULE D - STORMWATER MANAGEMENT
RULE E - EROSION AND SEDIMENT CONTROL
RULE F - FLOODPLAIN ALTERATION

RULE G - WETLAND ALTERATION
RULE H - BRIDGE AND CULVERT CROSSINGS
RULE I - BUFFERS

Italics indicates new information

indicates enclosure

CHAMPLIN • CORCORAN • DAYTON • MAPLE GROVE • MEDINA • PLYMOUTH • ROGERS

From: Ross S. Mullen <rmullen@wenck.com>
Sent: Thursday, August 5, 2021 7:43 AM
To: Judie Anderson <Judie@jass.biz>
Cc: Ross S. Mullen <rmullen@wenck.com>
Subject: RE: Minnesota Department of Natural Resources Daily Digest Bulletin

Judie,

I think this would be a good time to remind the communities that this is their opportunity to help ensure that the future FEMA maps accurately reflect the flood risk in their communities. Earlier this summer, the Commission authorized a \$4,800 review of the preliminary floodplain and we asked the member communities to submit their best available culvert and bridge data to us to compare it to the assumptions used in the model.

Depending on the exact scheduling date for the Flood Risk Review meeting with the DNR, the communities likely have around 2 months from now to provide their information to us. **Would you please remind the appropriate communities of their chance to participate?**

We haven't received any info from these Elm Creek communities:

- Rogers—When I spoke to Andrew Simmons, he wasn't sure if they were going to contribute anything or not
- Dayton—Similar to Rogers, I spoke with Jason Quisberg, he wasn't sure if they were going to contribute anything or not
- Champlin
- Medina
- Corcoran—I've heard they are currently surveying and plan to send me the data soon

We have received data from:

- Maple Grove
- Plymouth

Ross Mullen, PE (MN), CFM

Water Resources Engineer

Cell: (320) 309-3473

7500 Olson Memorial Highway Suite 300
 Golden Valley MN 55427



Z:\Elm Creek\Grant Opportunities\Floodplain modeling 2018\E_August 5 2021 update.docx

HENNEPIN COUNTY

MINNESOTA

DATE: August 2, 2021

TO: Elm Creek Watershed Management Commission (ECWMC)

FROM: Kevin Ellis, Paul Stewart, and Kris Guentzel; Hennepin County Department of Environment and Energy

RE: August ECWMC Updates

Natural Resources Strategic Plan

A survey has been distributed to stakeholders and the public asking for feedback on what folks' value and wish for the county to prioritize in its natural and water resources work. You can take the survey [here](#), or by navigating to our webpage dedicated to the plan: [Updating the Natural Resources Strategic Plan | Hennepin County](#)

You can also sign up for updates here: [Hennepin County \(govdelivery.com\)](https://govdelivery.com).

Public and stakeholder outreach will continue through the end of summer. Collaboration groups will also be convened in the coming weeks for stakeholders to provide direct input on planning content.

Project / Program Updates

Rush Creek Projects

Jubert Lake Area Agricultural BMPs

Update:

- “Top of Hill WASCOB + Waterway”: Project is warping up in the next few weeks with some final grade touch up, seeding and erosion controll installation. The WASCOB, intake/pipe and waterway all went in according to plan. See attached photos.
 - Construction staking has occurred and we expect to break ground and begin project construction as early as this week, as weather allows.
- “Phase 1” projects: Design is out for some minor changes and construction expected to start in October. Wetland permitting and design on Phase 2 projects comes next (to allow wetland permitting of all planned work at once). Construction on these projects is anticipated late 2021 and early 2022.

Landowner Outreach

- Outreach materials for landowners with livestock on site have been developed and are in production. Will be mailed out within the next month and follow-up phone calls will be made to discuss potential projects. Posters advertising conservation opportunities will also be posted in feed/tack stores and veterinary clinics. Outreach for landowners with crops or a home in the subwatershed are currently in development.

Previous:

- “Phase 1” projects include 7 grassed waterways, 1 wetland expansion, and 1 creek stabilization.
- Arens WASCOP + Waterway: Awaiting engineer capacity to complete designs. No information available about intake in road ROW, so will need to make some conservative assumptions about watershed to this project.
- “Phase 2” projects and wetland consulting: County will be requesting proposals for engineering services and wetland permitting assistance.

These projects are on multiple parcels west of Jubert Lake. Design and implementation are being funded through a funding partnership with ECWMC, Hennepin County, the State of MN (Rush Creek CWF grant), and the parcel landowners.

Anticipated Construction	Project	Engineer's Estimate	Commission Share Estimate	Hennepin & LO Share Estimate	Grant Share Estimate
Spring 2021	Top of Hill WASCOP + Waterway	\$32,704.80 [#]	\$8,176.20	\$3,270.48	\$17,987.64
	Arens WASCOP + Waterway	TBD	TBD	TBD	TBD
Fall 2021	Phase 1 BMP 4 – Waterway	\$13,360	\$3,340	\$1,336	\$7,348
	Phase 1 BMP 9 – 2 Waterways	\$26,275	\$6,568.75	\$2,627.50	\$14,451.25
	Phase 1 BMP 13 – 4 Waterways	\$48,127	\$12,031.75	\$4,812.70	\$26,469.85
	Phase 1 BMP Other – Creek Bank Stabilization at Field Crossing	\$7,840	\$1,960	\$784	\$4,312
2022	Phase 1 BMP 11 – Wetland Expansion	\$75,610	\$18,902.50	\$7,561	\$41,585.50
	TOTAL	\$203,916.80	\$50,979.20*	\$20,391.68**	\$112,154.24***

[#] Bid estimate from contractor

*Commission Capital Funds remaining = \$55,747

**Hennepin and Landowner will contribute 10% each, values in column represents contribution from each party

***Grant funds unencumbered = \$31,443.40

10000 Ebert Road:

Update: Staff are working on developing a conceptual design with the landowner that meets program and landowner needs. Design will likely include some combination of prairie and mesic forest restorations in upland areas and buffers, waterways, and wetland restorations in lowland areas.

Previous: Landowner referred to county staff by NRCS after the Conservation Reserve Program did not seem to be the right fit for landowner's conservation objectives. Overall objective is to convert the full 120-acre parcel from agricultural use to restored habitat, which will occur in phases over a timeline that has not yet been determined. County convened a site visit with landowner, USFWS, and NRCS during the week of March 29th. Next step will be to confirm presumed tile locations. Likely BMP projects in the short-term will be grading and planting grassed waterways in several areas, and beginning planning, design and engineering work to restore up to 16 individual drained wetlands on the property with native buffers.

9825 Sundance Road:

Landowner has failing septic identified in the subwatershed assessment as pre-1990 septic system. Landowner did not qualify for a low-interest loan through the AgBMP Loan Program. County is currently working with landowner to find another method to finance a replacement of the failing system such as the SSTS Low-Income Fix Up grant administered by PCA.

Other Landowner Conservation Assistance:

21000 Block of Co. Road 117: Kolasa Farm/Enterprise reached out with concerns about a regional drain tile that runs from the properties on north side of Co Rd 117 through the proposed Rains Property wetland banking project. Staff are working with the landowner to address the issue.

25880 Territorial Road, Rogers:

Landowner requested information about low interest loan options for replacement of a failing septic system. Staff recommend working through Ag BMP Loan process to assess low interest financing. Landowner seeking quote and researching options with participating banks.

14100 117th Ave. N., Dayton: Landowner requested information about technical and financial assistance available to add pollinator habitat to about 4 acres of former pasture land. Staff have assisted landowner to identify several locations for "pollinator nodes" in a dense stand of warm season grasses. Areas will be prepped for forb seed with 2 sprays and some mowing June through September 2021. USFWS Partners for Fish and Wildlife Program will provide seed to be sowed over snow during the winter of 2021/2022.

27015 123rd Ave. N, Rogers: Landowner requested information regarding financial assistance to implement BMPs to protect water quality of a nearby pond through the Rush Creek Subwatershed grant. Landowner was concerned about runoff from sloped horse paddock and possible nutrient and bacterial contamination. A manure pad, barn gutters, and trench drain had previously been installed on the site. Staff will consider the request along with other applications for funding this summer.

Refuge at Rush Creek Wetland Bank: Neighbors contacted staff regarding City of Corcoran's public notice for a Drainage and Utility Easement Vacation. Staff referred questions to City of Corcoran's wetland consultant.

Agricultural Soil Health Initiative

Update: Soil health programing will follow in late summer/fall to coincide with cover crop planting and in advance of planning for 2022 growing season.

Previous: Staff plan to send a follow-up mailer in May to all those that received the original mailers. In late February, Hennepin County staff sent a few dozen mailers to targeted farmers regarding cover crops and other soil health initiatives. County staff will be sharing those materials with the Commission as they become available.

Environment and Energy Grant now open for application.

Grants for deconstruction to salvage building materials

Framing being taken apart during deconstruction project? Funding is available for building projects that use deconstruction techniques instead of standard demolition to remove materials during the destruction, alteration, or renovation of a building. In a deconstruction project, a building is taken apart mostly by hand, and materials are sorted into categories for efficient recycling and reuse.

Property owners and developers can receive up to \$5,000 to help offset the additional time and labor costs associated with deconstruction. Grants are available for demolition or renovation projects on residential properties up to 4 units that are 500 square feet or larger on structures built prior to 1970. Learn more and apply. <https://www.hennepin.us/deconstruction>



Figure 1: Top of Hill Waterway Pipe Installation



Figure 2: Final Grade for Pipe Installation



Figure 3: Hickenbottom Intake



Figure 4: WASCOB Construction



Figure 5: Final Grade Waterway



Figure 6 Final Grade WASCOB

From: Paul Stewart <Paul.Stewart@hennepin.us>
Sent: Wednesday, August 4, 2021 10:36 AM
To: Judie Anderson <Judie@jass.biz>
Cc: dougbaines@yahoo.com
Subject: 2021 Buffer Inspection

Good Morning Judie and Doug,

The Minnesota Buffer Law (MS 103F) went into effect in 2017 requires Hennepin County (the acting SWCD) to perform monitoring on all buffer required parcels every 3 years. As part of the monitoring program, Hennepin County staff must field verify a percentage of parcels in the county to ensure compliance matches Minnesota Buffer Law (MS 103F). This monitoring may be conducted via aerial photo review or on-site review depending on availability of updated aerial photos and the buffer that is being verified.

Although this is not an inspection year for Elm Creek Watershed, a potential buffer issues was brought to our attention and we will be reviewing it this month. We will be visiting the parcel in Corcoran to verify the buffer is compliant with the Minnesota Buffer Law (MS 103F). We will be validating the requirements listed below. The land owner will receive an inspection notice and a follow up letter with the findings and any action needed to correct buffer problems.

Public Waters

- Require a 50-foot average width, 30-foot minimum width, continuous buffer of perennially rooted vegetation or an approved alternative practice plan with the SWCD Office.
- Buffers are measured from the top or crown of the bank. Where there is no defined bank, measurement must be from the edge of the normal water level.
 - MN Buffers Law for Public Waters started on November 1, 2017

Public Drainage Systems

- Requires a minimum of 16.5 feet of buffer
- Buffers are measured from the top or crown of the bank.
 - MN Buffers Law for Public Ditches started on November 1, 2018

If you would like more information or like to attend an on-site review please contact me and we can arrange it.

No other action is needed from the Watershed at this time.

Thank you,

Paul Stewart

Rural Conservation – Agriculture
 Hennepin County Public Works Department of Environment and Energy
 701 Fourth Avenue South, Suite 700 Minneapolis, MN 55415
 Cell: (612) 272-1888 Office: (612) 543-9409
 Z:\Elm Creek\StaffReports\Staff Reports 2021\2021 Buffer Inspection.docx

Plymouth seeks public input regarding storm sewer systems permit

The City of Plymouth is seeking public input regarding the reissuance of the Small Municipal Separate Storm Sewer Systems (MS4) General Permit.

The Minnesota Pollution Control Agency, which issues the MS4 Permit, requires a public notice comment period to allow the public to review the city's Stormwater Pollution Prevention Program and other documents included in the MS4 Permit.

The MS4 Permit requires the city to develop, implement and enforce a SWPPP designed to reduce the discharge of pollutants from their storm sewer system and protect water quality.

The application submitted to the MPCA represents the city's SWPPP, including best management practices for six minimum control measures, as required by the MPCA.

Comments regarding the MS4 Permit are due by 4:30 p.m. Friday, Aug. 20. Comments may be submitted to:

Rajminder Heck
Municipal Division
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155
Phone: 651-757-2296
Email: raj.heck@state.mn.us

View the MS4 Permit Application and More Information

View the [Minnesota Pollution Control Agency Public Notice Document](#).

View the [Minnesota Pollution Control Agency Public Notice Webpage](#).

View the application for the [City of Plymouth Municipal Separate Storm Sewer System General Permit](#).

A paper copy of the MS4 Permit application and associated documents is available for the public to view during normal business hours, 8 a.m. to 4:30 p.m. Monday-Friday, at Plymouth City Hall, 3400 Plymouth Blvd.

**West Metro Education and Outreach Plan
West Metro Water Alliance
July 2021**

The West Metro Water Alliance is a collaboration of four Watershed Management Organizations (WMOs) in Hennepin County, Minnesota jointly providing common education and outreach programming to residents, property owners, and businesses in western Hennepin County about the water resources in the watersheds and positive actions that can be taken to protect and improve them. Other WMOs, cities, and agencies and organizations in the county also participate on an ad hoc basis.

History

In 2006 the Shingle Creek and West Mississippi Watershed Management Commission's Education and Public Outreach Committee (EPOC) invited the Education Committee of the Bassett Creek Watershed Management Commission to partner in developing joint education and outreach activities. The Elm Creek Watershed Management Commission soon joined, and the Three Rivers Park District, the Freshwater Society, and Hennepin County Department of Environmental Services sat in on meetings as well.

In 2010 this partnership formalized and took the name West Metro Water Alliance (WMWA). This partnership grew from a recognition that the individual organizations have many common education and public outreach goals and messages that could be more efficiently and effectively addressed and delivered collaboratively and on a wider scale. The partnership first developed a West Metro Education and Outreach Plan (Plan) in 2010 as a way to define those common goals and set forth a plan for implementing those common activities. In 2015 the partnership revised the Plan to reflect updated education and outreach priorities and to recognize the revised education and outreach requirements of the State of Minnesota General Stormwater Permit reissued in 2013. This Plan was revised in 2021 to reflect the most recent needs and priorities of the partners and the revised requirements of the General Stormwater Permit reissued in 2020.

It is understood that each WMO and community may have additional localized goals for their education programming. For example, implementation of a Total Maximum Daily Load (TMDL) plan may require targeted messages to specific audiences. Activities targeted to the urbanized areas of the county are likely to have a different emphasis than activities targeted to developing or agricultural areas. The Plan also serves as a guide for each of the partners to refine their own individual education and outreach plans and activities.

The West Metro Education and Outreach Plan is intended to serve as a framework to accommodate activities common to most or all WMOs and communities in the county as well as unique local activities.

Purpose, Goals, Target Audiences, and Objectives

This section identifies the vision, mission, and goals set forth collectively by the WMWA. It also identifies the target audiences, and the objectives for learning for each of these target audiences.

Vision:

The West Metro Water Alliance (WMWA) is a collaborative group working to create education and outreach opportunities to protect and improve water resources.

Mission:

The mission of the WMWA is to protect and improve water resources through education and outreach by:

- Jointly identifying and implementing education and outreach strategies to promote consistency of messages.
- Pooling resources to undertake activities in the most cost-effective manner.
- Promoting interagency cooperation and collaboration.

Goal:

The actions in this West Metro Education and Outreach Plan are intended to help the WMOs and member cities to meet their education and outreach needs as set forth in their Watershed and Surface Water Management Plans, Total Maximum Daily Load (TMDL) studies, and the Minnesota Pollution Control Agency's General Stormwater Permit.

Equity Statement:

WMWA acknowledges the past intrinsic gaps in water and natural resources outreach and education to underserved and minority communities and will work to incorporate principles of environmental justice where possible into our outreach efforts.

Target Audiences:

Target audiences are individuals or groups to whom education is being directed. The Plan has identified the following target audiences and general educational goals for each. Often more than one target audience will benefit from an educational activity.

1. Single family homeowners and renters
 - a. Have general understanding of watersheds and water resources
 - b. Understand the connection between behavior and water quality
 - b-c. Understand the connection between climate, water quality, and water quantity
 - ~~c-d.~~ Adopt sensible practices that protect water resources
 - ~~d-e.~~ Support protection and restoration efforts
2. Commercial, industrial, institutional, and multifamily property owners and managers
 - a. Maintain their properties and best management practices (BMPs) in water-friendly ways
3. Government: elected and appointed officials, staff, board and commission members
 - a. Have general understanding of watersheds and water resources
 - a-c. Understanding the connection between climate, water quality, and water quantity
 - b. Establish and maintain up-to-date ordinances, rules, and practices
 - c. Understand public opinions and needs regarding water resources
4. Educators and students
 - a. Have general understanding of watersheds and water resources
 - b. Understand the connection between behavior and water quality

Joint Education and Outreach Activities

Activity 1. Facilitate Online Information Availability and Sharing

Description:

Provide a convenient, “one-stop” online location for water quality/quantity information and resources. The WMWA website will provide informational, educational, and training materials; links to individual watershed management organization websites; links to other organizations such as Blue Thumb and Watershed Partners; and the latest news and information about water resources in Hennepin County.

Target Audience:

Government employees and officials, watershed commissions/boards and staff, City Councils and staff, general public, educators, students

Education Goals:

1. Deliver a consistent message
2. Create an efficient and cost-effective means for distribution of messages and resources

Proposed Activities:

1. Develop and curate content and links to off-site content.
2. Periodically query key members of the target audiences to solicit ideas for content.
3. Periodically inform the target audience of the website and content.

Measurable Goals:

1. Record number of “hits” on the website; the number of times content is used/published. Develop strategy for measurement.
2. Increase in knowledge and adoption of practices as measured in periodic surveys

Responsible Party(ies):

1. Partners – supply content for website
2. Coordinator – develop or identify existing content as requested, solicit content from partners, periodically query target audiences for content ideas and requests
3. Contracted staff – update website as needed

Timeframe:

Ongoing activity at www.westmetrowateralliance.org

Activity 2. Provide Coordinated Communication and Information Sharing

Description:

Provide targeted messaging and outreach regarding key environmental issues. Coordinate and, where appropriate, jointly prepare communications and information pieces such as articles, brochures, newsletters, graphics, photographs, handbooks, etc. Disseminate information developed by WMWA, cities, Hennepin County, and others using the web site, social media, and other media. Work with local and regional media to undertake coordinated information campaigns on general water resources issues.

Target Audience:

All target audiences

Education Goals:

1. Prioritize water issues and develop and implement educational materials focused on those issues.
2. Increase awareness of general water quality/quantity issues.
- ~~2-3.~~ 2-3. Increase awareness of the connection between climate, water quality, and water quantity
- ~~3-4.~~ Provide stakeholders with the information and tools necessary to make a difference.

Proposed Activities:

1. In consultation with partners, annually identify high priority issue(s) of focus.
2. Develop a communications plan for each priority issue that identifies specific implementation actions for each relevant target audience, including measurable goals and responsible parties.
3. Develop materials, signs, displays, etc., conveying desired messages and make available to targeted audiences.
4. Assign a person to serve as “coordinator” for each communication plan, responsible for tracking and reporting activities.
5. Annually evaluate the extent to which the communications plans were implemented, and the measurable goals attained.
6. Periodically work with cities and Hennepin County to evaluate current knowledge regarding topics of relevance.
7. Maintain an up to date general media and communications plan.

Measurable Goals:

Number of pieces distributed, number of hits on website referred from outreach materials and social media, number of requests for copies of materials

Responsible Party(ies):

Coordinator- track communications plan implementation

All partners including financial support, editorial skills, graphic design skills, printing

Timeframe:

Annual, ongoing activity

Activity 3. Watershed PREP (Protection, Restoration, Education and Preservation)

Description:

Support and promote Watershed PREP (Protection, Restoration, Education and Preservation) activities providing classroom watershed education to K-12 students and education and outreach at school and community events.

Target Audience:

Educators and students, and all other targeted audiences

Education Goals:

1. Increase student and educator understanding of watersheds, water quality, the hydrologic cycle, [the impacts of climate change on water](#), and stormwater issues in their neighborhoods.
2. Increase general public understanding of watersheds, water quality, and stormwater issues in their cities and neighborhoods.

Proposed Activities:

1. Continue to work with school districts and individual schools and teachers to provide structured fourth-grade classroom lessons on watershed-relevant topics.
2. Promote PREP to other WMOs and organizations and share lesson plans and materials to broaden its reach.
3. Expand Watershed PREP activities to other activities such as family nights and outreach activities.
4. Provide education booth staffing and other assistance to member cities, lake associations, and other groups to deliver information on priority issues.
5. Document outcomes of ongoing programs.

Measurable Goals:

1. Number of students served
2. Favorable comments from teachers
3. Community members receiving targeted information at events

Responsible Party(ies):

Contracted educators – solicit school district approval and classroom teacher interest, coordinate and deliver lessons

Staff-assist with grant writing, and matching funding identification

Timeframe:

Ongoing activity continued as funding is available

Activity 4. Pursue and Obtain Funding for Joint Education and Outreach Activities

Description:

Investigate options and pursue funding from foundations, grant agencies, and other sources to supplement WMO and city funding for education and outreach activities.

Target Audience:

WMOs and cities

Education Goals:

1. Obtain funding to undertake and expand activities
2. Raise awareness of the WMWA with funding agencies and sources

Proposed Activities:

1. Identify fiscal agent(s)
2. Identify funding options and funding goals
3. Identify matching funding sources and amounts
4. Develop packet of information for funding sources describing WMWA and its partners, the organization's goals and activities, and education and outreach strategies
5. Write and submit grant proposals
6. Document outcomes of previous programs.

Measurable Goals:

1. Number of applications successfully made
2. Grant and matching funds raised

Responsible Party(ies):

Staff-appropriate individuals, other partners for research, grant writing, and matching funding identification

Timeframe:

Ongoing activity continued as funding opportunities are available