

elm creek Watershed Management Commission

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

December 1, 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, December 8, 2021, 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**. The password is **water**.

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

+1 929 205 6099 US (New York)	+1 312 626 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

Meeting ID: 990 970 201. Passcode: 579973

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 this meeting.

Thank you.



Judie A. Anderson
Administrator
JAA:tim

Encls: Meeting Packet

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

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AGENDA Regular Meeting December 8, 2021

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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 password is **water**.

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1. Call Regular Meeting to Order.
 - a. Approve Agenda.*
2. Consent Agenda.
 - a. Minutes last Meeting.*
 - b. Treasurer's Report and Claims.*
3. Open Forum.
 - a. Robert Belzer.*
4. Action Items.
 - a. Cost Share Policy – revision.*
 - b. Project Reviews – *also see Staff Report*.*
5. Old Business.
6. New Business.
 - a. 2021 Work Plan in Review.*
7. Communications.
 - a. Staff Report.*
 - b. County Staff Report.*
 - c. Hennepin County Natural Resources Strategic Plan.*
8. Education.
 - a. WMWA – next meeting is scheduled for December 14, 2021, at 8:30 a.m. This will be a **virtual** meeting.
9. Grant Opportunities and Updates.
 - a. Metro Area Watershed-Based Implementation Funding (WBIF) Program FY22-23 Convene Process Guidance.*

10. Project Reviews.

Item No.	A	E	I RPI	AR	Project No.	Project Name
			RP DD			
					W=wetland project	
ba.				AR	2014-015	Rogers Drive Extension, Rogers.
bb.				AR	2015-030	Kiddiegarten Child Care Center, Maple Grove.
bc.				AR	2016-005W	Ravinia Wetland Bank Plan, Corcoran.
bd.				AR	2017-014	Laurel Creek, Rogers.
be.				AR	2017-029	Brayburn Trails, Dayton.
a.					2017-050W	Ernie Mayers Wetland/floodplain violation, Corcoran.
b.					2018-020	North 101 Storage, Rogers.
bf.				AR	2018-046	Graco, Rogers.
bg.				AR	2018-048	Faithbrook Church Phase 2, Dayton.
bh.				AR	2019-002	Parkside Villas, Champlin.
bi.				AR	2019-021	Brenly Meadows, Rogers.
bj.				AR	2019-026	Interstate Power Systems, Rogers.
bk.				AR	2019-027	Havenwood at Maple Grove.
bl.				AR	2019-032	OSI Expansion, Medina.
bm.				AR	2020-001	Outlot L, Markets at Rush Creek, Maple Grove.
bn.				AR	2020-008	Ione Gardens, Dayton.
bo.				AR	2020-009	Stetler Barn, Medina.
bp.				AR	2020-017	Meadow View Townhomes, Medina.
bq.				AR	2020-023	Ziegler Dayton Site Upgrades, Dayton.
br.				AR	2020-032	Enclave Rogers - Commerce Boulevard, Rogers.
bs.				AR	2020-033	Weston Woods, Medina.
bt.				AR	2020-036	Balsam Pointe, Dayton.
bu.				AR	2021-007	Birchwood 2nd Addition, Rogers
c.					2021-012	The Oaks at Bauer Farms, Champlin.
d.					2021-013	Rush Creek Reserve, Corcoran.
e.					2021-015	66th Avenue/Gleason Parkway, Corcoran.
bv.					2021-016	Territorial Lofts, Rogers.
f.					2021-018	Tavera Phase 1, Corcoran.
g.					2021-019	Kwik Trip Store 1157, Dayton.
h.					2021-020	Crew Carwash, Maple Grove.
i.					2021-021	Territorial Triangle, Dayton.
j.					2021-023	Maple Grove Medial Office Building (MOB).
k.					2021-024	River Walk, Dayton
l.					2021-025	Hackamore Road Reconstruction, Medina/Corcoran.
m.					2021-026	Prairie Creek Subdivision, Medina.
n.					2021-027	Xcel Energy Elm Creek Substation, Maple Grove
o.					2021-028	The Cubes at French Lake, Dayton
p.					2021-029	Tri-Care Grocery / Retail, Maple Grove
q.	A	E			2021-030	Tri-Care Grading and Roads, Maple Grove
r.					2021-031	Cook Lake Edgewater, Maple Grove
s.					2021-033	Weston Commons, Maple Grove
t.					2021-034	BAPS Hindu Temple, Medina.
u.					2021-035	Mister Car Wash - Rogers
v.					2021-036	D & D Service, Corcoran.
w.	A	E			2021-037	Marsh PointE, Medina.
x.	A	E			2021-038	Bellwether 6th/Amberly, Corcoran.
y.					2021-039	1-94 Logistics Center, Rogers.

z.					2021-040	Napa Auto, Corcoran.
aa.					2021-041	Carlson Ridge, Plymouth.
ab.					2021-042	Risor Senior Living, Maple Grove
ac.					2021-043	Northwood Community Church Maple Grove.
ad.					2021-044	Balsam II Apartments, Dayton.
ae.	A	E			2021-045	REO Plastics Phase 2 Addition, Maple Grove
af.					2021-046	Len Busch Roses, Plymouth
ag.					2021-047	CR 10 Box Culvert Replacement, Corcoran
ah.		E			2021-048	Bellwether - Newman West, Corcoran
ai.					2021-049	Dayton Interchange Business Center, Dayton.
aj.					2021-050	Evanswood, Maple Grove.
ak.		E			2021-051	Fields of Nanterre Drainage Improvements, Plymouth.
al.					2021-052	Norbella Senior Living, Rogers.

= Action item E = Enclosure provided I = Informational update will be provided at meeting RPI - 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.

12. Adjournment.

Z:\Elm Creek\Meetings\Meetings 2021\12 Regular Meeting Agenda.docx

Regular Meeting Minutes November 10, 2021

I. A virtual meeting of the Elm Creek Watershed Management Commission was called to order at 11:34 a.m., Wednesday, November 10, 2021, by Chair Doug Baines.

Present were: Ken Guenthner, Corcoran; Doug Baines, Dayton; Joe Trainor, Maple Grove; Elizabeth Weir, Medina; Catherine Cesnik, Plymouth; and Amy Juntunen and Judie Anderson, JASS.

Not represented: Champlin and Rogers.

Also present: Heather Nelson, Champlin; Kevin Mattson, Corcoran; Derek Asche and Mark Lahtinen, Maple Grove; Amy Riegel and Ben Scharenbroich, Plymouth; Andrew Simmons, Rogers; Ross Mullen, Ed Matthiesen, and Diane Spector, Stantec; James Kujawa, Surface Water Solutions; Rebecca Carlson, Resilience Resources; Kris Guentzel and Kevin Ellis, Hennepin County Environmental Services (HCEE); Amy Timm, Three Rivers Park District (TRPD); Steve Christopher, Board of Water and Soil Resources (BWSR); Emily Castanias, Sambatek, for Project Review 2021-028; and Robert Belzer, Medina.

A. Motion by Guenthner, second by Weir to approve the **agenda*** as revised. *Motion carried unanimously.*

B. Motion by Weir, second by Guenthner to approve the **Minutes*** of the October 13, 2021, regular meeting. *Motion carried unanimously.*

C. Motion by Guenthner, second by Weir to approve the **November Treasurer's Report, Claims*** totaling \$39,536.73, **October Budget Extrapolation,*** and **Stantec's October update*** for technical services. *Motion carried unanimously.*

II. Open Forum.

Belzer was present to discuss his concerns regarding the **Wild Meadows development**. He presented a PowerPoint, "Improving Water, Wildlife, and Community Health." He was encouraged to return with a concise statement of his request from the Commission.

III. Action Items.

Included in the meeting packet was a memo from the City of Maple Grove requesting the Commission to contribute to the cost of undertaking a **Subwatershed Assessment for Rice Lake**. Total cost of this project is estimated at \$30,000, with a requested contribution from the Commission of \$7,500. Since the Commission's current Cost Share Policy allows for funding of SWAs that are identified as being in areas outside of the Municipal Urban Service Area (MUSA), this project would not be eligible for cost-share. Motion by Baines, second by Weir to refer the policy to the Technical Advisory Committee (TAC) to consider removing this qualification. *Motion carried unanimously.*

IV. Project Reviews.

A. 2021-028 Cubes at French Lake, Dayton.* This is four parcels totaling 71.62 acres located south of 117th Avenue and north of the intersection of 113th Avenue and CSAH 81. The project includes construction of a 996,960 SF industrial building with its associated parking and utility improvements. In addition, the project includes the construction of Dayton Parkway from CSAH 81 to 117th Avenue North. The project was reviewed for compliance with Rules D, E, G, and I. Initial review information was provided to the City and Applicant on August 23. Responses to Staff comments were received September 22, October 6, 13, 25 and 27. In their Findings dated October 28, 2021, Staff recommends approval of this project conditioned upon, (1) A stormwater system operation and maintenance agreement being approved by the Commission and the City of Dayton and recorded on the land title within 90 days after the final plat approvals. A copy of the recorded agreement must be provided to the Commission prior to the Commission's final approval, (2) Prior to impacts, wetland and wetland buffer strips must comply with the City of Dayton, Minnesota Wetland Conservation Act, and Commission rules, (3) Permanent easements on wetland and buffer areas, and (4) Final escrow balance determination when final approval is granted (without remaining conditions). Motion by Weir, second by Trainor to approve Staff's recommendations. *Motion carried unanimously.*

B. 2021-029 TriCare Grocery/Retail, Maple Grove.* The project will construct a grocery store, retail, and associated parking on approximately 2.5 acres of the 62.7-acre TriCare parcel, which is located just north of County Road 30 and southwest of I-94. The project was reviewed for compliance with Rules D and E. Staff issued a denial in 2016 when the regional stormwater BMP project was constructed. In their findings dated November 1, 2021, Staff recommends approval contingent upon reconciliation of the escrow balance and the City reconstructing the basin to meet Commission rules and standards. The City is planning to reconstruct the bio-infiltration basin in 2022. This approval will expire on August 31, 2023. Motion by Weir, second by Guenthner to approve Staff's recommendations. *Motion carried unanimously.*

C. Cook Lake Edgewater, Corcoran/Maple Grove.* This application is for a 28.4-acre development just north of Bass Lake Road, on both sides of the Corcoran-Maple Grove municipal boundary. The development includes 60 single-family homes in Maple Grove, 12 single family homes in Corcoran, and senior care and memory centers in Corcoran. The project was reviewed for compliance with Rules D, E, G, and I. Staff completed their review and recommends approval contingent on items listed in the Staff findings dated October 27, 2021: (1) payment of all review fees. Additional payment may be required if the review cost exceeds escrow payment(s) submitted by the applicant; (2) providing wetland buffers monumentation locations; (3) providing the agreed rate control as required by the Commission and/or the City; and (4) TEP approval of the Wetland Mitigation Plan and approval of all on-site wetland impacts by the TEP prior to impacts. The applicant requested permission to begin grading prior to the meeting. Motion by Guenthner, second by Trainor to approve Staff's recommendations. *Motion carried unanimously.*

D. 2021-032 Dayton Park Industrial Center, Dayton.* This project will include up to 600,000 SF of industrial floor space and 300 vehicle parking areas on 50.8 acres in southwest Dayton. The review was of an Environmental Assessment Worksheet. Included in this month's packet are the Response to Comments, Findings of Fact, and Record of Decision for this project. No action is required.

V. Old Business.

Staff updated the Commissioners on the status of holding virtual v. in-person meetings. While effects of the pandemic are still occurring, virtual meetings can continue to be scheduled as long as a hybrid version (in-person with some members attending virtually) is not implemented.

VI. New Business.

VII. Communications.

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

B. Hennepin County Staff Report.*

1. Request for Engineering Services. Hennepin County met with Stantec to create a scope of work for developing and approving plans for manure bunker construction. Hennepin County will provide AutoCAD files for a three-bay bunker system that Stantec will edit into a roofed, two-bunker system that can be placed in any direction or orientation without concern of wind-loads. This will allow Hennepin County to better meet landowner needs and utilize the practice more effectively in projects throughout the watershed. This work has been included in an amendment* to the County's Services Agreement with the Commission and, along with a Project Understanding* from Stantec, is included in November meeting packet materials.

2. Rush Creek Projects.

a. Jubert Lake Area Agricultural BMPs. These projects are on multiple parcels west of Jubert Lake. Design and implementation are being funded through a partnership with the Commission, Hennepin County, the State of Minnesota through a Rush Creek Clean Water Fund grant, and the landowners. Final plans for Phase 1A BMPs were completed by EOR and returned to the County. Wetland delineation was also completed. The WCA application requires landowner signature before it is submitted. Construction is projected to begin in Spring 2022. Phase 1 projects include 5 grassed waterways, 1 wetland expansion, and 1 creek stabilization.

b. Rush Creek Landowner Outreach. Postcards advertising BMP projects for crop farmers have been mailed out. To date, nine postcards have been returned. Site visits with landowners had identified several potential projects. Project proposals are being drafted.

County planning for an event such as an informational session or webinar is underway and will most likely occur over the winter. The County may also start a field day or live stream series in Spring 2022.

VIII. Education and Public Outreach.*

The West Metro Water Alliance (WMWA) met on November 9, 2021. The Pet Waste and Water Softener flyer designs were reviewed. While design is good, there is too much text, requiring a smaller font size. Members will work on reducing extraneous text to increase the font size. The Chloride flyer text will be reviewed at the December meeting.

IX. Grant Opportunities and Project Updates.

A. A copy of the amended **2019 Watershed-based Funding Grant*** was included in the meeting packet. The amendment extends the grant expiration date from December 31, 2021, to June 30, 2022. All other terms remain the same.

B. Stantec's October 29, 2021, memo* describes the **FY22 Watershed-based Implementation Funding Grant**. The Board of Water and Soil Resources (BWSR) biennially appropriates funding for its WBIF

program. This pot of funding from the Land and Legacy Amendment supplements the funding made available through the Clean Water Fund (CWF) Projects and Practices grants. While those are competitive grants for specific projects, the WBIF funding is allocated to targeted watersheds. The BWSR Board recently approved allocations of the fiscal year 2022 (FY22) funding, which will become available July 1, 2022.

Outside the Metro area, BWSR has been working with counties, Soil and Water Conservation Districts (SWCDs) and watershed districts to prepare comprehensive studies called One Watershed One Plans (1W1Ps). For Greater Minnesota watersheds that may be 1,000 square miles or more in area and encompass two or more counties, these 1W1Ps are attempts to plan collectively across counties, cities, and watershed districts. Following completion of their plans, these consortia of agencies can receive noncompetitive WBIF funding to jump start implementation.

In the Metro area, cities have been completing such plans (at a smaller scale) since the early 1980s. In 2018, BWSR realized the Metro partners were missing out on the opportunity for noncompetitive funding and allocated WBIF funding for Metro watersheds. In 2018 BWSR allocated funding to each of the seven Metro counties, and then asked the watersheds and cities in each county to develop their own method of deciding how to spend it. The eleven watersheds in Hennepin County elected to allocate 10% of the funds to the Hennepin County Chloride Initiative and to allocate the rest to the watersheds based on their size and tax capacity. Elm Creek received \$134,486 and elected to use those funds for Phase IV of the Elm Creek Stream Restoration Project in Champlin. In 2020, BWSR allocated funds in a different way. Instead of allocating to counties, the funding was allocated to basins. Elm Creek is in the Metro-Mississippi Twin Cities West basin. That group chose to use a competitive process and requested the watersheds and cities in the basin to submit grant requests for specific projects. Elm Creek was awarded \$281,996 for Phase V of the Elm Creek Stream Restoration Project in Champlin.

Having had two different allocation processes in as many biennia, BWSR held Listening Sessions to take feedback and help in making the decision on how to allocate FY22 funds. On October 27, 2021, the BWSR Board approved an allocation process that would allocate funds to Metro watersheds with “a \$75,000 minimum per watershed planning area inside of the Metro, and a distribution of funds based on a weighting of 90% private land and 10% on public waters to all eligible areas.” Staff are in contact with BWSR staff to learn more about that method, timing, funding availability, etc. It does look like project requirements include a minimum 10% match, that they must be load reduction practices, and could be structural or non-structural. The Elm Creek WMO has been awarded \$297,774.

C. Conservation Corps. Following passage of the Clean Water, Land, and Legacy Amendment the Minnesota Legislature directed BWSR to appropriate \$500,000 of the Clean Water Fund to be contracted for services with the Conservation Corps on an annual basis. BWSR contracts with the Corps to provide funded labor to cities, counties, soil and water conservation districts, metropolitan watershed management organizations, watershed districts, and joint powers organizations of those government units to undertake projects consistent with the Corps’ mission, BWSR grant policies and CWF goals. Funds are available for Corps crew labor on projects with the purpose of protecting, enhancing, and restoring water quality in lakes, rivers, and streams and/or protecting groundwater and drinking water sources from degradation. There are no minimum match requirements, but applicants must itemize local financial contributions. Application deadline is December 15, 2021. <https://conservationcorps.org/partner/clean-water-funding/>

D. Spector announced that \$870,000 in **planning grants for stormwater, wastewater, and community resilience** are available from the MPCA. Deadline to apply is December 21, 2021. [Apply now:](#)

[Planning grants for stormwater, wastewater, and community resilience | Minnesota Pollution Control Agency \(state.mn.us\)](https://www.state.mn.us/planning/grants-for-stormwater-wastewater-and-community-resilience)


X. Other Business.

A. Due to rising postage rates and slower delivery services Staff is requesting anyone who currently receives their **meeting packet** by surface mail to consider downloading their packets from the Commission's website.

B. As follow-up to the Open Forum discussion, Weir queried whether there was a way for the Commission to **partner with cities regarding HOA compliance** with Operation and Maintenance of Stormwater Infrastructure rules and statutes. She stated that most HOAs have no understanding of their responsibility for maintaining stormwater infrastructure. She questioned how the Commission might work with cities to educate HOAs on this matter.

XI. Adjournment. There being no further business, motion by Weir, second by Guenthner to adjourn. *Motion carried unanimously.* The meeting was adjourned at 1:34 p.m.

Respectfully submitted,



Judie A. Anderson
Recording Secretary

JAA:tim

Z:\Elm Creek\Meetings\Meetings 2021\November 10, 2021 Regular meeting minutes.docx

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					2021-043	Northwood Community Church Maple Grove.
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					2021-047	CR10 Box Culvert Replacement, Corcoran

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Elm Creek Watershed Management Commission Treasurer's Report

		2021 Budget	Nov 2021	Dec2021	2021 Budget YTD
EXPENSES					
Administrative		95,000	6,755.41	9,081.47	92,146.45
Grant Writing		650			0.00
Website		2,000	32.50	16.25	949.50
Legal		2,000	77.50	108.50	1,046.25
Audit		5,000			6,000.00
Insurance		3,800			3,800.00
Miscellaneous/Contingency		1,000			0.00
Technical Support - HCEE		12,000		8,314.36	8,314.36
Floodplain Mapping					23,488.00
Project Review Technical		185,000	25,920.00		123,625.25
Other Technical			3,688.00		50,393.55
Project Reviews - Admin Support		12,000	2,954.56	2,588.46	24,796.46
WCA - Admin					340.60
Stream Monitoring USGS		24,000			21,562.00
Stream Monitoring TRPD		7,200			0.00
DO Longitudinal Survey		1,000			0.00
Rain Gauge		400	32.86	31.92	345.80
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	43.40	65.10	1,247.61
WMWA General Activities		5,000			3,000.00
WMWA Implementation/Watershed Prep		6,500			1,000.00
Rain Garden Wkshops/Intensive BMPs/Special Projects		3,000			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	32.50		1,697.26
Plan Amendment		2,000			641.66
Contribution to 4th Gen Plan		10,000			0.00
Transfer to (from) Capital Projects (see CIP Tr		175,000			129,153.89
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			39,536.73	20,206.06	495,551.64
TOTAL Paid in 2021, incl late 2020 Expenses		700,510.00	577,156.54	597,362.60	2021 Paid

Elm Creek Watershed Management Commission Treasurer's Report

		2021 Budget	Nov 2021	Dec2021	2021 Budget YTD
INCOME					
<i>From Fund Balance</i>					
Project Review Fee		100,000	28,030.25		205,556.65
Refund Project Fee					(9,152.25)
Water Monitoring - TRPD Co-op Agmt		5,500			0.00
Member Dues		237,300			237,300.00
Interest/Dividends Earned		15,250	11.90		165.98
<i>Transfer to (from) Capital Projects (see CIP Tr</i>		185,588	37.66		72,455.90
<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			28,079.81	0.00	696,017.28
TOTAL Rec'd 2021, incl late 2020 Income		643,638.00	723,005.10	723,005.10	2021 Received
CASH SUMMARY		Balance Fwd			
Checking		0.00			
4M Fund		1,307,408.90	1,453,257.46	1,433,051.40	
Cash on Hand			1,453,257.46	1,433,051.40	
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	-	-	688,630.35
<i>Enc. Studies / Project Identification / SWA</i>		187,134	(32.50)	-	185,436.82
Total Restricted / Assigned Funds		932,500	874,067.17	874,067.17	
Claims Presented		General Ledger Account No	November	December	TOTAL
Campbell Knutson - Legal		521000		108.50	108.50
Connexus - Rain Gauge		551100		31.92	31.92
Hennepin County Treasurer					8,314.36
HCEE - Technical Services		578000		8,314.36	
Stantec (formerly Wenck)					0.00
Project Review Technical		578050			
Other Technical		578050			
JASS					11,751.28
Administration		511000		7,662.94	
TAC Support		511000		545.51	
Annual Reporting/Work Plan		511000		873.02	
Website		581000		16.25	
Project Reviews		578100		2,588.46	
Education		590000		65.10	
CIPs General		563001			
TOTAL CLAIMS					20,206.06

CAMPBELL KNUTSON
Professional Association
Attorneys at Law
Federal Tax I.D. #41-1562130
Grand Oak Office Center I
860 Blue Gentian Road, Suite 290
Eagan, Minnesota 55121
(651) 452-5000

Elm Creek Watershed Management Commission
 c/o Judie A. Anderson, Exec. Secty.
 3235 Fernbrook Lane
 Plymouth MN 55447

Page: 1
 October 31, 2021
 Account # 1448G

SUMMARY STATEMENT

PREVIOUS BALANCE	FEES	EXPENSES	CREDITS	PAYMENTS	BALANCE
1448-0000 RE: GENERAL MATTERS					
SERVICES RENDERED TO DATE:					
124.00	108.50	0.00	0.00	-46.50	<u>\$186.00</u>

Less "1/10 pmt - 77.50

 TOTAL DUE 108.50

Amounts due over 30 days will be subject to a finance charge of
 .5% per month (or an annual rate of 6%). Minimum charge - 50 cents.

CAMPBELL KNUTSON
Professional Association
Attorneys at Law
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Elm Creek Watershed Management Commission
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3235 Fernbrook Lane
Plymouth MN 55447

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October 31, 2021
Account # 1448-0000G
232

RE: GENERAL MATTERS
SERVICES RENDERED TO DATE:

			HOURS	
10/20/2021	JJJ	Emails Ross re: project reviews.	0.30	46.50
10/29/2021	JJJ	Emails Ross re: plan review, enforcement, precedent, etc. questions.	0.40	62.00
		AMOUNT DUE	0.70	108.50
		TOTAL CURRENT WORK		108.50
		PREVIOUS BALANCE		\$124.00
10/19/2021		Payment - thank you		-46.50
		TOTAL AMOUNT DUE		<u>\$186.00</u>

Less 1/10 pmt - 77.50

TOTAL DUE 108.50

Amounts due over 30 days will be subject to a finance charge of
.5% per month (or an annual rate of 6%). Minimum charge - 50 cents.



Account Number:

481113-238425

ELM CREEK WATERSHED MGMT ORG

Monthly Statement

Service Address

ELM CREEK RD
DAYTON MN

Billing Summary

Billing Date: Nov 17, 2021

Previous Balance	\$32.86
Payments - Thank You!	\$32.86
Balance Forward	\$0.00
New Charges	\$31.92

Total Amount Due **\$31.92**

Payment must be received on or before December 13, 2021

Total Amount Due

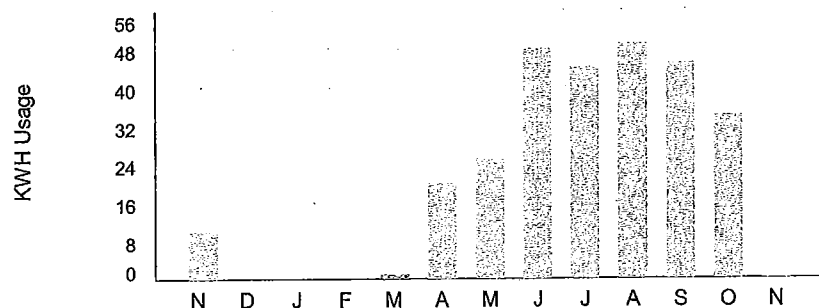
\$31.92

Due Date

December 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-007024/006339 VG0GB8 S1-ET-M1-C00002 1



Account Number:

481113-238425

Total Amount Due

\$31.92

Payment Due By

December 13, 2021

007024 1 AB 0.458 003032/007024/006339 024 02 VG0GB8
ELM CREEK WATERSHED MGMT ORG
3235 FERNBROOK LN N
PLYMOUTH MN 55447-5325



Connexus Energy

PO Box 1808

Minneapolis, MN 55480-1808

00003192 0004811130238425 000000 00000 000000000000 0000001

Public Works General
Solid Waste
612-543-1121
300 South 6th Street, MC 131
Minneapolis, MN 55487


Hennepin County
Public Works
Department of Environment and Energy
 701 Fourth Avenue South, Suite 700
 Minneapolis, Minnesota 55415-1842

 612-348-3777, Phone
 612-348-8532, Fax
 hennepin.us/environment

Bill To:
Elm Creek Watershed Management Commission
3235 Fernbrook Lane
Plymouth, MN 55447
Invoice
Date

10/13/21

Contract
A2110724

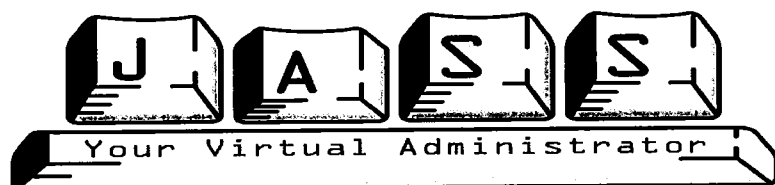
Description	Total Amount Due
2021 Invoice 1 (June 1, 2021 – September 30, 2021) Task 2: Public Inquiries and Conservation Promotion <ul style="list-style-type: none"> Total Rush Creek staff time costs incurred: \$16,628.72 Total Other Task 2 staff time incurred: \$0 Task 2 NTE: \$10,000 Amount Remaining: \$1,685.64 Task 3: Rush Creek Project Implementation <ul style="list-style-type: none"> Total project costs incurred: \$0 Task 3 NTE: 106,050 Amount Remaining: \$106,050 <p><i>Costs associated with the Commission's participation in the Department led volunteer monitoring/education programs (Riverwatch and WHEP at a not-to-exceed amount of \$7,000, will be billed on a lump sum basis with the 4th quarter 2019 invoice.</i></p>	<p style="text-align: right;">\$8,314.36</p>
	AMOUNT DUE \$8,314.36

Make check payable to: Hennepin County Treasurer

Invoice (please include as reference on payments): 1000173703

 Remit to: Hennepin County Accounts Receivable
 300 South 6th Street
 Mail Code 129
 Minneapolis, MN 55487

Direct questions to: Karen Galles 612-235-0712



3235 Fernbrook Lane
Plymouth MN 55447

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

Dec 1 2021

Total by
Project Area

Administrative	1.750	60.00	105.00	
Administrative	63.870	65.00	4,151.55	
Admin - virtual	4.980	70.00	348.60	
Office Support	12.00	200.00	2,400.00	
Storage Unit	1.00	146.64	146.64	
Data Processing/File Mgmt	2.58	60.00	154.80	
Admin - Reimbursable Expense	356.35	1.00	356.35	7,662.940
Admin - TAC support		60.00	0.00	
Admin - TAC support	4.63	65.00	300.95	
Admin - TAC support virtual	3.07	70.00	214.90	
TAC Support - Reimbursable Expense	29.66	1.00	29.66	545.510
Website		60.00	0.00	
Website	0.25	65.00	16.25	
Web Domain, hosting		1.00	0.00	16.250
Annual Reporting/Work Plans		60.00	0.00	
Annual Reporting/Work Plans	13.27	65.00	862.55	
2020 Work Plan		65.00	0.00	
Annual Reporting/Work Plan - Reimbursable Expense	10.47	1.00	10.47	873.020
Project Reviews - Secre		60.00	0.00	
Project Reviews - Admin	27.02	65.00	1,756.30	
Project Reviews - Admin offsite		70.00	0.00	
Project Reviews - Admin - File Mgmt		60.00	0.00	
Project Reviews - Reimbursable Expense	254.31	1.00	254.31	2,010.610
Project Reviews - Admin - Specific	8.89	65.00	577.85	
Project Reviews - Admin - Specific - reimbursables		1.00	0.00	577.850
Education - Secretarial		60.00	0.00	
Education - Admin		65.00	0.00	
Education - Admin virtual - Blue Thumb Partner Event	0.930	70.00	65.10	
Education - Reimbursable Expense		1.00	0.00	65.100

Invoice Total

11,751.280

IMPROVING WATER, WILDLIFE, AND COMMUNITY HEALTH

INTEGRITY OF ASSET VALUE PRESERVATION AND PROTECTION

ROBERT BELZER

RESIDENTS ARE UNAWARE OF THE LOCAL IMPACTS OF LAND USE AND MANAGEMENT DECISIONS

ACCESS TO INFORMATION

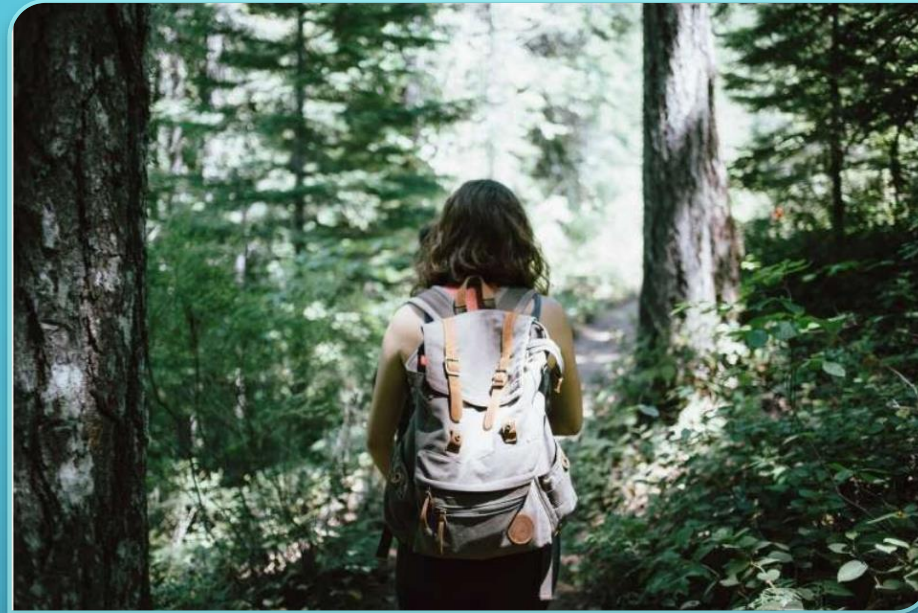


EDUCATION & INTEREST



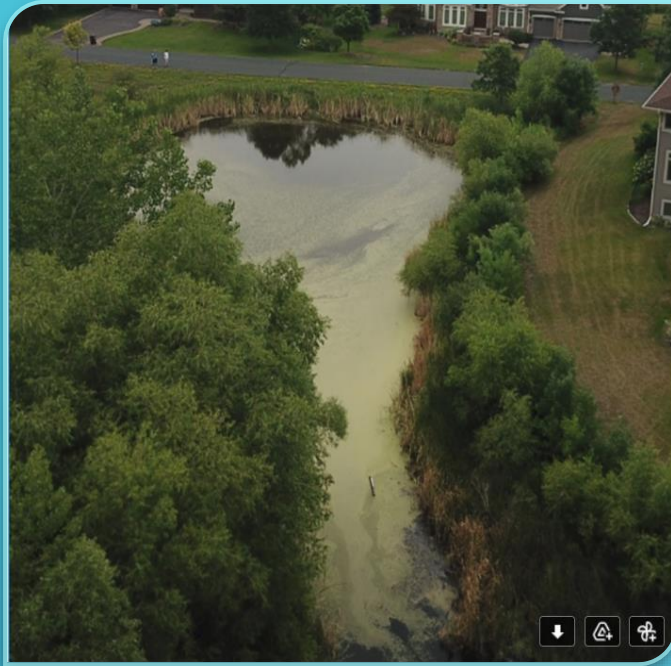
The aerial photo was taken on July 21, 2021, during a drought of Meadow View Pond. and the trail entrance is along Wild Meadows Drive, the existing rock trench and above the roof line notice the filtering vegetation. The photo above the rock trench was taken from Google Earth in 2014 while the sprinklers were on. The newly installed fabric rip rock trench replaced this last vegetation filter before it would flow into Meadow View Pond via treatment train system flowing into Prairie Creek Pond and into Elm Creek Watershed, this photo was taken November 6, 2021. The concern now with rock trench swales and rock trench culverts the pollutants like nitrogen, phosphates, fertilizers, herbicides, pesticides and road salt will no longer be filtered prior to entering the Elm Creek Watershed. This will create a hazardous situation for the homeowners that surround the pond and community.

Children are no longer connected to the natural environment



“Being in nature, or even viewing scenes of nature, **reduces anger, fear, and stress and increases pleasant feelings**. Exposure to nature not only makes you feel better emotionally, it contributes to your physical wellbeing, reducing blood pressure, heart rate, muscle tension, and the production of stress hormones.”

<https://www.takingcharge.csh.umn.edu/how-does-nature-impact-our-wellbeing>



July 21, 2021, Aerial Photo of Prairie Creek Pond taken during a drought in slide #2 in the Treatment Train connecting through a culvert Meadow View Pond flows into this pond before passing through another culvert into the Rock Trench that was created in 2020 to help sell the house next to the swimming pool along Prairie View Road. The pond has degraded significantly in one year and this toxic combination will flow directly out into the Elm Creek Watershed unfiltered.

LOCAL DECISION MAKING HAS RESULTED IN HABITAT DECLINES AND REDUCED WATER PROTECTION

The Rock Trench that was created in 2019-2020 to help sell the house next to the swimming pool along Prairie View Road was done without a permit and informing the HOA Lot Owner Members.

MDA Record Requirements

- Units treated
- Pesticide
 - Dose
 - Rate per Acre
 - Rate per Acre-Foot



MINNESOTA DEPARTMENT OF AGRICULTURE

WATER WARNING

AVOID CONTACT WITH THE WATER

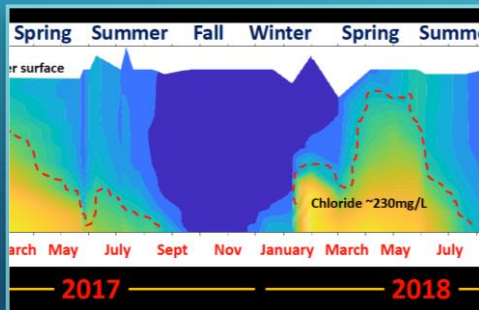
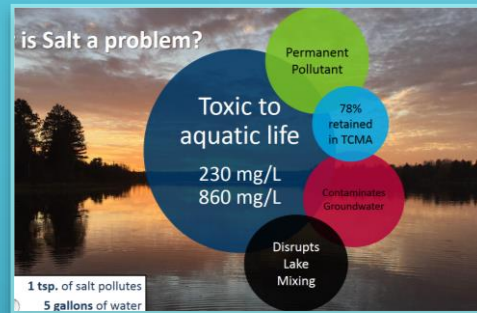
This water contains a blue-green algal bloom that can be harmful to humans and pets.

For your safety:

- Do not swim, waterski, or tube in the water
- Avoid swallowing water
- Stay away from areas of scum when boating



ROAD SALT AND STORMWATER PONDS DON'T MIX



- **Chloride impacts**

Snow melt adds chloride to stormwater ponds in the spring and late winter, and the chloride can stay in the ponds for months—longer than Finlay expected. Because the salty snowmelt entering these ponds is heavier than pure water, the salt sinks to the bottom, forming a salty layer at the bottom of the ponds, with fresher water on top.

- Chloride pollution has three main impacts on stormwater ponds:

- **Chloride toxicity:** Finlay said that the levels of chloride in many of these ponds is “way above the standard for aquatic life.” In addition, there is some evidence that warmer summer temperatures enhance the toxicity of chloride.

- **Heavy metals:** Salt also acts as an extractant, or mobilizer, for metals bound in the sediment at the bottom of stormwater ponds. High levels of salt can increase the concentrations of toxic heavy metals in these ponds.

- **Mixing:** Stormwater pond waters are supposed to mix well, but road salt impairs this mixing. Ideally, these ponds would be mixing often to ensure oxygen reaches the sediments. “They’re mixing very, very infrequently,” Finlay explained. This lack of mixing means that there are very low levels of dissolved oxygen in the bottom waters of the water profile, which is bad for animal and plant life.

SOLUTION

LANDOWNER AWARENESS OF LAND USE AND MANAGEMENT DECISION MAKING

- Enhanced educational opportunities for water-wise property management options
- Better outreach regarding local government decision making, including potential impacts of land use decisions, to allow for increased participation in the local water management decision making process
- Increased monitoring regarding the use of pesticides, herbicide, fertilizer, winter salting and other potentially harmful activities that occur in proximity to our waters

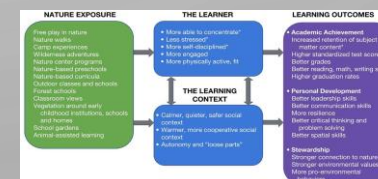


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SOLUTION

PROVIDE OPPORTUNITIES TO CONNECT CHILDREN WITH THE NATURAL WORLD

- Incorporate water management and wildlife habitat sites and activities on school property to meet current HC Conservation Standards (Hennepin County)
- Increase the presence of 'wild' areas within the community landscape to allow children directly observe natural processes
- Create opportunities, through partnerships with the appropriate organizations, to facilitate youth engagement with the 'wild' world



Community Environmental Education



Background: In “green” communities, one of the primary issues is whether local residents, over the long term, will understand and take local action to conserve natural resources as originally intended by the developer. Decisions made by homeowners ultimately determine whether a community functions as a “green” community. For example, people determine which light bulbs to purchase, what types of vegetation to plant (e.g., exotics vs. natives), how much water to use, and whether to ameliorate their yards for wildlife.

Summary of Program: We have developed an environmental education program that will engage the homeowners in understanding and implementing natural resource conservation strategies. The program contains three elements:

1. Interpretive Kiosks: Highly visible interpretive kiosks are placed in a trail system or public areas where people traffic is high. Each of the kiosks contains informative displays that discuss a particular topic, such as water, energy, and wildlife. Kiosks are dynamic and different informative panels can be easily changed.

2. Web Site: A Web site is constructed (in association with the kiosks) that will give detailed environmental information and management strategies pertinent to a community.

3. Brochure: A brochure is given to each new homeowner. This brochure will highlight local natural resource issues and invite homeowners to explore the kiosks in their neighborhood and visit the Web site.

Program Details: Currently, we are implementing this residential environmental education program in several “green” communities in Central Florida. For the kiosks, full-color exterior graphic panels are placed into each kiosk. To date, we have 28 full-color panels that cover seven themes: Water, Energy, Wildlife, Environmental Landscaping, Insects/Pollinators, Lakes, and Natural/Human History. The Web site generally follows the topic themes. The front page is designed as an entry port for a community and is designed to be compatible, in terms of look and feel, with the overall design and flavor of the community. From there, residents can link to various environmental topics and learn more about local resources, issues, and conservation strategies. The brochure functions as a springboard for people to explore the kiosks and Web site. This brochure generally has four panels (front and back) and covers the above topic themes.



Implementation: Overall, a community can implement any combination of kiosks, panels, Web site, and brochure. For example, a community may decide to build two kiosks and use all 28 panels for these two kiosks, Web site, and brochure in combination but in certain instances, a community may want to use the kiosks alone.

Estimated Costs: Approximate materials and construction costs for the signs and panels:

1. 24" x 36" all aluminum Graphic Display Units: \$1,300.00 each
2. 24" x 36" single wood pedestal & aluminum frame Graphic Display Units: \$925.00 each
3. Printing Costs for Full-Color Exterior Graphics (panels): \$80.00 each
4. Printing Costs for 1000 Full-Color Brochures: \$800.00
5. Production Costs: Production costs are variable depending on the topics, the community, and the amount of site-specific information that is needed for the graphic displays or the Web site.



SOLUTION

LOCAL DECISION MAKING HAS RESULTED IN HABITAT DECLINES AND REDUCED WATER PROTECTION



- Local government organizations should ensure that water quality is a factor in land use decisions and changes
- Efforts should be made to restore streams, rivers, and other water channels to a naturalized condition with benefits for water quality and wildlife habitat in conjunction with landowners and homeowner groups, opportunities for restoration should be identified and work begun in a systematic process.
- The highest yield on investment is through the education of the young with asset preservation improvements made to educate, mentor, and address infrastructure and building system requirements preserving all aspects of human and habitat integrity with recorded record data logs of information with photographic monitoring.
- Real-estate asset values will begin with local neighborhood, schools, parks, neighborhoods to engage the community.

POTENTIAL OUTCOMES

Property asset value and integrity is maintained or increased through the protection of natural resources, recorded, retained, managed assets through inspection and examined professionals thus reduced potential for harmful outcomes.

Children improve their understanding and appreciation of the natural world, which will result in reduced stressed, increased satisfaction and living life with purpose and positive attitude.

Community members are more engaged with the natural resource management of their communities, resulting in a better decision-making process.

WE ARE NOT IN THIS ALONE

Landowners

**Homeowners
Associations**

Schools

**Local
Government**

**State
Government**

THANK YOU FOR YOUR TIME

PLEASE BE SURE TO CHECKOUT THE LINKS IN THE FIELD NOTES ON ALL THE SLIDES

Elm Creek Watershed Management Commission
Cost Share Policy
Proposed Revision

To facilitate implementation of improvement projects within the watershed, the Elm Creek Watershed Management Commission's Joint Powers Agreement (JPA) and Section V of its Second Generation Watershed Management Plan provide for a Capital Improvement Program (CIP). The JPA also describes how the costs of capital projects shall be allocated.

The Management Plan proposes to share the cost of high-priority watershed capital improvements and demonstration projects through the CIP. High-priority watershed capital improvements are those activities that go above and beyond general city management activities and are intended to provide a significant improvement to the water resources in the watershed. To be considered for inclusion in the CIP, projects must be identified in a Commission-adopted management plan, approved TMDL, or member local stormwater plan or CIP.

In order to identify projects for inclusion on its Capital Improvement Program, the Elm Creek Watershed Management Commission will accept city proposals for cost-share projects until March 15 of every year. Following that date, the Commission's Technical Advisory Committee will review and score the submittals and make a recommendation regarding additions and revisions to the Commission's existing CIP at their regular May meeting.

The Commission has developed a set of criteria by which proposed projects will be scored, with those projects scoring a certain minimum number of points on the submittal form screening questions advancing to a prioritization stage. (Refer to the Commission's Capital Improvement Program Standards and Guidelines.)

Prior to consideration for funding, a feasibility study or engineering report must be written for the proposed project. The city acting as the lead agency for a proposed project will be responsible for the development of and the costs associated with the feasibility study/engineering report.

The Commission has elected to fund capital projects through an ad valorem tax levy. Under the authority provided by MN Stat 103B.251, Subd. 5, the Commission has the authority to certify for payment by the county all or part of the cost of an approved capital improvement. The Commission will pay up to 25 percent of the cost of qualifying projects. This amount will be shared by all taxpayers in the watershed, with the balance of the project cost being shared by the local government(s) participating in or benefiting from the improvement.

- a. The Commission's maximum annual share of an approved project is up to \$250,000.
 - 1) The Commission's share will be funded through the ad valorem tax levy – spread across all taxpayers within the watershed.
 - 2) The Commission will use a maximum annual levy of \$500,000 as a working guideline.
- b. The cities' share will be a minimum of 75% of the cost of the project. The basis of this apportionment will likely be unique to each project. The 75% share will be apportioned to the cities in the following manner or in some other manner acceptable to them. For example,
 - 1) The area directly benefiting from the project will be apportioned 25% of the cost of the project. This will be apportioned to cities based on the proportion of lake or stream frontage.

- 2) 50% of the cost of the project will be apportioned based on contributing/benefiting area.
- c. The cities will each decide the funding mechanism that is best suited to them for payment of their share, for example through special assessments, storm drainage utility, general tax levy, or watershed management taxing district.
- d. Funding from grant sources may also be used to help pay the costs of the capital projects.

The Elm Creek Watershed Management Commission may consider Commission- or City-generated requests to undertake subwatershed assessments (SWAs). Primarily, SWAs will be completed in rural areas suspected of being high-nutrient loading and will be specific enough to identify potential load-reducing projects. SWAs will be

- a. ~~Identified in areas outside of the Municipal Urban Service Area (MUSA).~~
- b. Supported by the City in which the SWA is located.
- c. Undertaken at the discretion of the Commission.
- d. Funded by a \$15,000 maximum cap (grant or Commission funding) and a 20% match by the City requesting the SWA.

elm creek

Watershed Management Commission

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

TECHNICAL SUPPORT
Ross S. Mullen | ross.mullen@stantec.com
James Kujawa | surfacewatersolutions@outlook.com
Rebecca Carlson | rebecca@resilience-resources.com

STAFF REPORT December 1, 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. In October 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 parties 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. Since Mayers did not agree to the draft settlement proposal from BWSR, the Mayers appeal for the restoration order will be heard by BWSR. Additional timelines and information will be provided to the Commission when available. *No new information was received from the TEP, LGU or BWSR in the month of November..*
- 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. 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. The applicant will be notified of the expiration date. *The project has been in the agenda for three years. Staff will deny the project if the contingencies are not provided by the expiration date.*
- c. 2021-012 The Oaks at Bauer Farm, Champlin.** This 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 receipt of deficit fee escrows.*
- d. 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 recommended 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. The City has confirmed that items 2 and 3 have been addressed and provided the

documents to the Commission on September 1, 2021. *This project will be removed from the report pending receipt of deficit fee escrows.*

e. 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. *WCA information was received October 5, 2021, and meets the wetland conditions of the conditional approval. The only remaining item is reconciliation of the escrow balance.*

f. 2021-018 Tavera (Phase I), Corcoran. This is a 274-acre site north of Hackamore Road (62nd Avenue N) and west of County Road 116. The full residential development would construct 548-units. Phase I of the project will construct 248 units - 114 single-family detached lots and 134 attached townhouse units. Phase I would disturb 85 acres and create approximately 28 acres of new or reconstructed impervious area. Stormwater would be managed by a combination of iron enhanced sand filtration, stormwater reuse, larger than required wetland buffers and disconnected impervious surfaces. The project was reviewed for Rules D, E, F, and I. Staff administratively approved grading for the project in May contingent upon the applicant addressing any future comments necessary to obtain approval from the Commission. *The Commission approved the project at its June meeting contingent upon a recorded operations and maintenance agreement and reconciliation of the escrow balance.*

g. 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. This item will be removed from the report pending reconciliation of the escrow balance.

h. 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 on a maintenance agreement being filed with the City with terms agreeable to the Commission and pending receipt of deficit fee escrows. This project will be moved to the operations and maintenance section of this report.

i. 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. 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.

The Commission approved Staff's recommendations cited in their findings dated July 22, 2021 contingent upon (a) final application escrow fee balance determination by the Commission administrator and (b) provision of a Stormwater Maintenance Agreement for the irrigation system that is acceptable to the city and the Commission within 90 days after the plat is recorded. The only remaining item is reconciliation of the escrow balance. This project will be moved to the operations and maintenance section of this report.

j. 2021-023 Maple Grove MOB, Maple Grove. This project would construct a Medical Office Building and associated parking on an undeveloped parcel. The site is 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 was reviewed for Rules D and E. *The Commission approved this project at its October 2021 meeting contingent on two conditions: receipt of deficit fee escrows and an operation and maintenance agreement with the City.*

k. 2021-024 Riverwalk, Dayton. This site is south of CR 12 (Dayton River Road) and west of River Hills Parkway approximately 1/4 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. The Commission approved Staff's recommendations in their findings dated August 11, 2021, at their August 2021 meeting contingent upon four conditions. *The escrow fees will be reconciled, and this project moved to the O&M section of the Staff report*

l. 2021-025 Hackamore Road Reconstruction, Corcoran/Medina. The cities of Corcoran and Medina plan to reconstruct 1.3 miles of Hackamore Road from just west of CR 116 to CR 101. The project will add 4.4 acres of new impervious surface along the stretch of roadway by widening the roadway, adding turn lanes, pedestrian facilities, and utility improvements. To meet the Commission's stormwater requirements, the project will largely rely on adjacent developments (both existing and proposed) to incorporate BMPs to provide rate control, volume control, and water quality control. Staff reviewed the early application and provided comments to the applicant. *Staff awaits response from the applicant on this project. No recommendation or action at this time.*

m. 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. *This project was approved by the Commission at their September meeting conditioned upon, (a) determination of the final escrow fee balance when all conditions for approval are met and (b) wetland buffer monumentation meeting the Commission's requirements.*

n. 2021-027 Xcel Energy Elm Creek Substation, Maple Grove. Xcel Energy is proposing to expand an existing electrical substation between Maple Grove Parkway and Fernbrook Lane near the Highway 610 expansion. The expansion will occur within the existing 17.09-acre parcel. The project was reviewed for Rules D and E. *The Commission approved this project at its October 2021 meeting contingent on two conditions: receipt of deficit fee escrows and an operation and maintenance agreement with the City.*

o. 2021-028 Cubes at French Lake, Dayton. This is four parcels totaling 71.62 acres located south of 117th Avenue and north of the intersection of 113th Ave. and CSAH 81. The project includes construction of a 996,960 SF industrial building with its associated parking and utility improvements. In addition, the project includes the construction of Dayton Parkway from CSAH 81 to 117th Avenue North. Initial review information was provided to the City and Applicant on August 23. Responses to Staff comments were

provided September 22, October 6, 13, 25 and 27. *Findings dated October 28, 2021, were approved by the Commission at their November meeting. Approval was contingent upon (a) A stormwater system operation and management agreement being approved by the Commission and the City of Dayton. Said agreement must be recorded on the land title within 90 days after the final plat approvals. A copy of the recorded agreement must be provided to the Commission prior to the Commission's final approval, (b) Prior to impacts, wetland and wetland buffer strips must comply with the City of Dayton, Minnesota Wetland Conservation Act, and Commission rules, (c) Permanent easements on wetland and buffer areas, and (d) Final escrow balance determination when final approval is granted (without remaining conditions).*

p. 2021-029 TriCare Grocery, Maple Grove. The project will construct a grocery store, retail, and associated parking on approximately 2.5 acres of the 62.7-acre TriCare parcel, which is located just north of County Road 30 and southwest of I-94. The project was reviewed for Rules D and E. Staff issued a denial in 2016 when the regional stormwater BMP project was constructed. *The Commission approved this project at its November 2021 meeting contingent on two conditions: receipt of deficit fee escrows and reconstruction of the biofiltration basin by the City before August 31, 2023.*

q. 2021-030 TriCare Roads, Maple Grove. This project proposes to construct roads in the 62.7-acre TriCare parcel, which is located just north of County Road 30 and southwest of I-94. The roads will result in 3.8-acres of net new impervious on the parcel. The project was reviewed for Rules D, E, F, G, H, and I. Staff reviewed the applicant's response to comments and recommends consideration of approval with receipt of deficit escrows.

r. 2021-031 Cook Lake Edgewater, Corcoran/Maple Grove. The application is for a 28.4-acre development just north of Bass Lake Road, in Maple Grove municipal boundary. The development includes 60 single-family homes in Maple Grove. A portion of the site in Corcoran which was not submitted for review at this time includes 12 single family homes and senior care /memory centers in Corcoran. This portion of the project will be submitted separately. The project was reviewed for Rules D, E, G, and I. *The project was approved at the November 2021 meeting with four contingencies. This project will be removed from the report pending receipt of deficit fee escrows and complete documentation that the project has met contingencies listed for approval.*

s. 2021-033 Weston Commons, Maple Grove. The project includes construction of 72 new single-family homes on a 10.9-acre site located south of County Road 81 and north of 105th Avenue. The existing property is a single-family home. The project was reviewed for Rules D, E, G, and I. At their October meeting the Commission approved this project contingent upon reconciliation of the escrow balance.

t. 2021-034 BAPS Temple, Medina. This project includes construction of a Hindu Temple, dining hall, gymnasium, parking lot and one permanent residency for the temple's priest on a 19.7-acre parcel at 1400 Hamel Road. The parcel currently serves as a farmstead with a farmhouse and barns. The project was reviewed for Rules D, E, G, and I. The Commission approved this project at its October 2021 meeting contingent on three conditions: reconciliation of the escrow balance, an operation and maintenance agreement with the City, and a geotechnical report provided to the Commission.

u. 2021-035 Mister Carwash, Rogers. The project includes redevelopment of an existing, vacant Staff restaurant building, parking lot, and drive-through into a new carwash facility at 21421 South Diamond Lake Road. The redevelopment is anticipated to decrease the impervious area by approximately 0.3 acres at the project site and add an underground filtration basin with underdrain. The project was reviewed for Rules D and E. Staff administratively approved the project because of the net decrease of impervious and

construction of a stormwater BMP. *This project will be removed from the report pending receipt of deficit fee escrows.*

v. 2021-036 D&D Service, Corcoran. The D&D Service development is proposed at the southeast corner of the intersection of County Roads 10 and 19 on a 16.54-acre parcel. The proposed project will include a large warehouse and office buildings along with parking and associated facilities. The existing site is a single farmhouse and surrounding agricultural land. The project was reviewed for Rules D, E, G, and I. Findings updated October 5, 2021, wherein Staff recommended contingent approval with five conditions, were approved at the October meeting. The conditions were: (1) reconciliations of escrow fees, (2) Corcoran TEP approval of the Wetland Mitigation Plan with and the city maintaining a drainage and utility easement for existing and proposed on site wetland; (3) applicant's consideration and response to Staff comments on plan and provision of final data prior to approval; (4) applicant's response to any City comments; and (5) provision of a Stormwater Maintenance Agreement acceptable to the city and the Commission within 90 days after the plat is recorded. The applicant requested permission to begin grading, Staff received and reviewed revised information on October 5, 2021, and determined it meets Commission standards.

w. 2021-037 Marsh Point, Medina: The Marsh Point project (also called the Arrowhead Drive project) includes construction of 38 single-family homes on the east side of Arrowhead Drive, west of Lake Medina. The development will replace four existing homes. The project is being reviewed for Rules D, E, F, G, and I. *Staff reviewed the applicant's response to comments and recommends consideration of approval with conditions: 1) receipt of deficit escrows , 2) a Stormwater Maintenance Agreement, including irrigation system, being entered with the City, 3) A wetland replacement plan is approved by the LGU and the TEP, 4) the buffer plan is contingent upon approval of the wetland replacement plan.*

x. 2021-038 Bellwether 6th/Amberly, Corcoran: The Bellwether 6th Addition and Amberly 1st Addition are developments in the city of Corcoran just west of County Road 101 and south of Stieg Road proposed for single-family homes. The developments are part of a 74 acre parcel also known as the Van Blaricom development. This project is located immediately west of the previous Bellwether developments (Encore) and is being reviewed for Rules D, E,F, G, and I. A complete permit application was received October 5, 2021. Staff provided comments to the applicant *and received a response. Staff has provided conditional approval to begin with erosion control and grading and will recommend conditional approval at the December 2021 Commission meeting.*

y. 2021-039 I94 Logistics Center, Rogers. This is a 30.90-acre site located between I-94 on the west and County Road 13 (Brockton Lane) on the east. A proposed warehouse, parking lot, and loading dock will create 12.5 acres of new impervious on the site, which is currently undeveloped. Approximately 12.25 acres of the parcel is in a conservation easement to protect woodlands and wetlands and cannot be developed. The project was reviewed for Rules D, E, G, and I. The Commission approved this project at its October 2021 meeting contingent on three conditions: reconciliation of the escrow balance, an operation and maintenance agreement with the City, and a WCA reapproval of the proposed wetland impacts.

z. 2021-040 NAPA Auto Store, Corcoran. This project is located at the northwest intersection of CR 116 and 75th Avenue on the old Liquor Store parcel. The applicant proposes to demolish the current building and adjoining parking areas and construct a 12,800 SF NAPA Auto building, parking lot and associated utilities. An extra 3,600 feet of building area is proposed for future expansion and is included within the stormwater management design for this site. *The Commission approved this project at their October 2021 meeting contingent upon receipt of any outstanding project review fees and a stormwater maintenance agreement be-*

ing put in place between the owner and the City with terms acceptable to the Commission and filed on the land title within 90 days after City site plan approval. This item will be moved to the O & M section of this report.

aa. 2021-041 Carlson Ridge, Plymouth. This is an existing 4.82-acre residential lot located between Vagabond and Troy Lanes just north of 56th Avenue North. The property will be subdivided into 13 single-family lots. The existing residence will remain, but portions of the driveway and an outbuilding will be demolished. *The Commission approved this project at their October 2021 meeting contingent upon, (1) final escrow balance determination when final unconditional approval is granted, (2) wetland impacts cannot occur until appropriate LGU and WCA approvals, and (3) long term operation and maintenance of the stormwater system is determined. The City of Plymouth has agreed to the long-term operation and maintenance of the filter basin so Items 1 and 2 are the only outstanding conditions as of this update. This item will be moved to the O & M section of this report.*

ab. 2021-042 Risor Senior Living, Maple Grove. This is a 3.19-acre project site for construction of senior living located within approved Project Review #2020-002 of the Planned Unit Development (PUD) Project 100. The project was reviewed for Rule E. Because the project proposes 72% impervious on a site that was assumed to have 80% impervious and the project follows best practices and Commission rules regarding erosion and sediment control, Staff administratively approved the project. This project will be removed from the report pending reconciliation of fee escrow balance.

ac. 2021-043 Northwood Community Church, Maple Grove. The existing project site is owned by Northwoods Community Church and functions as church offices. The proposed project demolishes these office buildings and constructs a church on the 10.56-acre parcel. The project is being reviewed for Rules D, E, G, and I. The applicant is working on revisions requested by Staff and no recommendation is available for the Commission at this time.

ad. 2021-044 Balsam II Apartments, Dayton. This is a vacant 2.5-acre lot with an existing regional stormwater basin along its easterly property line. It is located on the east side of Balsam Lane approximately 600 feet north of S. Diamond Lake Road and 600 feet south of CR12. The applicant proposes to construct an apartment building with associated infrastructure as well as expand the regional pond on the east side of the site and add an infiltration basin in the parking area for volume management. Staff findings dated October 25, 2021, were provided to the applicant without a recommendation to the Commission. *As of this update, no revisions have been received. The 15.99 deadline of November 28 was extended by Staff to January 27, 2022.*

ae. 2021-045 REO Plastics Phase II, Maple Grove. *An existing plastics manufacturing facility on the northwest corner of the intersection of County Roads 80 and 30 is proposing a 1.25-acre expansion. The proposed project is for creation of an additional 39, 000 SF of warehouse space, additional parking, and an expansion of the city-owned regional stormwater pond immediately to the east of the site. The project was reviewed for Rules D and E. Staff reviewed the applicant's response to comments and recommends consideration of approval with conditions: 1) receipt of deficit escrows , 2) a Stormwater Maintenance Agreement, including irrigation system, being entered with the City, 3) A wetland replacement plan is approved by the LGU and the TEP, 4) the buffer plan is contingent upon approval of the wetland replacement plan.*

af. 2021-046 Len Busch Roses, Plymouth. *This project proposes to add an additional 25,00-square foot greenhouse on this site, disturbing 1.70-acres and creating 0.64-acres of new impervious on the site. An application and fee were received November 12. The applicant has not yet provided all required technical submissions for Staff to complete a review. The project will be reviewed for Rules D and E.*

ag. 2021-047 CR 10 Box Culvert Replacement, Corcoran. Hennepin County will be replacing an existing 6'x10'x30' box culvert with a 6'x6'x111', 6'x4x102" and a 24" CMP pipe to replicate the existing flows of Hennepin County Ditch #16 under CR 10. The project is being reviewed for Rules D, E, F, G, and H. The project is being reviewed for Rules D, E, F, G, and H. *The applicant is working on revisions requested by Staff. No recommendation is available for the Commission at this time.*

ah. 2021-048 Bellwether-Newman West, Corcoran. *This parcel is the most recent phase of the Bellwether/Encore development. It is in the southwest 58-acre quadrant of the overall project (previously called the Encore development) located west of CR 101, south of Stieg Road and north of CR 30. It was reviewed for grading and erosion control and consistency with the previous approvals. The original phase I grading and the overall stormwater management plans for this project were approved by the Commission under project 2018-032. Staff's review, findings and decision dated November 24, 2021 are included as an informational item in this packet. Staff administratively approved the project with the following four conditions. (1) Approval is contingent upon final application escrow fee balance. Additional payment or refund of the fees will be determined when all conditions for approval are met, and (2) Wetland replacement plan approvals from the LGU must be provided for the Commission's review and must be approved by the LGU prior to any temporary or permanent impacts, and (3) Long term operation and maintenance of the regional and localized basins must be provided. If the City will not operate and maintain the basins, the applicant must provide an O & M plan for the basins on site that is acceptable to the City and Commission. Said plan must be recorded within 90 days after the plat is filed or a building permit is issued. A copy of the recorded O & M plan must be provided to the Commission, and (4) Corcoran grading approval.*

ai. 2021-049 Dayton Business Interchange, Dayton. *This is a 14-acre site, proposed to be developed into a 124,000 SF office/warehouse building along with truck staging area, parking areas and related utilities. Two filtration basins are proposed for stormwater management and construction of 6.93 acres of new impervious areas. Preliminary comments and request for revisions were provided to the applicant on November 19. No revisions or updates to the plan have been received as of this update. The decision deadline expires January 7, 2022. Staff will extend the deadline prior to that date. This project will come to the Commission when a recommendation can be given.*

aj. 2021-050 Evanswood, Maple Grove *The proposed Evanswood development will construct single-family and townhomes in the northwest corner of Maple Grove, disturb 102.7-acres, and create 37.6-acres of net, new impervious surfaces. The project will be reviewed for Rules D, E, F, G, and I. At this time, the Commission has received payment and city approval to begin a review but has not yet received a project narrative, any technical submittals, or construction drawings from the applicant. No recommendation is available for the Commission at this time.*

ak. 2021-051 Fields of Nanterre, Plymouth *This project is the proposed maintenance of an existing drainage swale to remove accumulated sediment and cattails. The project does not create any new impervious surfaces. The project triggers Rules E and G. Pursuant to Commission Resolution No. 2005-01, Staff administratively approved the project contingent on 1) final escrow balance being reconciled and 2) an approved wetland no-loss decision or alternate approved wetland decision type being submitted to the Commission.*

al. 2021-052 Norbella Senior Living, Rogers. *This project will construct a 40-unit senior living facility on South Diamond Lake Road. The proposed disturbance is 2.4-acres with net, new impervious surfaces of 1.4-acres. The project is being reviewed for Rules D and E. A complete project application was not received in time to include detailed information in this month's staff report. Findings with a recommendation should be available for the Commission at their next meeting.*

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

ba. 2014-015 Rogers Drive Extension, Rogers. This project involves improvements along Rogers Drive from Vevea Lane to Brockton Lane. 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.

bb. 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. *On November 2, 2021, Derek Asche reported no update for this project.*

bc. 2016-005W Ravinia Wetland Replacement Plan, Corcoran. In December 2016, the Commission approved Staff's recommendations on this wetland replacement plan. Barr Engineering is providing monitoring to ensure the replacement meets the performance standards of the approved plans. Annual reports were submitted to the US Army Corps of Engineers (USACE) in February 2019, February 2020, and March 2021. *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.*

bd. 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.

be. 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.

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.

On November 10, 2021 Cantareo reported that all work is complete and conditions have been met. Since these are City-owned ponds no agreement is required. This project will be removed from the report.

bf. 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.

bg. 2018-048 Faithbrook Church, Phase 2, Dayton. This project is an expansion of an existing church located northeast of the intersection of Fernbrook Lane and Elm Creek Road. The Commission approved this project in November 2018 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, likely 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.

On November 10, 2021, Cantarero reported that all work is complete and the City has the O&M agreement. *This project will be removed from the report pending receipt of a copy of that agreement.*

bh. 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 was for compliance with Commission Rules D and E. In February 2019 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. *On November 2, 2021, Heather Nelson reported that the O&M Agreement has been recorded on the property title and the pond outlet has been installed with approval from Three Rivers Park District. Nelson provided a copy of the O&M Agreement to the Commission. This project will be removed from the report.*

bi. 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.

bj. 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 awaiting the O&M plan.

bk 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 O&M plan approved by the City and Commission and recorded on the title for this property, with a copy provided to the Commission. *On November 2, 2021, Derek Asche reported no update for this project.*

bl. 2019-032 OSI Expansion, Medina. This 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 on 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. *On November 2, 2021, Dusty Finke provided the Commission with a copy of the recorded O&M agreement. This project will be removed from the report.*

bm. 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. Stormwater management for this lot is part of the regional stormwater system approved by the Commission for project 2016-002. Commission rules require compli-

ance 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. *On November 2, 2021, Derek Asche reported no update for this project.*

bn. 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.

On November 10, 2021 Cantarero reported that work is currently ongoing in the second addition. These will be publicly-owned ponds.

bo. 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 was 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 and the Commission. The agreement must be recorded on the land title with a copy of the recorded agreement provided to the Commission.

bp. 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. The 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 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. *On November 2, 2021, Dusty Finke provided the Commission with a copy of the recorded O&M agreement.*

bq. 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.

On November 10, 2021 Cantarero reported that construction is significantly complete pending final inspection. He will confirm that the O&M agreement has been received.

br 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 and with minor updates to the hydrology report and the SWPPP. The Commission approved Staff recommendations at their December 9, 2020, meeting.

bs. 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.

bt. 2020-036 Balsam Pointe, Dayton. This project will create 98 residential units on a 10-acre site near the intersection of Diamond 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 was 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.

On November 10, 2021 Cantarero reported that site improvement are complete and building construction has begun. The O&M agreement has been received. A copy will be provided to the Commission.

bu. 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.

bv. 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 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 was reviewed for Rules D, E, G, and I. *The project was approved by the Commission at its July 2021 meeting contingent upon receipt of 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.*

TriCare Grading / Roads

Maple Grove Project #2021-030

Project Overview:

Location: The TriCare parcel is southwest of the interchange of Interstate 94 and Highway 610 in Maple Grove, MN. The project is located on north side of County Road 30 and includes an extension of Garland Lane N and 96th Avenue North.

Purpose: The project proposes grading and construction of roads and a stormwater basin. The project review is for the proposed extension of Garland Lane North, proposed extension of 96th Avenue North, and proposed stormwater basin with filtration bench. The roads will provide access to future development in the TriCare site. The future development is not included in this review.

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

Applicant: TRI-CARE C/o Park Nicollet

Address: 3800 Park Nicollet Blvd St. Louis
Park, MN 55416
Loucks

Attention:

Phone: 952-993-5672

Email: gregory.harris@parknicollet.com

Agent:

Address: 7200 Hemlock Lane
Maple Grove, MN 55369

Attention: Vicki VanDell

Phone: 612-559-6761

Email: vvandell@loucksinc.com

Exhibits:	Description	Date Received
<i>Application</i>	<input checked="" type="checkbox"/> Complete ECWMC Application	August 12, 2021
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	August 9, 2021
	<input checked="" type="checkbox"/> City authorization: Maple Grove, MN	August 3 2021
	<input checked="" type="checkbox"/> Review fee: \$4,050	August 12, 2021
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	August 9, 2021

Submittals

1. Elm Creek Watershed Management Commission Project Review Fee Schedule
2. Site Construction Plans, prepared by Loucks, dated August 4, 2021

- a. Construction drawing *Details* revised on August 31, 2021, September 13, 2021, September 24, 2021; October 7, 2021
 - b. Erosion and Control sheet *SWPPP* prepared by Loucks dated July 23, 2021, revised on August 4, 2021, August 31, 2021, and September 13, 2021
 - c. *Wetland Buffer Plan*, prepared by Loucks, dated July 23, 2021, revised on August 4, 2021, August 31, 2021, September 13, 2021, and September 24, 2021
 - d. *Grading Plan*, prepared by Loucks, dated July 23, 2021, revised on August 4, 2021, August 31, 2021, and September 13, 2021
3. *Elm Creek Watershed Management Commission Request for Plan Review and Approval*, dated August 6, 2021
4. *Stormwater Management Plan*, prepared by Loucks Associates, dated July 23, 2021, and Revised August 4, 2021 (subsequently revised September 1, 2021, and September 24, 2021)
 - a. *Stormwater narrative*
 - b. *Existing Conditions Drainage Map*, prepared by Loucks, dated July 23, 2021, and revised on September 1, 2021
 - c. *Proposed Conditions Drainage Map*, prepared by Loucks dated, dated July 23, 2021 and revised on September 1, 2021
 - d. *Existing HydroCAD model run for the 2-, 10-, and 100-year events*, dated July 23, 2021; revised November 5, 2021
 - e. *Proposed HydroCAD model run for the 2-, 10-, and 100-year events*, dated July 23, 2021; revised November 5, 2021
 - f. *PondNet Model, Existing and Proposed Conditions*, not dated
 - g. *MIDS Calculator Model, Existing and Proposed Conditions*, dated July 23, 2021
 - h. *Geotechnical Exploration and Engineering Review*, prepared by Northern Technologies LLC, dated July 16, 2021 (included on September 1 and September 24, 2021, revisions)
 - i. *Floodplain Impacts and Compensatory Storage drawings* dated November 10, 2021
5. *Wetland Conservation Act Notice of Decision*, prepared by City of Maple Grove, dated July 9, 2019, and approved August 7, 2021
6. *City of Maple Grove Tri Care 4th Addition Street and Utility Improvements. City Project No. 21-11*, prepared on behalf of the city of Maple Grove by Stantec, dated August 3, 2021

Findings

General

1. A complete application was received August 12, 2021. The initial 60-day decision period per MN Statute 15.99 expired October 11, 2021. It was extended by an additional 60-days to December 10, 2021.
2. The 90+ TriCare parcel was the site of a proposed hospital campus that is no longer planned for construction. The site is being subdivided into smaller portions and sold separately, this project review is for 60.2-acres of the TriCare site. The entire site ultimately drains to a wetland in the northeast corner of the site (Wetland #3) then into a small, ditched channel that flows southeast along Interstate 94 and discharges to Rice Lake.
3. The existing conditions of the project site are agricultural fields and wetlands.
4. The current project proposes to grade and construct public improvements (i.e. roads) to accommodate future development on the site. The project review is for the proposed extensions of 96th Avenue North, Garland Lane North, associated roundabout, and a proposed stormwater pond with filtration bench and iron-enhanced sand filter.

5. The public improvements work will disturb 24-acres of the 60.2-acre parcel and create 3.795 acres of net, new impervious surfaces for the roads. An additional 4.9-acres will be graded and disturbed as right-of-way adjacent to the roads. The remainder of the disturbance is clearing and grading for future development on the property.
6. A single stormwater basin with an iron-enhanced filtration bench, east of and adjacent to the proposed 96th Avenue North will be constructed and function as volume, water quality, and rate control. It should be noted that this treatment device only captures the impervious area proposed by the roadways and pervious right of way, not future buildout of adjacent sites (i.e. it is not a regional pond).
7. Five hydrologically connected wetlands were delineated in the 90+ acre TriCare site, three of them in the 60.2-acre project parcel. Wetlands identified as Wetlands #3 and 4 are MNDNR Public Waters Wetlands. The project proposes 1.6374 acres of permanent wetland impacts, which includes 0.3867 acres of impact to Wetland 5, for which the applicant received an incidental determination from the LGU. Wetland impacts of 1.2507 acres (less Wetland 5) will be mitigated at a 2:1 ratio through purchase of wetland bank credits (2.5014-acres of credits). The city of Maple Grove, which is the LGU, requires that a minimum of 1.2507 acres of wetland credits (half the total amount) must be in Hennepin County. The bank account number was not determined at the time of the approval.
8. Wetlands 3 and 4 together are designated as Elm Creek WMC upland flood storage area #5.
9. A small existing farm crossing spans a narrow channel between Wetlands #3 and #4 as is proposed to be replaced with a larger roadway embankment and larger pipe. Replacement a culvert or bridge within a floodplain triggers ECWMC Rule H *Bridge and Culvert Crossings*.
10. Because soil borings indicate silty sand, lean clay with sand, and clayey sand as underlying soils throughout the site and beneath the proposed basin footprints, infiltration is not feasible.

Rule D – Stormwater Management (plans)

Rate Controls

1. Rate control measures **meet** Commission standards.
2. Rate control for the site was provided by a stormwater basin with filtration bench, including iron-enhanced sand filter, that collects runoff prior to discharging to the Wetland #3 adjacent to Outlot A (east side of the site).
3. The applicant provided proposed HydroCAD model output for the 2-year, 10-year, and 100-year events which are summarized in Table 1.

Table 1 Rate of Discharge Leaving Site

Direction	Condition	2-year (cfs)	10-year (cfs)	100-year (cfs)
Inflow to Wetland #3 <i>(Northeastern Point of Site)</i>	Pre-Project	66.5	140.3	288.5
	Proposed	58.0	119.6	255.1
	Change	-8.5	-20.7	-33.4

Low Floor Elevations

1. No buildings are currently proposed in the vicinity of the stormwater basin as part of the current project. This **meets** Commission standards.

Abstraction Controls and Water Quality

Abstraction controls **meet** Commission requirements. Water quality controls **meet** the Commission's standards.

1. The applicant intends to provide abstraction control and water quality treatment by using a stormwater basin with filtration bench, including iron-enhanced sand filter to remove pollutants.
2. New impervious areas will be 3.795 acres requiring abstraction of 15,153 cubic feet. It should be noted that this treatment volume only captures the impervious area proposed by the roadways, not future buildout of adjacent sites.
3. Full infiltration of 1.1 inches of runoff from impervious areas is not feasible due to low infiltration capacity soils.
 - a. Soil borings completed by Northern Technologies, LLC on June 24, 2021 were reviewed and confirm the design assumptions relating to low infiltration capacity of native soils at the site.
4. The applicant has provided a stormwater pond with a filtration bench sized to filter 16,753 cubic feet of stormwater within 48 hours to meet the Commission's drawdown requirements.
5. An iron-enhanced sand filter is proposed in the filter bench to remove additional dissolved phosphorus.
6. Dead storage in the pond of the amount 1.97 acre-feet (85,632 cf), which exceeds the runoff from the 2.5-inch event.
7. The applicant used a MIDS calculator, PondNET models, and used Elm Creek WMC Phosphorus Loading to demonstrate water quality compliance for the project. Elm Creek WMC technical staff also completed an independent analysis using the MIDS calculator, the results of which are shown in the table below.

Table 2 Abstraction Control and Water Quality Criteria Summary¹

	Annual Runoff Vol. (ac-ft)	Abstraction Vol. (cubic feet)²	TP (lbs/year)	TSS (lbs/year)
Pre-Project	4.86	N/A	4.0	720.2
Proposed (w/o BMP's)	10.79	15,153 (required abstraction)	8.8	1,599.9
Proposed (w/ BMP's)	9.65	16,753	1.4	45.7
Change	+4.79	+1,600 (excess) 16,753 (total)	-2.6	-674.5

¹ Analysis completed in MIDS calculator by ECWMC technical staff for only the roads and right-of-way (8.69-acres of which 3.795-acres is impervious in proposed conditions) and not land conversion of the entire site.

Operation and Maintenance

The city of Maple Grove will take ownership then maintain this stormwater BMP's because it manages stormwater runoff and treatment from public roads.

Rule E – Erosion and Sediment Control (plans)

1. Plans **meet** Commission requirements for erosion and sediment control.
2. The erosion and sediment control plans are consistent with current best management practices, including:
 - a. Rock construction entrance
 - b. Silt fence
 - c. Double (redundant) silt fence adjacent to delineated wetland boundaries
 - d. Catch basin inlet protection
 - e. Stabilization of disturbed soil areas.

Rule F – Floodplain Alterations

1. Plans **meet** Commission requirements for floodplain.
2. Wetlands 3 and 4 are designated as Elm Creek WMC upland flood storage area #5.
3. Elm Creek WMC upland flood storage area #5 is not a FEMA floodplain.
4. Fill below the flood elevation of Wetlands 3 and 4 (Elm Creek WMC flood storage Area 5) is proposed to expand the width of the existing crossing as part of road construction, requiring at least 713 cubic yards of compensatory storage. The applicant provides 745 cubic yards of compensatory storage to offset this amount.

Rule G – Wetland Alteration

Wetland alterations **meet** the Commission's requirements

1. The applicant submitted wetland fill and replacement plans that have been approved by the LGU (City), to demonstrate compliance with the Wetland Conservation Act.
2. Existing Wetlands #3 and 4 in the project site will be partially filled. The total wetland impact is 1.2507 acres.
3. Wetland #5 was determined to be incidental and will be completely filled.
4. The city of Maple Grove is the LGU in charge of administering the Minnesota Wetland Conservation Act (WCA).
 - a. A wetland replacement plan was approved by the city of Maple Grove in 2019.
 - b. Wetland replacement in the amount of 2.5014 acres (2:1) is required by the city of Maple Grove.
 - c. The city of Maple Grove requires that at least half of the wetland replacements must be in Hennepin County. A wetland bank was not specified in the 2019 approval.
5. Pretreatment of discharge into the wetland to north is provided by the proposed stormwater basin.

Rule H– Bridge and Culvert Crossings

1. Plans **meet** Commission requirements for floodplain bridge and culvert crossings.
2. The existing 18-inch agricultural crossing that is over the channel connecting Wetlands 3 and 4 (both classified as ECWMC upland flood storage area #5) is to be replaced with a 36-inch.
3. The applicant and ECWMC staff reviewed the city's existing HydroCAD model and watershed's 2007 floodplain analysis to ensure the proposed culvert replacement meets the Commission's standards. Both the city's model and the watershed's 2007 floodplain analysis show that downstream Wetland #3 has a higher base flood elevation than upstream Wetland #4 due to

local runoff. The increase in pipe size allows for better aquatic species migration and to better functions as an equilibrium pipe between the two wetland areas, with change to the base flood elevation of less than one inch. Because this is not a FEMA floodplain, this meets Commission standards.

Rule I – Buffer Strips

Plans **meet** Commission requirements for buffer strips.

1. Most of the site uses 10-foot buffer strips with large tracts set aside that far exceed 25-feet in width. Overall, the average buffer strip width is 25.2-feet, which meets Commission requirements.
2. The wetland buffer vegetation will meet the Commission requirements for native vegetation establishment and maintenance.
3. Wetland buffer monumentation will meet the Commission's requirements.

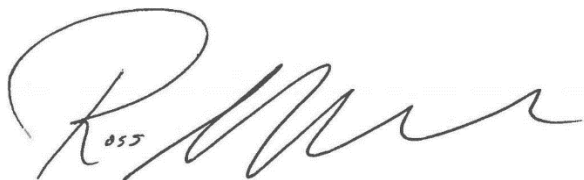
Recommendation

Contingent Approval

Conditions for Approval

1. Approval is contingent upon final application escrow fee balance. Additional payment or refund of the fees will be determined when all conditions for approval are met.

On Behalf of Wenck (now part of Stantec Consultants, Inc.)
Advisor to the Commission



11/15/2021
Date

Attachments

- | | |
|----------|------------------------------------|
| Figure 1 | Project Location |
| Figure 2 | Existing Drainage Map |
| Figure 3 | Proposed Drainage Plan |
| Figure 4 | Erosion and Sediment Control Plan |
| Figure 5 | Wetlands in Project Vicinity |
| Figure 6 | Wetlands Buffers Shown in Gray |
| Figure 7 | ECWMC Upland Flood Storage Area #5 |
| Figure 8 | Compensatory Storage |

Figure 1 Project Location

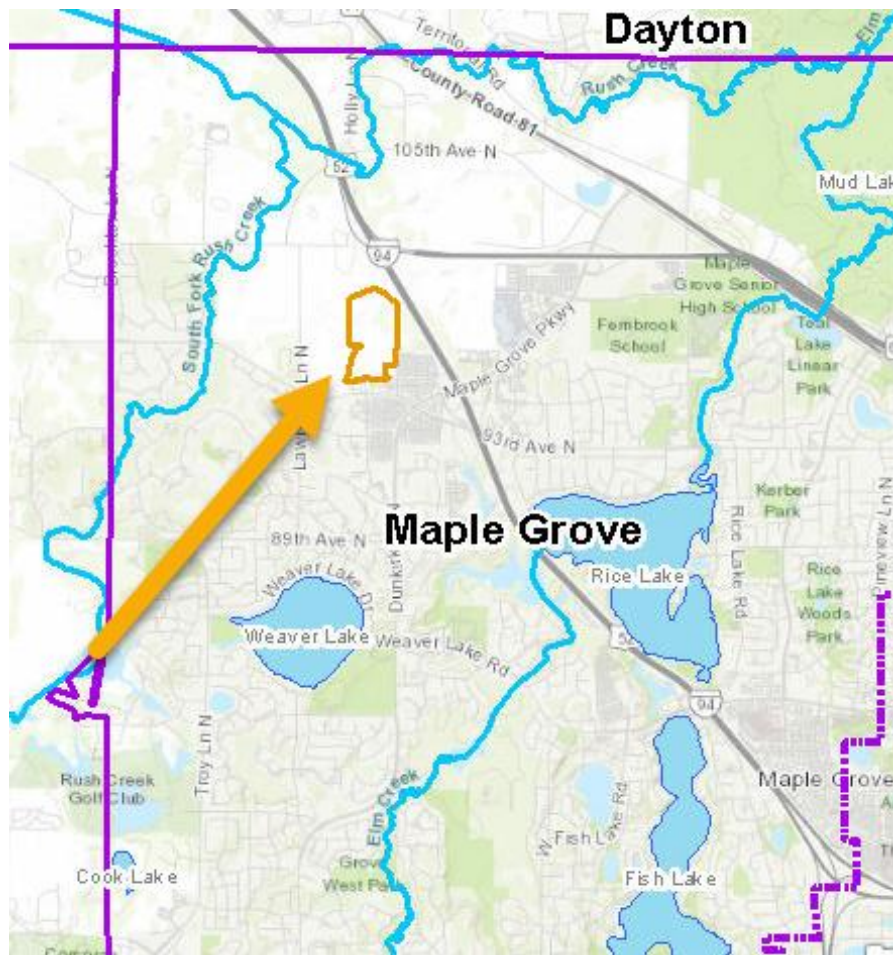


Figure 2 Existing Drainage Map

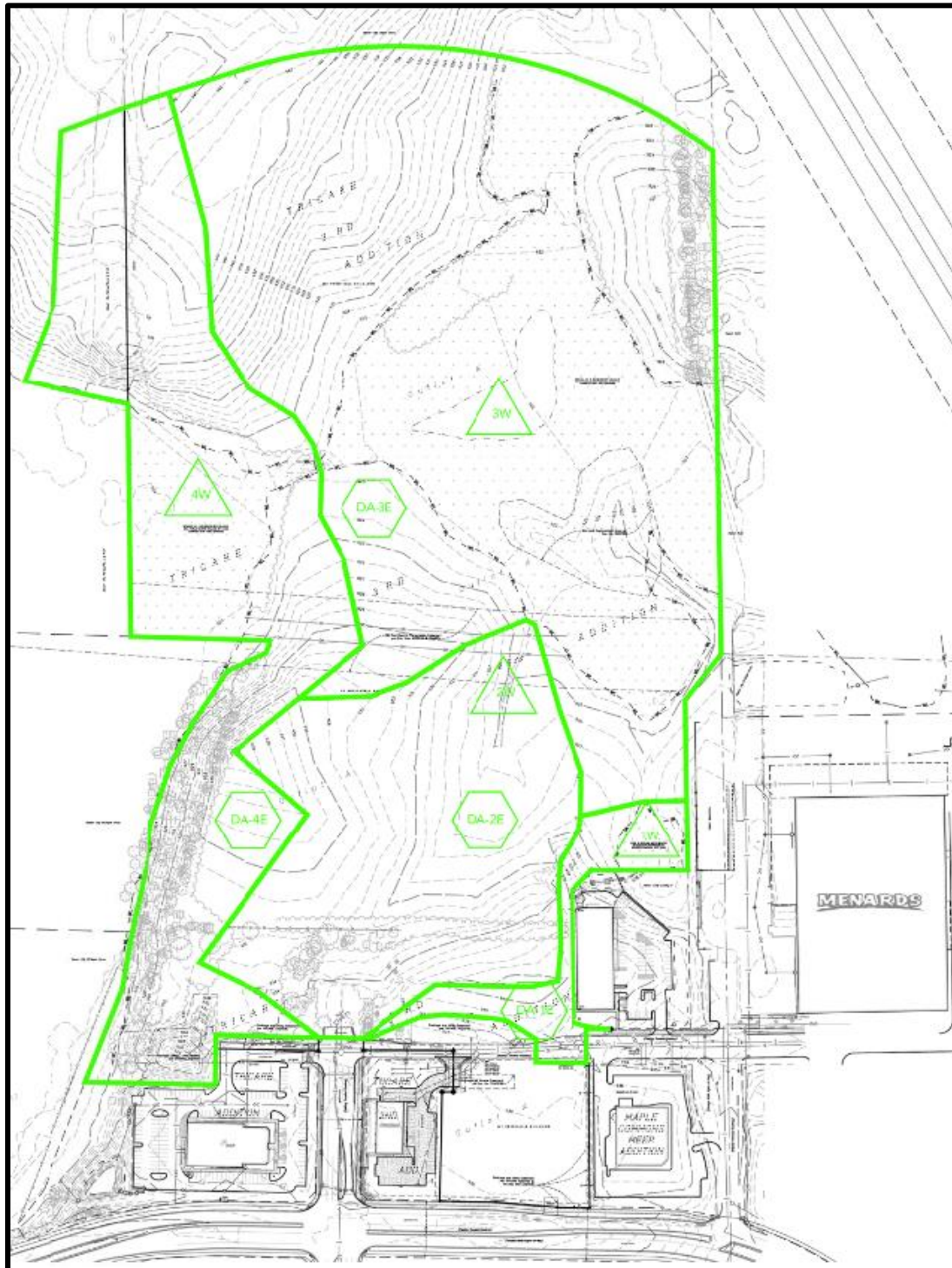


Figure 3 Proposed Drainage Plan

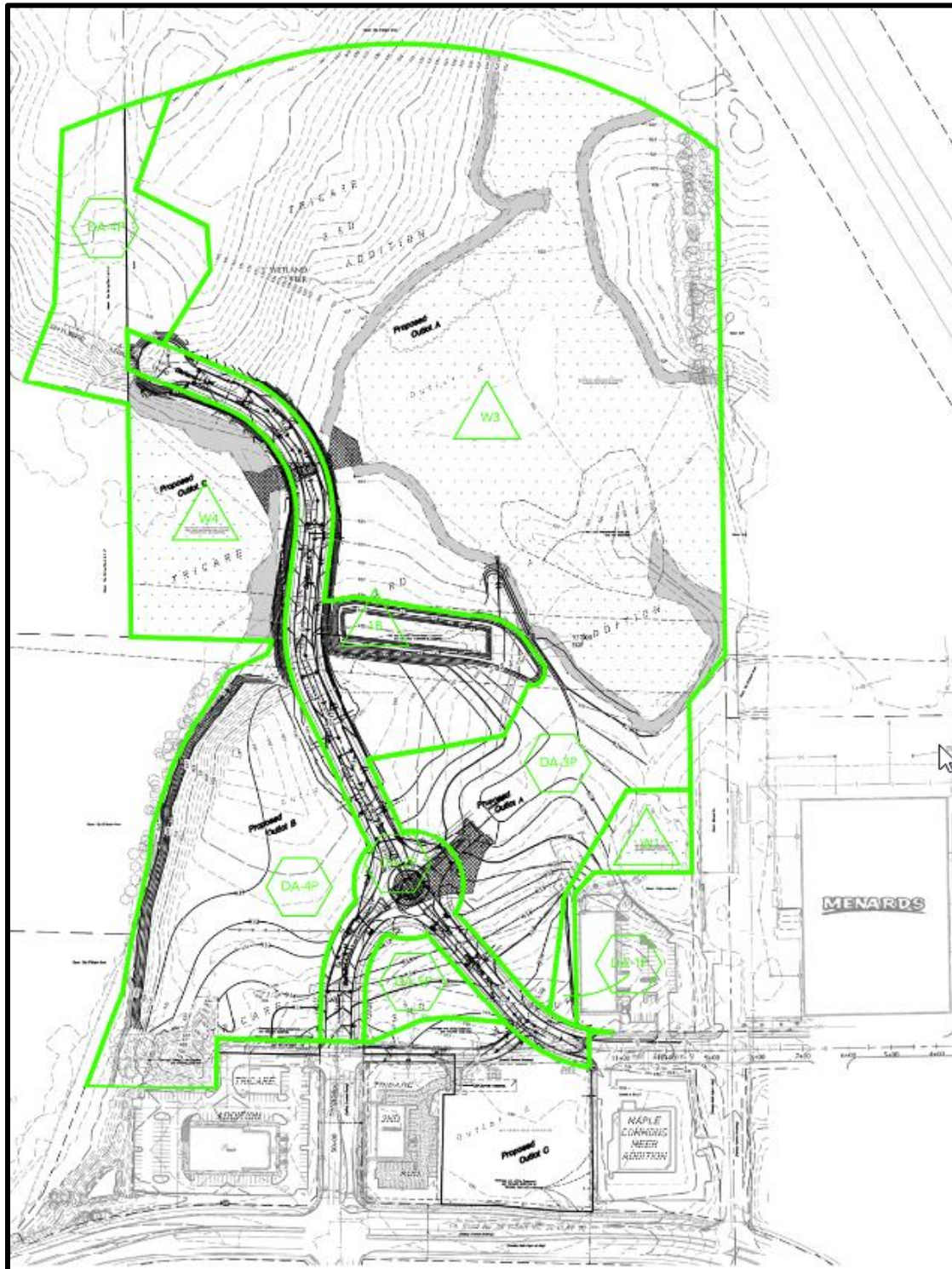


Figure 4 Erosion and Sediment Control Plan

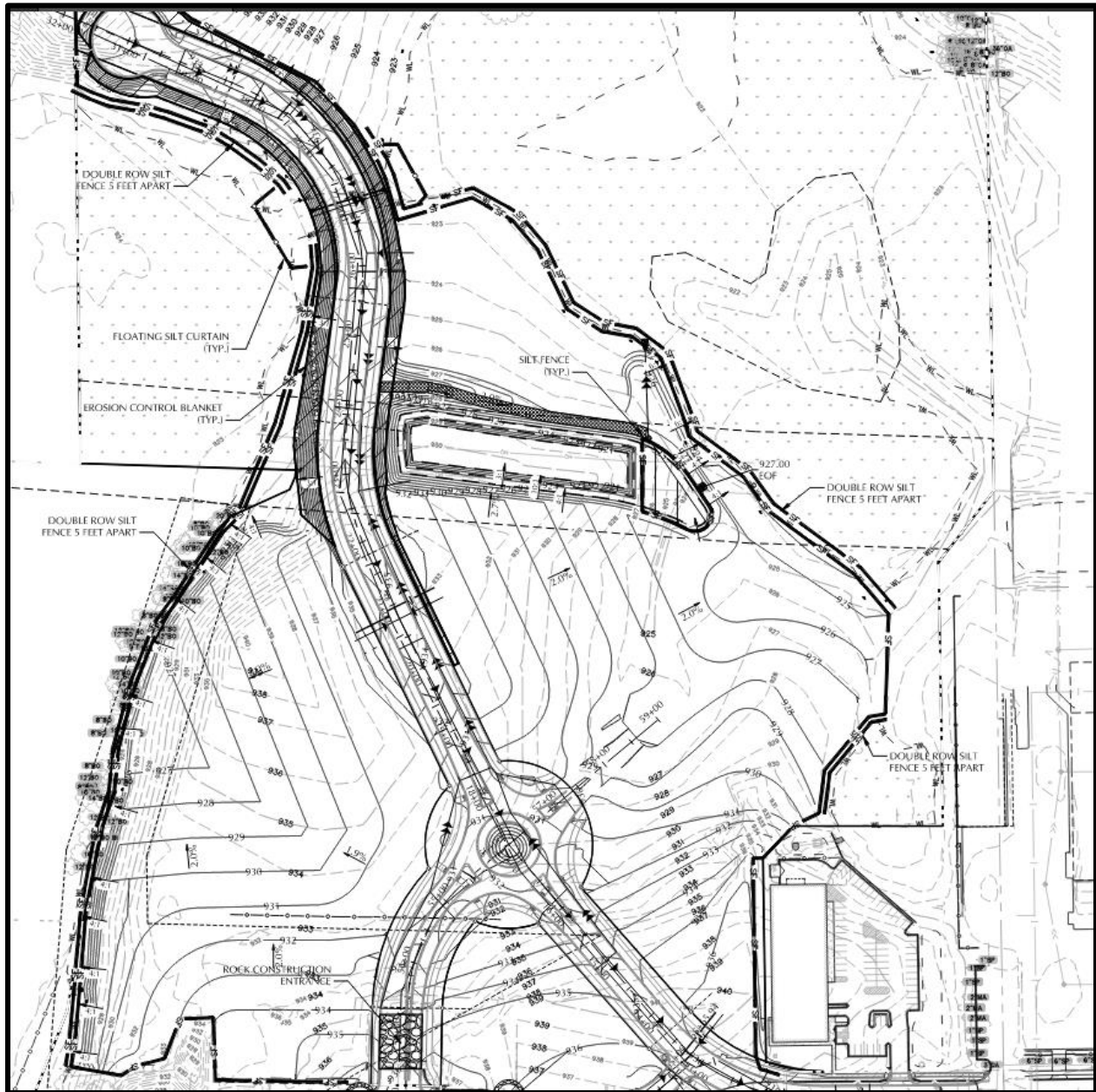


Figure 5 Wetlands in Project Vicinity

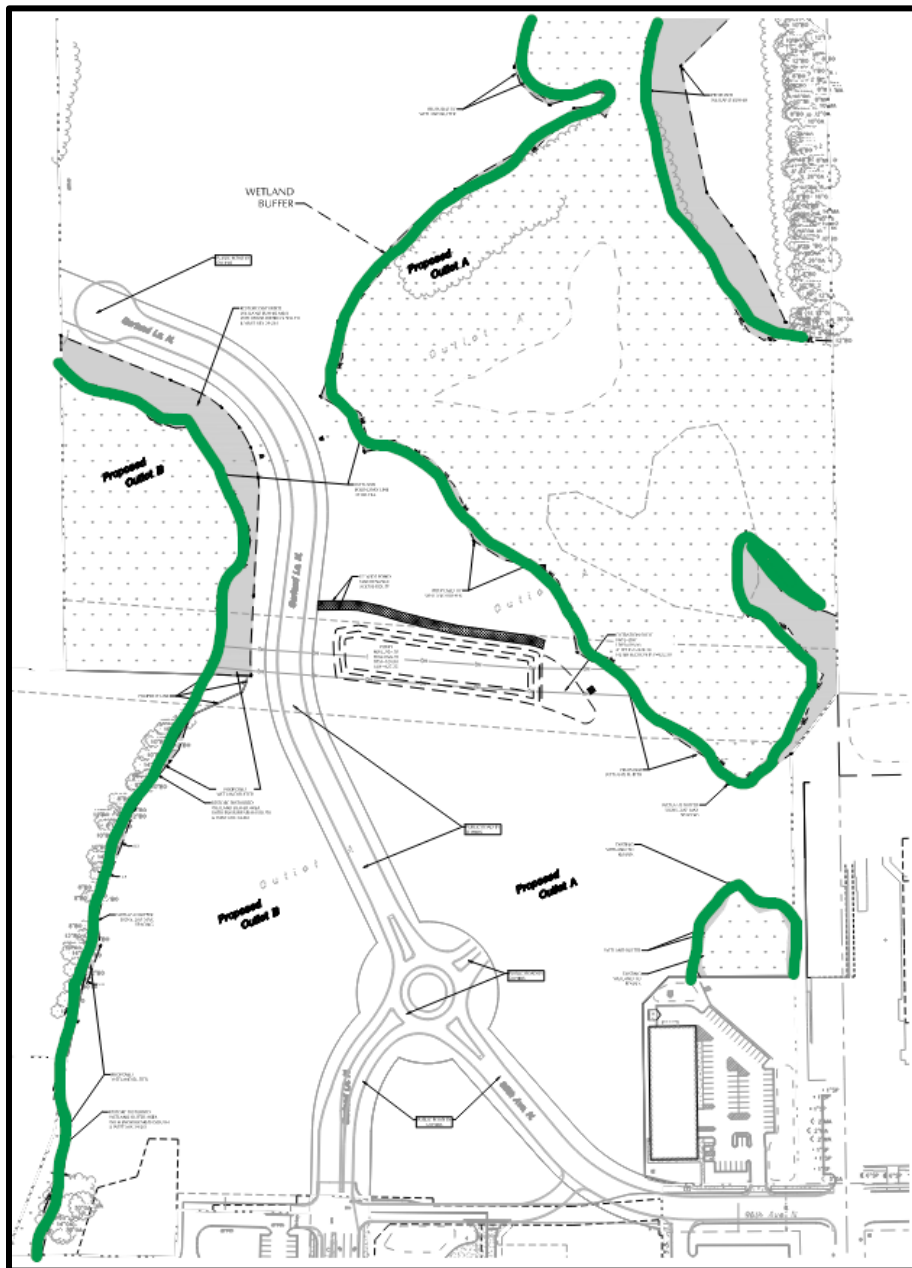


Figure 6 Wetlands Buffers Shown in Gray

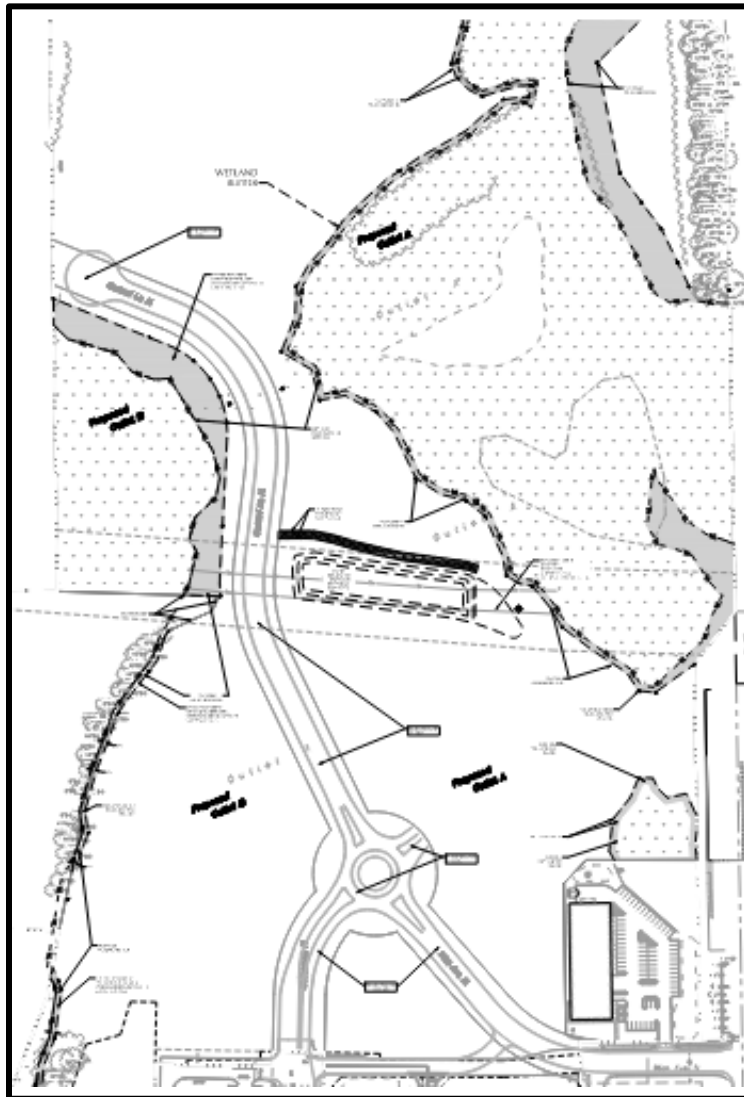


Figure 7 ECWMC Upland Flood Storage Area #5

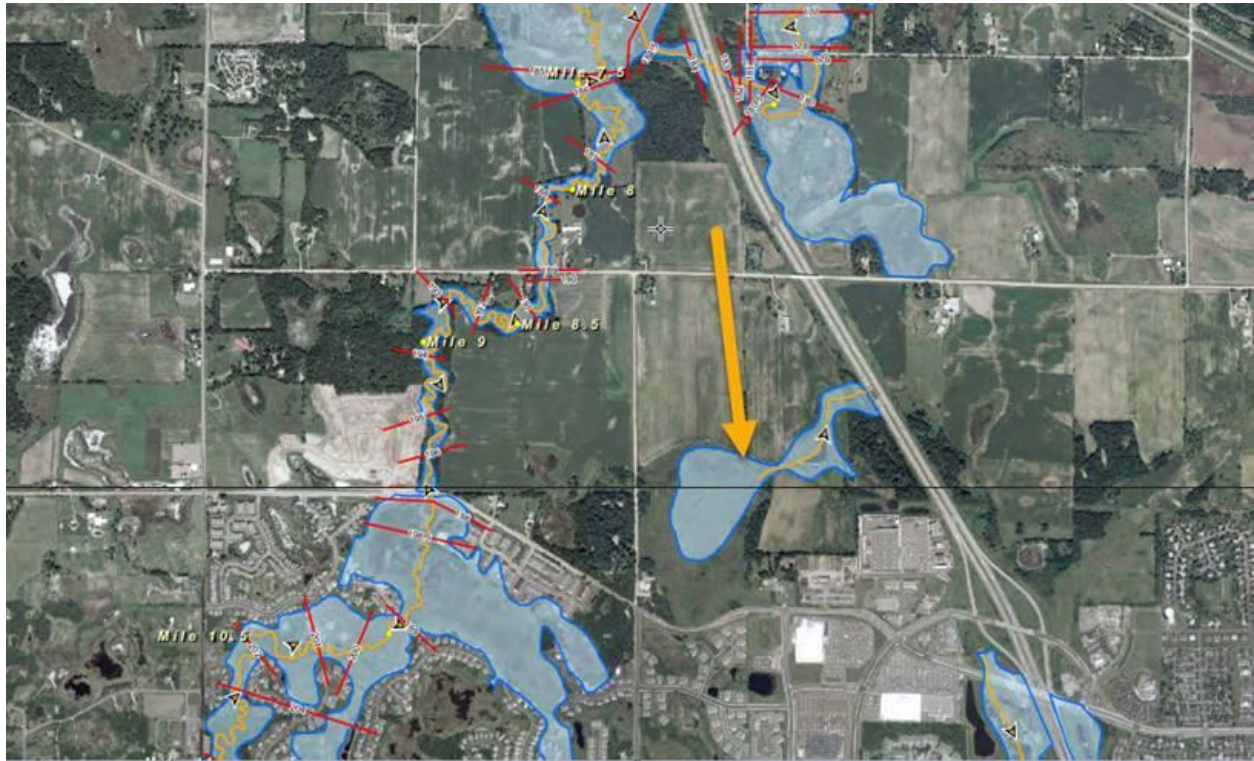
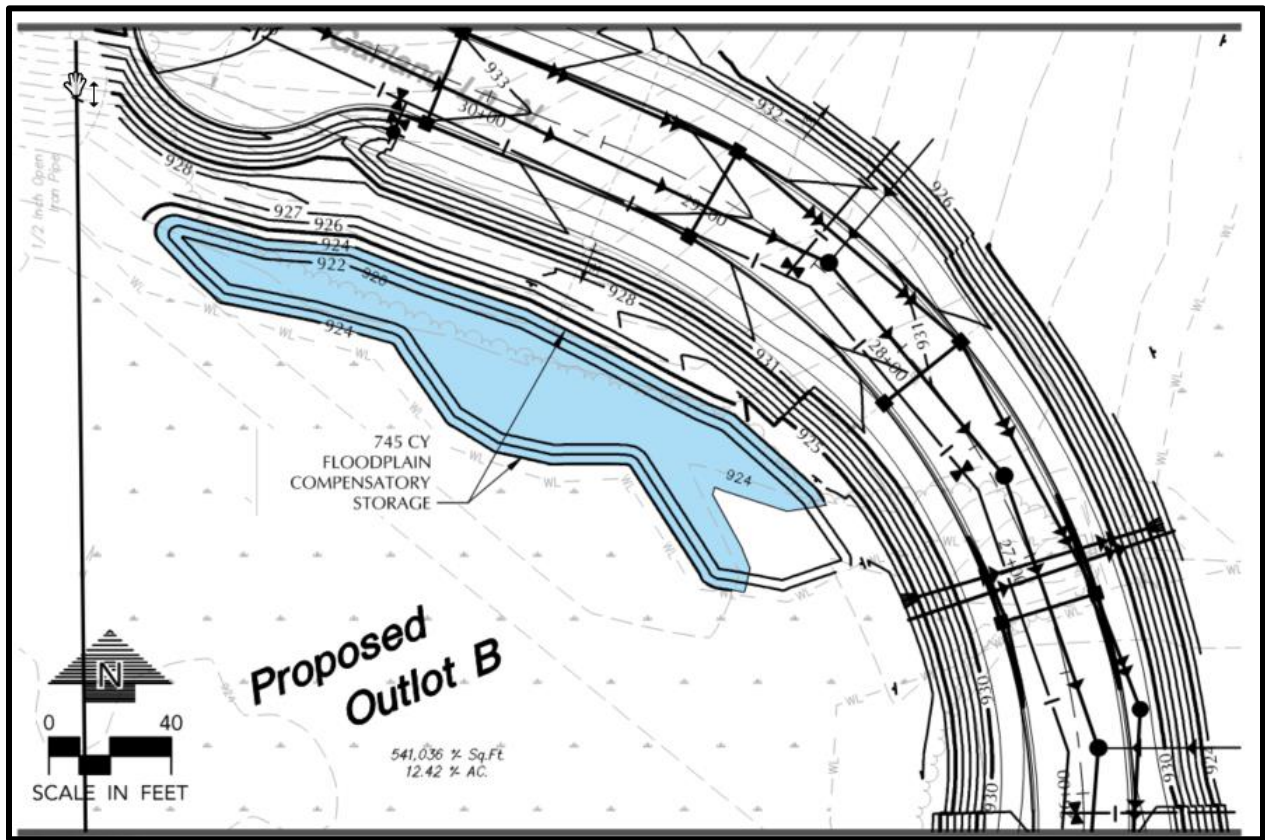


Figure 8 Compensatory Storage



Marsh Pointe Preserve

Medina Project #2021-037

Project Overview:

Location: Medina, MN west of Lake Medina on the east side of Arrowhead Drive. North of Highway 55 and south of Bridgewater Road. Development of 30 lots replacing existing 4 single family residences.

Purpose: Construction of a single-family subdivision consisting of 30 lots

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

Applicant: BPS Properties, LLC

Address: 201 E. Lake Street
Wayzata, MN 55391

Attention:

Phone: 952-476-3694 (office)

Email: GStickney@CBBurnet.com

Agent: George Stickney

Address: 201 E. Lake Street
Wayzata, MN 55391

Attention:

Phone: 952-250-1075 (cell)

Email: GStickney@CBBurnet.com

Exhibits:	Description	Date Received
<i>Application</i>	<input checked="" type="checkbox"/> Complete ECWMC Application	August 20, 2021
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	August 20, 2021
	<input checked="" type="checkbox"/> City authorization: Medina, MN	August 20, 2021
	<input checked="" type="checkbox"/> Review fee: \$4,050	August 20, 2021
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	August 20, 2021

Submittals

1. Elm Creek Watershed Application signed by George Stickney, dated June 10, 2021
2. Tree Preservation Plan, prepared by James R. Hill, Inc., dated August 19, 2021
3. Site Area Exhibit, prepared by James R. Hill, Inc., dated October 11, 2021
4. Preliminary Plat Exhibits, prepared by James R. Hill, Inc., dated October 8, 2021
5. Preliminary Stormwater Report, prepared by James R. Hill, Inc., dated October 8, 2021 and revised November 11, 2021; and November 18, 2021
 - a. Project Narrative

- b. Stormwater Management Analysis and Results
 - c. HydroCAD Modeling report for existing and proposed conditions
 - d. Existing and proposed drainage maps
 - e. Ramsey Washington Stormwater Reuse Credit Calculator output
 - f. Ramsey Washington Stormwater Reuse Credit Calculator spreadsheet (November 11, 2021)
 - g. P8 model results (October 8, 2021 version only)
 - h. MIDS Report
 - i. Wetland delineation report for Marsh Pointe Preserve site
 - j. Marsh Pointe Preserve Tree Preservation Plan
6. Marsh Pointe Preserve Irrigation Plan, prepared by Irrigation Doctor Inc. dated November 12, 2021.

Findings

General

1. A complete application was received August 20, 2021. The initial 60-day decision period per MN Statute 15.99 expires October 19, 2021. On October 11, 2021, the applicant resubmitted the design but rework included a complete site redesign. The initial 60-day decision period was extended an additional 60-days to December 18, 2021.
2. The ECWMC project application was filed under the name *Marsh Point Preserve*, during the project review the applicant indicated the correct name is *Marsh Pointe Preserve*.
3. The existing site includes four single family residences. Runoff from the existing site flow in four directions, three of which immediately drain to the adjacent Lake Medina. There is a small portion on the northwest corner that flows north through a road ditch. The existing site has 2.06-acres of impervious.
4. The proposed project consists of 30 lots for single family homes, streets, sidewalks and stormwater management facilities.
5. The proposed development will have a proposed impervious of 5.39 acres of impervious, or a net, new impervious area of 3.33-acres. Existing and proposed conditions HydroCAD models were created to model rate control.
6. Two stormwater ponds on the site will be constructed and function as volume, water quality, and rate control. One of the ponds will be used for irrigation.
7. Lake Medina, which is a large marshy wetland, that surrounds three sides of the site is designated as a FEMA Zone A floodplain (FEMA defined 1%-annual-chance of flood zone or "100-year")
8. A wetland replacement plan has not been approved the city of Medina (the LGU) and the Technical Evaluation Panel (TEP).

Rule D – Stormwater Management (plans)

General

1. The project will disturb 14.8-acres. The proposed impervious area will be 5.39-acres, 3.33 acres of which is net new impervious.

2. Soil boring show the underlying soils on the stie are sandy loam and clay soils, which are classified as Hydrologic Soil Group Type D (very low infiltration capacity).
3. Stormwater will be managed on the site using two stormwater ponds. One of these will be used to provide reuse as irrigation.

Rate Controls

1. Rate control measures **meet** Commission standards.
2. Rate control for the site is provided by two stormwater basins that collects runoff for water reuse through the site's irrigation system.
3. The applicant provided proposed HydroCAD model output for the 2-year, 10-year, and 100-year events which are summarized in Table 1.

Table 1 Rate of Discharge Leaving Site

Direction	Condition	2-year (cfs)	10-year (cfs)	100-year (cfs)
To Lake Medina	Pre-Project	26.8	51.9	109.6
	Proposed	25.1	46.9	86.8
	Change	-1.7	-5.0	-22.8
West to Arrowhead Drive	Pre-Project	0.2	0.3	0.6
	Proposed	0.0	0.0	0.0
	Change	-0.2	-0.3	-0.6

Low Floor Elevations

- The low floors of the homes adjacent to the two ponds is at least two feet above the 100-year flood and at least 1 ft above the emergency overflow of the pond. This **meets** Commission standards.

Abstraction (Volume) Controls and Water Quality

1. Net new impervious areas will be 3.33 acres.
2. Full infiltration of 1.1 inches of runoff from impervious areas is not feasible due to low infiltration capacity soils.
3. Water quality controls and volume control are met using two stormwater ponds with a water reuse system for irrigation. The reuse system has the following specifications:
 - i. One sprinkler head per lot, located on the rear of the parcels.
 - ii. The irrigation pumping rate will be 120-gpm. The pump is equipped with a rain bird system to provide "smart" watering when there is forecasted rain.
 - iii. A "keepfill well" to augment the stormwater pond volume during dry periods.
 1. This well is equipped with a pump with maximum flow rate of 150-gpm to fill the stormwater pond. The applicant intends to augment the water

level of the pond to always maintain at least 2-feet of depth. The pond is up to 10-feet deep at the normal water level.

4. Applicant used version 2.2 (dated May 2021), which was the latest version at the time the applicant's submittal, Ramsey-Washington Metro Watershed District Stormwater Reuse Calculator to demonstrate 29,994 cubic feet of abstraction credits based on:
 - a. A 5.3-acre runoff collection area, including the proposed buildings, pavements and other impervious surfaces proposed.
 - b. A 4.69 acre-water reuse application area over the pervious surfaces (turf grass) on the site.
 - c. Irrigation in the amount of 1-inch equivalent weekly during the growing season (May-September), which the default (recommended) watering equivalent in the Ramsey-Washington Metro Watershed District Stormwater Reuse Calculator over the 4.69-acre application area.
 - d. Dead storage in the eastern water reuse pond of the amount 0.925 acre-feet (40,292 cf)
 - e. The city of Medina requires that a minimum of 2-feet of water be retained in the permanent pool at all times, allowing for 0.881 acre-ft (38.376 cf) of stormwater reuse potential.
 - f. The Ramsey-Washington Metro Watershed District Stormwater Reuse Calculator compares the amount of average annual volume reduction that will be achieved with the parameters above to the average annual volume that would be achieved by an infiltration system designed to meet Ramsey-Washington Metro Watershed District rules (infiltration of 1.1 inches of runoff from new and reconstructed impervious surfaces).
 - g. The calculator indicates the applicant should be .provided 29,994 cf of volume credits, which meets the Commission's standards.
5. The applicant used a MIDS model to demonstrate water quality compliance

Table 2 Water Quality Summary¹

	Annual Runoff Vol. (ac-ft)	Abstraction Vol. (cubic feet)	TP (lbs/year)	TSS (lbs/year)
Pre-Project	11.17	N/A	9.1	1,656
Proposed (w/o BMP's)	15.23	13,297 (required)	12.4	2,257
Proposed (w/ BMP's)	10.97	29,994 ¹	8.3	1,422
Change	-0.20	+16,697	-0.8	-234

¹ As stormwater reuse with irrigation.

Operation and Maintenance

For residential projects with a water reuse system in the city of Medina the landowner is responsible for the maintenance of the stormwater management BMP's. A stormwater maintenance agreement with the city will be a condition of this approval.

Rule E – Erosion and Sediment Control (plans)

- Plans **meet** Commission requirements for erosion and sediment control.
- The erosion and sediment control plans are consistent with current best management practices, including:
 - a. Rock construction entrance
 - b. Silt fence, including redundant protection around the wetland (Lake Medina)
 - c. Catch basin inlet protection
 - d. Stabilization of disturbed soil areas.

Rule F – Floodplain Alterations

- Floodplain Alterations **meet** the Commission's requirements.
- By definition a FEMA Zone A floodplain does not provide a base flood elevation (1%-annual-chance flood or "100-year") and it is incumbent on developers in the area to complete a floodplain analysis to determine a base flood elevation.
- ECWMC technical staff shared the results of a recently completed floodplain analysis of Lake Medina (Chippewa Road floodplain analysis completed by WSB, dated 2021). The floodplain analysis showed the base flood elevation of Lake Medina is 982.6-feet.
- The applicant is proposing to expand the width of the existing private drive to be used as a site road, resulting in floodplain fill. The total fill below the floodplain is 69.6 cubic yards. To offset this fill, the applicant proposes to provide compensatory storage in the amount of 72 cubic.

Rule G– Wetland Alterations

- Wetland alterations **do not meet** the Commission's requirements.
- The City of Medina is the LGU in charge of administering the Minnesota Wetland Conservation Act.
- The project impacts 3,995 square feet of wetland to construct the site access and is subject to the Minnesota Wetland Conservation Act.
- A wetland replacement plan has not been approved by the LGU and Technical Election Panel.

Rule I– Buffer Strips

- Plans **meet** Commission requirements for buffer strips.
- The buffer strip is at least 25-feet wide in all locations with a slope shallower than 6:1 (horizontal: vertical) and meets the Commission's minimum (10 feet) and average (25 feet) standard.
- The proposed wetland buffer vegetation includes a native species mix that meets Commission requirements.
- Wetland buffer monumentation will meet the Commission's requirements.

Recommendation

Contingent Approval

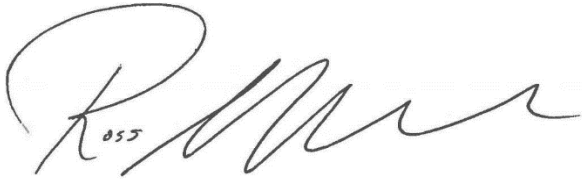
Conditions for Approval

1. Approval is contingent upon final application escrow fee balance. 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 that acceptable to the city and the ECWMC within 90 days after the plat is recorded for all stormwater BMP's on the site. Because

the irrigation system is part of the overall water reuse system that is necessary to meet the Commission's standards, the irrigation system should be included in the Stormwater Maintenance Agreement. The applicant should 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.

3. A wetland replacement plan approved by the LGU and the TEP.
4. The buffer plan is contingent upon approval of the wetland replacement plan.

On Behalf of Wenck (now part of Stantec Consultants, Inc.)
Advisor to the Commission



~~11/19/2021~~ Revised 11/22/2021
Date

Attachments

- | | |
|----------|--|
| Figure 1 | Project Location |
| Figure 2 | Existing Drainage Divides |
| Figure 3 | Proposed Drainage Divides |
| Figure 4 | Erosion Control |
| Figure 6 | Wetland Impacts |
| Figure 7 | Floodplain Impacts (Red and Blue) and Compensatory Storage (Green) |
| Figure 5 | Stormwater Reuse System |
| Figure 8 | Proposed Irrigation Reuse Application Area |

Figure 1 Project Location

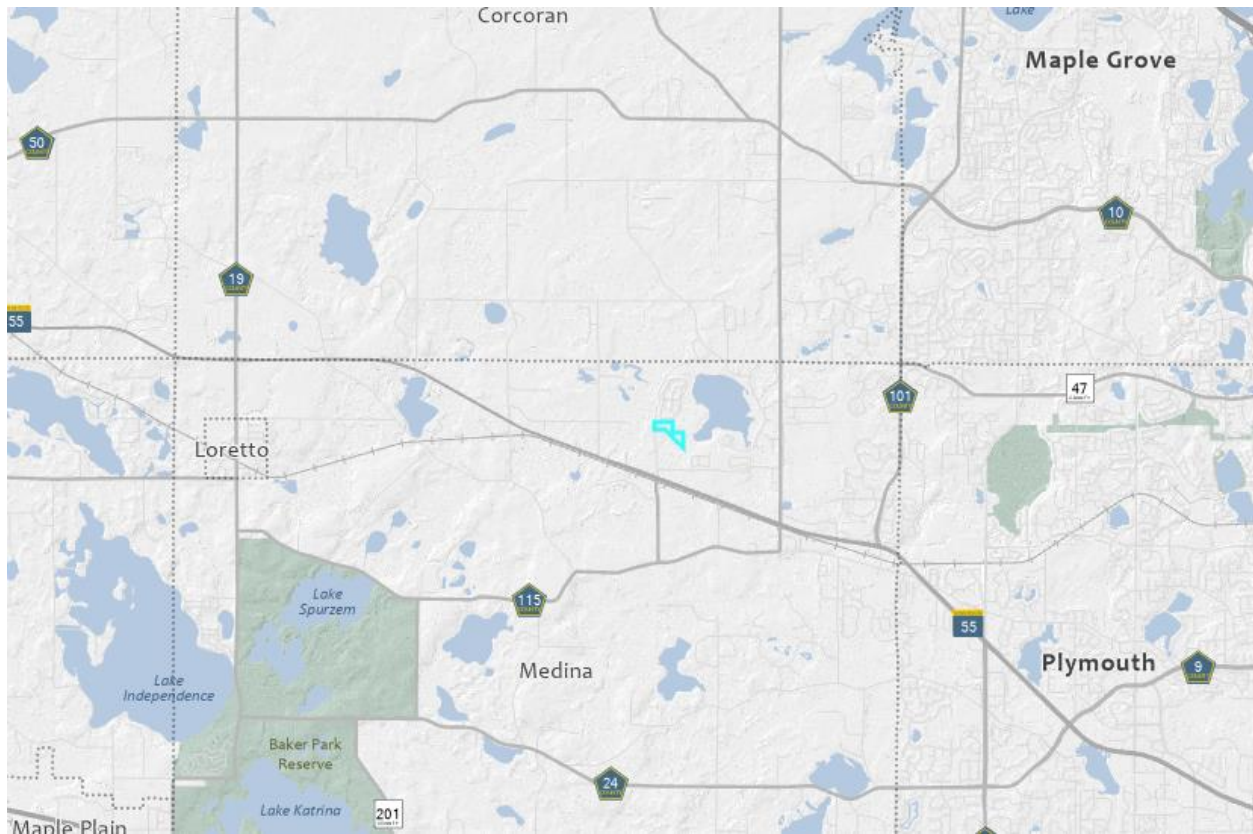


Figure 2 Existing Drainage Divides

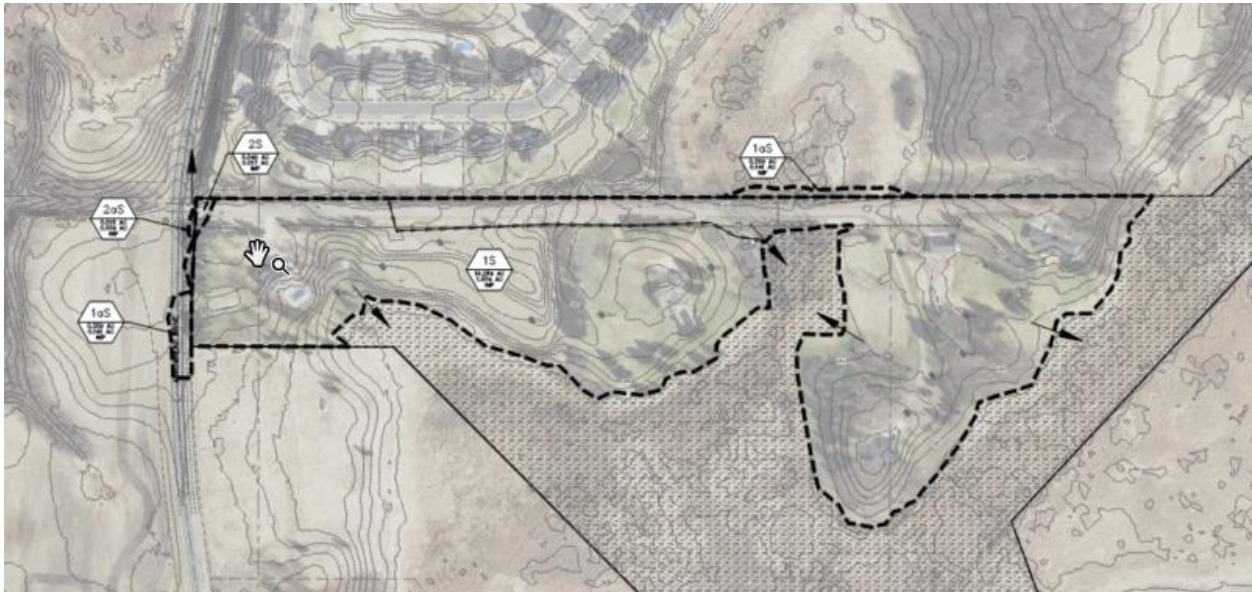


Figure 3 Proposed Drainage Divides

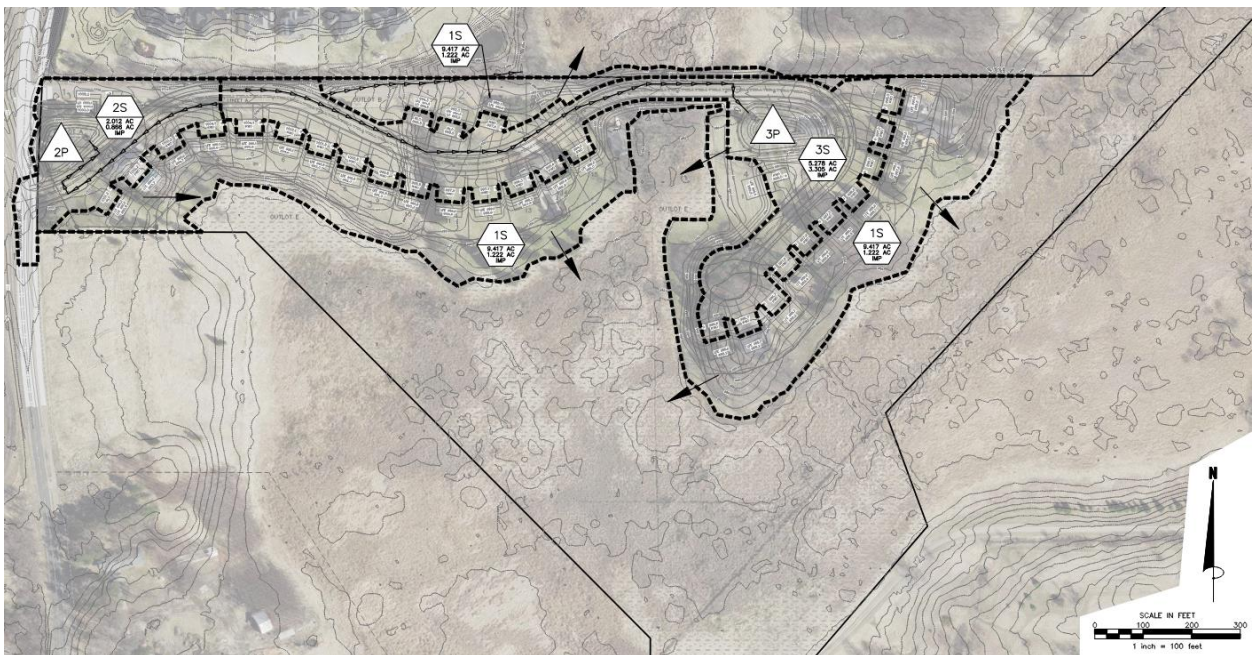


Figure 4 Erosion Control

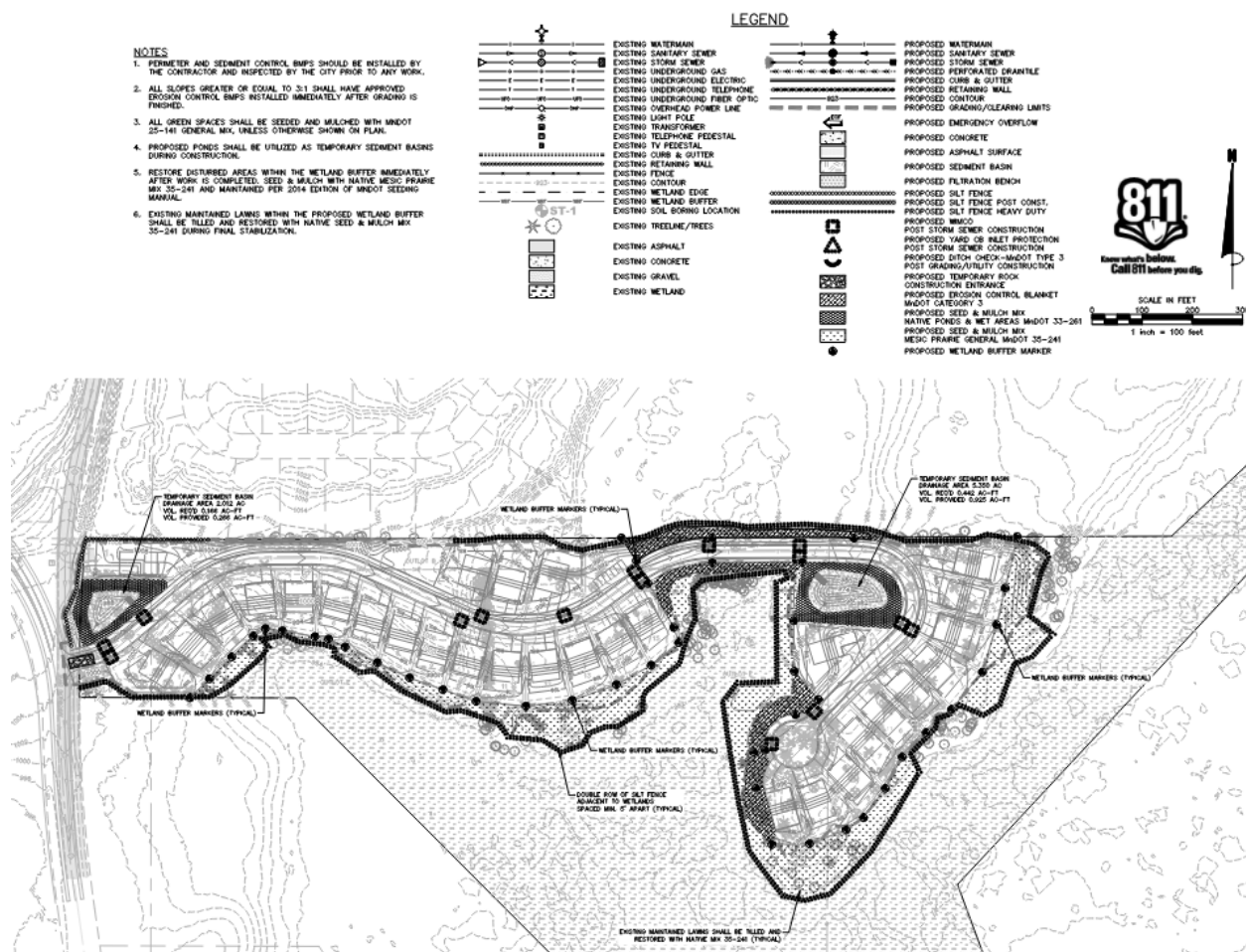


Figure 5 Wetland Impacts (as Fill)

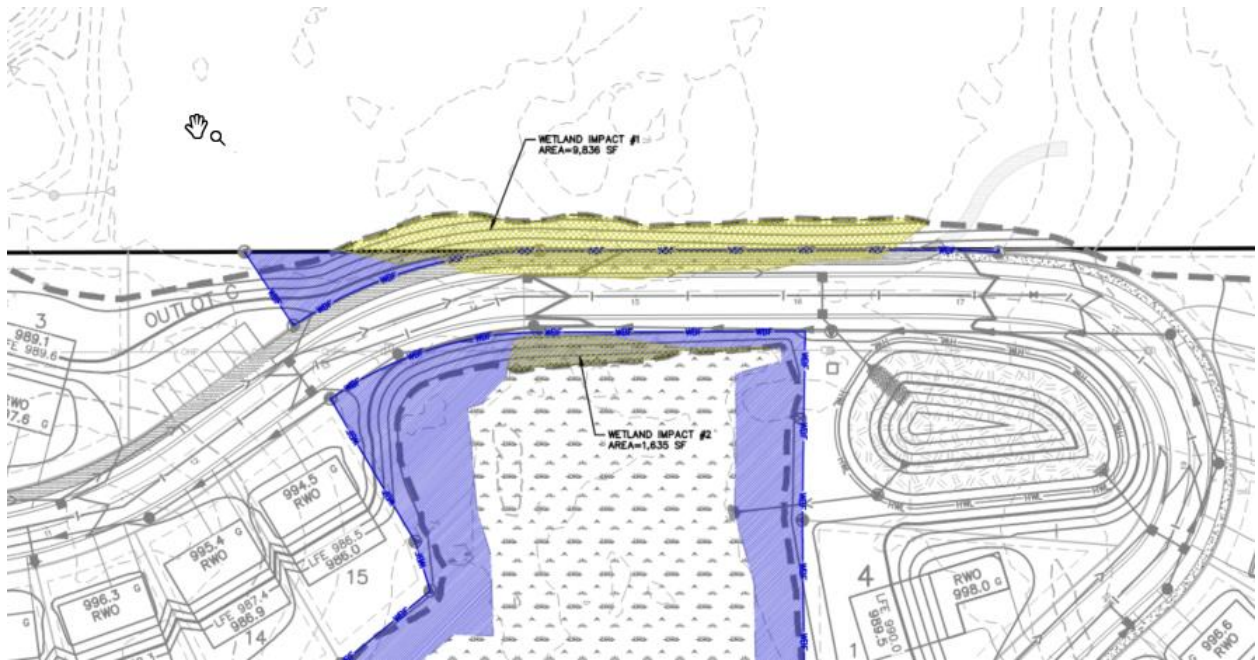


Figure 6 Floodplain Impacts (Red and Blue) and Compensatory Storage (Green)

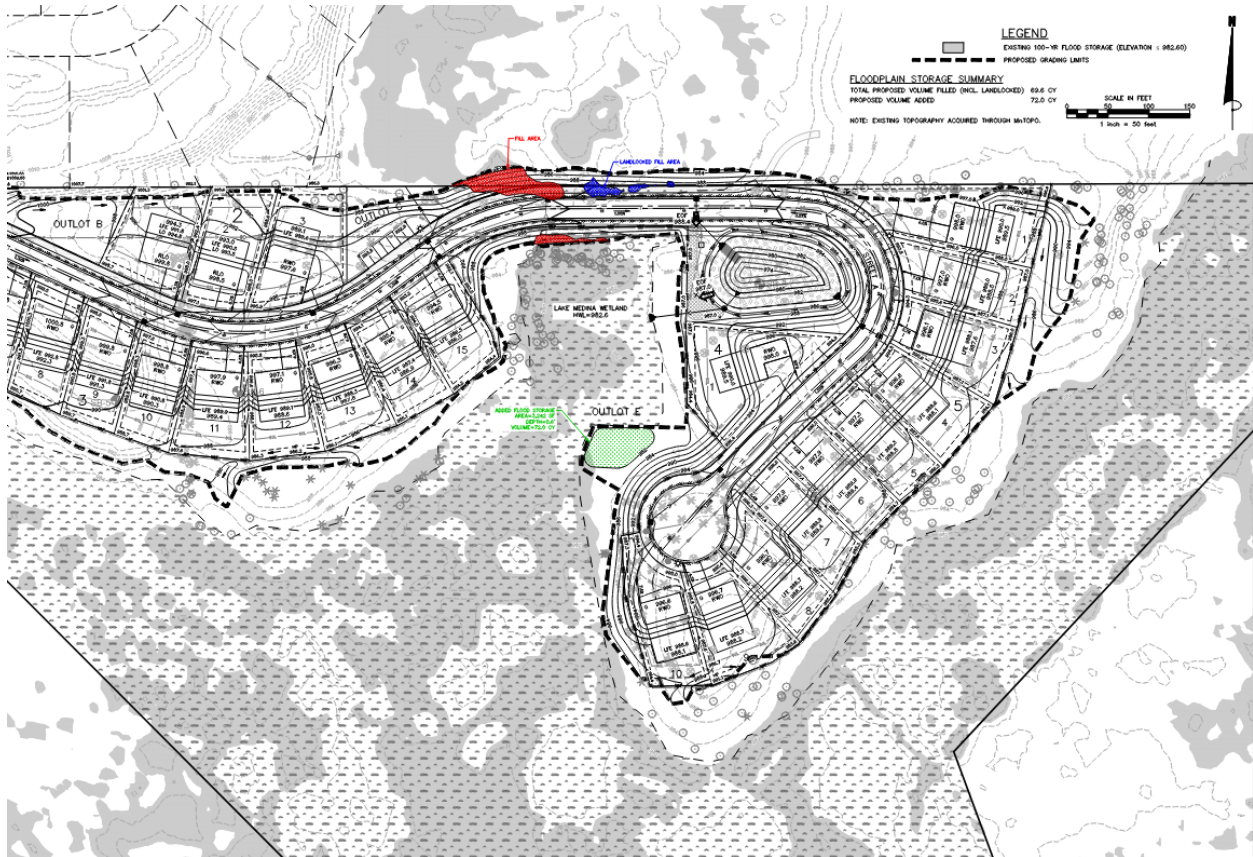


Figure 7 Stormwater Reuse System

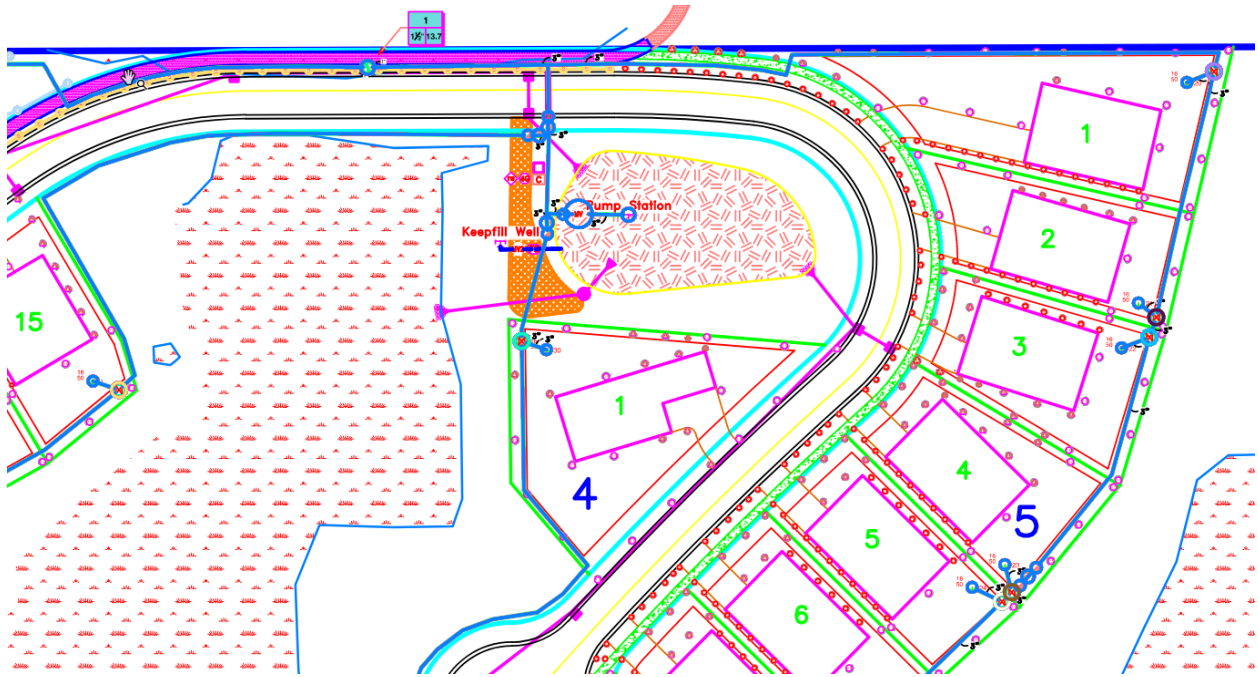


Figure 8 Proposed Irrigation Reuse Application Area



Bellwether 6th & Amberly (Van Blaricom) Development Corcoran, Project #2021-038

Project Overview:

Location: This is a 74.6 acres site located south of Stieg Road west of CR101 in Corcoran, MN.

Purpose: The applicant is proposing to create a residential subdivision with 168 residential lots and 32.9 acres of new impervious areas, disturbing 68.8 acres. The existing area is agricultural and wetlands/wooded areas. This area is an addition on the west edge of the larger area previously permitted as the Encore development and the subdevelopments of Bellwether 4th and 5th additions. The applicant is providing additional rate control and stormwater treatment for a portion of the Stieg Road reconstruction as well.

<i>ECWMC</i>	X	Rule D	Stormwater Management
<i>Rules</i>	X	Rule E	Erosion and Sediment Control
<i>Triggered:</i>	X	Rule F	Floodplain Alterations
		Rule G	Wetland Alteration
		Rule H	Bridge and Culvert Crossings
	X	Rule I	Buffer Strips
		Rule K	Variance

Applicant: Pulte Homes of Minnesota LLC
Address: 7500 Flying Cloud Drive, Suite 670
 Eden Prairie, MN 55344

Attention: Chad Onsgard
Phone: 952.229.0723
Email: Chad.
 onsgard@pultegroup.com

Agent: Sathre-Bergquist Inc
Address: 150 Broadway Ave S
 Wayzata, MN 55391

Attention: Eric Johnson
Phone: 952-476-6000
Email: ejohnson@sathre.com

Exhibits:	Description	Date Received
<i>Application</i>	<input checked="" type="checkbox"/> Complete ECWMC Application	10/05/2021
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	8/23/2021
	<input checked="" type="checkbox"/> City authorization: Corcoran, MN	8/20/2021
	<input checked="" type="checkbox"/> Review fee: \$5,400	8/23/2021

Submittals

1. Encore Development Stormwater Management Plan dated August 19, 2021 was submitted 8/23/2021.
2. Van Blaricom Development Stormwater Management Plan dated September 17, 2021 was submitted 10/5/2021. This shows the Bellwether 6th and Amberly subdivisions.
3. SWPP by Westwood dated 7/19/2021, submitted 10/5/2021.
4. Tracked comments noting changes to the overall development through each iteration as sections of the land are developed for Encore Site.
5. Van Blaricom Development grading Plans dated 7/19/2021, revised grading plans dated 10/4/2021.
6. Updated materials and response to comment 11/5/2021.

Findings

General

1. A complete application was received October 5, 2021. The initial 60-day decision period per MN Statute 15.99 expires December 4, 2021.
2. This is an existing 74.5 acre parcel proposed to be developed into a residential subdivision.
3. The project will disturb 68.8 acres. The whole project proposes to create 32.9 acres of new impervious areas consisting of 168 residential homes, roadways and stormwater infrastructure.
4. Most of the site drains to Wetland 2, which is a FEMA Zone A floodplain that extends on to the site. The applicant notes the 100-year WSEL is 918.1 and the outlet is 916 (NAVD 88).
5. The western wetland drains via a 42" culvert under CR 116 to a tributary of Rush Creek. The applicant proposes using the outlet of the very large Wetland 2 to measure changes in rates from existing to proposed conditions.
6. Flow from southeast portion of the site drains to the existing Bellwether 5th which borders the site at the southeast. Smaller drainage areas discharge to the east directly and to the northwest to Wetland 1.
7. The applicant proposes 3 large ponds, and using water from those ponds for irrigation of the development.

Rule D – Stormwater Management

General

1. There are 5 existing and proposed discharge points from the parcel:
 - a. In the existing condition, 54.2 acres of the site drains west to Wetland 2 (Wetland 2 in drawings, model ID WET-4), which drains to a 42" culvert under CR 116. 76.4 acres are routed to this wetland in the proposed conditions.
 - b. The second largest discharge point is to the southeast to Bellwether 5th addition pond (6.1 acres in the existing condition, and 3.3 acres in the proposed condition).
 - c. The Norwest wetland (wetland 1) receives drainage from 8.4 acres in the existing condition and 0.7 acres in the proposed condition.
 - d. Eastern drainage to wetland 6 from which is 7 acres in the existing condition will receive drainage from 3.6 acres in the proposed condition.
2. The applicant is proposing three (3) ponds to manage stormwater on site. They are proposing one of the ponds be used for site irrigation (pond 2), to control peak flow rates and provide load

reductions to meet water quality standards to accommodate the proposed change in land use on this site.

3. The applicant reports mostly C/D soils on site based on the Web Soil Survey and soil borings provided.
4. Low Floor Elevations **meets** the Commission's requirements to be than 2.0 feet above the 100-year elevation and 1.0 foot above the emergency overflow elevation to adjacent water features.
5. The City of Corcoran requires the landowners to operates and maintains stormwater facilities on their properties. This will include the irrigation system used for stormwater controls. An operation and maintenance agreement approved by the City and Watershed for the stormwater irrigation system and other stormwater facilities onsite must be recorded on the land title for this property within 90 days after final plat approvals.

Water Quality Controls

1. Water quality controls **will meet** Commission requirements.
2. Three stormwater ponds are modeled, as well as the 25-foot buffer areas and direct runoff. The applicant proposes soil amendments to these areas and native seeding and has modeled them as infiltration basins. Water quality loads are estimated using the P8 model for the ponding and re-use computation. This is generally a reasonable assumption given the small areas draining to the buffers.
3. Table 1 summarizes TP and TSS from the proposed wet pond systems.
4. Water reuse calculations were provided for review.

Table 1 Water Quality Summary

Condition	TP Load (lbs/year)	TSS Load (lbs/year) (1)
Pre-development	30.6	9,629
Post-development without BMPs	79.7	25,000
Post-development with BMPs	27.5	2061
Net Change	-3.1	-7,568

Rate Controls

1. Runoff from the existing and proposed conditions were modeled using a SWMM model.
2. Four discharge points were identified from the existing and proposed site described above.
3. Rate controls for the 2-year and 10-year event **meets** the Commission requirement. The exiting condition CN is 87. The proposed is 88.

Table 2 Overall Rate of Discharge – Bellwether 6th /Amberly (Van Blaricom Development) (CR 116 Wetland 4 outlet as west control)

	Location	2-Year	10-Year	100-Year
Existing Conditions	County Rd 116 (WET-4)	44.5	50.8	59.6
	Northwest (EX-3)	11.0	20.1	39.5
	East (WET-25)	9.4	16.8	32.7
	Southeast (WET-6)	17.1	25.2	49.2
Proposed Conditions	County Rd 116 (WET-4)	43.1	50.4	59.2
	Northwest (EX-3)	1.2	2.3	4.7
	East (WET-25)	5.1	10.0	18.7
	Southeast (WET-6)	13.8	20.5	41.8
Δ Peak Flows	County Rd 116 (WET-4)	-1.4	-0.4	-0.4
	Northwest (EX-3)	-9.8	-17.8	-34.8
	East (WET-25)	-4.3	-6.8	-14.0
	Southeast (WET-6)	-3.3	-4.7	-7.4

Table 3 Rate of Discharge Leaving Site – Bellwether 6th /Amberly (Van Blaricom Development)

Flow (cfs)	2-Year	10-Year	100-Year
Existing	104.3	191.0	376.0
Proposed	53.4	88.6	164.6
Difference	-50.9	-102.3	-211.4

Abstraction Controls

1. Abstraction controls **meet** Commission requirements.
2. New impervious areas will be 32.9 acres requiring infiltration of 131,370 cubic feet.
3. The total volume for irrigation provided through using the stormwater pond 2SW for irrigation is 178,596 cubic feet of storage (about 5 acre-feet in the pond with the 3 foot drawdown from the 924 outlet). The applicant proposes irrigating 20.6 acres of back yards of lots between May and September from Pond 2SW providing 296,437 acre-feet of abstraction based on the MCWD abstraction calculator for irrigation.

Rule E – Erosion Control

1. The proposed conditions meet the Commission requirements for erosion control.

Rule F – Flood Plain

1. Most of the site drains to Wetland 2, which is a FEMA Zone A floodplain that extends on to the site. The applicant notes the 100-year WSEL is 918.1 and the outlet is 916 (NAVD 88).
2. The applicant reports that: *"the preliminary grading plan shows the FEMA floodplain area for the site. The detailed stormwater report indicates the HWL/flood plain elevation to be 918.2. The proposed onsite grading does not go below the 918.2 elevation. After city/watershed approval of*

the stormwater report, a FEMA LOMR will be completed for the fill of this area to define the 918.2. Therefore, no floodplain mitigation is needed."

Rule G – Wetland

1. There are portions of 4 wetlands on site which will remain with 25' wide buffers. The buffer areas will be disturbed, with soil amendments and seeding proposed.
2. Drainage areas of the 3 of the wetlands on site will reduce significantly. Existing and proposed 100-year WSELs are summarized in the stormwater report. Smaller storms are critical to maintain hydrology for the wetlands on site.
3. Drainage area of Wetland 2 will increase.
4. One wetland on the south portion of the parcel, 1794 square feet will be filled in the proposed condition, the applicant proposes credits to mitigate.
5. The applicant summarized impacts for smaller storms on wetlands on site:

Wetland	Existing HWL (ft)			Proposed HWL (ft)			Difference (ft)		
	2-Year	10-Year	100-Year	2-Year	10-Year	100-Year	2-Year	10-Year	100-Year
WET-6	937.2	937.5	937.9	937.2	937.4	937.8	0.0	-0.1	-0.1
WET-25	931.6	932.2	933.2	930.8	931.3	932.4	-0.8	-1.0	-0.8
W4-OFF	941.8	941.9	942.0	941.8	941.9	942.1	0.1	0.1	0.1

Rule I – Buffer Strips

1. The applicant's proposal for establishing buffers around intact wetlands **meets** Commission requirements. Average buffer width requirement is 25 feet, minimum is 10.
2. The applicant will need to show locations of buffer monumentation.

Recommendation

Motion: Staff recommends approval of project #2021-038 with the following condition(s):

1. *[Standard Condition]* Approval is contingent upon payment of all review fees. Additional payment may be required if the review cost exceeds escrow payment(s) submitted by the applicant.
2. The applicant shall show buffer monumentation on drawings.
3. The applicant provides the approved Letter of Map Revision for the wetlands on site.
4. The applicant provides the Corcoran/ TEP approval the Wetland Impacts/ Mitigation Plan.
5. *The applicant shall provide a Stormwater Maintenance Agreement that acceptable to the city and the ECWMC 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, the irrigation system should be included in the Stormwater Maintenance Agreement. The applicant should 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.

Rebecca Carlson, P.E. (MN)
Resilience Resources, LLC
Advisor to the Commission

November 29, 2021
Date

Attachments

- Figure 1 Site Location Map
- Figure 2 Aerial Imagery
- Figure 3 Existing Drainage Pattern Map
- Figure 4 Proposed Drainage Pattern Map
- Figure 5 Proposed Grading Plan

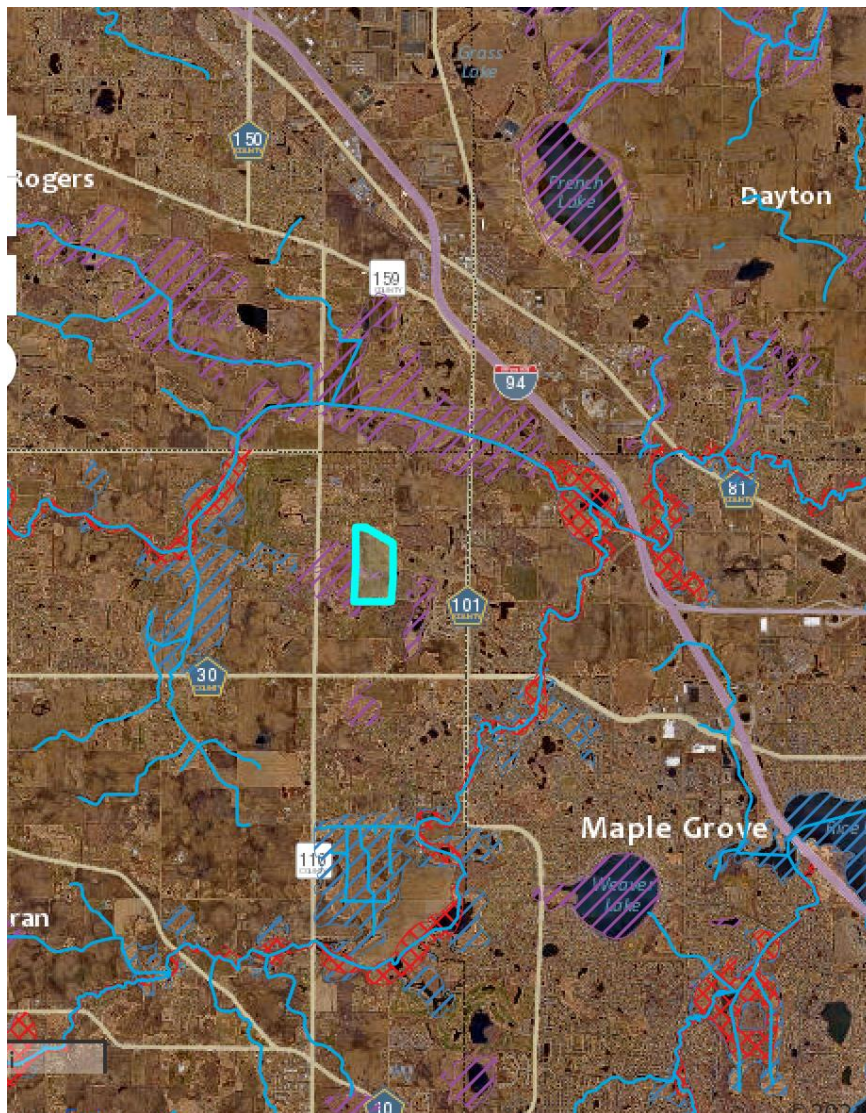


Figure 1 Site Location Map

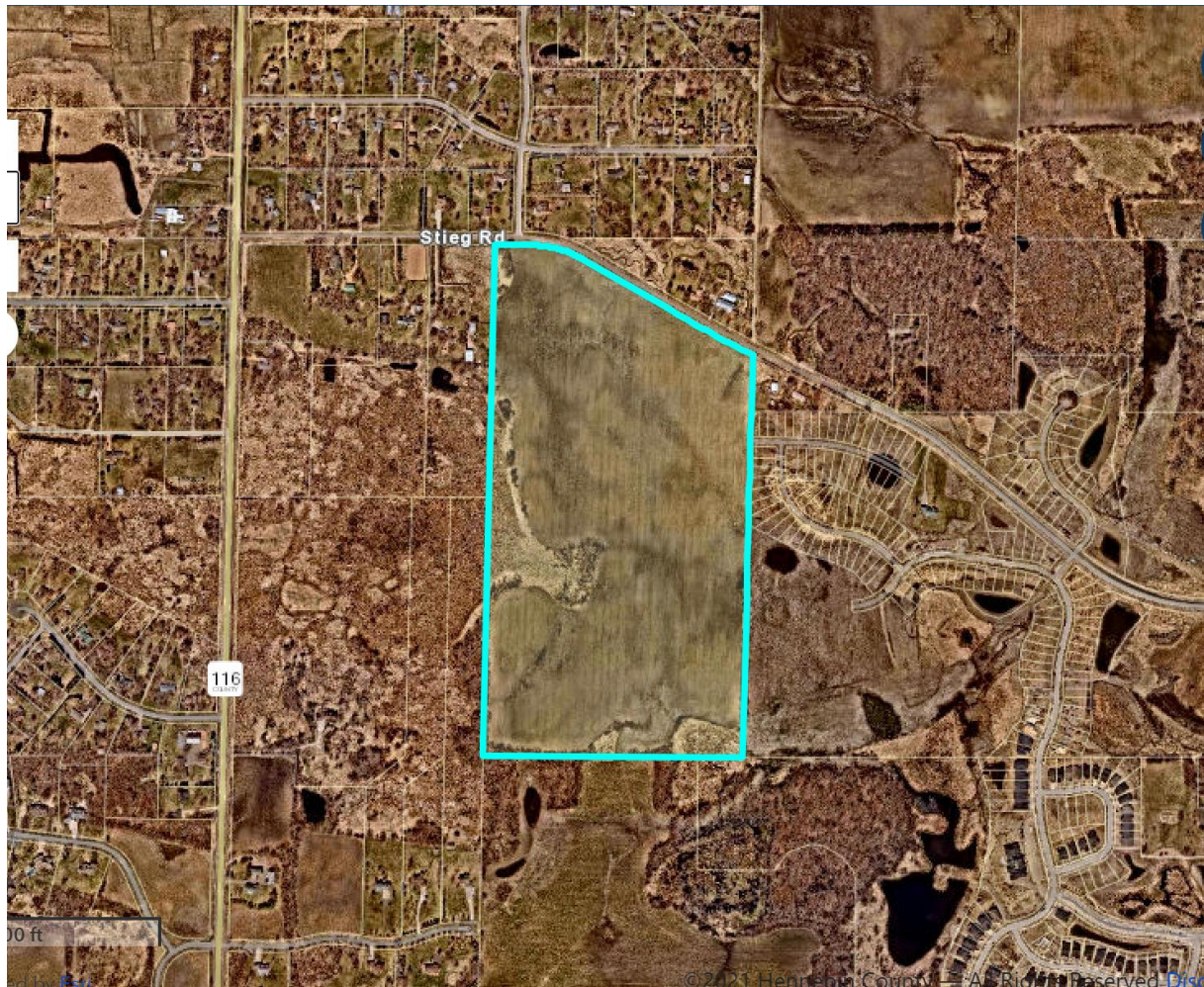


Figure 2 Aerial Imagery

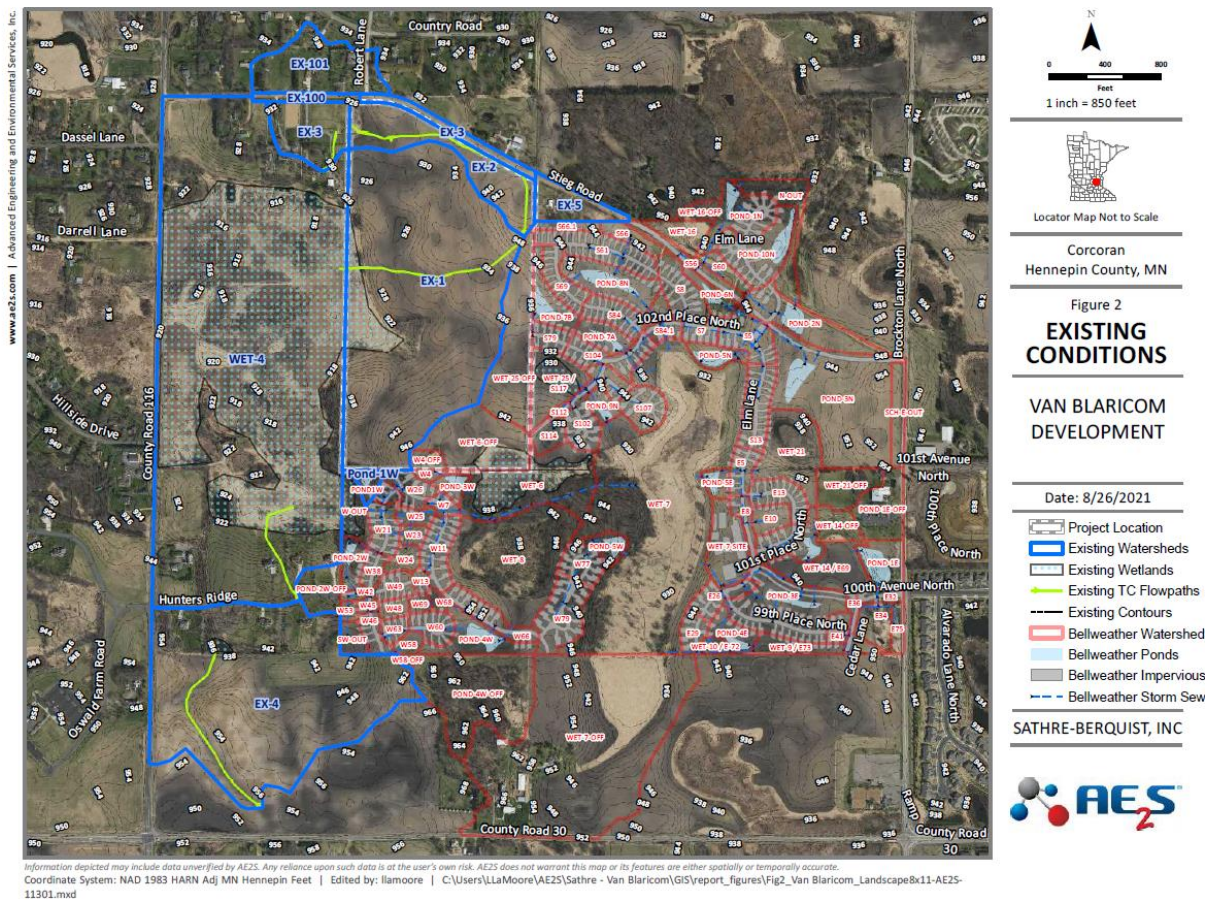


Figure 3 Existing Drainage Pattern Map

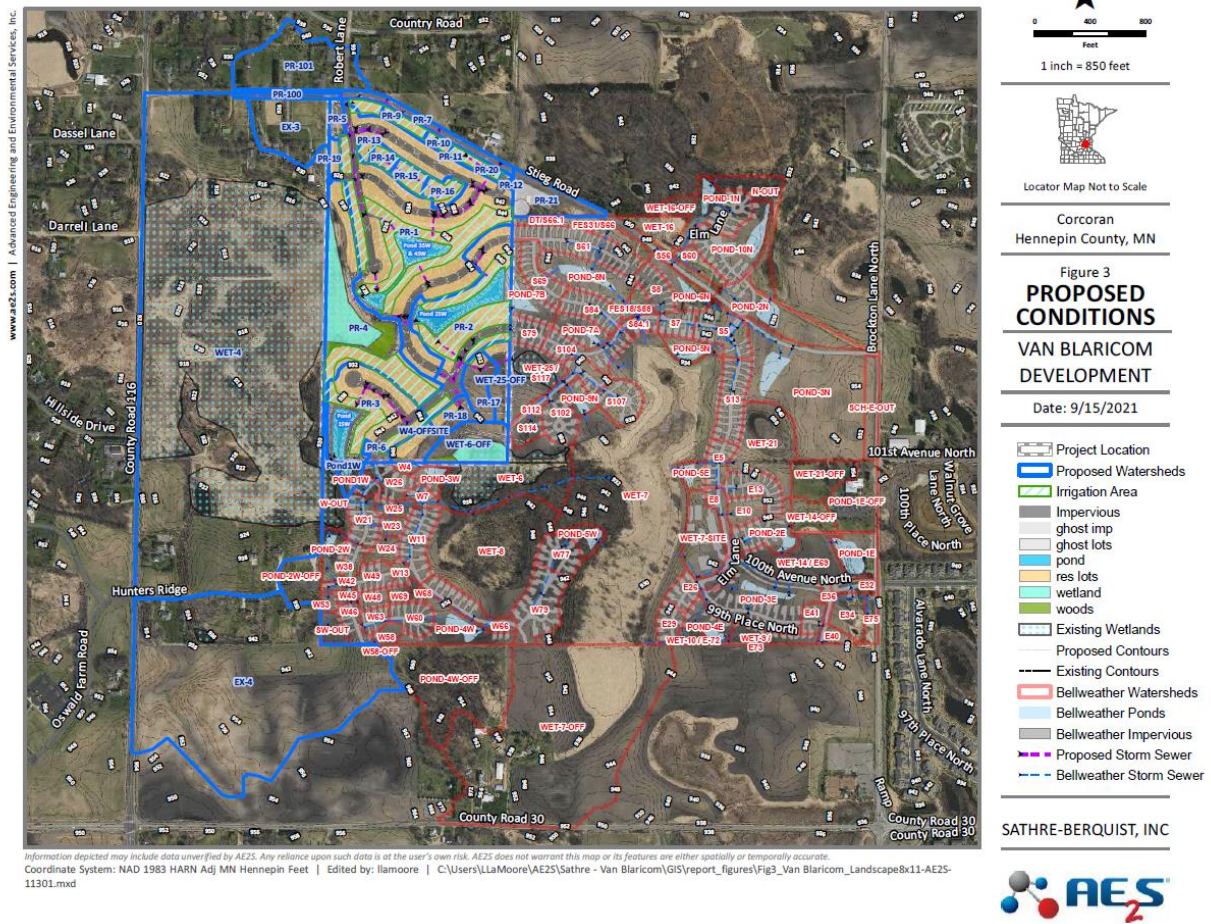


Figure 4 Proposed Drainage Pattern Map

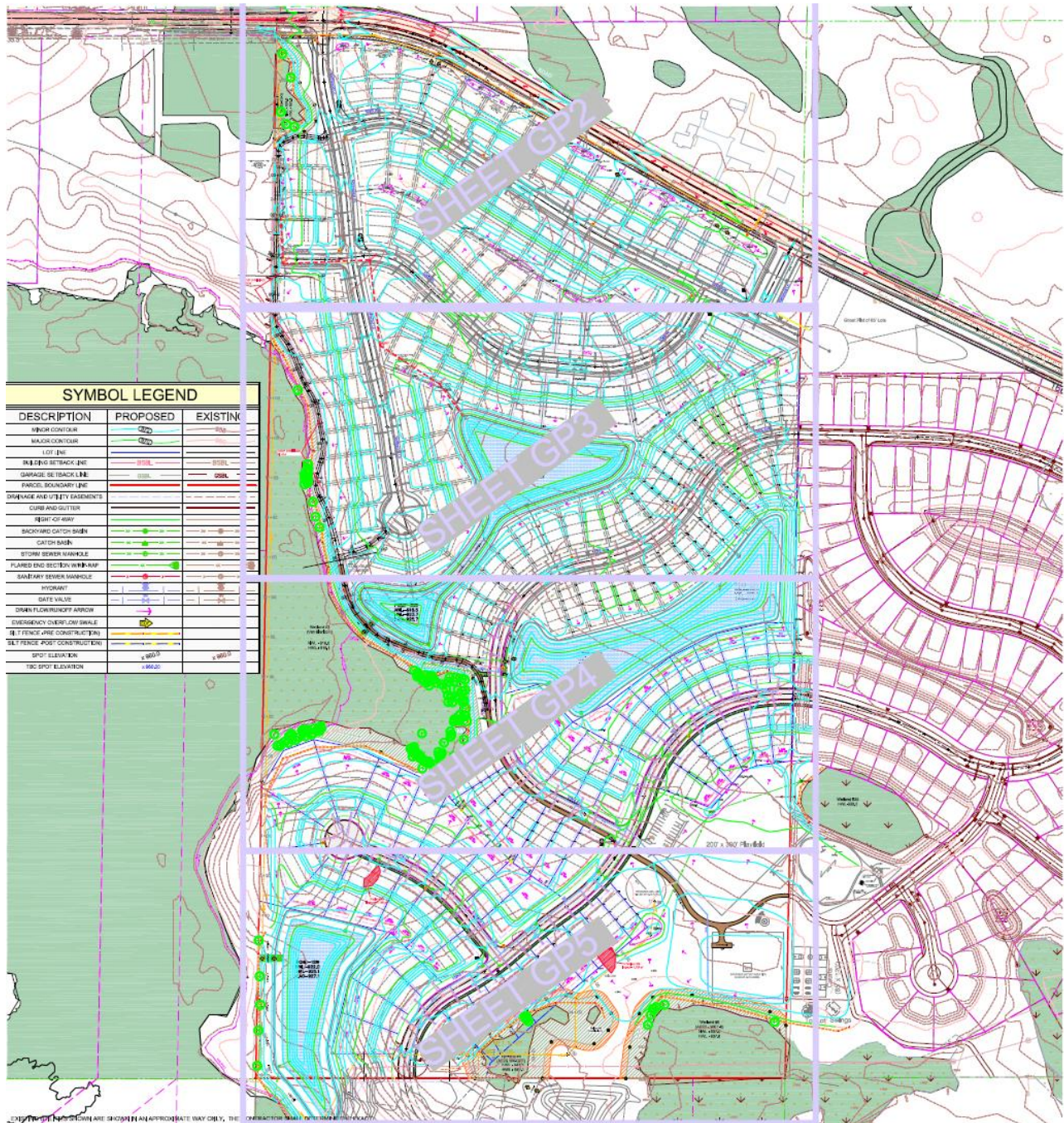
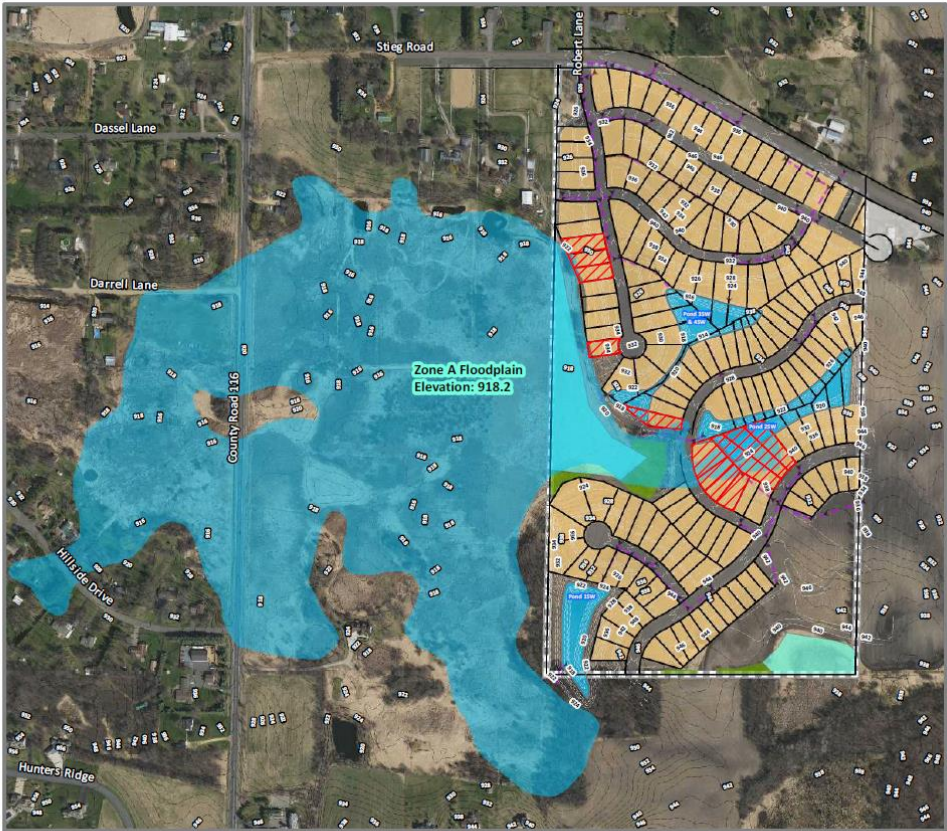


Figure 5 Proposed Grading Plan

www.aes.com | Advanced Engineering and Environmental Services, Inc.



Information depicted may include data unverified by AES. Any reliance upon such data is at the user's own risk. AES does not warrant this map or its features are either spatially or temporally accurate.
Coordinate System: NAD 1983 HARN Adj MN Hennepin Feet | Edited by: llamoore | C:\Users\LaMoore\AES\Sathre - Van Blaricom\GIS\report_figures\Fig4_Van Blaricom_Landscape\11-AE25-11301.mxd

N

0 250 500

Feet

1 inch = 500 feet

Locator Map Not to Scale

Corcoran
Hennepin County, MN

Figure 4
**FEMA
FLOODPLAIN
IMPACTS**

**VAN BLARICOM
DEVELOPMENT**

Date: 8/26/2021

SATHRE-BERQUIST, INC

AES



Figure 6 Flood Plain120

REO Plastics Phase II

Medina Project #2021-045

Project Overview:

Location: On the northwest corner of the intersection of County Road 30 (93rd Avenue N) and County Road 81 in Maple Grove, MN

Purpose: Construction of addition to REO Plastics including the warehouse addition, parking, and access improvements.

WMC Rules Triggered:

X	Rule D	Stormwater Management
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
	Rule K	Variance

Applicant: REO Plastics Address: 11850 93 rd Ave N Maple Grove, MN 55369	Attention: Phone: (763) 425-4171 Email: eric.kivisto@krausanderson.com
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Agent: Eric Kivisto Address: 501 South 8 th Street Minneapolis, MN 55404	Attention: Phone: (320) 262-9566 Email: eric.kivisto@krausanderson.com
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Exhibits:	Description	Date Received
<i>Application</i>	<input checked="" type="checkbox"/> Complete ECWMC Application	October 5, 2021
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	October 5, 2021
	<input checked="" type="checkbox"/> City authorization: Maple Grove, MN	September 27, 2021
	<input checked="" type="checkbox"/> Review fee: \$3,375	October 5, 2021
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	October 5, 2021

Submittals

1. Elm Creek Watershed Plan Review Application and payment, dated October 5, 2021
2. Site Development Plans, prepared by Jeffrey A Prasch with Demarc Land Surveying and Engineering, dated June 30, 2021 revised October 26, 2021
3. Stormwater Management Plan, prepared by Jeffrey Prasch with Demarc Land Surveying and Engineering, dated August 24, 2021 revised October 26, 2021 and November 3, 2021
 - a. Includes Point Precipitation Frequency Estimates And Rational Method Storm Sewer Calculations

- b. HydroCAD Modeling report for existing and proposed condition
 - c. MIDS Water Quality calculations
- 4. Geotechnical Evaluation Report, prepared by Richard J. Fritz with Braun Intertec, dated September 21, 2020

Findings

General

1. A complete application was received October 5, 2021. The initial 60-day decision period per MN Statute 15.99 expires December 4, 2021.
2. The existing site is currently occupied by a manufacturing business. There is a railroad right-of-way to the north, residential properties to the west, and a regional stormwater basin to the east.
3. About half of the site's stormwater drains to an existing regional pond east of the site that is owned by the city. The regional pond discharges through an existing, city-owned, gravity trunk storm sewer to the northwest along the north side of the site. The other half of the site drains directly to the existing, city-owned, gravity trunk storm sewer without treatment.
4. Discharge from the regional pond flows northwest through a gravity trunk storm sewer along the south side of County Road 81, through other stormwater basins, before ultimately discharging to Elm Creek just upstream of its crossing with Highway 610.
5. The proposed improvements include a 40,000 sf warehouse addition, several loading docks, vehicle parking and relocating the driveway.
6. The applicant intends to meet ECWMC rate control, water quality, and volume control by rerouting much of the existing impervious areas to the regional pond (with alterations discussed below), and connecting the proposed expansion, including the building footprint and pavement area, to the existing, city-owned, gravity trunk storm sewer.
7. The proposed stormwater improvements will include expanding the existing regional pond, modifying the outlet structure, and adding a filter bench to the pond.
8. The site is within a vulnerable Drinking Water Supply Management Area (DWSMA); therefore, infiltration is prohibited under ECWMC rules.
9. The existing site includes 6.93-acres of impervious and the proposed addition will create 1.26 acres of new impervious area, resulting in 8.19-acres of total impervious.
10. A geotechnical report with soil borings was provided. The upper soil column is predominantly sandy lean clays which corresponds to Hydrologic Soil Group C (low infiltration capacity).
11. There are no Elm Creek jurisdictional floodplains or wetlands within the project site.

Rule D – Stormwater Management (plans)

General

1. The project will disturb 5.92-acres of a 9.95-acre parcel. The post-project impervious area will be 8.19-acres, 1.26 acres of which is new impervious.
2. The site is within a vulnerable Drinking Water Supply Management Area (DWSMA); therefore, infiltration is prohibited.
3. Stormwater will be managed by increasing the size of an existing regional stormwater pond, that is owned by the city, east of the site and adding a filter bench.

Rate Controls

1. Rate control measures **meet** Commission standards.
2. Rate control for the site is provided by the improved stormwater basin with filter bench that collects runoff.
3. The applicant provided existing and proposed HydroCAD model output for the 2-year, 10-year, and 100-year events which are summarized in Table 1.
4. The drawdown time of the pond is approximately 30-hours, which meets Commission standards.

Table 1 Rate of Discharge Leaving Site

Direction	Condition	2-year (cfs)	10-year (cfs)	100-year (cfs)
North to Railroad Ditch	Pre-Project	1.2	2.9	14.8 ¹
	Proposed	0.7	1.7	8.7 ¹
	Change	-0.5	-1.2	-6.1
West to Residential Neighborhood	Pre-Project	1.7	3.2	6.7
	Proposed	0.7	1.6	3.6
	Change	-1.0	-1.6	-3.1
Northwest directly to existing, city- owned, gravity trunk storm sewer	Pre-Project	15.0	23.3	26.3
	Proposed	13.0	21.1	25.5
	Change	-2.0	-2.2	-0.8
Discharge from Pond	Pre-Project	13.7	25.1	49.0
	Proposed	13.4	24.5	46.5
	Change	-0.3	-0.6	-2.5

¹ Existing, city-owned, gravity trunk storm sewer surcharges in the 100-year event, spilling over to the North discharge point

Low Floor Elevations

1. Low floors **meet** the Commission requirements for at least two feet of freeboard about the 100-year high-water level and one foot above the EOF.
2. The 100-year high-water level at the pond is 901.3-feet, the first-floor elevation is at 910.7-feet.

Operation and Maintenance

The city of Maple Grove operates and maintains the regional stormwater pond to the east. The city has confirmed that they will continue to maintain the expanded pond with the filter bench.

Water Quality and Volume Control

1. Abstraction controls **meet** Commission requirements.

2. Net, new impervious areas will be 1.26 acres requiring abstraction of 5,026 cubic feet of abstraction/volume control.
3. Full infiltration of 1.1 inches of runoff from impervious areas is prohibited by ECWMC rules because the site falls in a vulnerable Drinking Water Supply Management Area (DWSMA).
4. Applicant proposes to use existing stormwater pond and add a filter bench to provide abstraction and meet water quality criteria by filtration.
5. The applicant used MIDs water quality calculator to simulate pollutant removal by the filtration system and expanded stormwater basin.
6. Pretreatment to the filtration basin is provided by a 4' sump.

Table 2 Water Quality Summary

	Annual Runoff Vol. (ac-ft)	Abstraction Vol. (cubic feet)	TP (lbs/year)	TSS (lbs/year)
Pre-Project w/ <i>expanded stormwater pond</i>	25.3	N/A	20.7 (runoff) 14.3 (effluent)	3,756 (runoff) 1,799 (effluent)
Proposed w/ <i>expanded stormwater pond, modified outlet, and filter bench</i>	27.5	5,026 (required) 5,237 (provided)	22.4 (runoff) 13.9 (effluent)	4,073 (runoff) 1,238 (effluent)
Change	+2.2	+211 (excess) 5,237 (total)	-0.4	-561

Rule E – Erosion and Sediment Control (plans)

1. Plans **meets** Commission requirements for erosion and sediment control.
2. The erosion and sediment control plans are consistent with current best management practices, including:
 - a. Erosion control blanket
 - b. Silt fence around project extents and the pond
 - c. Concrete washout is located to minimize the risk of concrete waste discharge to waterbodies
 - d. Catch basin inlet protection
 - e. Stabilization of disturbed soil areas with erosion control blanket

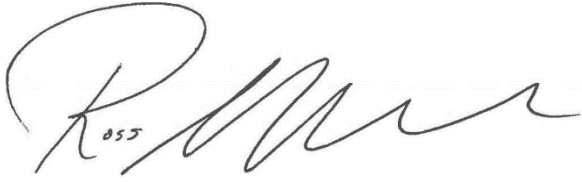
Recommendation

Approval

Conditions for Approval

1. Approval is contingent upon final application escrow fee balance. Additional payment or refund of the fees will be determined when all conditions for approval are met.

On Behalf of Wenck (now part of Stantec Consultants, Inc.)
Advisor to the Commission

A handwritten signature in black ink, appearing to read "R. M. Ross". The signature is fluid and cursive, with the first name "R." and last name "Ross" clearly distinguishable.

11/8/2021
Date

Attachments

- Figure 1 Project Location
- Figure 2 Excerpt from Maple Grove Local Surface Water Management Plan, Drinking Water Supply Management Areas
- Figure 3 Existing Drainage Map
- Figure 4 Proposed Drainage Plan
- Figure 5 Erosion and Sediment Management- SWPPP

Figure 1 Project Location

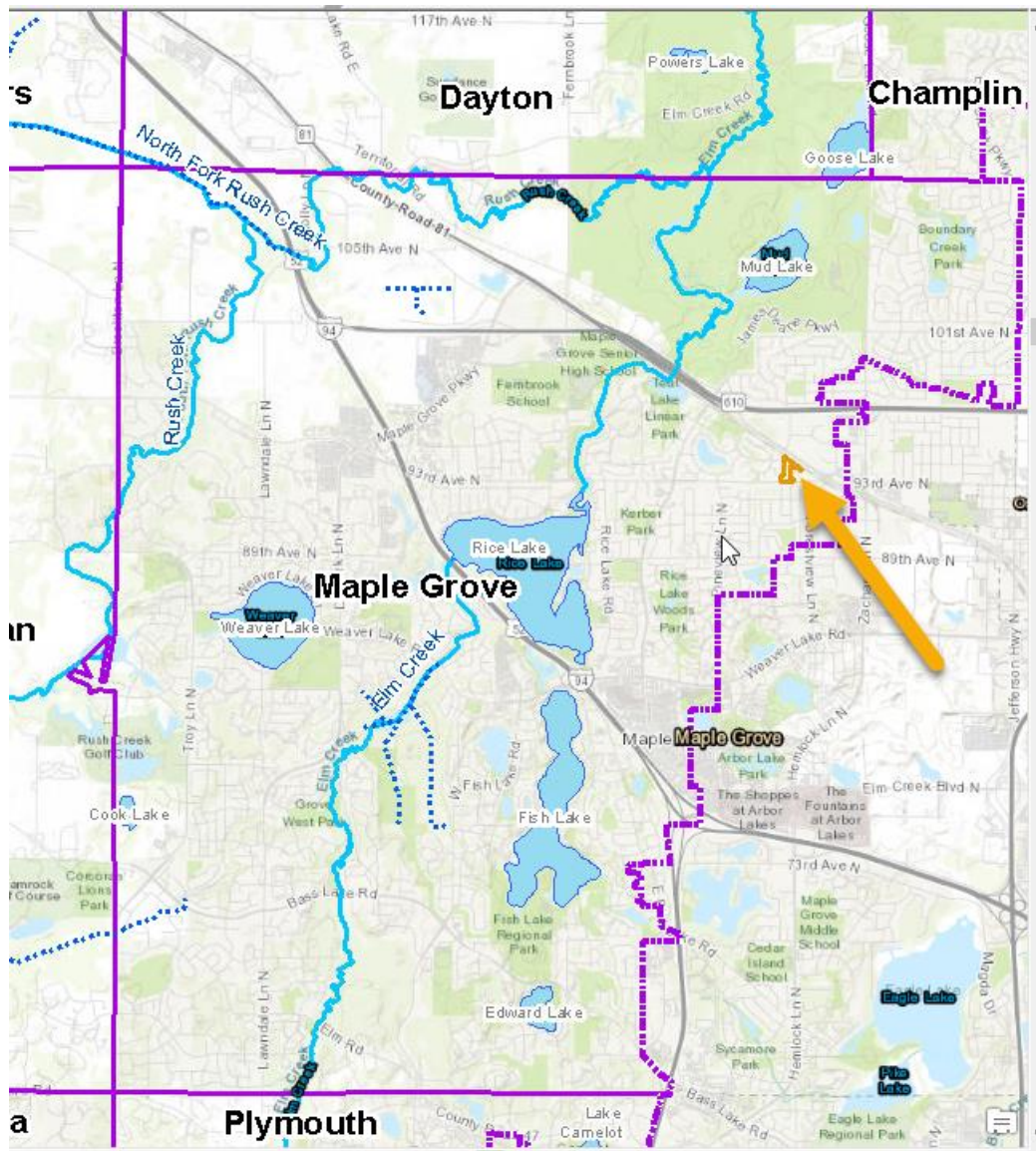


Figure 2 Excerpt from Maple Grove Local Surface Water Management Plan, Drinking Water Supply Management Areas

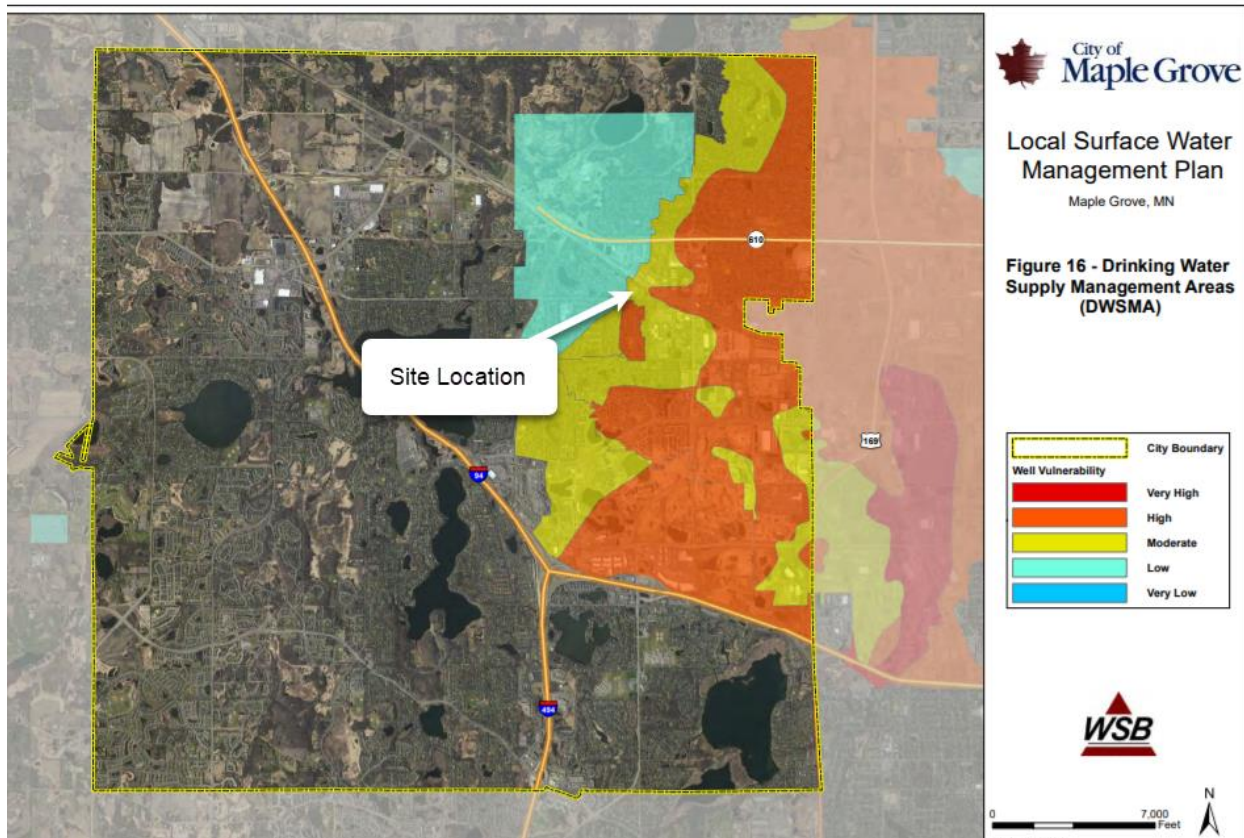


Figure 3 Existing Drainage Map



Figure 4 Proposed Drainage Plan

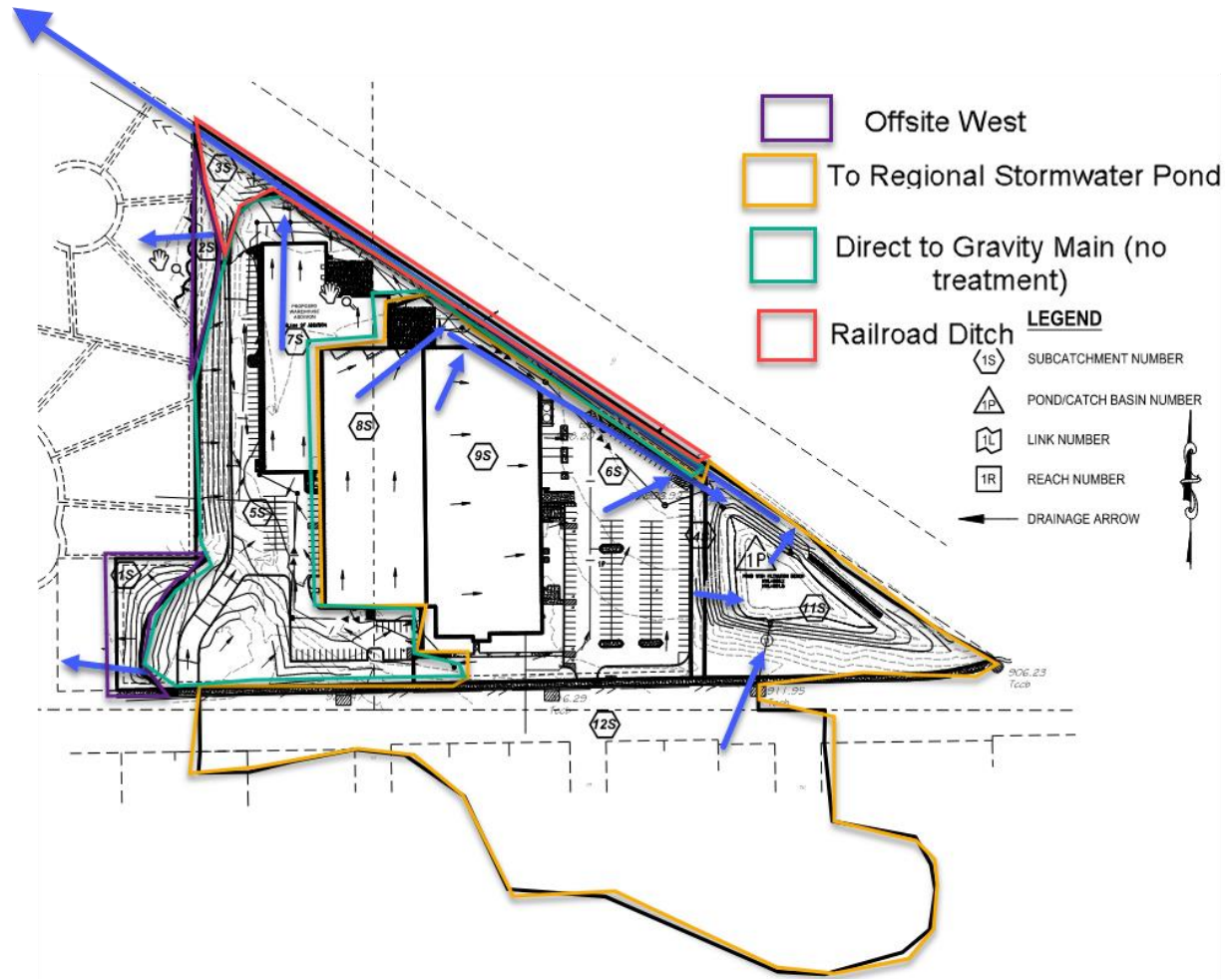
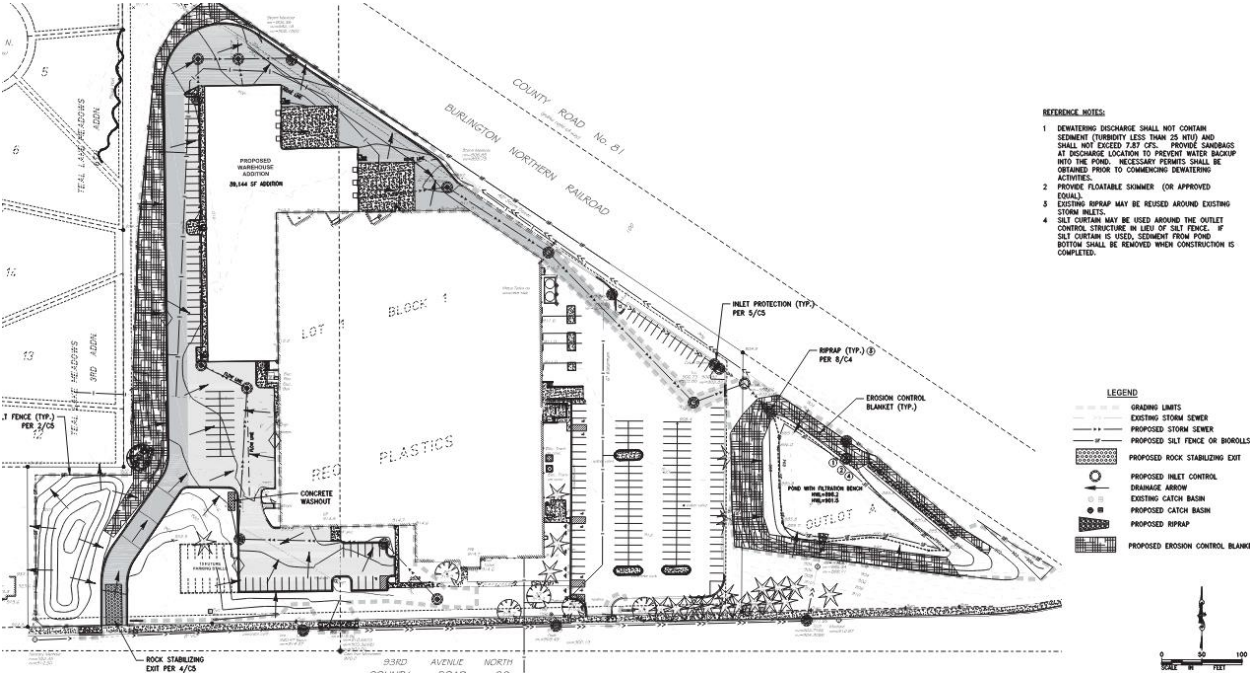


Figure 5 Erosion and Sediment Management- SWPPP



Bellwether-Newman West Corcoran Project #2021-048

Project Overview:

<i>Location:</i>	Southwest 58-acre quadrant of the Bellwether Development (previously called the Encore development) located west of CR 101, south of Stieg Road and North of CR 30.		
<i>Purpose:</i>	Grading and erosion control work on this phase of the Bellwether project to complete this section of the project and to help balance the cut vs fill soils in this site, the Amberly 1 st Addition and the Bellwether 6 th Addition.		
<i>WMC Rules</i>	Rule D	Stormwater Management	
<i>Triggered:</i>	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	

<u>Applicant:</u>	Pulte Group	<u>Attention:</u>	Chad Onsgard
<u>Address:</u>	7500 Flying Cloud Drive, Suite 670 Eden Prairie, MN 55344	<u>Phone:</u>	952.229.0723
		<u>Email:</u>	Chad.onsgard@pultegroup.com
<u>Agent:</u>	Sathre-Bergquist Inc.	<u>Attention:</u>	Eric Johnson
<u>Address:</u>	150 S. Broadway Wayzata, MN 55391	<u>Phone:</u>	952.476.6000
		<u>Email:</u>	ejohnson@sathre.com

Exhibits:	Description	Date Received
<i>Application</i>	<input checked="" type="checkbox"/> Complete ECWMC Application	November 4, 2021
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	November 4, 2021
	<input checked="" type="checkbox"/> City authorization: Corcoran, MN	November 4, 2021
	<input checked="" type="checkbox"/> Review fee: \$675	November 4, 2021
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	September 9, 2021

Submittals

1. Bellwether-Newman West Final Grading Plans, Sheets GP1 to GP4 by Sathre-Bergquist, Inc dated September 8, 2021, revised November 23, 2021.
2. Bellwether Plat Exhibit by Sathre-Bergquist, received via email on November 5, 2021.
3. ECWMC 2018-032 project review, findings, and meeting minutes, dated October 9, 2018.
4. Bellwether (Encore) Development Stormwater Management Plan by Advanced Engineering and Environmental Services Inc., updated August 19, 2021.

5. Pulte Homes, Bellwether, Encore Residential Development Storm Water Pollution Prevention Plan (SWPPP) dated June 20, 2018, updated November 24, 2021.

Findings

General

- A complete application was received November 4, 2021. The initial 60-day decision period per MN Statute 15.99 expires, January 3, 2022.
- This parcel is part of the Bellwether/Encore development. Phase I grading and the overall stormwater management plans were approved by the Commission under project 2018-032.
 - Subsequent phases and grading must be reviewed and approved by the Commission for Rule E, grading and erosion control. Stormwater must be reviewed for adherence to the 2018-032 stormwater management plan.
- ECWMC staff has authorization to provide administrative approval if the Commission standards are met

Rule E – Grading, Erosion and Sediment Control

- Erosion controls and SWPPP meet the Commissions requirements,

Low Floor Elevations

- Low floor elevations **meet** Commission requirements currently.

Stormwater Management Plans

- Stormwater management plans and successive updates are consistent with the Commission's approvals for project 2018-032.

Operation and Maintenance

- Long term operation and maintenance of the regional and localized basins must be provided. If the City will not operate and maintain the basins, the applicant must provide an O & M plan for the basins on site that is acceptable to the City and Commission. Said plan must be recorded within 90 days after the plat is filed or a building permit is issued. A copy of the recorded O & M plan must be provided to the Commission.

Wetland Alterations and Buffer Strips.

- Wetland alterations will meet the Commission requirements when the wetland replacement plan approvals from the LGU are provided for the Commission's review. Approvals of the replacement plans must be provided before there can be any temporary or permanent impacts to the wetlands on site
- Wetland buffer strips meet the Commission requirements.

Decision

Approved with the following conditions.

Conditions for Administrative Approval.

1. Approval is contingent upon final application escrow fee balance. Additional payment or refund of the fees will be determined when all conditions for approval are met.
2. Wetland replacement plan approvals from the LGU must be provided for the Commission's review and must be approved by the LGU prior to any temporary or permanent impacts.

3. Long term operation and maintenance of the regional and localized basins must be provided. If the City will not operate and maintain the basins, the applicant must provide an O & M plan for the basins on site that is acceptable to the City and Commission. Said plan must be recorded within 90 days after the plat is filed or a building permit is issued. A copy of the recorded O & M plan must be provided to the Commission.
4. Corcoran grading approval.

James C. Kujawa
Surface Water Solutions
Advisor to the Commission



11/24/21
Date

Attachments

Figure 1	Project Location
Figure 2	Existing Drainage Map
Figure 3	Proposed Drainage Plan
Figure 4	Grading Plan

Figure 1 Project Location

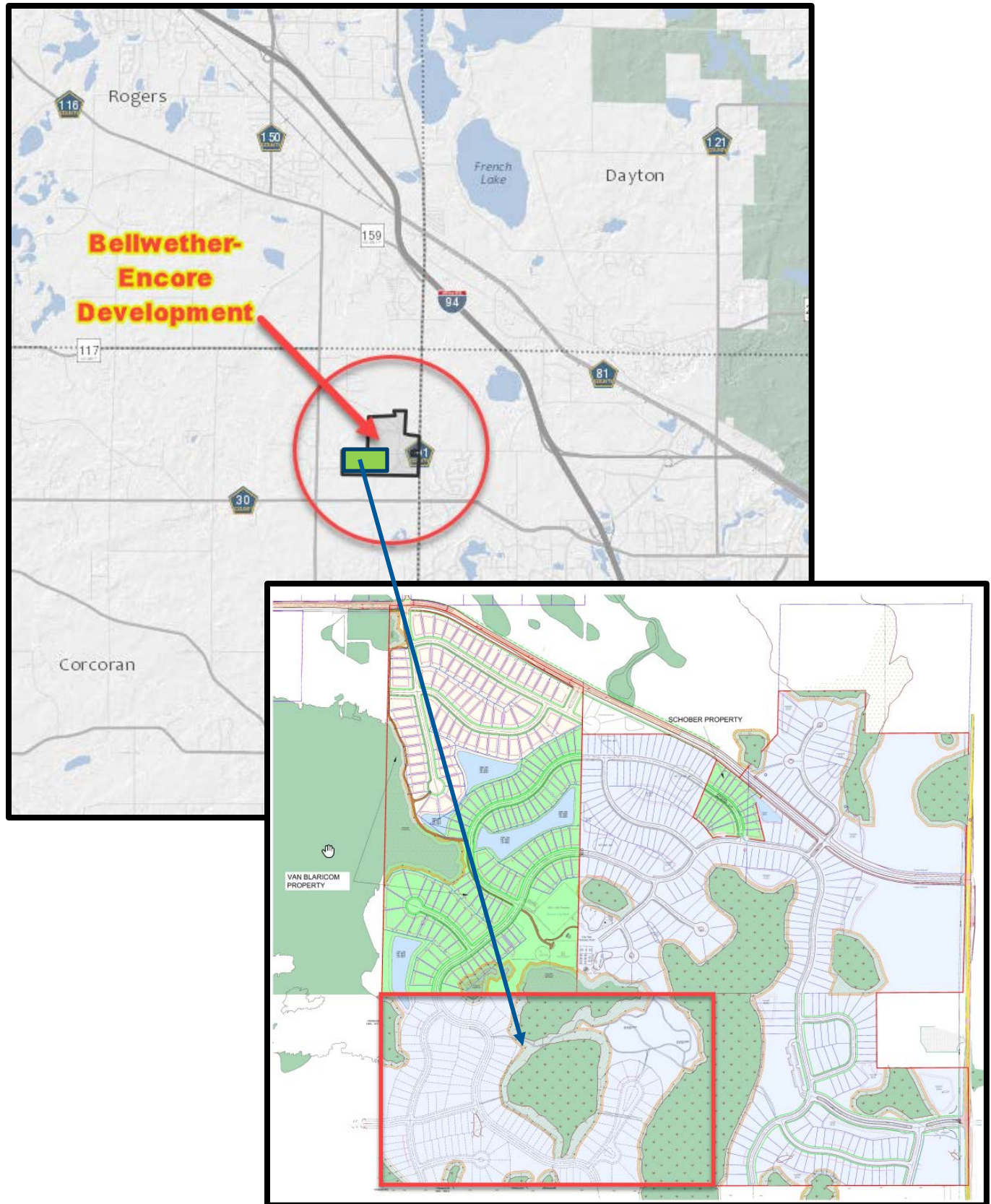


Figure 2 2020 Aerial Location



Fields of Nanterre Drainage Improvements Plymouth Project #2021-051

Project Overview:

Location: Plymouth, MN north of Schmidt Lake Road approximately one-half mile west of the intersection of Vicksburg Lane and Schmidt Lake Road.

Purpose: Project is the stabilization and maintenance of on channel north of Schmidt Lake Road

WMC Rules

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

Applicant: City of Plymouth

Address: 3400 Plymouth Blvd
Plymouth, MN 55446

Attention: Amy Riegel

Phone: 763-509-5500

Email: engineering@plymouthmn.gov

Agent: City of Plymouth

Address: 3400 Plymouth Blvd
Plymouth, MN 55446

Attention: Amy Riegel

Phone: 763-509-5531

Email: engineering@plymouthmn.gov

Exhibits:	Description	Date Received
<i>Application</i>	<input checked="" type="checkbox"/> Complete ECWMC Application	November 15, 2021
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	November 15, 2021
	<input checked="" type="checkbox"/> City authorization: Plymouth, MN	November 4, 2021
	<input checked="" type="checkbox"/> Review fee: \$675	November 12, 2021
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	November 15, 2021

Project Documents (Submittals to the Commission):

1. Site Construction Plans, prepared by City of Plymouth dated October 2021.
2. Minnesota WCA No-Loss application

Findings

General

1. A complete application was received November 15, 2021. The initial 60-day decision period per MN Statute 15.99 expires January 14, 2021.
2. The existing site is a drainage swale formed by two 36-inch pipe outlets north of Schmidt Lake Road. Runoff from the two outlets form separate drainage swales within a wetland area. These swales form a confluence and then continue west to an elevated 24-inch pipe inlet that discharges to the west.
3. The drainage swale has filled with sediment and cattails and limits discharge through the wetland.
4. The proposed project is to complete routine maintenance to remove the sediment and cattails and replacement of the failed 24-inch pipe inlet.
5. The proposed maintenance project falls under ECWMC Resolution No 2005-01, which allows Public Works Departments of the member communities to perform types of work such as "*the installation of riprap or bituminous flumes to control drainage and erosion [...], in-kind replacement of culverts*". and does not result in the increase of impervious surfaces.
6. The development **will not** create any new impervious surface. The project will disturb a proposed 0.32 acres to stabilize an existing flow path.
7. The city is preparing a wetland no-loss application.
8. There are no Elm Creek Watershed jurisdictional floodplains or steam crossings within the site.

Rule E – Erosion and Sediment Control (plans)

1. Plans **meet** Commission requirements for erosion and sediment control.
2. The erosion and sediment control plans are consistent with current best management practices and are detailed on sheets, including:
 - a. Rock construction entrance
 - b. Silt fence
 - c. Stabilization of disturbed soil areas.
 - d. Winter construction to minimize erosion and wetland impacts.

Rule G – Wetland Alterations

1. A wetland "no-loss" application has been prepared by the city and is scheduled for TEP review in late November 2021.
2. Wetland impacts cannot be assessed without an approved wetland no-loss plan or approved alternative WCA decision type.
3. The project is scheduled to be constructed in the winter to minimize wetland impacts.

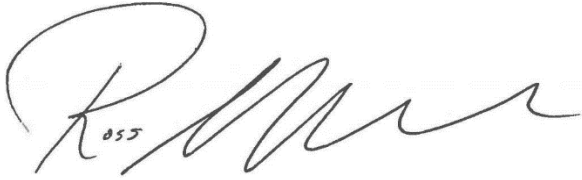
Recommendation

Technical staff approval (per ECWMC Resolution No. 2005-01)

Conditions for Approval

1. Approval is contingent upon final application escrow fee balance. Additional payment or refund of the fees will be determined when all conditions for approval are met.
2. An approved wetland no-loss decision or an alternate approved wetland decision type is submitted to the Commission.

On Behalf of Wenck (now part of Stantec Consultants, Inc.)
Advisor to the Commission

A handwritten signature in black ink, appearing to read "R. M. Wenck". The signature is fluid and cursive, with the first name "R." and last name "Wenck" clearly distinguishable.

11/22/2021
Date

Attachments

Figure 1 Project Location
Figure 2 Maintenance Detail Plan

Figure 1 Project Location

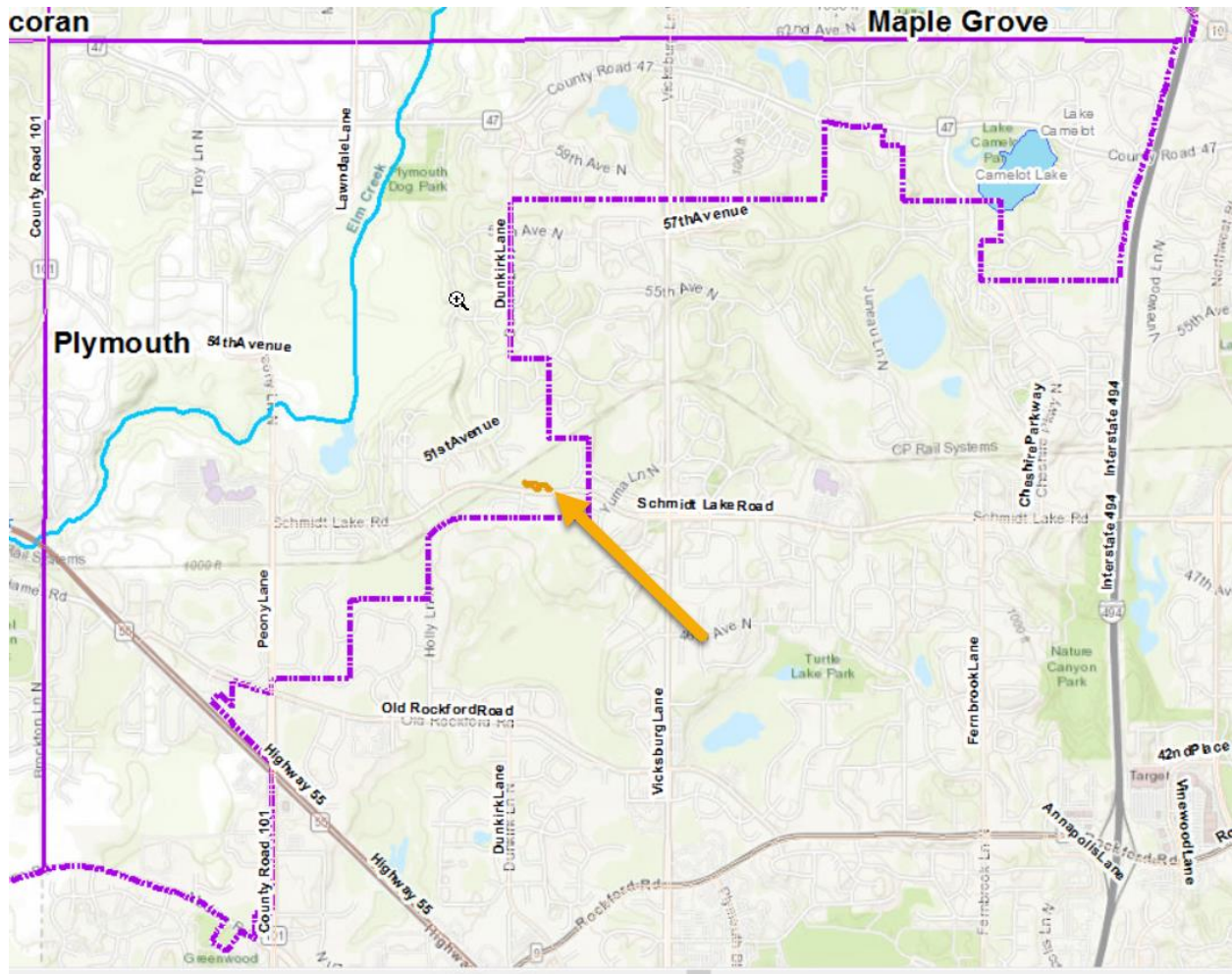
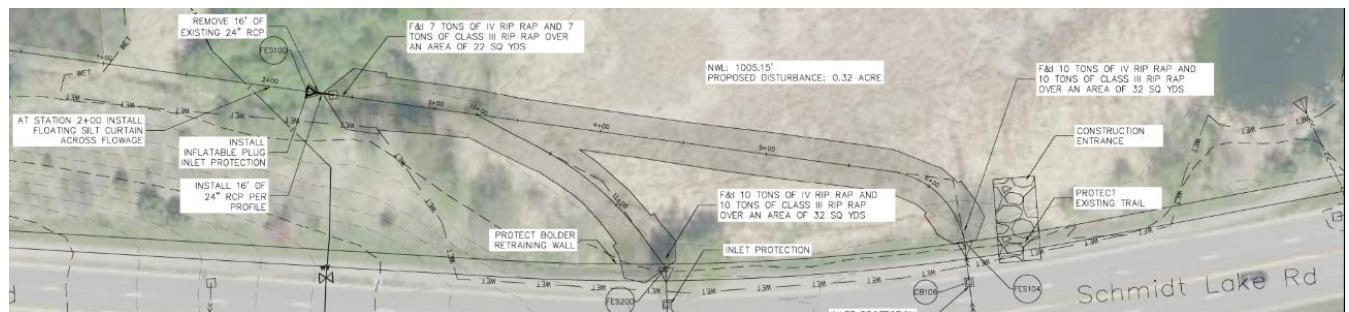


Figure 2 Maintenance Detail Plan



elm creek

Watershed Management Commission

DRAFT

2021 WORK PLAN IN REVIEW

Minnesota Rule 8410.0150 requires the Commission to submit to the Board of Water and Soil Resources a financial report, activity report and audit report for the preceding fiscal year. 8410.0150 Subp. 3 outlines the required content of the annual activity report. It includes an assessment of the previous year's annual work plan and development of a projected work plan for the following year.

The Commission's Third Generation Watershed Management Plan identifies issues, priorities, and goals for the ten-year period 2015-2024.

1. Continue to review local development/redevelopment plans for conformance with the standards outlined in the Commission's Third Generation Watershed Management Plan. *Implement 2021 project review policy, application form, and fee schedule. As of November 17, 2021, the Commission's technical advisors have reviewed fifty-one projects. The escrow fee schedule will be evaluated at year-end to determine how well it is meeting the Commission's goal of funding the costs of reviewing the projects.*
2. Continue to partner with the Three Rivers Park District (TRPD) to share in the costs of conducting lake and stream monitoring in the watershed. *In 2021 TRPD monitored Elm Creek at 77th Avenue (ECF77); Rush Creek at Territorial Road (RT); and Diamond Creek within the Elm Creek Park Reserve (DC). Creek within the Elm Creek Park Reserve. Continuous flow was collected in open channel morphology that required the development of a stage-discharge rating curve at each sampling site. TRPD took manual flow and depth measurements at stream cross-section intervals for the development of a stage-discharge rating curve to estimate flow at each sampling site. Each sampling site also had automated equipment to collect water samples for nutrient analysis during storm events. Water samples were also manually collected bi-weekly for nutrient analysis during base-flow conditions. All water quality samples collected were analyzed for total phosphorus, soluble reactive phosphorus, total nitrogen, and total suspended solids.*

TRPD will also monitor four of fifteen lakes in the Elm Creek watershed (Diamond, Fish, Rice main body, and Weaver) in 2021. Three Rivers Park District monitored the water quality of seven lakes within the Elm Creek watershed. Water quality samples were collected bi-weekly for the four Sentinel Lakes (Fish, Rice, Diamond, and Weaver) as well as three other lakes (Mill Pond, Goose, and Mud) that haven't been monitored since the watershed TMDL was completed. All the lakes had temperature/dissolved oxygen profiles collected at 1-m intervals from the surface to the bottom; and water quality samples were collected at the surface for analysis of total phosphorus, soluble reactive phosphorus, total nitrogen, and chlorophyll-a. Since two of these lakes (Fish and Weaver) frequently stratify during the summer, water quality samples were also collected at the top of the hypolimnion and 1-m from the bottom for analysis of total phosphorus and soluble reactive phosphorus. Point-intercept aquatic vegetation surveys were also conducted in the spring and fall to assess the plant community in four of the lakes (Fish, Mill Pond, Goose, and Mud).

In addition, under the cooperative agreement, the Commission and the Park District provided financial support to assist the monitoring efforts of the USGS stream gauging station on Elm Creek within the Elm Creek Park Reserve.

3. Fund the monitoring of one lake through Metropolitan Council's Citizen Assisted Monitoring Program (CAMP). *One lake will be monitored through CAMP in 2021. It was the intent to monitor French Lake in 2021; however, due to the inaccessibility of open water likely due to drought conditions, the volunteer could not perform the monitoring.*
4. Continue to operate the monitoring station in Champlin in cooperation with the United States Geological Survey (USGS). *The cooperative agreement with the USGS will be renewed for WY2021. The 2020-2021 agreement was renewed at a cost of \$40,858. The Commission's share is \$19,296. Twelve monthly manual samples were collected to represent the variations in hydrologic conditions and physical and laboratory analyses of chemicals were also taken. A refrigerated automatic sample was used to collect eight composited samples of runoff events. They were discharge-weighted and collected during increasing or peak streamflow and analyzed for the same constituents as the manual samples. Analysis was completed for Total Phosphorus, Dissolved Phosphorus, Total Ammonia plus Organic Nitrogen, Dissolved Ammonia Nitrogen, Dissolved Nitrite plus Nitrate Nitrogen, Total Suspended Solids, Volatile Suspended Solids, Chemical Oxygen Demand, and Dissolved Chloride. Physical measurements included Water Temperature, Specific Conductance, and pH.*
5. Promote river stewardship through Hennepin County's RiverWatch program with three sites in 2021, *dependent on the status of the pandemic. Due to COVID-19, students were not available to participate in RiverWatch in 2021.*
6. Participate in the MN Wetland Health Evaluation Program (WHEP) with four wetlands in 2021, *dependent on the status of the pandemic. Due to the health and safety limitations of COVID-19, WHEP was not offered in the Elm Creek watershed in 2021.*
7. Conduct the biennial solicitation of interest proposals for administrative, legal, technical and wetland consultants. *This process will be undertaken in January 2021. Solicitations were published in the December 14, 2020, edition of the State Register. Five engineering firms, one legal firm, and one administrative service provider responded. Campbell Knutson, Professional Association, and Judie Anderson's Secretarial Services, Inc. were selected to perform legal and administrative services, respectively, at the Commission's January 13, 2021, meeting. Wenck/Stantec was chosen as the Commission's technical advisor at the February 11, 2021, meeting. This process will be repeated in January 2023.*
8. Continue as a member of the West Metro Water Alliance (WMWA). *Dependent on the status of the pandemic, Watershed PREP classes may be conducted virtually. Classes at one school were taught in person as in 2021. A new Educator has been hired as of December 2021 and will begin reaching out to schedule classroom visits in 2022. A video of the Watershed PREP class is available on the WMWA website for home school or classroom viewing. <http://www.westmetrowateralliance.org/>*
9. Promote "Lawns to Legumes," a program for residents to seed their lawns with a bee lawn mix, targeting habitat for the Rusty-patched bumblebee, an endangered species. The Board of Water and Soil Resources (BWSR) will run the program with funding coming to Hennepin County serving as a Conservation District. *Additional funding is being sought to continue this program in 2021. The Commission will promote the program on its website if funding is realized. At the end of October 2021 more than 1000 trees and shrubs had been planted, more than 800,000 square feet of pollinator habitat had been created, and many thousands of hours had been spent on planting projects to protect pollinators.*
10. Sponsor Rain Garden Workshops as part of the Commission's Education and Public Outreach Program. The workshops are presented by Metro Blooms. *Virtual workshops may be substituted for in-person workshops in 2021 and made available to host cities for rebroadcasting. Since the pandemic precluded holding in-person workshops, a new Blue Thumb training program was implemented to teach participants skills in inspecting and caring for raingardens and other green infrastructure, all within a framework of eco-friendly landscaping practices. People who take part in the three-session program receive a*

Sustainable Landcare Certificate. Participants in the program first receive Stormwater Basics, learning about watersheds and how water travels in our urban environment. They also learn how raingardens are built, how they work, and how to inspect them to ensure they function properly. An important part of the program is identifying weeds, a major culprit of dysfunctional raingardens, and then choosing a way to manage them (without chemicals, if possible).

11. Continue as a member of Blue Thumb and WaterShed Partners. *Staff will continue to virtually attend Blue Thumb and WaterShed Partner meetings, bringing back programs and ideas for promotion by the Commission. Administrative staff attended these meetings, providing updates to the Commission at their monthly meetings.*
12. Continue to work in partnership with the University of Minnesota's agriculture specialist to help build relationships with the agricultural community in the watershed to achieve TMDL load reductions. *The status of the pandemic will determine what amount of interaction with landowners can occur in 2021. Hennepin County sent out mailers to agricultural producers in the Summer to advertise potential BMP projects that could be implemented in order to achieve load reductions outlined in the Rush Creek Subwatershed Assessment, while improving land management. Mailers were tailored towards the needs of either crop farmers, or those who manage livestock, to describe BMPs that would be most applicable for a landowners situation. To date, eight landowners have responded, and are currently working with Hennepin County to design BMP projects on track to be implemented in spring/summer of 2022.*
13. Work with the Hennepin County Rural Conservation Specialist. Assist landowners in identifying BMPs for implementation throughout the watershed. Work with member cities to identify projects that will result in TMDL load reductions. *Hennepin County Environment and Energy Staff will collaborate with landowners to identify BMP projects as well as larger, more strategic projects for inclusion on the Commission's Capital Improvement Program (CIP). Through a variety of outreach efforts, Hennepin County specialists are working with landowners to identify which BMPs would be the most effective. In addition, Hennepin County staff is now working more closely with the City of Corcoran to ensure that their office is aware of ongoing projects, while looking for other opportunities to leverage resources to implement further BMP projects. The County will look to expand this coordination as able.*
14. Send call out to member cities, requesting them to provide updates to the projects already included on the Commission's Capital Improvement Program (CIP) as well as inform the Commission of new projects that they would like to have considered for inclusion on the CIP. Hold public meeting, adopt an amendment to the Third Generation Watershed Management Plan, conduct public hearing, and certify levy to Hennepin County. *This process will be repeated in 2021. The Technical Advisory Committee was convened on May 5, 2021, to update the 2020 CIP. At that meeting the members received revisions, additions, and deletions to the 2020 CIP spreadsheet from the member cities. Four projects were removed at the request of the city (Maple Grove) where they were proposed; two projects were added, one each in Dayton and Medina; and three projects were updated, either for cost or for year of construction. These revisions were approved by the TAC and recommended to the Commission.*

On June 9, 2021, the Commission conducted a Public Meeting at which time it adopted Resolution 2021-03 Adopting a Minor Plan Amendment pursuant to the recommendation of the TAC and set the 2021 maximum levy at \$291,638. The Hennepin County Board approved the Minor Plan Amendment and adopted a 2021 maximum levy of \$291,638 for the Elm Creek Commission on August 3, 2021.

At their August 11, 2021, meeting, the Commission called for a public hearing to be held on September 8, 2021, to consider two projects for levy in 2021, pay 2022:

- a. *Project 2021-01: Elm Road Area/Everest Lane Stream Restoration, Maple Grove. 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.

b. Project 2021-02: Elm Creek Stream Restoration Phase V Hayden Lake Outfall, Champlin. 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.

At the September public hearing, with no written or verbal comments having been received from the cities, reviewing agencies, or the public, the Commission adopted Resolution 2021-04 Ordering [the] 2021 Improvement Projects, Designating Members Responsible for Construction and Making Findings and Designating Commission Cost-Share Funding. On September 13, 2021, the Commission informed Hennepin County of the Commission's levy request for 2021 (payable 2022) of \$291,638.

15. Undertake high priority projects identified in the Rush Creek Headwaters Subwatershed Assessment. *This process will continue in 2021. Best management practices that will reduce nutrient, sediment, and bacterial contamination in the Rush Creek Watershed have been completed over the past year, or are currently nearing implementation. Projects that have been completed in 2021 include a waterway and WASCOB as a part of the Jubert Lake Agricultural BMPs Project. More high priority projects related to curbing manure runoff, such as manure bunkers and filter strips, have been identified and are in the initial stages of planning. Larger projects such as the Jubert Lake Agricultural BMPs, are entering second phases that will include more intensive practices such as wetland restorations and grassed waterways.*
16. Adopt a 2022 operating budget. *A Budget Committee will draft a 2022 operating budget for consideration by the Commission in May 2021. At its June 9, 2021, regular meeting, the Elm Creek Commission approved a 2022 operating budget totaling \$931,405. To fund this budget the Commission approved member assessments of \$237,300, a zero increase over the past two years' assessments.*
17. Continue to populate and maintain the Commission's website www.elmcreekwatershed.org to provide news to residents, students, developers and other individuals interested in the water resources of the watershed. *This process will continue in 2021. In 2021 the website had [redacted] total users. Of these, [redacted] were new users in 2021. A total of [redacted] sessions occurred among all users, averaging [redacted] pages per session.*
18. Publish an annual activity report summarizing the Commission's yearly activities and financial reporting. *The 2020 Annual Activity Report will be published in April 2021 and made available to the member cities and the public on the Commission website, <http://www.elmcreekwatershed.org/annual-reports.html>. The report was accepted by the Commission at its April 14, 2021, meeting*
19. For the 2020-2021 biennium of the Watershed-Based funding program, BWSR decided to allocate the funds based on major watershed divides. Elm Creek is in the Mississippi West Major Watershed (MWW) which was allocated \$874,153. Funds become available July 1, 2020. Grants from these funds expire December 31, 2023. *Elm Creek submitted two projects, the Rush Creek Restoration for \$200,000 and the Elm Creek Restoration at the outlet of Hayden Lake for \$300,000. After criteria ranking, Elm Creek was awarded \$281,996.20 to be put toward one or both projects at the discretion of the Commission. A 10% local match is required. In addition, other grant funds will be pursued to complete these stream restorations.*

Elm Creek is also in the North Fork Crow (NFC) major watershed which was allocated \$91,105.00; however, no projects were identified within the major watershed area to use the funding, so it was relinquished to other participants.
20. Complete Special Flood Hazard Areas on the FEMA Floodplain maps located within the watershed into current modeling packages. The total budget for this project in Elm Creek is \$92,772.45 and does not

require a local match. *The DNR provided funding for this project through a FEMA grant that did not require a local match. At December 25, 2020, eight percent of the original budget remained, not including \$14,800 of additional work authorized by the DNR in December 2020 and an additional \$1,200 for the revision of 12 subwatersheds and update of the HEC-HMS model inputs for those subwatersheds. The term of the contract ended March 31, 2021. Barr Engineering submitted final deliverables for the project on that date. The DNR plans to hold a meeting in early 2022 to review the updated special flood hazard areas with member communities.*

21. Support the City of Maple Grove and its partners as they undertake a subwatershed assessment for Weaver Lake. *The City has begun its work on the subwatershed assessment and is awaiting comments from the lake association before finalizing the assessment. The City has nearly completed the Weaver Lake Subwatershed Assessment and a copy will be provided to the Commission upon final completion.*
22. Support the City of Corcoran and its partners as they undertake a subwatershed assessment for the South Fork of Rush Creek. A small portion of the South Fork also flows through the cities of Maple Grove and Medina. *Corcoran intends to continue pursuing funds and/or grants for this project. Staff recognizes a need to generate local funds and has discussed a stormwater utility as development expands in Corcoran's MUSA area as well as considerations for rural Corcoran. Council level discussions are likely to occur in 2021. Council has approved a Stormwater Area Charge Study to evaluate options with results anticipated to be presented to the Council in early 2022.*
23. Support the City of Dayton and its partners to continue efforts for completion of the Diamond Lake subwatershed assessment. *At 2020 year-end, the Diamond Creek Subwatershed Assessment Project was at approximately 75% completion. Most of the technical components of the project (~90%) were completed in 2020, including data compilation, GIS analysis, modeling, field visits, BMP siting, planning level design, and cost estimates. Staff have begun outlining and drafting the final report and plan to have a draft for local stakeholder review by the end of March 2021. Nico*
24. Convene a meeting of the Technical Advisory Committee to review any discrepancies between the Commission and member city Rules and Standards. *On August 26, 2021, the TAC began its review with discussion regarding the challenges related to low elevations/low openings adjacent to flashing waterbodies such as ponds, an issue that became relevant when reviewing a project for which a variance was approved. They worked from a flow chart created by Staff that summarized the review path taken by the Commission's Technical Staff when reviewing projects. They will continue their discussions at a future TAC meeting.*
25. Participate with the Board of Water and Soil Resources in a Performance Review and Assistance Program (PRAP) Level II Review. *At the September meeting Brett Arne described BWSR's Performance Review and Assistance Program and presented the results of the review of the Elm Creek Commission.*
This was a Level II review, conducted by BWSR once every ten years for every local government unit. Its focus is on the degree to which an organization is accomplishing its water management plan. A Level II review includes determination of compliance with BWSR's Level I and II statewide performance standards, a tabulation of progress on planned goals and objectives, a survey of staff and board members of the factors affecting plan implementation, a survey of the Commission's partners about their impressions of working with the Commission, and a BWSR staff report to the organization with findings, conclusions, and recommendations. The final report has not yet been received. The following recommendations were brought forward by BWSR:
 - a. *Existing planning goals are too broad. They need to be more targeted, prioritized, and measurable.*
 - b. *Conduct internal analysis of the CIP. Work with city officials, informing them of the benefits of the program. Identify barriers that preclude this from happening.*
 - c. *Review regulatory timelines.*

- d. *Coordinate communication efforts between Commission and landowners. Focus on specific land areas that contribute to low water quality. Partner with Hennepin County in these efforts. The County is a valuable resource for marketing programs and oftentimes also has grant resources available.*
- e. *(Added during the discussion when the recommendations were presented.) Update the Commissioner Handbook, conduct training session for Commissioners. Look to League of Minnesota Cities and the BWSR website for resources/assistance.*

The PRAP report was accepted at the Commission's September meeting. Plymouth Commissioner Catherine Cesnik volunteered to work with Chairman Doug Baines, Stantec consultant Diane Spector, and Administrator Judie Anderson on these recommendations, particularly item 5. A couple of TAC members will also be invited to be members of this committee.

One of the specific recommendations, a draft Data Practices Policy, was presented and approved at the Commission's October meeting.

DATE: December 1, 2021

TO: Elm Creek Watershed Management Commission (ECWMC)

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

RE: November ECWMC Updates

Amendment to ECWMC Services Agreement

Update: The ECWMC 2021 Services Agreement amendment was fully executed on November 24th. Stantec staff may now start working on developing the manure bunker AutoCAD design for the County. All work must be completed by December 31, 2021.

Previous: Hennepin County met with Stantec to create a scope of work for developing and approving plans for manure bunker construction. Hennepin County will provide AutoCAD files for a three-bay bunker system that Stantec will edit into a roofed, two-bunker system that can be placed in any direction or orientation without concern of wind-loads. This will allow Hennepin County to better meet landowner needs and utilize the practice more effectively in projects throughout the watershed.

Per Commission request, this work will be included in an amendment to the County's Services Agreement with ECWMC. That amendment, along with a Project Understanding from Stantec, is included in ECWMC November meeting packet materials.

Project / Program Updates

Rush Creek Projects

Jubert Lake Area Agricultural BMPs

Update:

- Amendments to Phase 1A BMP plans were completed by EOR and returned to Hennepin County.
 - Rock spillways moved except for 13NE
 - Included recommendation for landowner to address future erosion issues in 13NE if not installed
 - Note added that rock aprons need to be confirmed on-site due to potential inconsistencies with edge of field based on available aerials.
 - Provided NRCS specs with the final design.

- Wetland delineation and permitting is currently under review with LGU, watershed, BWSR and USACE for approval, NOA and NOD.
- Top of Hill Water
 - Post-construction inspection on installed grassed waterway was completed with some erosion on observed. Hennepin County is working with staff from the Wright County Soil and Water Conservation District
 - Punch list needs review by engineer and contractor.

Previous:

- Final Plans for Phase 1A BMPs were completed by EOR and returned to Hennepin County.
- Final Plans included an updated Engineer's estimate, which is now reflected in the cost table below. Increases in costs, relative to the last update, were primarily to reflect the likelihood of having to replace tile beneath the wetlands, which was not part of the last estimate.
- Wetland delineation for the project was completed.
- WCA Application requires landowner signature before it is submitted.
- Construction for project projected to begin in Spring 2022.

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 WASCOB + Waterway	\$32,704.80 [#]	\$8,176.20	\$3,270.48	\$17,987.64
	Arens WASCOB + Waterway	TBD	TBD	TBD	TBD
Spring 2022	Phase 1A BMP 4 – Waterway	\$26,150	\$6,537.50	\$2,615	\$14,382.50
	Phase 1A BMP 9 – 2 Waterways	\$48,150	\$12,037.50	\$4,815	\$26,482.50
	Phase 1A BMP 13 – 2 Waterways	\$38,360	\$9,590	\$3,836	\$21,098
	Phase 1A BMP Other – Creek Bank Stabilization at Field Crossing	\$6,980	\$1,745	\$698	\$3,839
2022	Phase 1B BMP 11 – Wetland Expansion	\$75,610	\$18,902.50	\$7,561	\$41,585.50
	TOTAL	\$227,954.80	\$56,988.70*	\$22,795.48**	\$125,375.14***

[#] Bid estimate from contractor

*Commission Capital Funds remaining = \$49,737.50

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

***Grant funds unencumbered = \$18,222.50

Rush Creek Landowner Outreach

129th Ave N, Dayton:

Update: Project is under contract. Due to unfavorable weather and inconsistent freeze cycles construction will be on hold until spring. Stantec is working to design the roof structure over the winter.

Update: Stantec will handle design and certification of roof for the bunker. Hennepin County is sending AutoCAD files to Stantec for edits and plan draft.

Previous: Currently have approval for the concrete pad and structure. However, Hennepin County still needs a signature from a PE for roof of the structure. Currently exploring options for finding an approved signature. Resident has two horses with a paddock, grazing area, and barn. Currently observing saturated areas around the current manure storage area during times with frequent or heavy rainfall leading to runoff into the southwest corner of the property. HC staff has discussed the building of a manure storage bunker on the property with the resident and has developed plans similar to a past project with modifications to match the landowners needs. Staff are currently in need of a structural engineer to sign off on the plans before contracting and implementation can occur.

Bechtold Road and County Road 10, Corcoran

Update: Hennepin County staff are obtaining opinions from Wright County S&WCD regarding possible solutions for drainage management.

Previous: Staff met with landowner and neighbor who are having drainage problems. Several fields outlet behind their barn, causing half of the property to be unreachable. Staff will map out potential tile lines and develop a plan for BMPs in the coming weeks.

9945 Sundance Road

Update: Proposal for gutters, waterer, and drainage improvements around the barn has been submitted to the landowner as a first phase of projects. Hennepin County staff are obtaining opinions from Wright County S&WCD on what BMP's would be applicable.

Previous: Landowner responded to the Rush Creek mailer with requests for exclusionary fencing and automatic waterers for livestock. Hennepin County Staff met with the landowner to identify other potential projects including rotational grazing assistance, and barn gutters. Currently, there is a drainage problem with pastures south of the barn. Staff are investigating cause and potential solutions.

23225 113th Ave., Rogers

Update: Hennepin County staff are discussed fence designs with landowners. Currently in the process of obtaining quotes for work. Landowner is currently reviewing manure bunker proposals.

Previous: Hennepin County staff met with landowner after connecting through the Rush Creek mailer. Landowner is looking for fencing to keep horses out of a nearby wetland, and a manure bunker. Staff are currently drafting plans and getting fencing estimates.

22835 County Road 10, Corcoran

Update: Fencing plans are currently under review.

Previous: Landowner responded to the Rush Creek mailer seeking assistance with cattle getting into channels that run through his property. Staff visited the property to identify areas for exclusionary fencing and crossings. Landowner is currently filing paperwork and obtaining estimates while staff draft a plan.

Other Landowner Conservation Assistance:

Agricultural Soil Health Initiative

Update: Program flier has been sent out to growers in the watershed for 2022 planning. See attachment.

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

Agricultural Conservation Program

Update: Survey is currently being developed to gain a better understanding of what farmers and landowners would like to see in a farmland conservation program. That will be sent out before focus groups, which are currently being planned, are conducted to get more in-depth comments.

Previous: Staff are currently developing options to preserve farmland in Hennepin County. Staff have met with others who have developed similar programs in other areas of the country to learn more about potential options. A mailer was sent to farmers and landowners with agricultural operations to gauge their interest and obtain input on the program. Follow up conversations are currently underway.

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>

Grants available to increase pollinator habitat on residential properties

The Minnesota Board of Water and Soil Resources and Blue Thumb are now accepting applications for the [Lawns to Legumes program](#), which aims to increase habitat for at-risk pollinators on residential properties.

All Minnesota residents are eligible to apply for individual support grants, which reimburse gardeners for up to \$300 in costs associated with establishing pollinator habitat in their yards. The program also offers workshops, coaching, and planting guides.

Applications for 2022 projects will be accepted through February 15, 2022. [Learn more and apply.](#)





Hennepin County has funding and support to promote soil health. Effective practices such as planting cover crops and reducing tillage are eligible for the new soil health incentive program. Farmers who improve soil health see many benefits: stabilized soils, improved soil fertility, reduced need for inputs, and yields become more consistent and sustainable over time.

There are several ways to improve soil health, and every farm is different – what's right for one farm might not be right for the one next door. Three common ways are reducing tillage, adding cover crops, and adding diversity to the crop rotation.

Basic participation requirements for all participants

- Soil testing and analysis before, during, and after participation (paid by the program)
- Membership to the Minnesota Soil Health Coalition (paid by the program)
- Work with a soil health "mentor"—another grower experienced in implementing soil health practices, provided by the Minnesota Soil Health Coalition
- Program meeting with other participants to share lessons-learned and troubleshoot challenges
- Work with county staff to develop and follow a site-specific Soil Health Improvement Plan that will guide practices that are eligible for incentive payments

Type of soil health practice	Incentive payments (per acre per year)	Operation, maintenance, and reporting requirements
Cover crops	<ul style="list-style-type: none"> • Single species 1 year: \$30 • Multi-species 1 year: \$45 • Single species 3 years: \$40 • Multi-species 3 years: \$55 	<ul style="list-style-type: none"> • Growing season documentation of cover crop growth • Records related to seeding and termination
Tillage practices RT=reduce till ST=Strip till NT=No till	<ul style="list-style-type: none"> • RT 1 year: \$7 • ST 1 year: \$10 • NT 1 year: \$13 • RT 3 years: \$11 • ST 3 years: \$14 • NT 3 years: \$17 	<ul style="list-style-type: none"> • Tillage tool inspection • Records related to passes and timing • Field verification of residue
Crop rotation	<ul style="list-style-type: none"> • Basic rotation organic or non-organic \$9 • Specialty crop organic or non-organic \$23 	<ul style="list-style-type: none"> • The crop rotation shall include a minimum of two different crops; a cover crop is considered a different crop. • Evaluate the rotation and the crop sequence to determine if the planning system is meeting the planned purposes.

Eligible recipients

Any Hennepin County farmland landowner or farm operator (someone who produces an agricultural produce for a market) can initiate a project

Application timeline

Continuous – participants must sign a form affirming desire to participate before being program eligible

Landowner match

Incentive payments are intended to reduce, but not eliminate the risk of trying something new – you very likely will have additional operational costs, but there is not required "match" in order to receive the incentive payment.

Project timeline

Seeing the operational and financial benefits of building soil health takes time – we strongly encourage making at least a three-year commitment to trying new practices, but minimum contract length is one year.

Reporting requirements

- One growing season check-in to review plan, discuss any necessary adjustments
- One post-harvest check-in to review challenges and opportunities

Other notes and considerations:

- Contract amounts may be limited by interest in the program and funding available to the incentive program
- Incentive payments are intended to reduce risk of the implementation of NRCS practice codes listed above that will have environmental benefit to soil and water resources – they will not be paid to support "status quo" practices of crop systems that already exist. Hennepin County staff have the sole discretion to determine if a proposed project represents an operational change warranting an incentive payment.
- Incentive payments can be stacked with other State or Federal programming when applicable.
- In a case where the farmland owner and the farmland operator are different, both people will need to be aware of and supportive of a project.

Contact us today

Staff is available to help you with best soil health practices and answer any questions related to the grant and application process.

Learn more at hennepin.us or contact Paul Stewart, paul.stewart@hennepin.us or 612-272-1888



Shaping priorities for protecting natural resources in Hennepin County

We need your input! Let us know how you would like to be engaged in the update of the Hennepin County Natural Resources Strategic Plan

From lakes and rivers to urban parks, forests and prairies, Hennepin County has an abundance of diverse landscapes and natural resources. These natural resources provide critical habitat for wildlife, protect water quality, offer recreational opportunities, and enhance our collective quality of life.

We all play a role in protecting our natural resources, and we need to hear from you. We are seeking input from the community as we update the Hennepin County Natural Resources Strategic Plan, which will define our natural resources goals and strategies for the next 10 years. The updated plan will seek to better align with new county initiatives, shifting demographics, and changing landscapes. This is the first opportunity to incorporate the county's climate and racial equity priorities into the foundation of the plan.

We will be seeking input from the community throughout the year-long plan development process to ensure your values and priorities are reflected.

About the Hennepin County Natural Resources Strategic Plan

The Hennepin County Natural Resources Strategic Plan guides the county's work to improve, protect, and preserve natural resources. The plan provides a framework for our natural resources policies, programs, and partnerships. This plan guides the duties and authorities of the Soil and Water Conservation District, a role that Hennepin County fulfills. The plan also includes science and data-based information to guide staff in addressing the technical issues facing surface waters, groundwater, natural resources, wildlife, and soils of Hennepin County.

Hennepin County's role in protecting natural resources

Work the county does to protect land and water resources includes:

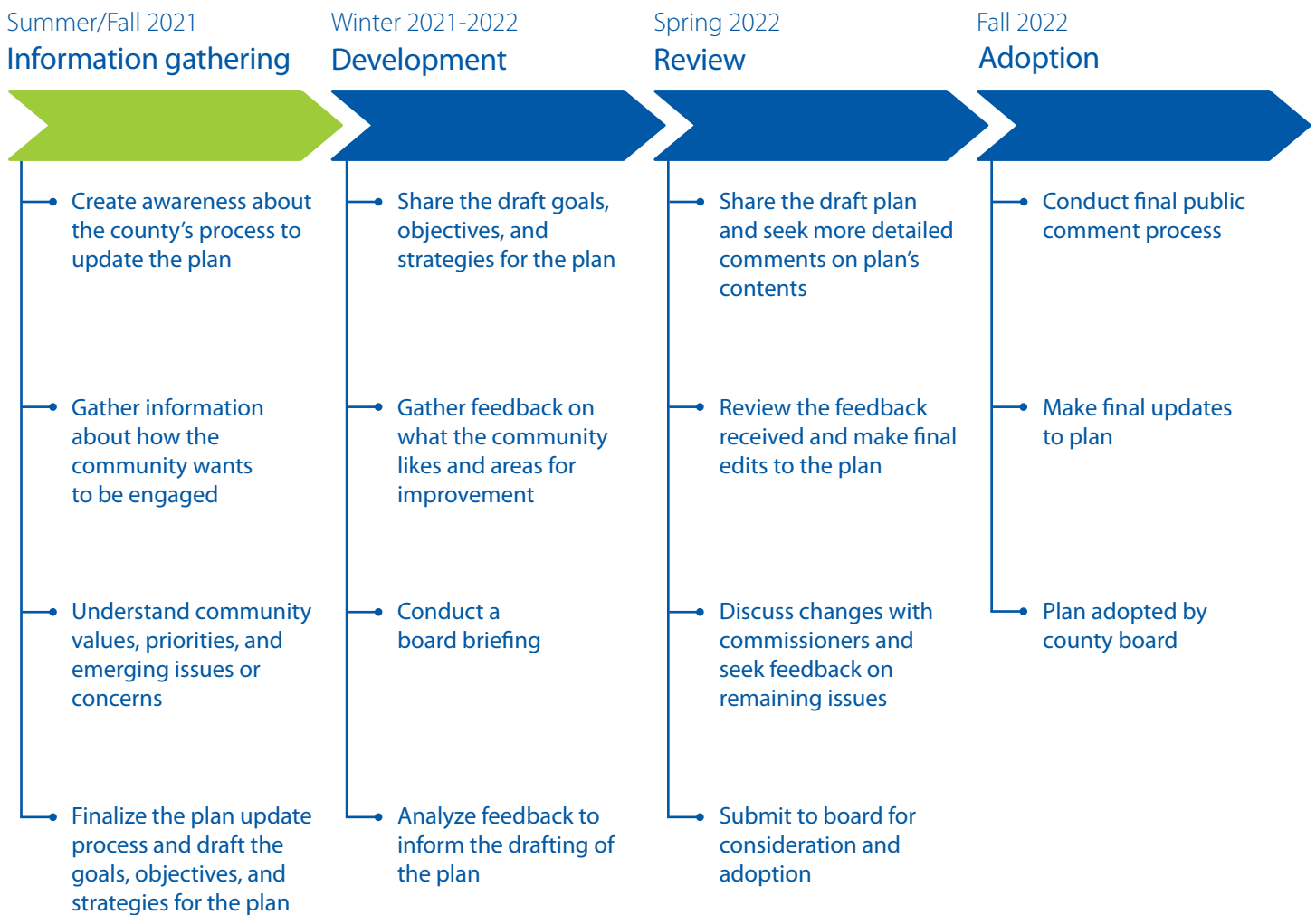
- Protect and restore natural areas, including managing and acquiring conservation easements to permanently protect the best remaining natural areas in the county.
- Protect and restore wetlands, including enforcing the state's Wetland Conservation Act.
- Improve water quality by partnering with local watershed management organizations and cities.
- Prevent the spread of noxious weeds and aquatic invasive species by conducting inspections, educating residents, and working with partners on projects.
- Improve and diversify the tree canopy by growing, planting and maintaining healthy trees, working with partners on large-scale planting events and through grants, managing threats to the tree canopy, and educating the public.
- Educate residents and provide technical and financial assistance to landowners on topics such as sustainable landscaping, agricultural best management practices, soil health initiatives, and other practices to protect water quality and wildlife habitat.
- Manage navigational buoys and public access points for several public waters, including Lake Minnetonka, Lake Independence and Lake Sarah.



Plan update process and timeline

Staff are planning the update process now. We anticipate four phases, each of which will include community engagement. Staff are committed to listening to understand community values about natural resources, learn about their priorities, and identify emerging issues or concerns that should be considered in the plan.

Each phase will include opportunities for the public to offer feedback and stay up to date on the progress toward the adoption of the updated plan. A variety of engagement tools will be used throughout the process, including surveys, meetings, and one-on-one conversations. Staff will share updates through the Natural Resources Strategic Plan email list, on the county's website, and through social media and local news outlets.



Stay up to date

Learn more at hennepin.us/natural-resources-plan and sign up for email updates to stay informed of the process each step of the way.



11/19/21

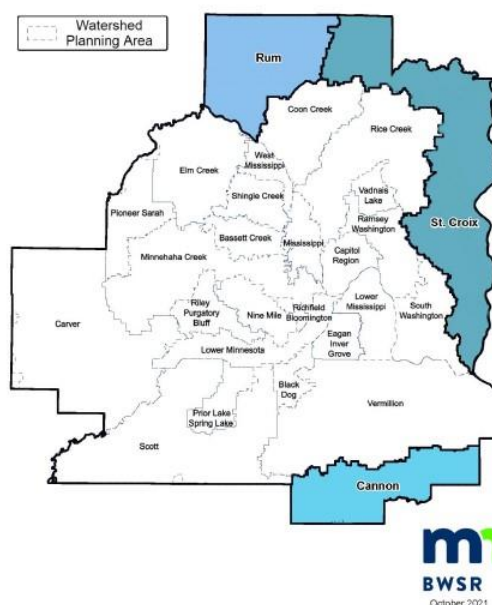
Metro Area Watershed-Based Implementation Funding (WBIF) Program FY22-23 Convene Process Guidance

The purpose of WBIF is to supplement existing funding to accelerate clean water activities (practices, projects, and programs) toward advancing Minnesota's water resources goals through prioritized and targeted cost-effective actions with measurable water quality results.

In the seven-county Metropolitan Area (Metro), only activities identified in the *implementation* section of a state approved and locally adopted comprehensive watershed management plan developed under Minnesota statutes §103B.101, Subd. 14 or §103B.801, watershed management plan required under §103B.231, county groundwater plan authorized under §103B.255, or a Metro soil and water conservation district enhanced plan as described in the “*Metro SWCD Enhanced Comprehensive Plan Options Guidance Document*” (<https://bwsr.state.mn.us/watershed-based-implementation-funding-program>) and authorized under §103C.331 are eligible to be funded. Activities must also have a primary benefit towards water quality.

For purposes of this document, the group of participants in each watershed allocation area (see map) will be called a partnership (e.g., Rice Creek partnership or Rum partnership) and meetings will be referred to as convene meetings.

**Twin Cities Metro Area Allocation Map for the
Watershed-based Implementation Funding Program**



Convene Meeting Process

The convene meeting process allows the partnership to jointly coordinate on the development of a WBIF budget request for submittal to BWSR that is prioritized, targeted and measurable. Each partnership will include one decision-making representative (participant) from each watershed district and/or watershed management organization, soil and water conservation district, county with a current groundwater plan, and up to two decision-making representatives from municipalities within the allocation area.

Prior to the initial meeting, individual organizations must select one decision-making representative to the partnership. Municipalities in each allocation area must coordinate prior to the start of the convene process to self-select up to two decision-making representatives. Municipal representatives are expected to communicate with other municipalities on the solicitation and selection of projects and

activities during the process. The partnership can then either select a local government entity (or entities) to coordinate and facilitate the convene meeting(s) or request assistance from BWSR by contacting the Board Conservationist (BC). The BWSR BC and Clean Water Specialist (CWS) must be invited to convene meetings. Meeting notes that document the general discussion, decisions, and attendees will be taken by the facilitating entity and shared with the partnership soon after each meeting and be made available upon request.

Each partnership must meet at a minimum of one time prior to submitting a budget request. Ideally, partnerships will develop a shared understanding of proposed activities during the convene meeting process. In order to improve the efficiency of the convene meeting process, BWSR recommends the following meeting objectives.

Recommended Convene Meeting Objectives:

1. Choose a decision-making process.
2. Decide how to select activities for funding. Note that partnerships may also want to choose funding targets for different categories (e.g., projects, studies, education).
Partnerships may select activities by:
 - Developing a list of potential activities from eligible plans,
 - Dividing funding among eligible entities in an equitable manner,
 - Selecting a few priority waterbodies (lake, streams) and/or groundwater areas to prioritize activities,
 - Using agreed upon criteria to select activities, or
 - Using a process approved by the BWSR Central Region Manager.
3. Select the highest priority, targeted, measurable, and eligible activities to be submitted to BWSR as a budget request (see submittal process below).
4. Confirm which entity will serve as grantee and/or fiscal agent for each selected activity and decide on the source of the 10% required match.

Eligibility

To better understand the eligibility of proposed activities, BWSR recommends that you first refer to the FY22-23 WBIF Policy at <https://bwsr.state.mn.us/grant-program-policies>. If there are questions regarding eligibility, it is recommended that the BWSR BC be consulted as early as possible.

The partnership must send the BWSR BC a list of partnership-approved activities prior to submittal of an eLINK budget request when there will be multiple grantees per watershed allocation area to ensure funds are not being overextended. This list should include the project title and description, water resource(s), proposed measurable outcome(s), grant funds requested, plan reference(s), entity requesting funding (grantee), and fiscal agent (if different from grantee).

Even if your partnership will not have multiple grantees, it is still recommended that partnerships provide the BWSR BC this same list of project details prior to completion of a budget request in eLINK in order to accelerate the eligibility screening process. This step could reduce the need for additional meetings or the number of times an eLINK budget request is completed.

A template can be provided if requested. For plan references, please provide the title(s) to the eligible water management plan(s), page number where these are found in the *implementation section* of the

eligible plan(s), and weblink to the referenced plan(s).

Submittal of the Budget Request

Once the activities have been agreed upon by the partnership, each grantee will then be responsible for submitting an eLINK (<https://bwsr.state.mn.us/elink>) budget request to BWSR. BWSR may deny the budget request for reasons such as activities are ineligible according to the WBIF Policy, activities are not identified in the implementation section of an eligible plan, requested amount is inaccurate, the request is incomplete, etc. Please save the budget request information outside of eLINK as this information is not retained in eLINK if a budget request is denied and a new budget request would need to be submitted.

Once the eLINK budget request is approved by BWSR, each grantee will be responsible for completing an eLINK work plan, which needs to be approved by BWSR **no later than March 30, 2023**. Note that if a work plan cannot be approved by this date, BWSR will reallocate these funds through the WBIF Program. Therefore, we highly recommend that eLINK budget requests are submitted no later than November 30, 2022 and the eLINK work plan is submitted by December 30, 2022. The work plan must be approved by BWSR prior to funds being distributed.

Guidance on the eLINK budget request and work plan can be found at <https://bwsr.state.mn.us/grant-profile-watershed-based-implementation-funding> under “Resources”.

Timeline (hard deadlines are in bold font)

- BWSR holds informational meeting(s) (Jan. – Feb. 2022)
- Organizations select decision-making representatives for convene meetings (Jan. – March 2022)
- Partnerships select meeting coordinator/facilitator (Spring 2022)
- 1-2 convene meetings held (Spring 2022)
- Funding available (**July 1, 2022**)
- Send list of partnership-approved activities to BWSR – this is required for areas with multiple grantees and recommended for other areas (prior to the submittal of the eLINK budget request)
- Submit eLINK budget requests (July 2022 – Nov. 2022)
- eLINK Work Plan submittal deadline (Aug. 2022 – Dec. 2022)
- eLINK Work Plan approval deadline (**March 30, 2023**). Note that if a work plan cannot be approved by this date, BWSR will reallocate these funds through the WBIF Program.
- Grant expiration date (**Dec. 31, 2025**)

Additional Information

- Please see the WBIF Policy, Allocation Table, FAQs and other guidance documents on our website at <https://bwsr.state.mn.us/watershed-based-implementation-funding-program>.
- More information about the terms “prioritize, target, and measure” can be found at https://bwsr.state.mn.us/sites/default/files/2021-11/WP_1W1P_guidebook.pdf.
- Partnerships should consider the high-level priorities of the Nonpoint Priority Funding Plan (<https://bwsr.state.mn.us/reports>).