

elm creek Watershed Management Commission

ADMINISTRATIVE OFFICE
3235 Fernbrook Lane • Plymouth, MN 55447
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www.elmcreekwatershed.org

May 3, 2023

Representatives

and

Technical Advisory Committee Members
Elm Creek Watershed Management Commission
Hennepin County, Minnesota

*The meeting packet for this meeting may be
found on the Commission's website:
[http://www.elmcreekwatershed.org/minutes-
-meeting-packets.html](http://www.elmcreekwatershed.org/minutes-
-meeting-packets.html)*

Dear Representatives and Members:

A regular meeting of the Elm Creek Watershed Management Commission will be held on **Wednesday, May 10, 2023, at 11:30 a.m.** in the **Aspen** Room at Plymouth Community Center, 14800 34th Avenue North, Plymouth, MN.

The Technical Advisory Committee (TAC) will meet at **10:30 a.m.**, prior to the regular meeting.

Please email me at judie@jass.biz to confirm whether you or your Alternate will be attending the regular meeting.

Thank you.



Judie A. Anderson

Administrator

JAA:tim

Encls: Meeting Packet

cc:	Alternates	Erik Megow	Diane Spector	James Kujawa	Rebecca Carlson
	TAC Members	Karen Galles	Kris Guentzel	Kevin Ellis	Brian Vlach
	City Clerks	DNR	BWSR	Met Council	MPCA
	Official Newspaper				

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AGENDA

Regular Meeting | May 10, 2023

Plymouth Community Center, 14800 34th Avenue North, Plymouth, MN.

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

1. Call Regular Meeting to Order.
 - a. Approve Agenda.*
2. Consent Agenda.
 - a. Minutes last Meeting.*
 - b. Treasurer's Report and Claims.*
3. Open Forum.
4. Action Items.
 - a. Project Reviews.*
5. Old Business.
 - a. Selection of CAMP lake.
6. New Business.
 - a. 2023 CIP.
 - 1) Exhibit A – Rush Creek Stream Restoration – Rush Hollow.*
 - 2) Exhibit A - BMPs in Diamond Creek and Headwaters Rush Creek SWAs.*
 - 3) Initiate Plan Amendment Process.*
 - b. Proposed 2024 Operating Budget.*
 - c. M – Fund Balances.*
 - 1) Reserve/Fund Balance Policy.*
7. Communications.
 - a. Staff Report.*
 - b. Hennepin County Staff Report.*
8. Education.
 - a. WMWA – next meeting June 13, 2023, at 8:30 a.m., via Zoom.
9. Grant Opportunities and Updates.
10. Project Reviews.

Item No.	E	A	Status	AR	Project No.	Project Name
					W=wetland project	
ca.				AR	2014-015	Rogers Drive Extension, Rogers.
cb.				AR	2015-030	Kiddiegarten Child Care Center, Maple Grove.

*in meeting packet

**available at meeting or on website

cc.				AR	2016-005W	Ravinia Wetland Bank Plan, Corcoran.
cd.				AR	2017-014	Laurel Creek, Rogers.
a.					2017-050W	Ernie Mayers Wetland/floodplain violation, Corcoran.
ce.				AR	2018-046	Graco, Rogers.
cf.				AR	2020-009	Stetler Barn, Medina.
cg.				AR	2020-017	Meadow View Townhomes, Medina.
ch.				AR	2020-032	Enclave Rogers - Commerce Boulevard, Rogers.
ci.				AR	2020-033	Weston Woods, Medina.
cj.				AR	2021-020	Crew Carwash, Maple Grove.
b.					2021-025	Hackamore Road Reconstruction, Medina/Corcoran.
c.					2021-029	Tri-Care Grocery / Retail, Maple Grove
d.					2021-034	BAPS Hindu Temple, Medina.
ck.				AR	2021-035	Mister Car Wash - Rogers
cl.				AR	2021-036	D & D Service, Corcoran.
e.					2021-044	Balsam II Apartments, Dayton.
f.					2021-050	Evanswood, Maple Grove.
g.					2021-052	Norbella Senior Living, Rogers.
h.					2022-002	Summerwell, Maple Grove.
i.					2022-003	Fox Briar Ridge East, Maple Grove.
j.					2022-006	Hamel Townhomes, Medina.
k.					2022-008	Bechtold Farm, Corcoran.
l.					2022-009	Dunkirk Lane Development, Plymouth.
m.					2022-011	Arrowhead Drive Turn Lane Expansion, Medina.
n.					2022-012	Graco Building 2, Dayton
o.					2022-013	Dayton 94 Industrial Site, Dayton.
p.					2022-016	Rogers Activity Center, Rogers.
q.					2022-017	City Center Drive, Corcoran.
r.					2022-018	Big Woods, Rogers.
s.					2022-019	Grass Lake Preserve, Dayton.
t.					2022-020	Skye Meadows Extension, Rogers.
u.					2022-022	Cook Lake Highlands, Corcoran.
v.					2022-026	Archway Building, Rogers
w.					2022-028	Elsie Stephens Park, Dayton.
x.					2022-029	Hayden Hills Park, Dayton.
y.					2022-030	Garages Too, Corcoran.
z.					2022-031	Corcoran II Substation.
aa.					2022-033	Pet Suites, Maple Grove.
ab.					2022-035	Rush Hollow, Maple Grove.
ac.					2022-038	Tavera North Side, Corcoran.
ad.					2022-040	Kariniemi Meadows, Corcoran.
ae.					2022-042	Walcott Glen, Corcoran.
af.					2022-043	Meander Park and Boardwalk, Medina.
ag.					2022-044	Trail Haven Road Bridge Replacement, Corcoran.
ah.					2022-045	Corcoran Water Treatment Plant, Corcoran.
ai.					2022-046	CSAH12 Culvert and Guardrail Replacement, Dayton.
aj.					2022-047	Suite Living of Maple Grove.
ak.					2022-048	Hassan Elementary 2023 Pavement Renovation, Rogers.
al.					2022-049	Connexus Energy Subdivision, Dayton.
am.					2023-01	Chankahda Trail Reconstruction Phase 2, Plymouth.
an.					2023-02	Lynde Greenhouse Fire Damage Repair, Maple Grove.
ao.	A	E			2023-03	Cemstone Supply Facility, Dayton.

*in meeting packet

**available at meeting or on website

ap.	A	E			2023-04	Medina Industrial Site, Medina.
aq.	A	E			2023-05	MTL Troy Lane Addition, Dayton.
ar.		E			2023-06	Sota Shine, Maple Grove.
as.					2023-07	Lakeview Knoll's Pickleball Courts, Maple Grove.
at.					2023-08	Rush Creek Boulevard Interchange, Maple Grove.

A = Action item **AA** = Administrative Approval **AR** = awaiting recordation **D** = Project is denied **E** = Enclosure provided

I = Informational update will be provided at meeting **RPFI** = removed pending further information **R** = Will be removed

RP = Information will be provided in revised meeting packet

11. Other Business.

12. Adjournment.

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MINUTES Regular Meeting | April 12, 2023

I. CALL TO ORDER. A meeting of the Elm Creek Watershed Management Commission was called to order at 11:33 a.m., Wednesday, April 12, 2023, in the Plymouth Community Center, 14800 34th Avenue North, Plymouth, MN, by Chair Doug Baines.

Present were: Gerry Butcher, Champlin; Ken Guenther, Corcoran; Doug Baines, Dayton; Joe Trainor, Maple Grove; Terry Sharp, Medina; Catherine Cesnik, Plymouth; and David Katzner, Rogers.

Also present: Kevin Mattson, Corcoran; Derek Asche, Maple Grove; Ben Scharenbroich, Mike Payne, and Jacob Zea, Plymouth; Diane Spector and Erik Megow, Stantec; James Kujawa, Surface Water Solutions; Kris Guentzel and Kevin Ellis, Hennepin County Environment and Energy (HCEE); Brian Vlach, Three Rivers Park District; and Judie Anderson, JASS.

A. Motion by Cesnik, second by Sharp to approve the **agenda.*** *Motion carried unanimously.*

B. Motion by Butcher, second by Cesnik to approve the **Minutes*** of the March 8, 2023, regular meeting. *Motion carried unanimously.*

[Trainor arrived 11:36 a.m.]

C. Motion by Guenther, second by Cesnik to approve the April **Treasurer's Report** and **Claims*** totaling \$36,766.77. *Motion carried unanimously.*

II. OPEN FORUM.

III. ACTION ITEMS.

A. Project Review 2023-01 Chankahda Trail Reconstruction Phase 2, Plymouth.* Hennepin County and the City of Plymouth are proposing to reconstruct approximately four miles of Chankahda Trail over the next few years. Phase 2 of the reconstruction extends from approximately 300 feet east of Peony Lane/Maple Grove Parkway to roughly 100 feet east of Vicksburg Lane. This project triggers Commission Rules D, E, F and H. In their findings dated April 3, 2023, Staff recommends approval of this project with three conditions: (1) final escrow fee reconciliation; (2) receipt of an operation and maintenance plan that is approved by the City of Plymouth; and (3) receipt of an updated compensatory storage plan that is separated from groundwater and hydraulically connected to the floodplain. Scharenbroich noted that the second requirement is moot. Motion by Guenther, second by Cesnik to approve this project with the remaining two conditions. *Motion carried unanimously.*

B. Motion by Guenther, second by Butcher to accept the Commission's **2022 Annual Activity Report** pending final clerical review. *Motion carried unanimously.* The report will be forwarded to the Board of Water and Soil Resources by the April 30, 2023, deadline.

C. Hennepin County 2023 Services Agreement.* The 2023 cooperative agreement between the County and the Commission includes Attachment A* which outlines technical services and Rush Creek and Diamond Creek BMP cost share, including all reimbursable expenses, not to exceed \$317,963.00. Motion

RULE D - STORMWATER MANAGEMENT
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RULE F - FLOODPLAIN ALTERATION

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

*indicates enclosure

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

by Trainor, second by Butcher to approve and authorize the Chair to sign the agreement. *Motion carried unanimously.*

D. 10-Year Watershed-wide TMDL Review.* The Commission and Technical Advisory Committee (TAC) are interested in reviewing progress toward achieving the goals of the Elm Creek Watershed TMDL (Total Maximum Daily Load) study. At the last March meeting members reviewed the TMDL findings and a framework for potential approaches to such a review. They also requested more information about monitoring data in the watershed, which is outlined in Staff's April 4, 2023, memo. The goal of this discussion is to obtain input and guidance from the TAC and Commissioners on how to proceed.

The Elm Creek Watershed TMDL process was completed in phases over several years, starting with additional monitoring and data gathering in 2009-2010, analysis and development of the TMDL in 2012-2014, and final completion of the TMDL document and accompanying Watershed Restoration and Protection Strategies (WRAPS) document in 2015. The final reports were approved by the MPCA and EPA in 2016.

The Elm Creek TMDL study addresses (1) seven lake *nutrient* impairments; (2) four stream *E. coli* impairments; (3) three stream *DO* impairments; and (4) four stream fish and macroinvertebrate impairments, with primary stressors *total phosphorus (TP)* and *total suspended solids (TSS)*.

Since completion of the TMDL, additional impairments have been designated or are pending in the watershed.

1. Elm Creek and the lower reach of South Fork Rush Creek are impaired for excess *chloride*.
2. The MPCA is processing two new impairments: *TSS* in Elm Creek and *fish biotic integrity (F-IBI)* in Fish Lake.
3. The nutrient impairment for Fish Lake is proposed for "delisting" as the lake now meets state standards.

The MPCA does not have a formal process or guidance for undertaking reviews of progress toward meeting TMDLs. Entities such as cities and counties that are MS4s are required to annually report certain TMDL implementation activities that they undertake in the watershed, but that is not a comprehensive assessment and does not include actions taken within the waterbodies such as stream restorations, lake alum treatments, or rough fish management.

When Staff have undertaken other TMDL reviews of progress, they have considered the following analytical steps:

1. Update watershed runoff and pollutant loading and lake response modeling to reflect most current land use information and monitoring data.
2. Collect new monitoring and other data to fill data gaps.
3. Collect data on BMPs undertaken since the TMDL baseline year(s) to estimate progress toward meeting the identified pollutant load reductions and non-numeric requirements.
4. Evaluate monitoring data to determine water quality trends and progress toward meeting the standards.
5. Review implementation strategies and recommend any course corrections for the coming period.

Modeling. Updating the various models used to quantify pollutant loading can range from simple to very detailed. Generally, this step is considered only when there has been significant land use change

or where new data is available, for example, updating a lake response model to use measured sediment phosphorus release rates rather than literature values. While there has been development in the watershed, Staff don't think it is significant enough to warrant the expense and effort to update the watershed pollutant loading models. **Recommendation:** Do not include updated modeling in the Progress Review.

Lakes. The Commission has been annually monitoring four sentinel lakes – Fish, Weaver, Diamond, and Rice – and occasionally monitoring other lakes on a rotating basis. While the sentinel lakes have a good set of data available, it would be helpful to obtain more data on Henry, Jubert, Dubay, Laura, and French, where there is very little data. The cost of monitoring those lakes for two consecutive years would be about \$8,000 per year. The annual budget includes monitoring the sentinel lakes and two additional lakes, which in 2023 will likely be Sylvan and either Henry or Cowley. It has been the Commission's practice to obtain at least two years' worth of data in the event the first year is non-representative of conditions, so those lakes would likely be repeated in 2024.

Streams. In addition to the partnership with the USGS to monitor flow and water quality on Elm Creek in the regional park, the Commission currently routinely monitors flow and water quality at three sites in the watershed: Elm Creek at its crossing of the Medicine Lake Regional Trail in Maple Grove; Rush Creek at Territorial Road; and Diamond Creek. Some additional data is available at other sites in the watershed, most of it collected during the development of the TMDL. There is also a good data set at Highway 55 and CR 101 in Plymouth. It may be helpful to collect additional data to help with the trend analysis. The Commission currently budgets \$10,020 annually for stream monitoring; adding another site would be an estimated \$3,500 annually. **Recommendation:** Monitor up to five additional lakes and one additional stream site in 2024-2025. The estimated cost to do both would be about \$11,500 per year, or \$23,000 total.

Biological. The Commission has completed a minimal amount of biological (fish and macroinvertebrates) monitoring in the streams. There is 2010 and 2020 data at a few sites on each stream completed by the MPCA and/or the DNR, and the 2023 budget includes funding to undertake sampling at a few sites. It is Staff's recommendation that the Commission focus this review on quantifying chemical parameters and in the review develop a plan for more systematically undertaking biological monitoring for evaluation during the next progress review.

BMP Data Collection. This task is compiling information about the BMPs undertaken in the watershed and estimating the pollutant load reductions achieved by each. Cities have been collecting and reporting watershed load reductions, including any structural BMPs or nonstructural such as enhanced street sweeping. In addition, load reduction data is estimated for development and redevelopment activity that requires a Commission project review. This data could be collected, assembled, and geolocated to document and summarize load reductions by receiving water. For example, the TMDL established TP load reductions for the entire length of Elm Creek; the individual cities through which Elm Creek flows are reporting data just for what occurs in their cities.

There are also other types of actions that the cities are not required to report in their NPDES permit annual reports. These may include lake internal load reductions from an alum treatment, or habitat improvements achieved through stream restoration. These should also be documented as progress toward achieving the goals established in the TMDL.

The compiled BMP data would be helpful in identifying the need for additional stream monitoring. There has been quite a bit of development in the watershed since the TMDL monitoring was completed. If the BMP compilation suggests there has been a significant load reduction from that land use conversion, it may be interesting to see if that is reflected in the in-stream data.

Depending on how much data is available, how it is organized, and the number of BMPs for which removals would need to be calculated, this could be a simple GIS exercise, or it may be more extensive. Staff estimate the level of effort to be in the \$5,000-8,000 range. **Recommendation:** Include the BMP collection and load reduction compilation by drainage area task in Phase 1 of the Progress Review.

Evaluate Monitoring Data. Three Rivers Park District has been collecting and maintaining data for many years, and the annual report includes figures and tables showing water quality by year. It may be interesting to run some trend analysis statistics where there is a good data set to determine if there are any statistically significant trends. This might be a \$2,000-3,000 effort. **Recommendation:** Include this task in Phase 1 of the Progress Review.

Review Implementation Strategies and Report. This task includes compiling the information developed in the previous tasks to provide an overall summary of actions taken and progress made to date. The WRAPS report, which is the “implementation plan” of the TMDL, identified a universe of potential actions the various stakeholders could take to make progress toward the TMDL. This task would identify what has been successful and what not so successful and develop a prioritized action plan for the next several years. This, then, could be rolled into the Commission’s Fourth Generation Watershed Management Plan that will be underway at about the same time. This progress review would become an appendix to the Watershed Plan and likely be an \$8,000-10,000 effort. **Recommendation:** Summarize the results in a report that includes an assessment of progress and evaluation of the implementation strategies set forth in the WRAPS. Include this task in Phase 1 of the Progress Review.

Summary and Recommendations. It is likely that this TMDL 10-year Progress Review would be about a \$40,000 effort, depending on how much additional monitoring is desired. Staff recommend that the Commission consider proceeding in two phases:

1. **Phase 1:** Collect and map BMPs completed to date to estimate progress toward achieving both the watershed and internal load reductions identified in the TMDL. Perform trend analysis on lake and stream data. Use the results of both these tasks to refine a monitoring program for 2024-2025. Summarize the results in a report that can be used to inform the Fourth Generation Plan. This phase would be about \$16,000-20,000.

2. **Phase 2:** Collect additional lake and stream data in 2024 and 2025. Update the monitoring data trend analysis in 2026 and adjust the implementation plan as desired. This phase would be about \$18,000-20,000.

Discussion. Staff were requested to include a story map with this project. It was also noted that MPCA is becoming more interested in researching biotic impairments. Staff were also requested to provide more definitive costs for the 2024-2025 budget process. Motion by Guenthner, second by Cesnik to proceed with the 10-year Progress Review. *Motion carried unanimously.*

WBIF-Funded Feasibility Assessments.* The BWSR Watershed-Based Funding grant awarded to the Elm Creek basin includes \$92,774 allocated to the Commission to help complete high-priority feasibility and subwatershed assessments. The Commission has identified three potential studies: (1) South Fork Rush Creek Subwatershed Assessment (SWA) primarily in Corcoran but also covering portions of Medina and Maple Grove; (2) North Fork Rush Creek stream re-meandering in Rogers; and (3) Diamond Lake outlet channel re-meandering in Dayton. Detailed proposed scopes of work for the first two studies are included in Staff’s memo dated March 30, 2023, as Attachments One and Two.

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Based on a review of the work done to assess options for the Diamond Lake outlet channel as part of the Diamond Creek SWA, at this time Staff do not recommend that the Commission proceed with any additional work to flesh out a potential project. The SWA included a generalized design and cost estimate (Attachment Three of the memo) that is a reasonable assumption in the absence of a redevelopment proposal.

The \$92,774 grant requires a minimum 10% match from local sources. The approved work plan specifies a minimum of \$10,000. Table 1 shows the total estimated cost of the two studies, which is \$1,127 more than the funds available from the grant and the required minimum \$10,000 match.

Table 1. Scope of work estimated cost and funding sources.

Study	Cost/ Funding	Notes
<i>COST</i>		
S Fork SWA	\$66,351	(includes optional Open House)
N Fork Remeander	\$37,550	
TOTAL	\$103,901	
<i>FUNDING</i>		
Grant Funds	\$92,774	
Match	\$10,000	Minimum required
TOTAL	\$102,774	
No source identified	\$1,127	Additional match to fully fund

The Commission has a policy requiring affected cities to share 25% in the cost of SWAs, which is detailed in Table 2. The City of Corcoran has confirmed that they are aware of and have budgeted for their share of the SWA. The 2/3 - 1/3 split between the cities was suggested by Corcoran.

Table 2. S Fork Rush Creek SWA financing.

Project cost	\$66,351		
Grant	\$59,716		
Match	\$6,635		
ECWMC contribution		\$4,976	75% of total match
LGU contribution		\$1,659	25% of total match
Corcoran		\$1,111	2/3 of LGU match
Medina/MG		\$548	1/3 of LGU match

The Commission does not have a policy regarding the local match for feasibility studies such as the North Fork Rush Creek Remeandering.

Table 3. N Fork Rush Creek Remeander financing.

Project cost	\$37,550	
Grant	\$33,058	(\$92,774 total grant - \$59,716 allocated to SWA)
Match	\$4,492	

Recommendation. It is Staff's recommendation that the Commission proceed with both the subwatershed assessment and the stream remeandering feasibility study. As of the 2021 Audit, there was a balance of \$181,817 available in the account Fund Balance Assigned for Studies and Projects. Table 4 details the recommended financing of the two studies.

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Table 4. Total cost and recommended financing for 2023 WBIF-funded special studies.

Study	Cost/ Funding	Source
<i>South Fork Rush Creek SWA</i>		
Total cost	\$66,351	
Grant	\$59,716	WBIF Grant
Match	\$6,635	
Commission	\$4,976	Assigned funds for projects and studies
Cities	\$1,659	Cities
TOTAL	\$103,901	
<i>North Fork Rush Creek Remeander</i>		
Total Cost	\$37,550	
Grant	\$33,058	WBIF Grant
Match	\$4,492	Assigned funds for projects and studies

Motion by Guenthner, second by Katzner to approve and proceed with the two projects, the South Fork Rush Creek SWA, and the North Fork Rush Creek remeander, as shown in Table 4. *Motion carried unanimously.*

F. Motion by Trainor, second by Butcher to approve the **Cooperative Agreement*** between the Commission and Three Rivers Park District to undertake the **CSAH12/Dayton River Road Ravine Stabilization project**. *Motion carried unanimously.* This project is listed as a project on the Commission's 2023 CIP with a total revised cost of \$1,329,408; the Commission's cost-share is \$110,000. The Park District and Hennepin County are among the other cost-share partners.*

IV. OLD BUSINESS.

V. NEW BUSINESS.

A. Staff's April 4, 2023, memo includes the Commission's **preliminary CIP*** reflecting comments received to date. The Commission requests that cities submit proposed revisions to the CIP by April 28, 2023, so any required minor plan amendments may be initiated at the May meeting.

There is one proposed revision that can be completed without a plan amendment. The CSAH 12/Dayton River Road Ravine Stabilization project (Item III.F., above) cost estimate was updated based on final design, and the City of Dayton requests that the Commission's share be increased from \$95,500 to \$110,000. The Third Generation Plan provides that no plan amendment is necessary to either reschedule projects from year to year or if the cost estimate increases by less than 125%.

Members are reminded that smaller projects, where the Commission's share is \$50,000 or less, should be directed to the Cost Share program rather than the CIP.

Currently, prior to the revision noted above, the CIP shows total project costs/Commission shares as follows:

2023 (pay 2024)	\$4,378,000	\$775,750
2024 (pay 2025)	\$7,421,250	\$867,813
Future	\$3,250,000	\$525,000

B. Based on discussion above, Item III.D., it is the intent of Staff to identify a volunteer to monitor Henry, Jubert, Dubai, Laura, or French Lake through **Metropolitan Council's CAMP program** (Citizen Assisted

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Monitoring Program). Guenther volunteered to seek out a volunteer to monitor Lake Jubert. This action was approved by consensus.

VI. Communications. The following communications were received in March:

A. Staff Report.* Staff reports provide updates on the development projects currently under review by Staff. The projects listed in the table beginning on page 8 of these minutes are discussed in the April 4, 2023, report.

B. Hennepin County Staff Report.*

1. The report referenced the annual **cooperative agreement** between the County and the Commission. The agreement was approved earlier in this meeting (Item III.C.).

2. The report also included a map showing the **location of County projects** in the Elm Creek watershed.

3. Diamond Hills Stables has been approved for EQIP funding, through NRCS, to cover some installation costs for fencing, waterers, and shelters for rotational grazing which are expected to reduce erosion and nutrient runoff. It's anticipated EQIP funding won't fully fund installation costs, so County staff are considering utilizing cost-share funds to help complete these projects, and to possibly add on others such as diversion drainage around key feedlots. Hennepin County would like the opinion of the Commission of potentially utilizing CIP and WBIF funds in addition to County cost-share dollars to cover the remaining balance for implementation. It was the consensus that this and similar projects could be likened to the 2020 CIP, Agricultural BMP Cost Share. The County will submit an Exhibit A for this project.

4. The County will hold an **Open House** on April 13, 2023, at the Hamel Community Building to inform landowners of the rural conservation and related financial and technical services available.

5. The County is selling trees for restoring and improving woodland areas and increasing wildlife habitat. Deadline to order is April 20.

6. Conservation staff at Hennepin County are seeking input for a **proposal to preserve agricultural land**. Currently, there aren't good options for farmers or farmland owners wishing to avoid development in Hennepin County. Conservation staff are seeking feedback on the best ways to fill this gap. Farmers and landowners in Hennepin County enrolled in Green Acres, Agricultural Preserve, or those with an interest and involvement in agriculture are being asked to take a survey to inform the proposal, hennepin.us/ag-preservation-survey. A printed survey with a return envelope is available from Kevin Ellis, kevin.ellis@hennepin.us, 612-382-3956.

C. Conservation Project Tracking.* A second memo from the County provides a summary of project progress, cost, and benefit for projects anticipated to be installed in 2023. Funding options and current status of projects are recited. Table 1 of the memo outlines project installation costs encumbered and still available. Projects listed in Table 2 are all those the County is actively developing which, based on landowner willingness and project development progress, are likely to be implemented in 2023. As staff continue to engage landowners and develop projects, more are anticipated to be added to Table 2, or may be removed should they become infeasible. Project work is currently focused on the priority subwatersheds of the Rush Creek Headwaters and Diamond Creek, which each have completed subwatershed assessments and state and local funding to support project installations. Eight projects in the Rush Creek headwaters and two projects in the Diamond Creek subwatershed are described in more detail in the report. Staff anticipate this information will be included in future monthly staff reports.

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D. **Mississippi River–Twin Cities Watershed assessment and trends update,*** Minnesota Pollution Control Agency (MPCA).

E. Copy of Commission Letter of support* for the **City of Champlin Brown Property Acquisition**.

F. Copy of Commission Letter of support* for placing the **constitutional rededication of lottery proceeds** to the Environment and Natural Resources Trust Fund on the ballot in 2024.

G. Invitation* to the **State of the (Three Rivers) Parks**, April 19, 2023.

H. **2022 Lake Water Quality Summary,*** Metropolitan Council.

VII. Education and Public Outreach.

A. The **Conservation Education and Implementation Partnership Program** will be coordinated by a new limited-duration education and outreach coordinator shared with Hennepin County, WMWA, and the Richfield-Bloomington WMO. Watershed-Based Implementation Funding (WBIF) to help fund the program has been approved by the Board of Water and Soil Resources (BWSR). The Hennepin County Board approved the new position and County Staff are in the process of working through the hiring process. Over 100 applicants expressed interest in the position. The coordinator is proposed to be in place by Earth Day.


B. The **West Metro Water Alliance (WMWA)** will meet via Zoom at 8:30 a.m., May 9, 2023.

VIII. Grant Opportunities and Project Updates.

IX. Other Business.

X. **Adjournment.** There being no further business, the meeting was adjourned at 1:03 p.m.

Respectfully submitted,



Judie A. Anderson
Recording Secretary

JAA:tim

Z:\Elm Creek\Meetings\Meetings 2023\April 12 2023 Regular meeting minutes.docx

Project No.	Project Name
W=wetland	
2014-015	Rogers Drive Extension, Rogers.
2015-030	Kiddiegarten Child Care Center, Maple Grove.
2016-005W	Ravinia Wetland Bank Plan, Corcoran.
2017-014	Laurel Creek, Rogers.
2017-050W	Ernie Mayers Wetland/floodplain violation, Corcoran.
2018-046	Graco, Rogers.
2019-021	Brenly Meadows, Rogers.
2019-026	Interstate Power Systems, Rogers.
2020-009	Stetler Barn, Medina.
2020-017	Meadow View Townhomes, Medina.
2020-032	Enclave Rogers - Commerce Boulevard, Rogers.
2020-033	Weston Woods, Medina.
2020-036	Balsam Pointe, Dayton.

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

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

*indicates enclosure

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

elm creek Watershed Management Commission

Regular Meeting Minutes | April 12, 2023

Page 9

2021-007	Birchwood 2nd Addition, Rogers
2021-016	Territorial Lofts, Rogers.
2021-020	Crew Carwash, Maple Grove.
2021-021	Territorial Triangle, Dayton.
2021-023	Maple Grove Medial Office Building (MOB).
2021-024	Riverwalk, Dayton
2021-025	Hackamore Road Reconstruction, Medina/Corcoran.
2021-027	Xcel Energy Elm Creek Substation, Maple Grove
2021-029	Tri-Care Grocery / Retail, Maple Grove
2021-031	Cook Lake Edgewater, Maple Grove
2021-034	BAPS Hindu Temple, Medina.
2021-035	Mister Car Wash - Rogers
2021-036	D & D Service, Corcoran.
2021-037	Marsh Pointe, Medina.
2021-039	1-94 Logistics Center, Rogers.
2021-040	Napa Auto, Corcoran.
2021-041	Carlson Ridge, Plymouth.
2021-043	Northwood Community Church Maple Grove.
2021-044	Balsam II Apartments, Dayton.
2021-047	CR 10 Box Culvert Replacement, Corcoran
2021-050	Evanswood, Maple Grove.
2021-051	Fields of Nanterre Drainage Improvements, Plymouth.
2021-052	Norbella Senior Living, Rogers.
2021-053	Towns at Fox Creek, Rogers.
2021-055	Morningside Estates 6th Addition, Champlin.
2022-002	Summerwell, Maple Grove.
2022-003	Fox Briar Ridge East, Maple Grove.
2022-006	Hamel Townhomes, Medina.
2022-008	Bechtold Farm, Corcoran.
2022-009	Dunkirk Lane Development, Plymouth.
2022-011	Arrowhead Drive turn Lane expansion,
2022-012	Graco Building 2, Dayton.
2022-013	Dayton 94 Industrial Site, Dayton.
2022-014	Aster Mill, Rogers.
2022-015	County Road 47 Phase I Reconstruction, Plymouth.
2022-016	Rogers Activity Center, Rogers.
2022-017	City Center Drive, Corcoran.
2022-018	Big Woods, Rogers.
2022-019	Grass Lake Preserve, Dayton.
2022-020	Skye Meadows Extension, Rogers.
2022-022	Cook Lake Highlands, Corcoran.
2022-023	Asguard, Rogers.
2022-024	Bridge No. 27J70, Maple Grove.
2022-025	Harvest View, Rogers.
2022-026	Archway Building, Rogers
2022-027	Edison at Maple Grove Apartments.
2022-028	Elsie Stephens Park, Dayton.

RULE D - STORMWATER MANAGEMENT
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CHAMPLIN - CORCORAN - DAYTON - MAPLE GROVE - MEDINA - PLYMOUTH - ROGERS

elm creek Watershed Management Commission

Regular Meeting Minutes | April 12, 2023

Page 10

2022-029	Hayden Hills Park, Dayton.
2022-030	Garages Too, Corcoran.
2022-031	Corcoran II Substation.
2022-033	Pet Suites, Maple Grove.
2022-034	CSAH 101 Improvements, Maple Grove.
2022-035	Rush Hollow, Maple Grove.
2022-036	West French Lake Road Improvements, Maple Grove.
2022-037	CSAH13 CR203 Culvert Replacement, Dayton.
2022-038	Tavera North Side, Corcoran.
2022-039	Garland Commons, Maple Grove.
2022-040	Karinieimi Meadows, Corcoran.
2022-041	Elm Creek Swim Pond Culvert, Maple Grove.
2022-042	Walcott Glen, Corcoran.
2022-043	Meander Park and Boardwalk, Medina.
2022-044	Trail Haven Road Bridge Replacement, Corcoran.
2022-045	Corcoran Water Treatment Plant.
2022-046	CSAH12 Culvert and Guardrail Replacement, Dayton.
2022-047	Suite Living of Maple Grove.
2022-048	Hassan Elementary Pavement Renovation, Rogers.
2022-049	Connexus Energy South Dayton Substation.
2023-001	Chankahda Trail Reconstruction Phase 2, Plymouth.
2023-002	Lynde Greenhouse Fire Damage Repair, Maple Grove.

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

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

*indicates enclosure

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

Elm Creek Watershed Management Commission Treasurer's Report

		2023 Budget	April 2023	May 2023	2023 Budget YTD
EXPENSES					
Administrative		100,000	11,914.65	10,535.97	45,531.12
Grant Writing		0			0.00
Website		2,000	99.92	18.75	571.54
Legal		2,000	124.00	170.50	465.00
Audit		6,500			0.00
Insurance		4,000			3,784.00
Miscellaneous/Contingency		0			0.00
Technical Support - HCEE		20,000			0.00
HUC-8 Floodplain Mapping		0			0.00
Technical - Project Review		184,000	5,201.00	12,078.75	27,788.75
Technical - Other		70,000	9,147.00	12,307.00	30,781.25
Project Review - Admin Support		16,000	961.98	546.82	4,406.08
Stream Monitoring USGS		24,000		5,775.00	20,850.00
Stream Monitoring TRPD		10,020			0.00
Biological Monitoring		4,500			0.00
DO Longitudinal Survey		2,400			0.00
Partnership Biomonitoring Project (Comm shar		2,000			0.00
Rain Gauge		440	28.49	32.17	118.64
Lakes Monitoring - CAMP		840			0.00
TRPD Monitoring - Sentinel Lakes/Addn'l Lake		10,412			0.00
Aquatic Vegetation Surveys		1,365			0.00
Wetland Monitoring (WHEP)		0			0.00
Education		2,000		40.00	841.62
WMWA General Activities		5,000	3,000.00		3,000.00
WMWA Implementation/Watershed Prep		4,500	2,000.00		2,000.00
Rain Garden Wkshops/Intensive BMPs/Special Proj		2,000	4,000.00		4,000.00
Macroinvertebrate Monitoring-River Watch		0			0.00
Studies / Project ID / SWA		0			14,750.00
CIPs General		3,000	289.73	329.07	618.80
Rush Creek SWA Implementation		106,050			0.00
Plan Amendment		2,000			0.00
Contribution to 4th Gen Plan		12,500			0.00
Transfer to (from) Capital Projects (see CIP Tr		291,638		55,987.75	55,987.75
Transfer to (from) Cash Sureties (see below)			-	-	0.00
Transfer to (from) Grants (see below)		125,000	-	-	19,971.75
To Fund Balance					0.00
TOTAL - Month			36,766.77	97,821.78	232,465.55
TOTAL Paid in 2023, incl late 2022 Expenses		1,014,165.00	165,320.78	263,142.56	2023 Paid

Elm Creek Watershed Management Commission Treasurer's Report

		2023 Budget	April 2023	May 2023	2023 Budget YTD
INCOME					
Project Review Fee		184,000	6,600.00		23,650.00
Nonrefundable Admin		16,000	600.00		2,150.00
Nonrefundable Technical		17,000	900.00		3,225.00
Water Monitoring - TRPD Co-op Agmt		6,500			0.00
Member Dues		250,000			250,000.00
Interest/Dividends Earned		750	6,760.11		24,150.41
Transfer to (from) Capital Projects (see CIP Tr		291,638			0.00
Transfer to (from) Grants (see below)		125,000	-	-	133,887.00
Rush Creek SWA Implementation		79,537			
Transfer from Assigned Fund Balance		26,513			
Misc Income / Contingency		0			
From Unrestricted Cash Reserves		17,227			
Total - Month			14,860.11	0.00	437,062.41
TOTAL Rec'd 2023, incl late 2022 Income		1,014,165.00	457,090.56	457,090.56	2023 Received
CASH SUMMARY		Balance Fwd			
Checking		0.00			
4M Fund		1,399,787.64	1,691,557.42	1,593,735.64	
Cash on Hand			1,691,557.42	1,593,735.64	
Claims Presented		General Ledger Account No	April	May	TOTAL
Campbell Knutson - Legal		521000		170.50	170.50
Connexus - Rain Gauge		551100		32.17	32.17
City of Maple Grove - Everest Lane Strm Stabi		563025		55,987.75	55,987.75
U S Geological Survey - Stream Monitoring		551000		5,775.00	5,775.00
Resilience Resources					2,260.25
Project Review Technical		578050		1,914.00	
Other Technical		578050		346.25	
Surface Water Solutions					2,357.50
Technical - Project Review		578050		2,076.25	
Technical - Other		578050		281.25	
Stantec					19,768.00
Technical - Project Review		578050		8,088.50	
Technical - Other		578050		11,679.50	
JASS					11,470.61
Administration		511000		10,180.25	
TAC Support		511000		150.50	
Annual Reporting/Work Plan		511000		205.22	
Website		581000		18.75	
Project Review Admin Support		578100		516.82	
Project Reviews - Project Specific Admin		578100		30.00	
Education		590000		40.00	
CIPs General		563001		329.07	
Cost Share Admin		511000			
Elm Creek TMDL Review		580800			
TOTAL CLAIMS					97,821.78



12800 Arbor Lakes Parkway, Maple Grove, MN 55369-7064

763-494-6000

October 21, 2022

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

SUBJECT: EVEREST LANE STREAM STABILIZATION REIMBURSEMENT
CITY OF MAPLE GROVE, PROJECT NO. 20-08

Dear Judie,

Enclosed are invoices from WSB & Associates and Sunram Construction, Inc. for the Everest Lane Stream Stabilization Project totaling \$257,481.05. The City of Maple Grove is requesting reimbursement of \$125,000.00 less Commission expenses per the terms of the Cooperative Agreement for the Everest Lane Stream Stabilization Project.

Please let me know if you have any questions. Thank you for funding this important project.

Sincerely,

Derek Asche
Water Resources Engineer
City of Maple Grove

enc

REIMBURSEMENT REQUESTED	\$ 125,000.00
Commission Expenses	(186.06)
Payment to City 11/9/2022	(68,826.19)
Balance	55,987.75
FINAL PAYMENT TO CITY 5/2023	\$ 55,987.75

CAMPBELL KNUTSON
Professional Association
Attorneys at Law
Federal Tax I.D. #41-1562130
Grand Oak Office Center I
860 Blue Gentian Rd Ste 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
March 31, 2023
Account # 1448G

SUMMARY STATEMENT

PREVIOUS BALANCE	FEES	EXPENSES	CREDITS	PAYMENTS	BALANCE
1448-0000 RE: GENERAL MATTERS					
SERVICES RENDERED TO DATE:					
294.50	170.50	0.00	0.00	-170.50	<u>\$294.50</u>
			4/13	-124.00	<u><u>\$170.50</u></u>

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
Federal Tax I.D. #41-1562130
Grand Oak Office Center I
860 Blue Gentian Rd Ste 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
March 31, 2023
Account # 1448-0000G
245

RE: GENERAL MATTERS
SERVICES RENDERED TO DATE:

			HOURS	
03/03/2023	JJJ	Emails from and to Judie re: draft agreement.	0.20	31.00
03/07/2023	JJJ	Emails Judie re: draft agreement with park district; review and advise.	0.30	46.50
03/28/2023	JJJ	Emails from and to Judie re: wetland banking; ownership and management.	0.30	46.50
03/29/2023	JJJ	Emails Judie re: agreement; need to revise questions; advise.	0.30	46.50
		AMOUNT DUE	1.10	170.50
		TOTAL CURRENT WORK		170.50
		PREVIOUS BALANCE		\$294.50
03/14/2023		Payment - thank you		-170.50
		TOTAL AMOUNT DUE		<u>\$294.50</u>

paid 4/13/23 - 124.00
TOTAL DUE \$ 170.50

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.



Monthly Statement

Service Address
ELM CREEK RD
DAYTON MN

Billing Summary

Billing Date: Apr 17, 2023

Previous Balance	\$28.49
Payments - Thank You!	\$28.49
Balance Forward	\$0.00
New Charges	\$32.17

Total Amount Due **\$32.17**

Payment must be received on or before May 13, 2023

Account Number:
481113-238425

ELM CREEK WATERSHED MGMT ORG

Total Amount Due

\$32.17

Due Date

May 13, 2023

Message Center

Rebates

Looking for ways to control your costs and be more efficient? Adding high-efficiency improvements and technology can result in overall better business practices that can reduce expenses while growing your business. Connexus offers many rebates on items you may already be thinking about. Check them out online at connexusenergy.com.

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-000135/000292 VG2CT9 S1-ET-M1-C00001 1



Account Number:

481113-238425

Total Amount Due

\$32.17

Payment Due By

May 13, 2023

000135 1 MB 0.528 000135/000135/000292 002 02 VG2CT9
ELM CREEK WATERSHED MGMT ORG
3235 FERNBROOK LN N
PLYMOUTH MN 55447-5325



Connexus Energy

PO Box 1808
Minneapolis, MN 55480-1808

00003217 00048111300238425 000000 00000 000000000000 0000006

UNITED STATES DEPARTMENT OF THE INTERIOR
DOWN PAYMENT (BILL) REQUEST

Make Remittance Payable To: U.S. Geological Survey
Billing Contact: Angie Hughes, amhughes@usgs.gov

Phone: 651-280-5735

Bill #: 91062036
Customer: 6000001534
Date: 04/12/2023
Due Date: 06/11/2023

Remit Payment To: United States Geological Survey
P.O. Box 6200-27
Portland, OR 97228-6200

Payer: Elm Creek Conservation Mgmt. & PC
Judie Anderson
3235 Fernbrook Lane
Plymouth MN 55447

Additional forms of payment may be accepted. Please
email GS-A-HQ_RMS@USGS.GOV or call
703-648-7683 for additional information.

To pay through Pay.gov go to <https://www.pay.gov>.

Checks must be made payable to
U.S. Geological Survey. Please detach the top portion
or include bill number on all remittances.

Amount of Payment: \$ _____

Date	Description	Qty	Unit Price		Amount
			Cost	Per	
04/12/2023	Billing for the operation and maintenance of a gaging station and water-quality sampling on Elm Creek near Champlin. 22NKJFA203	1	5,775.00	1	5,775.00
Amount Due this Bill:					5,775.00

Accounting Classification:
Sales Order: 108047
Sales Office: GENK
Customer: 6000001534
Accounting #: 11334095

TIN: *****6985

Resilience Resources, LLC
3235 Fernbrook Lane N
Minneapolis, MN 55447



Invoice Date: April 28, 2023
RR Invoice #: 0009-2023-01

Client Project Reference: Elm Creek Water Management Commission

Client: Elm Creek Water Management Commission

TASK: Connexus Energy Substation (2022-049)

Date	Qty	Unit	Staff	Rate	Project	Project Ref	Description	Amount
12/21/2022	2	hrs	RC	\$165	ECWMC	2022-049	Correspondence w/ applicant, Review	\$330.00
12/24/2022	4.6	hrs	RC	\$165	ECWMC	2022-049	Review, correspondence	\$759.00
12/29/2022	4	hrs	RC	\$165	ECWMC	2022-049	Correspondence with City, review	\$660.00
1/3/2023	0.5	hrs	RC	\$165	ECWMC	2022-049	Finalize writeup	\$82.50
2/10/2023	0.5	hrs	RC	\$165	ECWMC	2022-049	Check in with engineer on conditions of permit	\$82.50
Task Total								\$1,914.00

TASK: Meeting Attendance

Date	Qty	Unit	Staff	Rate	Client	Project Name	Description	Amount
1/11/2022	2	hrs	RC	\$165	ECWMC		Meeting Attendance	\$330.00
1/11/2022	26	mi	RC	\$0.625	ECWMC		Meeting Attendance	\$16.25
Task Total								\$346.25
Invoice Total								\$2,260.25

INVOICE

Surface Water Solutions LLC
6533 Neddersen Circle
Brooklyn Park, MN 55445-3206
952-456-4091
surfacewatersolutions@outlook.com

Stantec Project #

Invoice Date: April 28, 2023

Invoice Number: 2023-04

Type	Date	Hours	Job	Task	Memo	Amount	Paid	Column1
ECWMC	4/3/2023	2.00	Project Reviews	2023-005	project review	250.00		
ECWMC	4/4/2023	0.75	Technical Services	Meetings	April meeting staff report	93.75		
ECWMC	4/4/2023	0.25	Project Reviews	2017-050	email/follow up call from Corcoran on project status	31.25		
ECWMC	4/4/2023	0.25	Project Reviews	2023-003	15.99 extension	31.25		
ECWMC	4/5/2023	2.00	Project Reviews	2023-005	findings/review/email/phone calls/follow-up	250.00		
ECWMC	4/6/2023	2.25	Project Reviews	2023-005	review/findings	281.25		
ECWMC	4/7/2023	1.80	Project Reviews	2023-005	review/findings	225.00		
ECWMC	4/8/2023	3.85	Project Reviews	2023-005	review/findings/email	456.25		
ECWMC	4/10/2023	0.16	Project Reviews	2022-046	emails/approval requirements/NOD	20.00		
ECWMC	4/12/2023	1.00	Technical Services	Meetings	ECWMC meeting	125.00		
ECWMC	4/16/2023	2.25	Project Reviews	2023-003	revision review /finding & recomm. updates/email	281.25		
ECWMC	4/20/2023	2.00	Project Reviews	2023-005	revision review /finding & recomm. updates/email	250.00		
ECWMC	4/27/2023	0.50	Technical Services	Pre-Project Review	locate and transfer 2019-025 files to WSB	62.50		
ECWMC						0.00		
Total						2,357.50		

Project Review 2,076.25
Other Technical 281.25



INVOICE

Page 2 of 3

Invoice Number	2075356
Invoice Date	May 2, 2023
Purchase Order	—
Customer Number	167501
Project Number	227705635

Low Task Subtotal	Other Services	9,730.00
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Top Task Subtotal	General Services	11,679.50
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Top Task	200	2023 Project Reviews
Low Task	200.2023.001	Chankahda Trail Reconstruction Phase 2

Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Krautmann, Kurt Thompson	2.00	127.00	254.00
	Megow, Erik Robert	6.00	172.00	1,032.00
	Subtotal Professional Services	<u>8.00</u>		<u>1,286.00</u>

Low Task Subtotal	Chankahda Trail Reconstruction Phase 2	1,286.00
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Low Task	200.2023.003	Cemstone Supply Facility - Dayton
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Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Megow, Erik Robert	1.25	172.00	215.00
	Subtotal Professional Services	<u>1.25</u>		<u>215.00</u>

Low Task Subtotal	Cemstone Supply Facility - Dayton	215.00
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Low Task	200.2023.004	Medina Industrial - Medina
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Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Krautmann, Kurt Thompson	6.50	127.00	825.50
	Megow, Erik Robert	8.50	172.00	1,462.00
	Subtotal Professional Services	<u>15.00</u>		<u>2,287.50</u>

Low Task Subtotal	Medina Industrial - Medina	2,287.50
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Low Task	200.2023.005	MTL Troy Lane Addition - Dayton
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Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Megow, Erik Robert	1.75	172.00	301.00
	Subtotal Professional Services	<u>1.75</u>		<u>301.00</u>

Low Task Subtotal	MTL Troy Lane Addition - Dayton	301.00
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INVOICE

Page 3 of 3

Invoice Number	2075356
Invoice Date	May 2, 2023
Purchase Order	—
Customer Number	167501
Project Number	227705635

Low Task 200.2023.006 Sota Shine - Maple Grove

Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Megow, Erik Robert	3.75	172.00	645.00
Subtotal Professional Services		<u>3.75</u>		<u>645.00</u>

Low Task Subtotal **Sota Shine - Maple Grove** 645.00

Low Task 200.2023.007 Lakeview Knolls Site Pickleball - Maple Grove

Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Megow, Erik Robert	1.25	172.00	215.00
Subtotal Professional Services		<u>1.25</u>		<u>215.00</u>

Low Task Subtotal **Lakeview Knolls Site Pickleball - Maple Grove** 215.00

Low Task 200.2023.008 Rush Creek Blvd Interchange - Maple Grove

Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Abrahams, Mark B	13.50	172.00	2,322.00
	Megow, Erik Robert	4.75	172.00	817.00
Subtotal Professional Services		<u>18.25</u>		<u>3,139.00</u>

Low Task Subtotal **Rush Creek Blvd Interchange - Maple Grove** 3,139.00

Top Task Subtotal 2023 Project Reviews 8,088.50

Total Fees & Disbursements	19,768.00
INVOICE TOTAL (USD)	<u>19,768.00</u>

Due upon receipt or in accordance with terms of the contract



3235 Fernbrook Lane
Plymouth MN 55447

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

3-May-23

Total by
Project Area

Administrative		70.00	0.00	
Administrative	66.750	75.00	5,006.25	
Admin - offsite	2.980	80.00	238.40	
Handbook		75.00	0.00	
Office Support	20.00	200.00	4,000.00	
Storage Unit - .47	1.00	183.77	183.77	
Data Processing/File Mgmt		70.00	0.00	
Drop Box Subscription		120.00	0.00	
Archiving	0.420	70.00	29.40	
Reimbursables	722.43	1.00	722.43	10,180.250
Administrative - TAC support		70.00	0.00	
Administrative - TAC Support	2.00	75.00	150.00	
Admin - TAC support		80.00	0.00	
TAC support - reimbursables	0.50	1.00	0.50	150.500
Website		70.00	0.00	
Website	0.25	75.00	18.75	
Web Domain, hosting		1.00	0.00	
Website - Zoom		1.00	0.00	18.750
Annual Report		70.00	0.00	
Annual Report	0.70	75.00	52.50	
Annual Reporting / Work Plans		75.00	0.00	
Annual Reporting/Work Plans - reimbursables	152.72	1.00	152.72	205.220
Project Reviews - Secre		70.00	0.00	
Project Reviews - Admin	6.75	75.00	506.25	
Project Reviews - Admin Project Specific	0.40	75.00	30.00	30.00
Project Reviews - Admin offsite		80.00	0.00	
Project Reviews - Admin - File Mgmt		75.00	0.00	
Project Reviews - reimbursables	10.57	1.00	10.57	516.820
Education - Secretarial		70.00	0.00	
Education - Admin		75.00	0.00	
Education - Admin virtual	0.500	80.00	40.00	
Education - reimbursables		1.00	0.00	40.000
CIPs -General		70.00	0.00	
CIPs - Administrative	4.13	75.00	309.75	
CIPs- Offsite Admin		80.00	0.00	
CIPs - reimbursables	19.32	1.00	19.32	329.070
				11,470.610

elm creek Watershed Management Commission

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

Cemstone Supply Facility Dayton Project #2023-003

Project Overview:

Location: The project site is 5.6 acres located east of Holly Lane at 17515 Territorial Road. PID 3212022320009. The site is currently two commercial buildings with associated parking/access.

Purpose: This project proposes to demolish the northerly building (20,385 sq. ft.) and remove all pavement areas. It will preserve the southerly storage building (11,263 sq. ft.) and construct a new 38,000 sq. ft. office warehouse building with its associated parking and drive areas.

WMC Rules Triggered:

X	Rule D	Stormwater Management
X	Rule E	Erosion and Sediment Control
	Rule F	Floodplain Alterations
	Rule G	Wetland Alteration
	Rule I	Buffer Strips

Applicant: Cemstone Products Co.
Address: 2025 Center Pointe Blvd.
Mendota Heights, MN 55120

Attention: Alex Olin
Phone: 651-688-9292
Email: aolin@cemstone.com

Agent: Contour Civil Design LLC.
Address: 8195 Vernon Street
Rockford, MN 55373

Attention: Joseph Radach
Phone: 612-730-2265
Email: jradach@contourcd.com

Exhibits:	Description	Date Received
Application	<input checked="" type="checkbox"/> Complete ECWMC Application	February 6, 2023
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	February 6, 2023
	<input checked="" type="checkbox"/> City authorization: Dayton, MN	January 24, 2023
	<input checked="" type="checkbox"/> Review fee: \$3,375	February 6, 2023
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	February 6, 2023

Submittals

1. Elm Creek Watershed Management Commission Project Review Fee Schedule
2. Site Plans, prepared by Contour Civil Design, dated November 1, 2022, with last revision date on April 15, 2023, except where noted.
 - a. Sheet C0.0, Title Sheet
 - b. Sheet V1.1, ALTA/NSPS Land Title Survey. (dated August 31, 2022)
 - c. Sheet C1.1, Existing Conditions & Removals Plan

- d. Sheet C2.1, Site Plan
 - e. Sheet C3.1, Utility Plan
 - f. Sheet C4.1, Grading and Drainage Plan
 - g. Sheet C5.1 & C5.2, Erosion Control Plans
 - h. Sheet 5.3, SWPPP Narrative
 - i. Sheets C6.1 to C6.3, Details
 - j. Sheets L1.0 & L1.1, Landscape Plan and Details, dated October 28, 2022.
 - k. Photometric Plan dated October 25, 2022.
3. Stormwater Management Report Cemstone Supply Facility Issue date November 1, 2022, Revision 1, January 3, 2023, Revision 2, April 15, 2023.
 - a. Narrative
 - b. Location, existing and proposed drainage maps.
 - c. Storm sewer drainage maps
 - d. Existing and proposed conditions HydroCAD Models
 - e. MIDS Model summary and electronic version
 - f. Storm Sewer Design
 - g. Soils information.
 - i. NRCS Web Soil Survey
 - ii. Braul Intertec preliminary geotechnical Evaluation Report dated August 18, 2006.
4. Initial ECWMC review comments dated February 13, 2023, with applicant response received via email on April 15, 2023.
5. Stormwater facilities management agreement (unsigned)

Findings

General

1. A complete application was received February 6, 2023. The 60-day decision period per MN Statute 15.99 was extended by the applicant to June 7, 2023.
2. The existing parcel is 5.56 acres in size, located west of CR 81 near the old intersection with Territorial Road.
3. The existing condition is a commercial site with two buildings and associated parking/driveway areas. It has 1.724 acres of impervious areas.
4. The proposed condition will retain one existing building and construct one new office/warehouse building along with its associated parking and driveways. It will have 3.46 acres of impervious areas. There will be a net increase of 1.736 acres of new impervious areas.
5. The parcel is in the Rush Creek sub watershed of the Elm Creek Watershed. All the water in the parcel ultimately drains south and east into a series of stormwater ponds and wetlands before draining under Holly Lane into Rush Creek near the border with Maple Grove at CR 81.
6. The current project proposes grading 5.5 acres and constructing the two facilities and their infrastructure.
7. The new biofiltration basin will function as volume, water quality, and rate control for the stormwater runoff from this site.
8. No wetland or floodplains are shown in this parcel or adjacent properties.
9. Soil borings on the adjacent lot show lean clay as the underlying soil throughout much of the site and beneath the proposed basin footprints.
10. Wetland determination for the project has not been received. Verification from the LGU that no wetlands are on this parcel is necessary.

Rule D – Stormwater Management (plans)

General

1. The existing and proposed storm sewer drains all the water from this lot to a 48-inch trunk storm sewer line in the SE corner of this parcel. The trunk line runs approximately 550' south into an existing stormwater pond that outlets east into a wetland/floodplain area of Rush Creek.
 - a. The existing parcel drains in two general directions:
 - i. To the trunk storm sewer NE invert and MH inlet (4.18 acres).
 1. 2.26 acres drains to the north into the Territorial Road storm sewer.
 2. 1.92 acres to the southeast into an existing storm sewer.
 - ii. To the west into an existing stormwater pond on the adjacent parcel (1.33 acres).
 - b. The proposed drainage pattern will be in three directions.
 - i. to the trunk storm sewer NE invert and CB inlet (4.94 acres).
 1. Most of the impervious areas (4.61 acres) will drain south into a new biofiltration pond.
 2. 0.335 acres drains north into the Territorial Road storm sewer.
 - ii. 0.55 acres will drain to the west into the existing stormwater pond on the adjacent property.
 - iii. A small area (0.064 acres) will drain to the east.
2. Before development there is 1.724 acres of impervious areas
3. After development there will be 3.460 acres of impervious areas.
4. There will be 1.736 acres of new impervious areas after development.
5. Soil borings in the adjacent lot (~600 feet west/northwest from the proposed biofiltration basin) indicate sandy lean clays (CL unified soil classifications) throughout the whole soil profile. Based on the NRCS soil survey and existing elevations, the adjacent soils are an acceptable indicator of the soils on this site. As such, the underlying soils throughout this parcel and beneath the proposed basin footprints are not conducive for infiltration.
6. Stormwater management and controls will be provided by one new biofiltration basin with a forebay for pre-treatment of the sediments.

Rate Controls

1. The current rate control model **meets** Commission standards.
2. The applicant provided pre- and post-development HydroCAD model output for the 2-year, 10-year, and 100-year MSE 24-hour type 3 storm events which are summarized in [Table 1](#).

Low Floor Elevations

1. Low Floor Elevations for the existing storage building **meet** the Commissions requirements.
 - a. The proposed low floor elevation for the existing storage building is 942.9.
 - b. The proposed low floor elevation for the new building is 943.0.
2. Biofiltration basin 10P has a HWL of 937.3 and an overflow of 940.8.
3. Existing storm pond to the west 100-year HWL not provided. Existing pond overflow elevation = 941.9.

Table 1 Rate of Discharge Leaving Site

Direction	Condition	2-year (cfs)	10-year (cfs)	100-year (cfs)
Drainage to Trunk Storm Sewer^{1&2} (NE invert and CB inlet)	Pre-Project (4.22 acres) ¹	7.0	13.0	27.1
	Proposed (5.01 acres) ²	1.8	8.0	18.4
	Change (+0.49 acres)	-5.2	-5.0	-9.7
Drainage to West³ (existing stormwater basin)	Pre-Project (1.33 acres)	1.9	3.6	7.5
	Proposed (0.55 acres)	1.6	2.8	5.3
	Change (-0.78 acres)	-0.3	-0.8	-2.2

¹ Predevelopment Subcatchments 1S + 3S

² Post-development Subcatchment 3S + Reach X

³ Subcatchment 2S for pre- and post-development

Abstraction Controls and Water Quality

Preliminary abstraction and water quality controls **meet** Commission requirements, but additional information is necessary for a final determination.

1. The applicant proposes to provide abstraction control and water quality treatment by constructing one biofiltration basin. The basin will be constructed with a forebay for pretreatment of sediment upstream of the sand filter media.
2. New impervious areas will be 1.736 acres. This equates to 0.159-acre feet (6,932 cubic feet) of abstraction required for a 1.1' runoff event from the new, net impervious areas.
3. Full infiltration of 1.1 inches of runoff from impervious areas is not feasible due to low infiltration capacity soils. Soil borings completed by Braun Intertec on the adjacent property approximately 600 feet to the west/northwest of the new basin, along with NRCS soil survey information confirm the design assumptions relating to low infiltration capacity of native soils at the site.
4. The biofilter basin/forebay is sized to filter 0.228-acre feet (9,932 cu. ft) of stormwater through the underdrain systems prior to discharge of water in the primary outlet structure (Between elevations 933.5 to 934.5).
 - i. Drawdown for the storage volume between the basin bottom (933.5) and the outlet elevation (934.5) is estimated at 16.7 hours. (0.205 ac. ft. surface area @ 0.8"/hr)
5. The applicant used the MIDS model to demonstrate water quality compliance for the project.
6. Preliminary water quality modeling results are shown in Table 2.

Operation and Maintenance

1. A draft stormwater operation and maintenance agreement between the city and the landowner was provided. Please refer to the city for their agreement template.

Table 2 Abstraction Control and Water Quality Criteria Summary

	Annual Runoff Vol. (ac.-ft)	Abstraction Vol. (Cubic feet)	TP¹ (lbs/year)	TSS¹ (lbs/year)
Pre-Project	5.58	N/A	4.56	828
Proposed (w/o BMP's)	8.44	6,932 required	6.88	1,250
Proposed (w/ BMP's)	7.31	9,932 provided	3.58	392
Change	+1.73	+3,000 (excess)	-0.98	-436

Rule E – Erosion and Sediment Control

1. The erosion and sediment control plans include a two-phase stormwater pollution prevention plan that is consistent with the MPCA and NPDES general permits.
 - a. Sequencing of erosion control measures, temporary drainage systems, temporary sediment basins and filter basins have been provided as part of the SWPPP plan for this site. Other BMPS that are included are:
 - i. Rock construction entrance
 - ii. Silt fence and Bio-rolls
 - iii. Inlet protection
 - iv. Stabilization of disturbed soil areas.
 - v. Appropriate concrete washout provisions.

Recommendation

Approval contingent upon

- 1) Final ECWMC escrow balance determination and resolution.
- 2) LGU verification of wetland determination
- 3) City approval of O & M agreement



James C. Kujawa
Surface Water Solutions
Advisor to the Commission

April 19, 2023
Date

Attachments

- | | |
|----------|--------------------------|
| Figure 1 | Project Location |
| Figure 2 | 2018 Aerial Photograph |
| Figure 3 | Areas |
| Figure 5 | Proposed Drainage Areas) |
| Figure 6 | Grading Plans |

Figure 1 Project Location

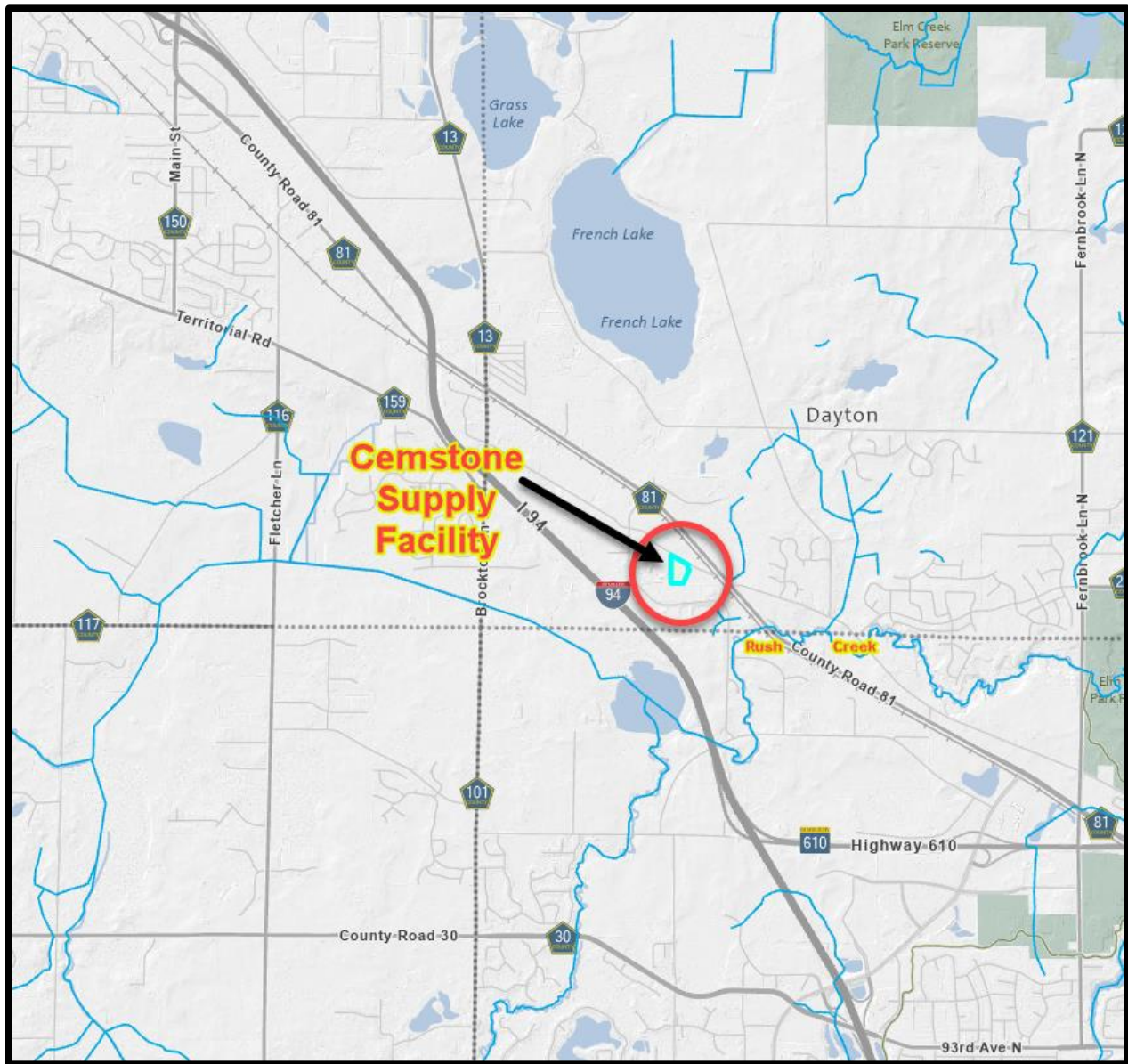


Figure 2 2018 Aerial Photo



Figure 3 Existing Drainage

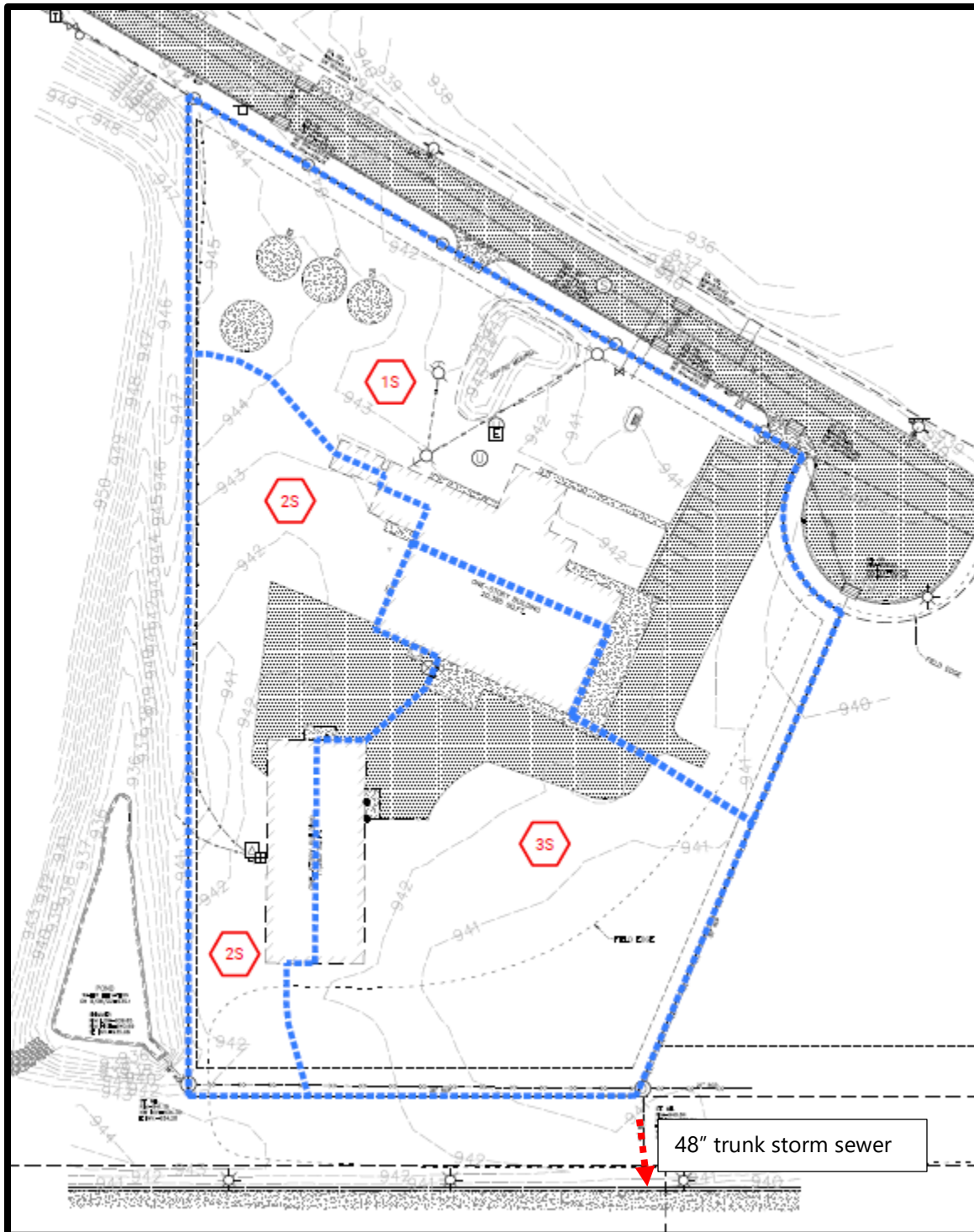
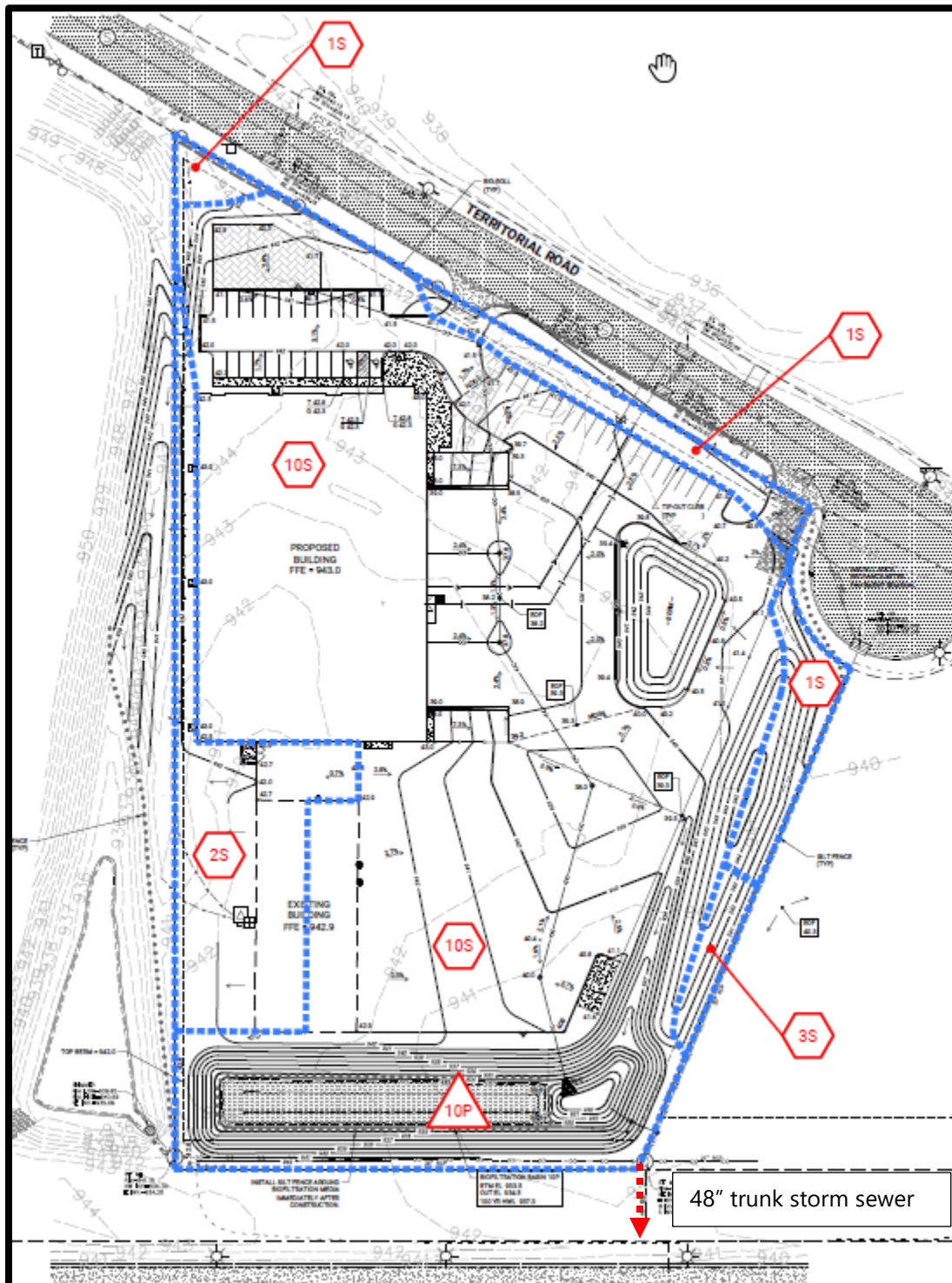


Figure 4 Proposed Drainage/Grading



elm creek Watershed Management Commission

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Medina Industrial Medina Project #2023-04

Project Overview:

Location: Two parcels that total in 25.08-acres (PID 1111823220003 and 1111823230001) located south of Highway 55 along Arrowhead Dr.

Purpose: Construction consists of an office/warehouse building with some parking, loading areas, and sidewalks.

WMC Rules Triggered:

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

Applicant: Scannell Properties

Address: 294 Grove Lane E
Wayzata, MN 55391

Attention: Scott Scannell

Phone: (763)331-8850

Email: scottm@scannellproperties.com

Agent: Kimley-Horn & Associates

Address: 11995 Singletree Ln, Ste 225
Eden Prairie, MN

Attention: Brian Wurdeman

Phone: (651)645-4197

Email: Brian.wurdeman@kimley-horn.com

Exhibits:	Description	Date Received
Application	<input checked="" type="checkbox"/> Complete ECWMC Application	February 27, 2023
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	February 27, 2023
	<input checked="" type="checkbox"/> City authorization: Medina, MN	May 11, 2022
	<input checked="" type="checkbox"/> Review fee: \$4,050	February 27, 2023
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	February 27, 2023

Submittals

1. Stormwater Management Plan, dated April 8, 2022, prepared by Kimley-Horn & Associates, revised March 14, 2023, April 11, 2023, April 25, 2023, and April 28, 2023.
 - a. Stormwater Narrative
 - b. Existing and Proposed Drainage Maps
 - c. Existing and Proposed HydroCAD models
 - d. Geotechnical Evaluation Report, dated October 2021, prepared by Braun Intertec Corporation

2. Construction Drawings, dated November 18, 2022, prepared by Kimley-Horn & Associates, revised February 24, 2023
3. Minnesota Wetland Conservation Act Notice of Decision (NOD), approved July 19, 2022.

Findings

General

1. A complete application was received February 27, 2023. The initial 60-day decision period per MN Statute 15.99 expired April 28, 2023, but was extended an additional 60-days to June 27, 2023.
2. The existing 7.48-acre parcel and 17.6-acre parcel contains agricultural land and several wetland areas. Stormwater currently drains from the site in multiple directions:
 - a. To the western wetland
 - b. To the eastern wetland
 - c. To the south
 - d. To the northeast
1. Construction consists of an office/warehouse building with some parking, loading areas, and sidewalks.
2. The development will create 18.60-acres of impervious area, all of which is net, new impervious.
3. One wet pond with a filtration bench and water reuse system, along with three jellyfish manufactured treatment devices will be constructed to meet the water quality and abstraction requirements.
4. Soil borings indicate predominately clayey soils throughout the site. Infiltration is not feasible.
5. There are no Elm Creek Watershed jurisdictional floodplains or stream crossings within the site.

Rule D – Stormwater Management

General

1. The property is approximately 25.08-acres. The project will result in 18.60-acres (786,693 sf) of impervious area, all of which is new impervious area.
2. Soil boring logs indicate clayey soils throughout the site. Infiltration is not feasible.
3. Stormwater will be managed with one wet pond with a filtration bench and three jellyfish manufactured treatment devices, along with capture and re-use.
4. The ultimate discharge locations of the site are to the northwest and the eastern wetland. A small portion of the site will be draining to the south.

Rate Controls

1. Rate control **meets** Commission requirements.
2. The proposed basins were sized to draw down within 48 hours.
3. The applicant provided HydroCAD model output for the 2-year, 10-year, and 100-year events total outflow from each drainage from the site. The rates are summarized in Table 1.

Table 1 Rate of Discharge Leaving Site

Direction	Condition	2-year (cfs)	10-year (cfs)	100-year (cfs)
Northeast To Adjacent Property	Pre-Project	9.51	16.04	30.05
	Proposed	0.00	0.00	0.00
	Change	-9.51	-16.04	-30.05
West To Wetland	Pre-Project	11.29	18.74	34.67
	Proposed	4.90	6.28	7.74
	Change	-6.39	-12.48	-26.93
South To Adjacent Property	Pre-Project	8.64	14.57	27.29
	Proposed	1.73	3.21	6.51
	Change	-6.91	-11.36	-20.78
East To Wetland	Pre-project	33.59	57.00	107.42
	Proposed	5.33	22.57	58.76
	Change	-28.26	-34.43	-48.66
TOTAL	Pre-Project	57.70	97.72	183.88
	Proposed	10.48	29.41	68.65
	Change	-47.22	-68.31	-115.23

Low Floor Elevations

1. Low floors **meet** Commission requirements.
2. The low floor elevations are at least two feet above the 100-yr high water level (HWL) and at least one foot above the EOF for the stormwater ponds and wetlands on site.

Operation and Maintenance

The applicant will need to enter a stormwater maintenance agreement with the City of Medina. The city's template stormwater maintenance agreement satisfies the requirements of the Commission.

Abstraction Controls and Water Quality

1. Abstraction and Water Quality controls **meet** Commission requirements
2. Infiltration from 1.1 inches of runoff from impervious areas is not feasible.
3. The applicant proposes to use biofiltration, along with capture and re-use to meet the Commission's requirement for abstraction.

4. Net, new impervious areas will be 18.60-acres from the site, requiring abstraction of 72,113 cubic feet.
5. The applicant is providing 118,918 cf of abstraction via filtration in the pond and via re-use irrigation. The applicant is currently not taking any credits for the filtration provided by the three jellyfish filters. Here is a breakdown of the provided abstraction volumes:
 - Pond Filtration: 81,022 cf
 - Irrigation Re-use: 37,897 cf
6. The applicant provided existing and proposed MIDS modeling for the development showing conformance with the water quality requirements.

Table 2 Water Quality Summary

	Annual Runoff Vol. (ac-ft)	Abstraction Vol. (cubic feet)	TP (lbs/year)	TSS (lbs/year)
Pre-Project	13.5	N/A	11.0	1,995
Proposed (w/o BMP's)	41.1	72,113 (required)	33.5	6,089
Proposed (w/ BMP's)	34.8	118,918 (provided)	10.7	421
Change	+21.3	+ 46,806 (excess)	-0.3	-1,574

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. Rock construction entrance
 - b. Silt fence
 - c. Catch basin inlet protection
 - d. Permanent erosion control devices
 - e. Stabilization of disturbed soil areas

Rule G – Wetland Alterations

1. Wetland alterations **meet** the Commission's requirements.
2. The project proposes to fill, or permanently impact, 1.22 acres of wetlands on the site.
3. The applicant will be purchasing 2.44 acres of wetland banking credits.
4. A wetlands alterations and replacement plan has been approved by the City of Medina, who is the Local Government Unit in charge of administering the Wetland Conservation Act (WCA).

Rule I – Buffer Strips

1. Buffer strips does **meet** the Commission's requirements as follows:
 - a. The wetland buffer vegetation will meet the Commission requirements for native vegetation establishment and maintenance.

- b. Wetland buffer monumentation meets the Commission's requirements.
- c. The buffer strip is at least 25-feet wide in all locations with a slope flatter than 6:1 (horizontal: vertical) and meets the Commission's minimum (10 feet) and average (25 feet) standard.
- d. The City of Medina has wetland buffer monumentation that meets the Commission's standards.

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.
- 2. Approval is contingent upon an operation and maintenance plan that is approved by the City of Rogers.
- 3. Approval is contingent upon the receipt of an irrigation layout and pump plan. This plan is expected to be produced once a design-build contractor has been selected for the project.
- 4. Provide grading details to show how the pond, maintenance road, and associated parking and retaining walls (shown on Sheet C-502) work with the proposed grades at the northwest corner of the proposed stormwater pond.

On Behalf of Stantec Consulting Services, Inc.
Advisor to the Commission



Date 5/1/2023

Attachments

- Figure 1 Project Location
- Figure 2 Existing Drainage Map
- Figure 3 Proposed Drainage Plan
- Figure 4 Overall Grading Plan
- Figure 5 Stormwater BMPs
- Figure 6 Wetland Impacts

Figure 1 Project Location

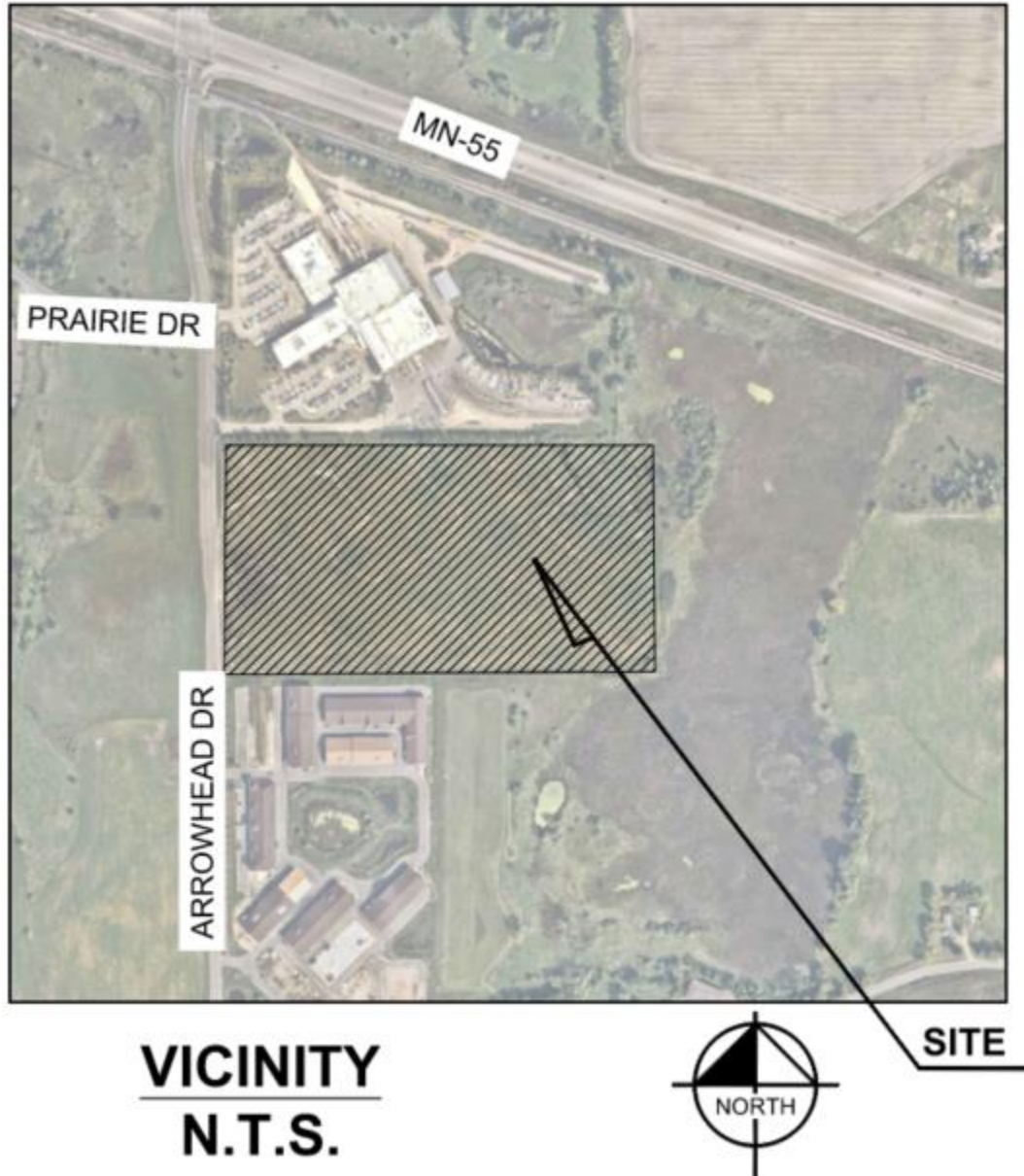


Figure 2 Existing Drainage Map

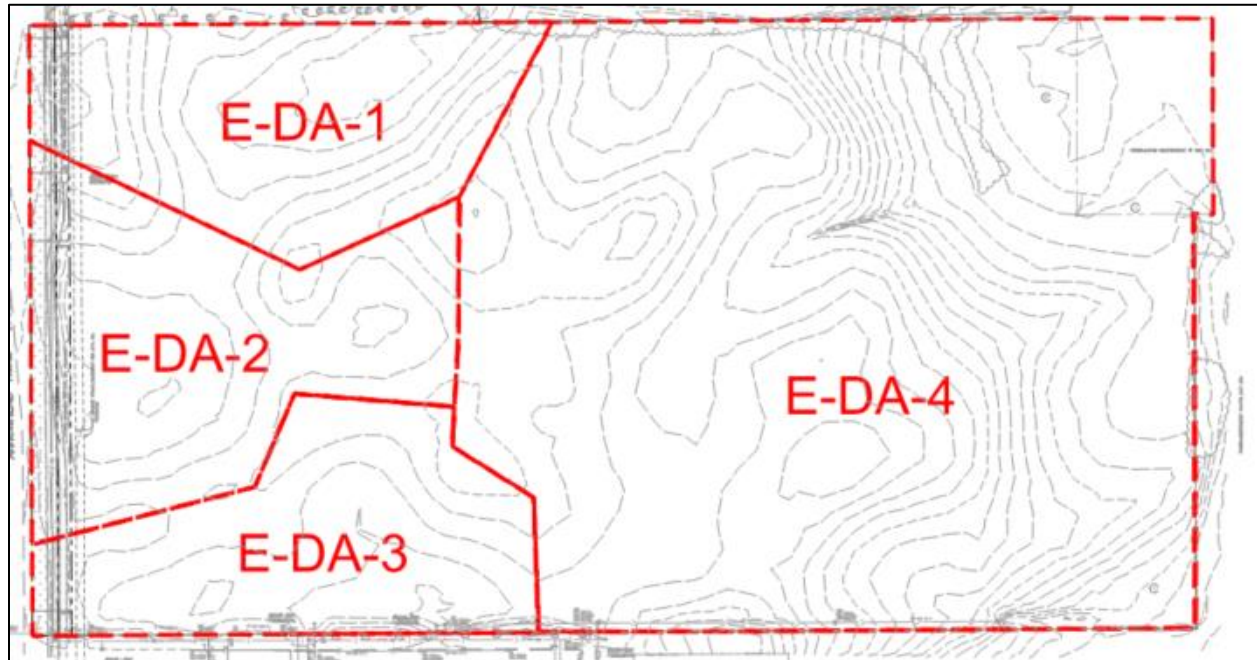


Figure 3 Proposed Drainage Plan

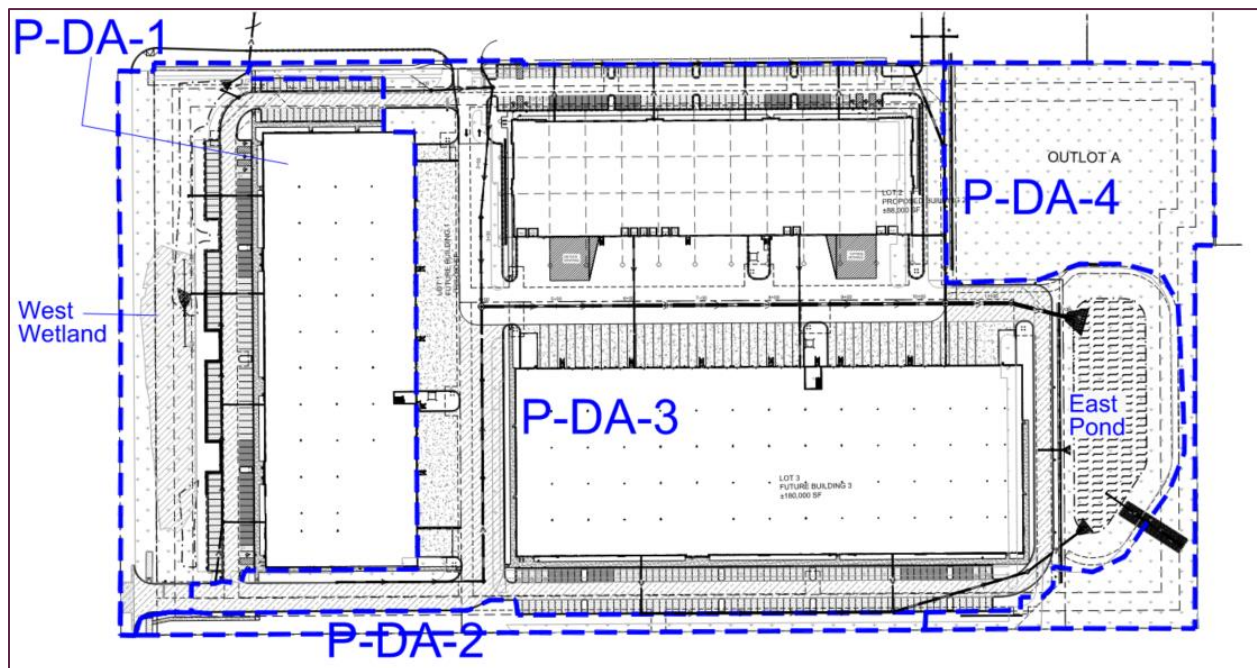


Figure 4 Overall Grading Plan

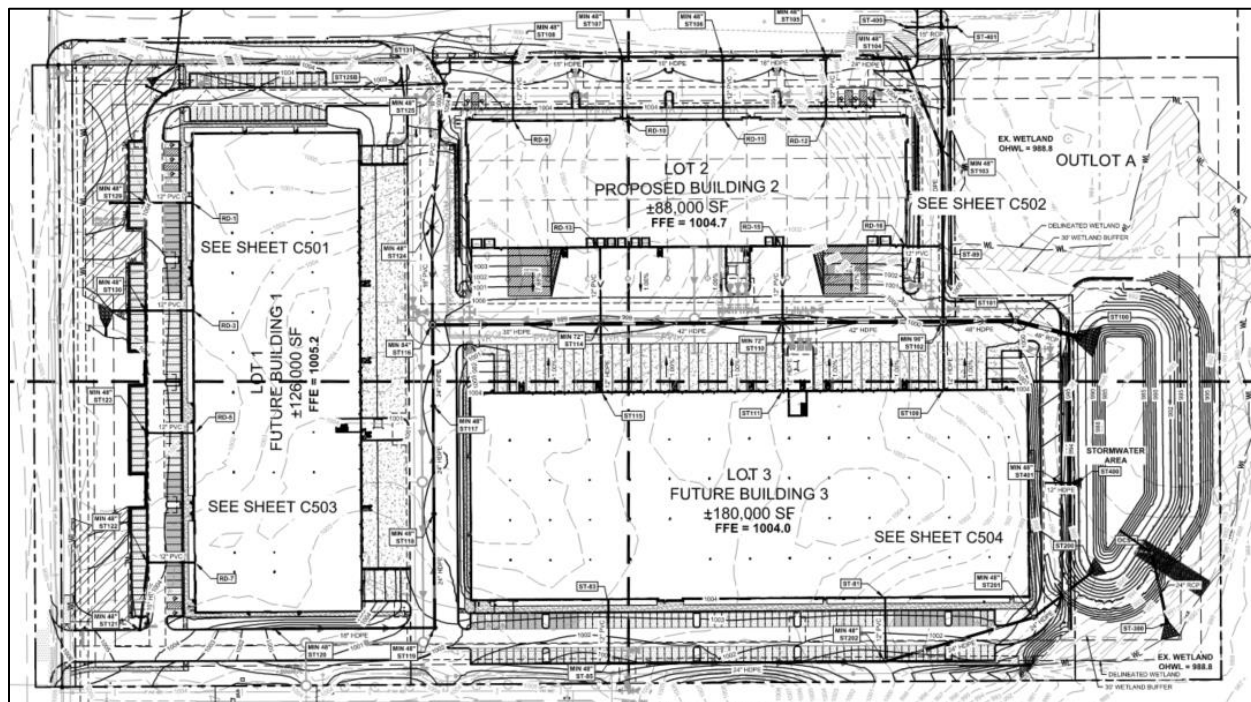


Figure 5 Stormwater BMPs

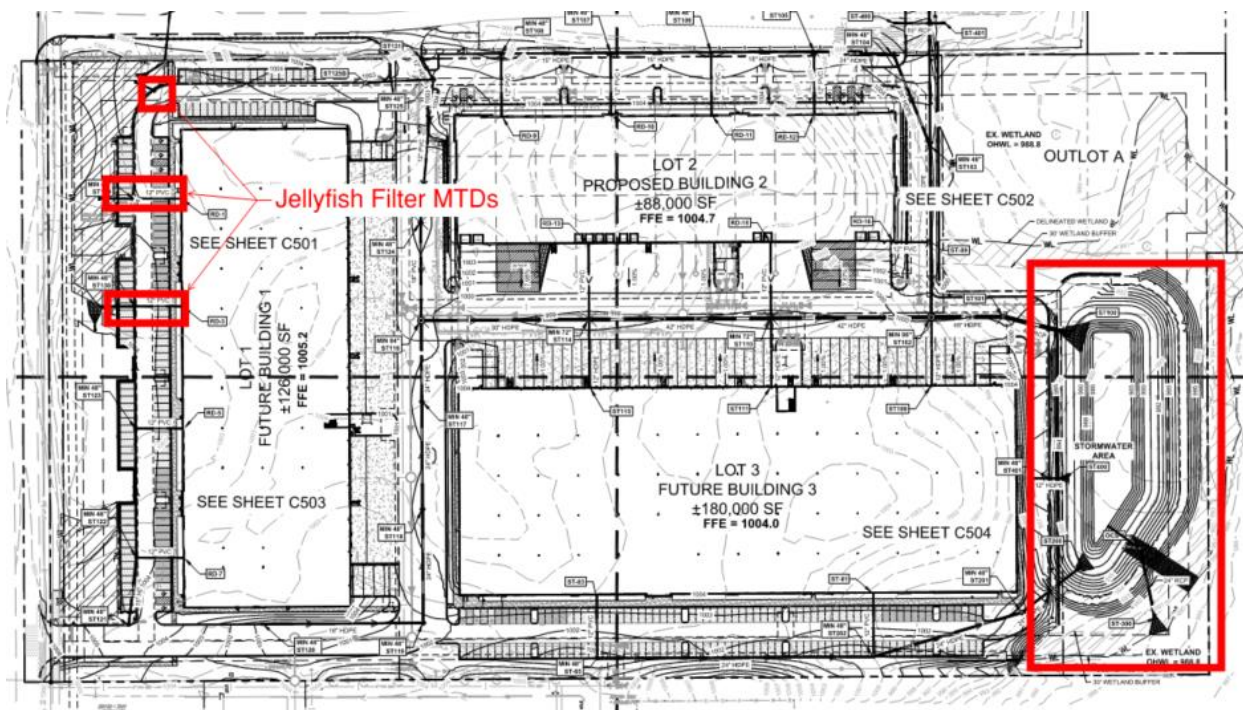
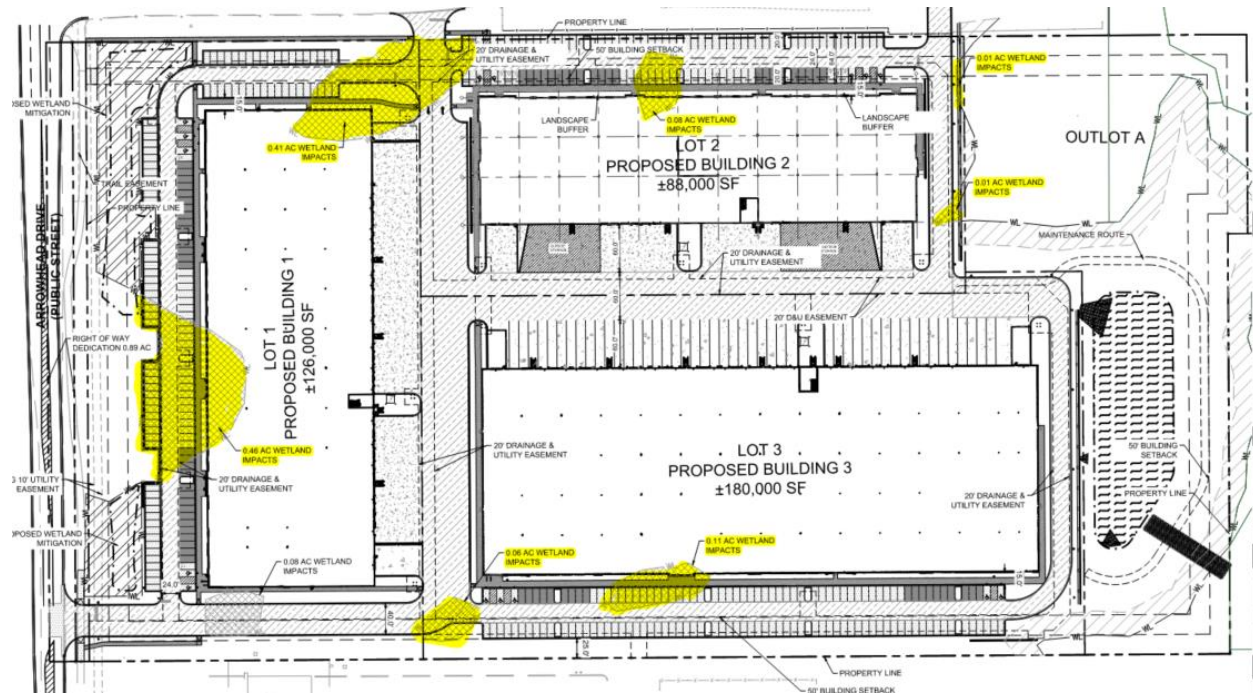


Figure 6 Wetland Impacts



elm creek Watershed Management Commission

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

MTL Troy Lane Addition Dayton Project #2023-005

Project Overview:

Location: A 41.6-acre parcel located west of French Lake Road and north of CR 81 on Troy Lane. An existing mobile home park is located along the west side to the property. Hennepin County PID 3012022340001.

Purpose: This project parcel is currently agricultural cropland with approximately 6 acres of wetlands scattered throughout. The site will be developed into two lots. The east lot will be a waste transfer station with an office/maintenance building. The west lot will be a maintenance building with a warehouse. Both properties will have associated parking areas and outdoor storage. Troy Lane will connect at the south lot line and be constructed along the southerly property line and connect into West French Lake Road.

WMC Rules Triggered:

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

Applicant:	MTL Companies	Attention:	Mark Master
Address:	7211 Winnetka Ave. N. Brooklyn Park, MN 55428	Phone:	763-533-4301
		Email:	mark@mtlcompanies.com

Agent:	Demarc Land Surveying & Engineering	Attention:	Jeff Prasch
Address:	7601 73 rd Ave N. Brooklyn Park, MN 55428	Phone:	763-560-3093
		Email:	jeffprasch@demarcinc.com

Exhibits:	Description	Date Received
Application	<input checked="" type="checkbox"/> Complete ECWMC Application	March 29, 2023
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	March 29, 2023
	<input checked="" type="checkbox"/> City authorization: Dayton	March 20, 2023
	<input checked="" type="checkbox"/> Review fee: \$4,050	March 29, 2023
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	March 20, 2023

Submittals

1. Storm Water Management Plan, MTL Addition, by Demarc Land Surveying & Engineering dated July 28, 2022, with last revision date of April 19, 2023.
 - a. Project Narrative

- b. Existing and proposed drainage area conditions figures.
 - c. NOAA Atlas 14, point precipitation frequency data.
 - d. Storm sewer calculations, rational method
 - e. Existing and proposed 2-, 10- and 100-year HydroCAD reports.
 - f. Preliminary Geotechnical Exploration Report by Haugo GeoTechnical Services dated June 19, 2020, with Addendums 1 and 2 dated January 26, 2023, and February 13, 2023.
 - g. Existing and proposed MIDS information dated March 16, 2023.
2. Site Development Plans for MTL Addition by Demarc Land Surveying & Engineering dated December 8, 2022, with latest revision date of April 19, 2023.
 - i. Sheet C1, Title Sheet
 - ii. Sheet C2-C7, Details
 - iii. Sheet C8, Existing Conditions & Removals
 - iv. Sheets C9-C11, Site Plans
 - v. Sheets C12-C14, Grading and Drainage Plans
 - vi. Sheets C15-C17, Utility Plans
 - vii. Sheets C19-C23 Stormwater Pollution Prevention Plans
 - viii. Sheets L1.1 to L1.5 Landscaping Plans
3. Wetland Conservation Act Notice of decision.
 - a. Wetland Boundary/Type (LGU (Dayton) approval dated September 15, 2020
 - b. Wetland Replacement Plan LGU approval, dated March 29, 2022.
4. Applicant 4/19/23 response to ECWMC comments

Findings

General

1. A complete application was received March 29, 2023. The initial 60-day decision period per MN Statute 15.99 expires May 30, 2023.
2. The proposed condition will split the parcel into two lots. The westerly lot will have two buildings, a warehouse (200,000 sq. ft.) and office building (10,000 sq. ft.). The easterly lot will have a transfer station and office/maintenance buildings (~39,500 sq. ft. total). Both lots will include driveways/parking and loading areas.
3. New impervious areas will be 25.71 acres.
4. All water in this parcel flows north into French Lake, but there are three main sub-watershed flows draining from this property that will be analyzed for pre- and post-development conditions.
5. There are no floodplains on-site.
6. There are seven (7) wetland basins on site. Two basins are proposed to be totally filled (36,137 sq. ft.) and one partially filled (31,558 sq. ft.)

Rule D – Stormwater Management

General

1. The project will disturb 36.8 acres and create 25.17 acres of new impervious areas.
2. The soil borings on this site are sandy lean clays, lean clays, and silty clays. All have unified soil classification of CL and are not conducive for infiltration. An underdrain system with drain tile for abstraction volume controls is proposed for all the biofiltration basins.
3. For stormwater management, the westerly lot will include a wet detention pond that will flow into an iron-enhanced biofilter basin (IEBF) before flowing north into French Lake. The easterly lot will

flow into a biofiltration basin before discharging into a wetland on the east property boundary and then flowing under West French Lake Road into French Lake.

4. Pretreatment of sediment to prevent clogging the filter systems will occur as follows.
 - a. For the wet pond and iron-enhanced biofilter (IEBF) system, adequate pretreatment will occur in the wet pond and a sump MH above the inlet to the IEBF.
 - b. For the biofiltration system, adequate pretreatment is provided by sump manholes above the three-storm sewer inlet to the basin and two rain guardians from the direct discharge areas from the parking lots.

Rate Controls

1. Rate control will **meet** Commission requirements.
7. The wet detention pond and its IEBF will function as the main stormwater treatment for the westerly lot. It will have 42.8 acres (26.6 acres from this site) draining into it with 23.0 acres (19.5 from this site) being impervious.
2. The biofiltration basin is the main treatment for water from the easterly lot. It will have 9 acres from this lot draining into it with 5.9 acres being impervious.
3. The applicant provided proposed HydroCAD model output for the existing and proposed 2-year, 10-year, and 100-year events at the main discharge points from this site.
4. Table 1 is a summary of the discharge rates leaving this site.

Table 1 Rate of Discharge Leaving Site

Direction	Condition (drainage area)	2-year (cfs)	10-year (cfs)	100-year (cfs)
Northwest (4L)	Pre-Project (7.6 ac.)	1.2	8.8	29.5
	Proposed Condition (0.6 ac.)	0.8	1.7	4.1
	Change (-7.0 ac.)	-0.4	-7.1	-25.4
Northcentral (7L)	Pre-Project (60.0 ac.)	23.7	69.4	166.0
	Proposed Condition (49.9 ac.)	8.3	32.8	83.1
	Change (-10.1ac.)	-15.4	-36.6	-82.9
Northeast (Wetland 1)	Pre-Project (13.8 ac.)	17.8	35.10	77.2
	Proposed Condition (17.9 ac.)	14.0	33.10	63.3
	Change (+4.1 ac.)	-3.0	-2.0	-13.9

Low Floor Elevations

1. The low floor of the new structures meets the Commission's requirements for a 2-foot separation to the adjacent HWL's and 1.0-foot freeboard for emergency overflows.
 - a. West office FFE = 943.0
 - i. Adjacent wetland 8, HWL = 941.0, EOF = 941.1
 - b. West warehouse FFE = 942.0

- i. Adjacent HWL (Wet Pond) HWL = 927.0, EOF = 928.0
- c. East transfer station (northerly building) FFE = 922.5
 - i. Adjacent biofiltration basin HWL = 920.0, EOF = 921.5
 - ii. Wet pond HWL = 927.0, EOF = 928.0 is 218 feet from building, it is not considered hydrologically connected.
 - iii. Wetland 3 EOF = 914.4.
 - iv. Wetland 1 HWL = 916.2, EOF = 918.2±
- d. East office. (southerly building), FFE = 930.5
 - i. Adjacent biofiltration basin HWL = 920.0, EOF = 921.5.

Operation and Maintenance

The applicant will need to enter into a stormwater maintenance agreement with the City of Dayton. The city's template stormwater maintenance agreement satisfies the requirements of the Commission.

Abstraction Controls

1. Abstraction controls **meet** Commission requirements.
2. New impervious areas will be 25.71 acres requiring 2.36 acre-feet (102,660 cu. ft.) of abstraction.
3. The applicant proposes to use an iron enhances biofilter basin and a biofiltration basin with drain tile at least 2 feet below the top of the filter media to account for the water abstraction volume requirements.
4. Total abstraction will be 2.412-acre feet (105,067 cu. ft.)
 - a. Proposed abstraction volume in new wet pond and IESF = 1.693 ac. ft. (73,747 cu. ft.)
 - i. Draw down will occur in 38 hours.
 - b. Proposed abstraction volume in the biofiltration basin = 0.719 ac. ft. (31,320 cu. ft.)
 - i. Draw down will occur in 25.5 hours.
5. Typical filtration media details are consistent with MPCA and ECWMC requirements.
 - a. IEBF details include elevations and widths of the filter bench, soil material placement (clay soils vs filter materials) elevations and widths. Drain tile grades will be 0.5%.
 - i. Biofiltration basin #2 (IEBF) media mix will be the Wisconsin layered system which utilizes a 5-inch surface layer containing 20 percent compost, a 9-inch sand layer below the top layer, and a 9-inch lower layer containing 5 percent iron filings.
 - ii. Biofiltration basin #1 media mix will be Mix D.

Water Quality

1. Water quality meet Commission requirements.
2. The applicant used the MIDS model to simulate pollutant removal.

Table 2 MIDS Water Quality Summary¹

	Annual Runoff Vol. (ac-ft)	Abstraction Vol. (cubic feet)	TP (lbs/year)	TSS (lbs/year)
Pre-Project	18.2	N/A	14.8	2,690
Proposed (w/o BMP's) ¹	60.1	102,660 (required)	49.1	8,906
Proposed (w/ BMP's) ¹	55.2	105,067(provided)	14.2	1,109
Change	+37.0	+2,407(excess)	-0.6	-1,581

Rule E – Erosion and Sediment Control

1. Plans **meet** Commission requirements for erosion and sediment control.
2. Erosion control measures provided on the plan set include.
 - a. temporary clean water diversion/ditches as needed.
 - b. Temporary sediment ponds
 - c. Temporary and permanent seeding and mulching specifications.
 - d. Rock construction entrance
 - e. Silt fence
 - f. Double silt fence adjacent to wetlands

Rule G – Wetland Alteration

The project meets the Commission's requirements for Wetland Alterations.

1. Wetland impacts conform to MN WCA, ECWMC, and City of Dayton wetland regulations per Notice of Decision dated March 29, 2022.
2. 1.58 acres of impact will occur in three wetland basins in the center of the site.
3. 3.16 acres of BWSR wetland banking credits from account 1664 (Anoka County, Metro Mississippi, BSA 7) will be provided as replacement.
4. Site plans show future wetland impacts (~15,275 sq. ft.) on the southerly portion of this property and in the future ROW area for Troy Lane. The City will administer these future impacts per WCA/LGU and ECWMC regulations prior to any impacts.

Rule I –Buffer Strips

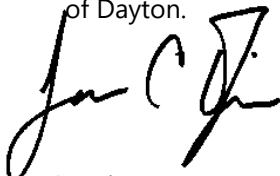
Buffer strips meet the Commissions requirement.

1. Buffer vegetation restoration will meet the Commission's standards per Rule I, paragraph 8, section c), including the two growing season vegetation maintenance requirements.
2. Buffer width averaging and monumentation is acceptable.
 - a. Wetlands 1 and 3 have 35' average and minimum buffer widths for 4:1 slope in buffer areas.
 - b. Wetlands, 2, 7 and 8's average widths are 25.3' with a 10' minimum.
3. Areas east of wetland one on this property do not have wetland buffers established on these site plans. It is anticipated that this area will have some impact and buffers will be established when this connector road is finished.

Recommendation

Approval contingent upon.

- 1) Final escrow balance accounting must be determined by the ECWMC administrator.
- 2) The applicant will need to enter into the final stormwater maintenance agreement with the City of Dayton.



James C. Kujawa
Surface Water Solutions
Advisor to the Commission

April 20, 2023
Date

Attachments

- Figure 1 Project Location/Aerial
- Figure 2 Grading Plan
- Figure 3 Existing Drainage Map
- Figure 4 Proposed Drainage Plan
- Figure 5 Wetland Overview Plan

Figure 1 Project Location/Aerial

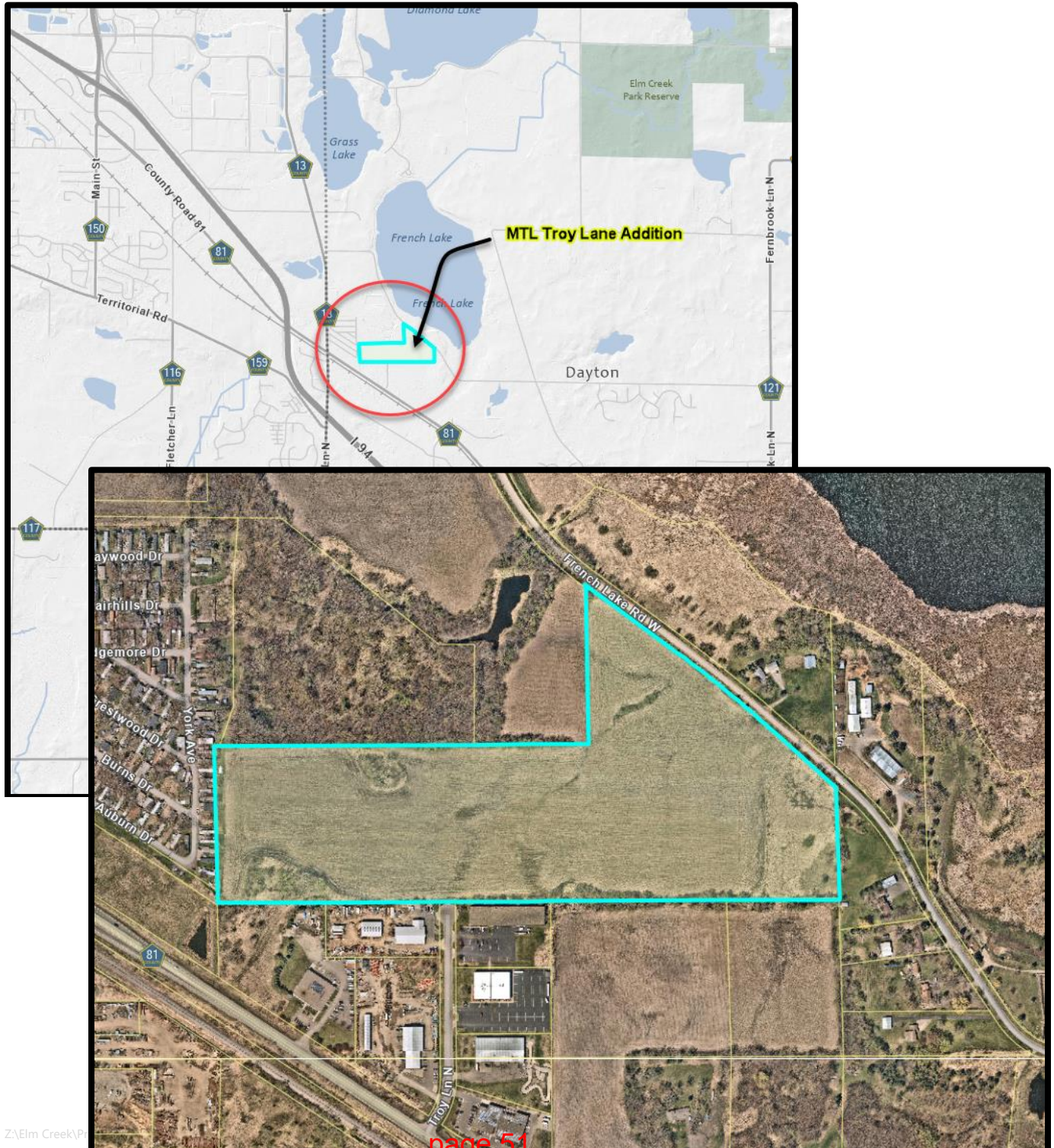


Figure 2 Grading Plan

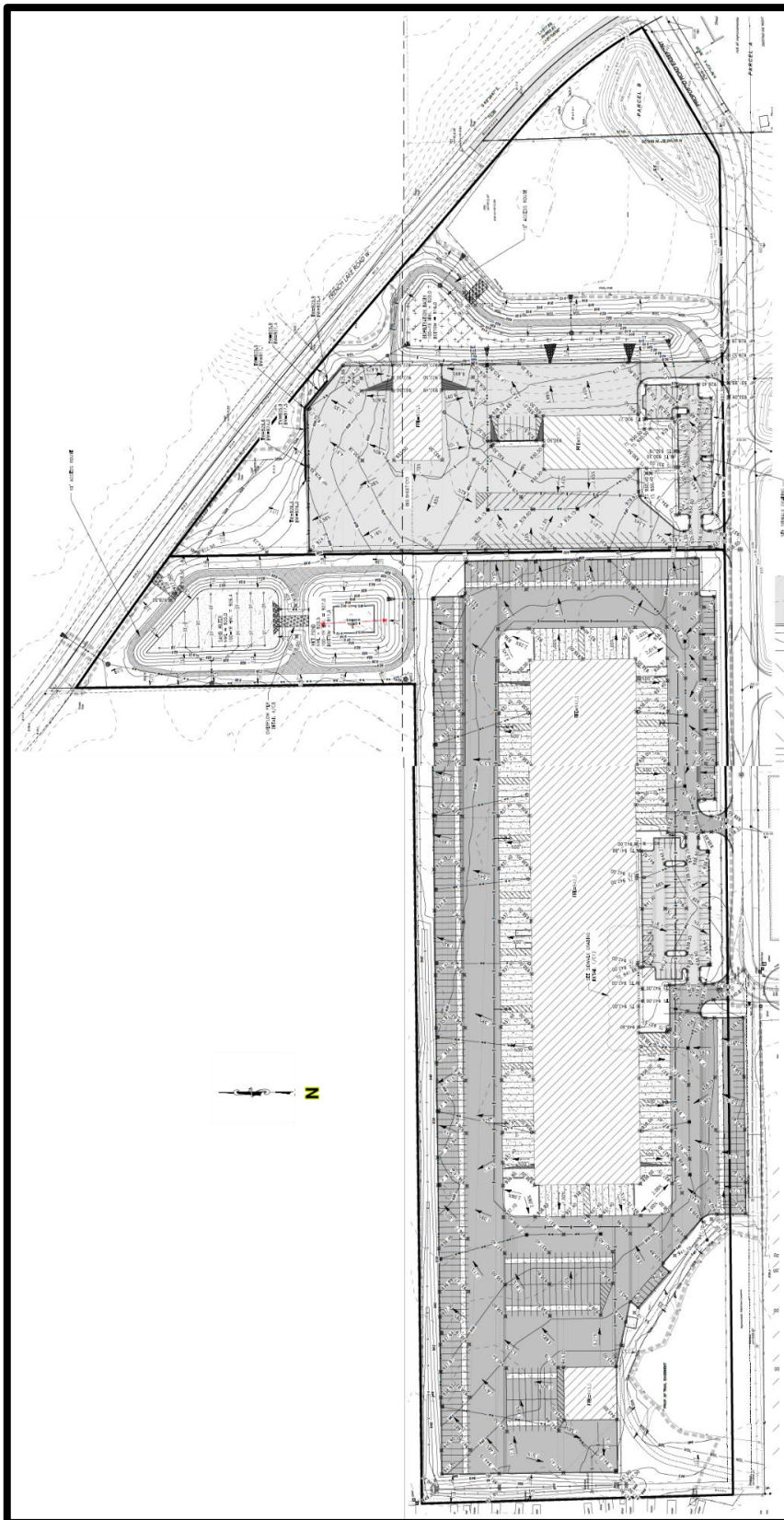


Figure 3 Existing Drainage Plan

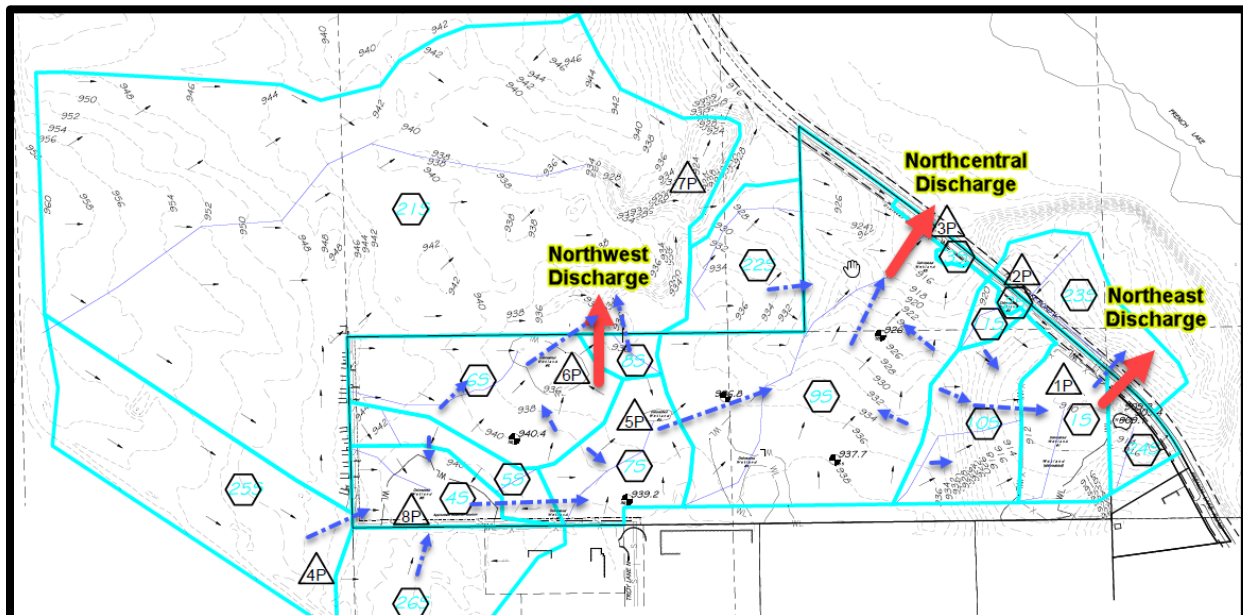


Figure 4 Proposed Drainage Plan

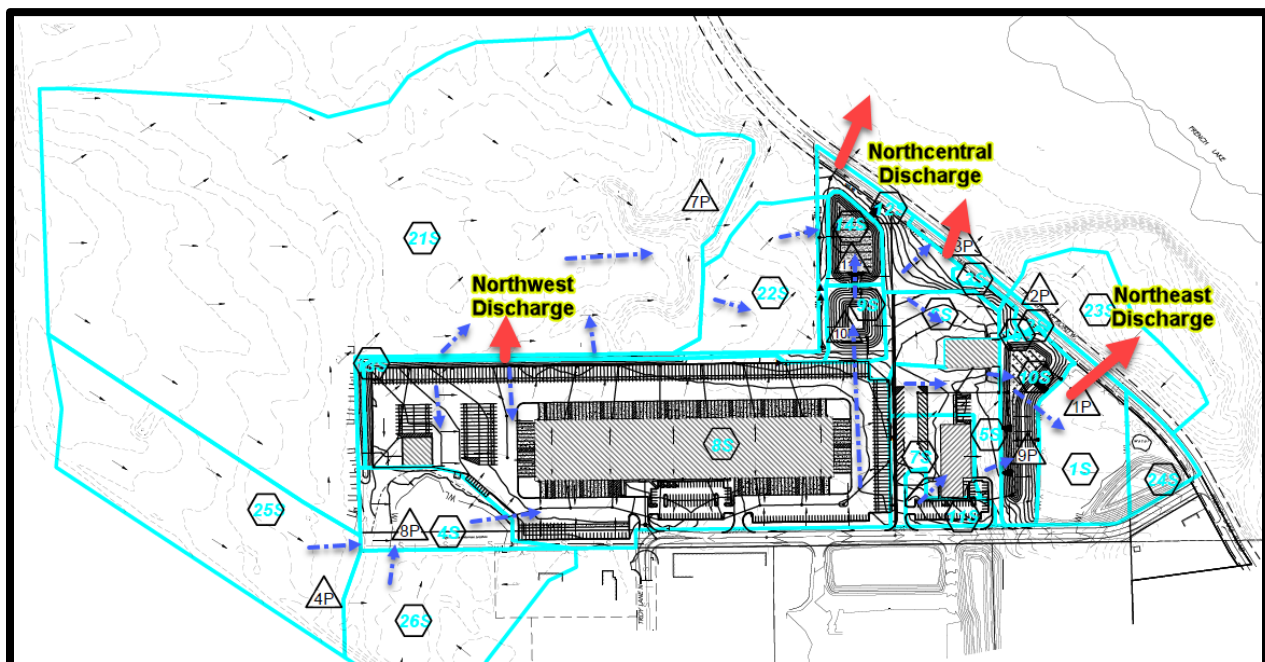
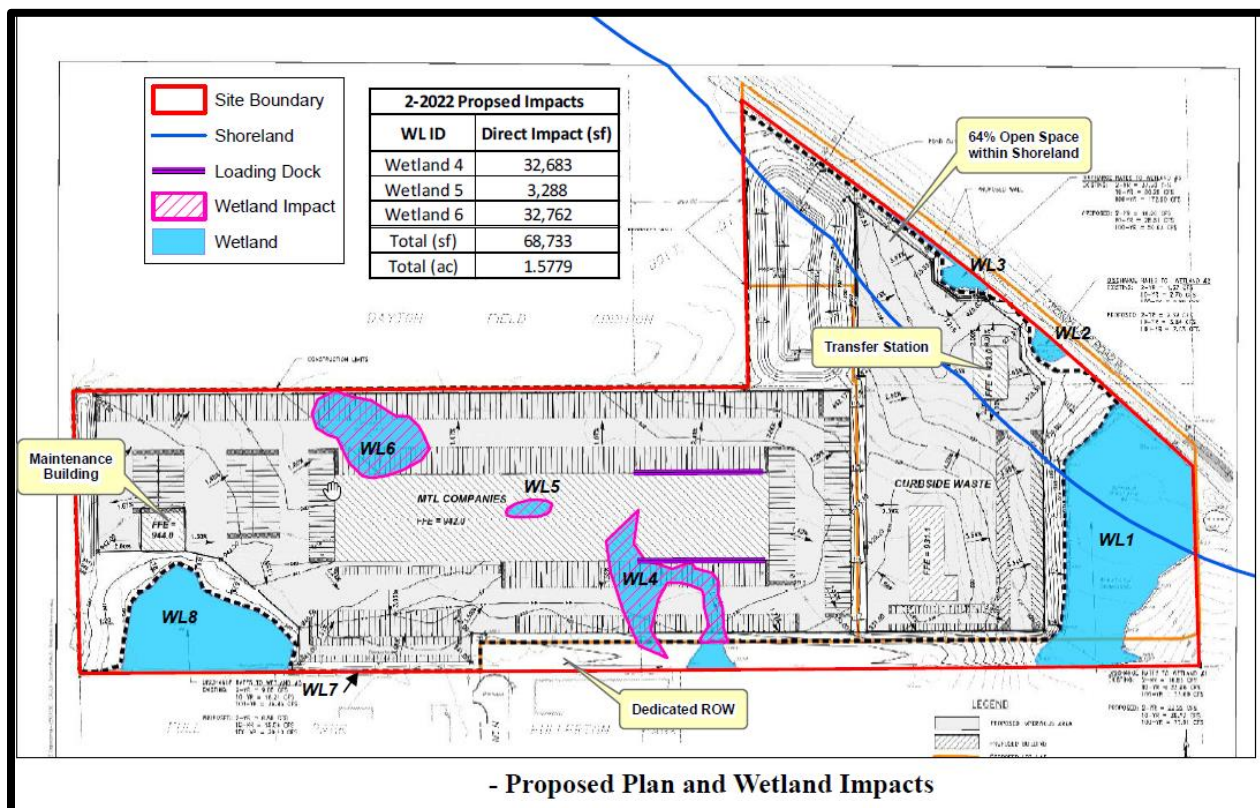


Figure 5 Wetland Overview Plan



elm creek Watershed Management Commission

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

Sota Shine of Maple Grove Maple Grove Project #2023-006

Project Overview:

Location: The project is located within the City of Maple Grove, south of the intersection of Country Road (CR) 101 and Bass Lake Road (CR 10).

Purpose: This project is the development of a parcel (3011922330010) within the Market of Rush Creek Development which was previously approved (2016-002). The development includes car wash facility including a new building and associated parking.

WMC Rules Triggered:

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:	Frana Companies	Attention:	Boyd Netley
Address:	633 Second Ave. S. Hopkins, MN 55343	Phone:	(651) 295-2459
		Email:	bnetley@frana.com
Agent:	Westwood Professional Service, Inc.	Attention:	Shari Lynn Ahrens
Address:	12701 Whitewater Drive, Ste. 300 Minnetonka, MN 55343	Phone:	(952) 937-5150
		Email:	

Exhibits:	Description	Date Received
Application	<input checked="" type="checkbox"/> Complete ECWMC Application	March 31, 2023
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	March 31, 2023
	<input checked="" type="checkbox"/> City authorization: Maple Grove, MN	March 31, 2023
	<input checked="" type="checkbox"/> Review fee: \$675.00	March 31, 2023
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	March 31, 2023

Submittals

1. Construction Plan Set, signed and dated March 17, 2022, prepared by Westwood Professional Services, Inc.
2. ECWMC Application signed by the City of Maple Grove, dated March 31, 2023.

Findings

General

1. A complete application was received March 31, 2023. The 60-day decision period per MN Statute 15.99 expires May 30, 2023.
2. The project will disturb approximately 1.51 acres of a 1.51-acre site (Outlot C) within The Markets at Rush Creek development, which was approved by the Commission in 2016 (ECWMC 2016-002).
 - a. The site drains south and discharges to the City of Maple Grove Stormsewer
3. The proposed project will develop the Outlet into a car wash with associated parking and stormsewer.
4. The development will create 0.91-acres of impervious area, 0.91-acres of which is net, new impervious.
5. Runoff from impervious surfaces will be routed to a biofiltration basin via stormsewer within Alvarado Lane N.
6. Initial grading for Outlot I was completed in 2016 during the first phase of The Markets at Rush Creek development.

Rule D – Stormwater Management

General

1. The proposed project will disturb approximately 1.51-acres and create 0.91-acres of impervious surface, all of which is net, new impervious area.
2. Runoff from impervious surfaces will be routed to a biofiltration basin via stormsewer within Alvarado Lane N.
3. Outlot C was approved to be routed to the biofiltration basin to the south of the Outlot. The 2016-002 project review outlined treatment for Outlet C to be 85% impervious surface. The proposed Sota Shine site will be 60% impervious, which is below the 85% impervious surface coverage that was approved for this Outlot C.

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. Rock construction entrance
 - b. Silt fence and sediment bio-roll
 - c. Catch basin inlet protection
 - d. Permanent erosion control devices
 - e. Stabilization of disturbed soil areas

Recommendation

Administrative/Staff Approval for Erosion Control with no conditions.

On Behalf of Stantec Consulting Services, Inc.
Advisor to the Commission



Date 4/10/2023

Attachments

Figure 1	Project Location
Figure 2	Proposed Drainage Map (Approved as ECWMC 2016-002)
Figure 3	Erosion Control Plan

Figure 1 Project Location (PID 3011922330010)



Figure 2 Proposed Drainage Map (Approved as ECWMC 2016-002)

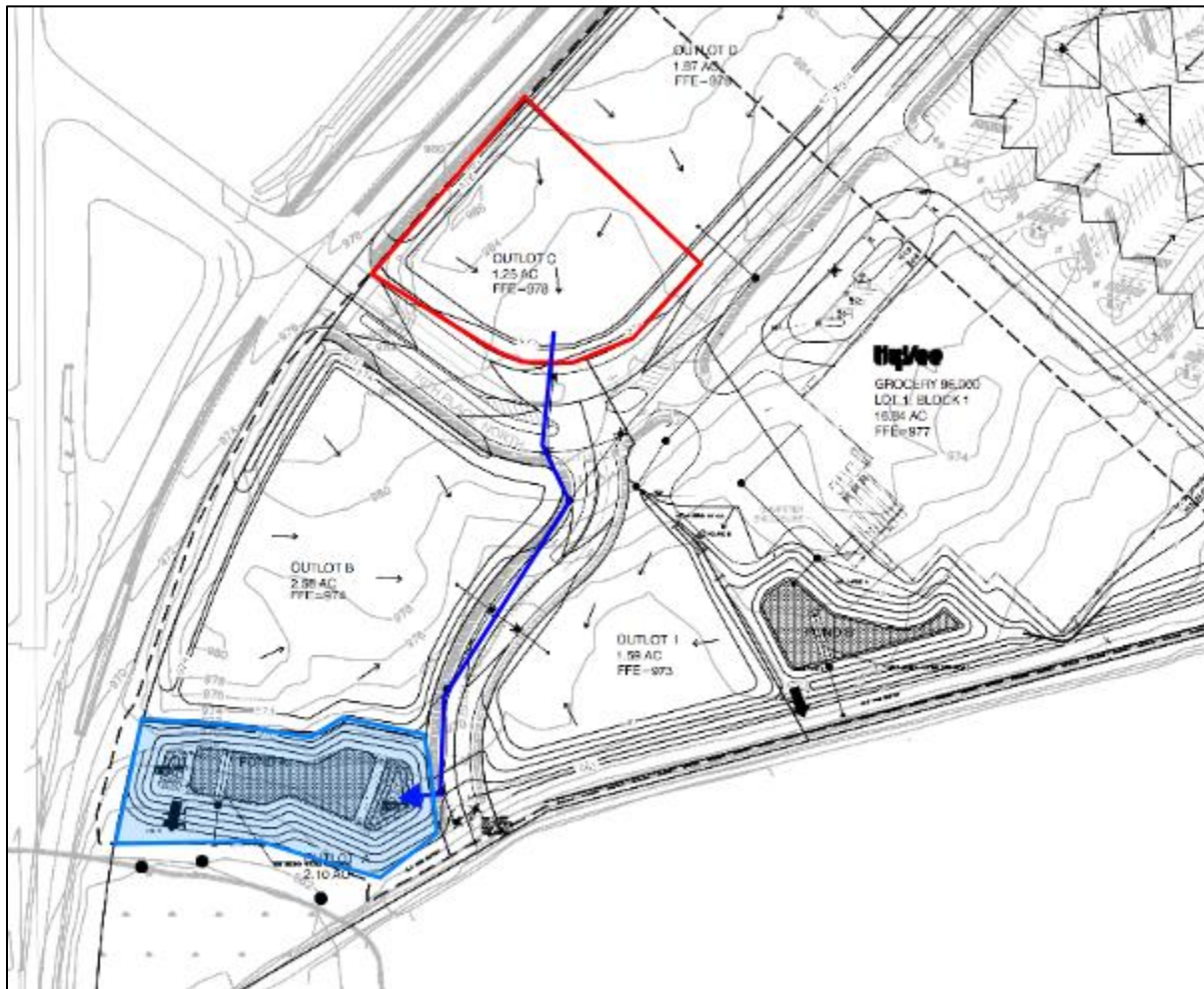


Figure 3 Erosion Control Plan

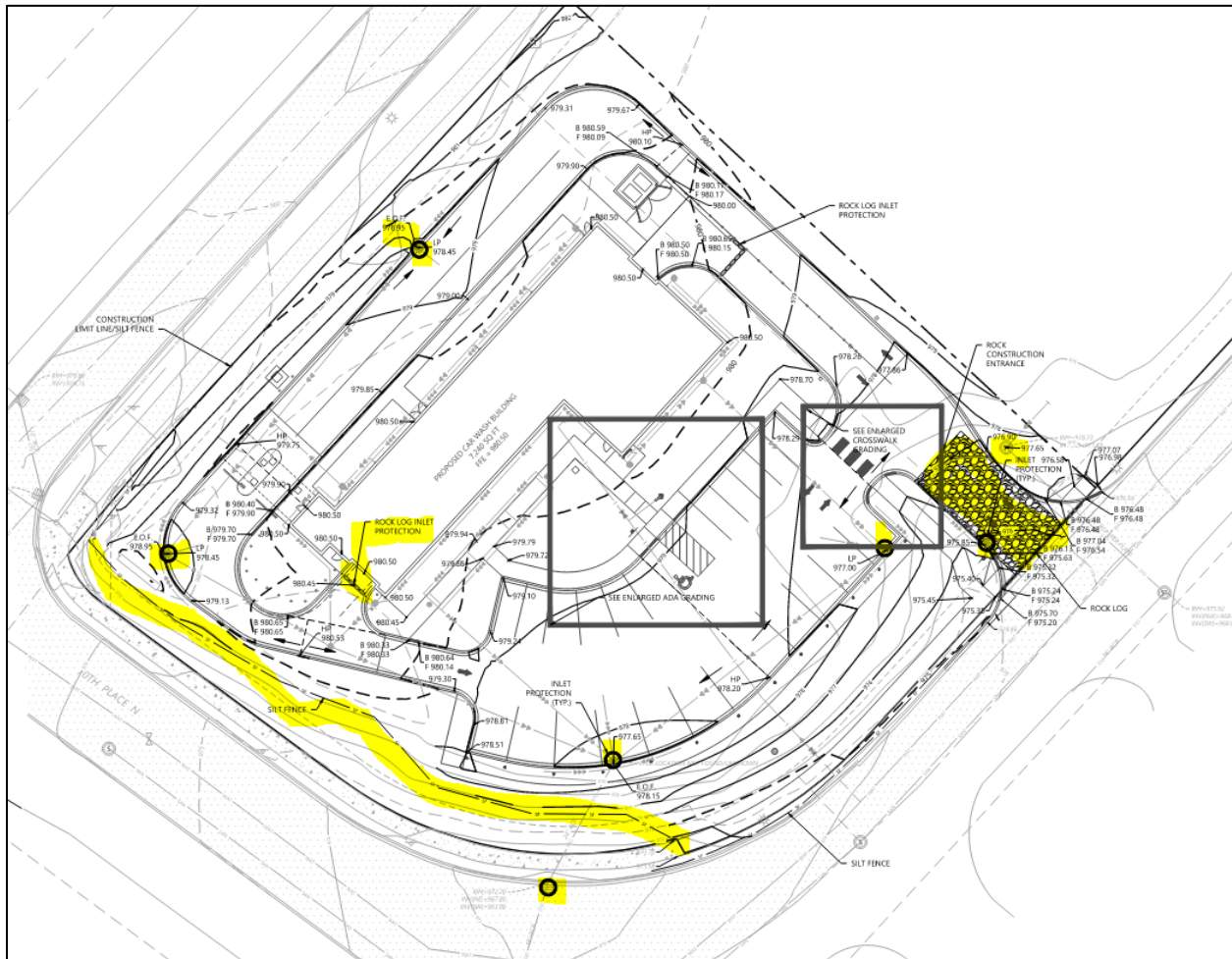


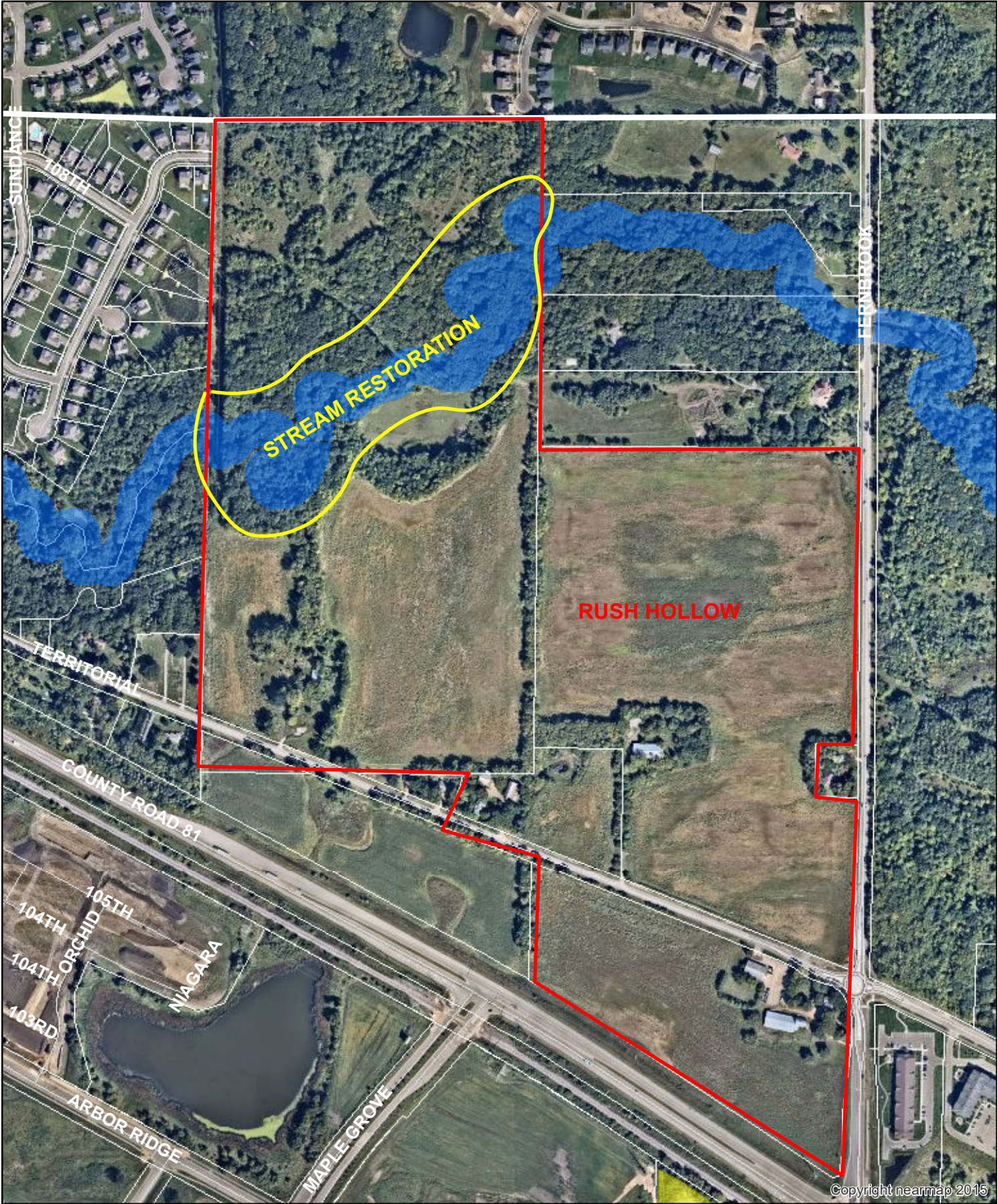
EXHIBIT A

Elm Creek Watershed Management Commission
Capital Improvement Project Submittal

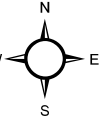
*(This submittal will be rated on its completeness and adherence to the goals of the Commission.
 A second page may be used to provide complete responses.)*

City	Maple Grove	
Contact Name	Derek Asche	
Telephone	763.494.6354	
Email	dasche@maplegrovern.gov	
Address	12800 Arbor Lakes Parkway, Maple Grove, MN, 55369	
Project Name	Rush Creek Stream Restoration – Rush Hollow	
Project Location	Rush Creek between Orchid and Fernbrook Lanes	
	1. Is project in Member's CIP? () yes (X) no	Proposed CIP Year = 2024
	2. Has a feasibility study or an engineering report (circle one) been done for this project? (X) yes () no	
		Amount
	Total Estimated Project Cost	\$1,600,000.00
	Estimated Commission Share (up to 25%, not to exceed \$250,000)	\$400,000.00
	Other Funding Sources (name them) City of Maple Grove and other grant programs	\$1,200,000.00
		\$
	3. What is the scope of the project? Stream restoration and erosion repair adjacent to the Rush Hollow development between approximately Orchid Lane and Fernbrook Lane for 4,000 linier feet.	
	4. What is the purpose of the project? What water resource(s) will be impacted by the project? The MPCA has identified altered hydrology, altered physical habitat, and excess phosphorus as primary stressors in this reach. Improvements benefit the 4,000 LF of stream, riparian area and downstream resources.	
	5. What is the anticipated improvement that would result from the project? (Include size of area treated and projected nutrient reduction.) Estimated phosphorus reduction of 200 lbs per year, improved riparian environment, improved floodplain connectivity, improved recreation and access to the creek, improved education.	
	6. How does the project contribute to achieving the goals and programs of the Commission? The Commission has long supported projects in communities that will improve water resources to reduce or prevent impairments and to reach goals of Total Maximum Daily Load Plans.	
0/10	7. Does the project result from a regulatory mandate? (X) yes () no How? Water quality improvements based on approved TMDL's and MS4 mandates	
0/10/20	8. Does the project address one or more TMDL requirements? (X) yes () no Which? This stretch of Rush Creek is impaired for aquatic life & aquatic recreation. Stream restoration will improve both.	
0/10/20	9. Does the project have an educational component? (X) yes () no Describe. A proposed Three Rivers Park District Regional Trail will cross this segment of creek allowing for public access to the newly restored creek. Additional education components can be added.	
0/10	10. Do all the LGUs responsible for sharing in the cost of the project agree to go forward with this project? (X) yes () no Identify the LGUs. Maple Grove	
10/20	11. Is the project in all the LGUs' CIPs? () yes (X) no Only because Maple Grove has not historically developed capital improvement programming for water resources.	
1-34	(For TAC use) 12. Does project improve water quality? (0-10) 13. Prevent or correct erosion? (0-10) 14. Prevent flooding? (0-5)	15. Promote groundwater recharge? (0-3) 16. Protect and enhance fish and wildlife habitat? (0-3) 17. Improve or create water recreation facilities? (0-3)
TOTAL (poss 114)		Adopted April 11, 2012 Revised May 2019

RUSH CREEK STREAM RESTORATION



Disclaimer
This [map/data] (i) is furnished "AS IS" with no representation as to completeness or accuracy; (ii) is furnished with no warranty of any kind; and (iii) is not suitable for legal, engineering or surveying purposes. Maple Grove shall not be liable for any damage, injury or loss resulting from this [map/data].



4.2 Sanitary Sewer

Eight-inch and 10-inch sanitary sewer mains are proposed throughout the Rush Hollow development and will connect to the existing Met Council main line paralleling County Road 81. There will also be a portion of the development north of the creek that will connect to a sanitary sewer stub from the Enclave on Rush Creek development. Four-inch sanitary sewer services will be installed for each single-family unit. Eight-inch sanitary stubs will also be provided for future development within the area. A stub will be provided in multiple locations for future development in the area.

The proposed sanitary improvements are shown on **Figure 3** in **Appendix A**.

4.3 Watermain

Eight-inch watermain will be extended throughout the development south of Rush Creek with 8-inch and 16-inch watermain north of Rush Creek. The 16-inch watermain extension will complete the primary water connection from the Enclave on Rush Creek development to the Sundance Greens development in Dayton. A 1-inch water service will be provided for each single-family unit and townhome. Hydrants will be spaced appropriately to provide fire protection to the development and allow for watermain flushing. A stub will be provided in multiple locations for future development in the area.

The proposed watermain improvements are shown on **Figure 3** in **Appendix A**.

4.4 Stormwater

The overall drainage patterns will remain largely unchanged for the Rush Hollow area. The proposed storm sewer improvements will meet the Elm Creek Watershed Management Commission (ECWMC) requirements, the City of Maple Grove stormwater requirements, and the MPCA NPDES Construction Permit for the improvements related to the development.

The stormwater improvements can be found on **Figure 2.1** in **Appendix A**.

4.4a. Lateral Improvements

Storm sewer will be constructed to collect and convey stormwater from the Rush Hollow Development. This storm sewer will convey water to regional BMPs that are planned for construction that will provide stormwater treatment for the development as well as portions of Territorial Road and Maple Grove Parkway.

Multiple stormwater basins are being proposed to achieve the stormwater management requirements as well as help reduce flood potential in the project area. All overflow structures from the storm water ponds are proposed to discharge to Rush Creek or wetlands in the area.

The proposed storm sewer improvements are shown on **Figure 2.1** in **Appendix A**.

4.4b. Rush Creek Streambank Stabilization

Stabilization improvements are proposed on Rush Creek, which runs through the northern portion of the proposed development. The proposed improvements will be needed along the 3,500 feet of Rush Creek that is within the project boundary. In the spring when the snow has melted, a site visit will be completed in order to confirm and refine the areas along the creek where restoration is needed. Rush Creek is a DNR public waterway, so stabilization of the creek will require DNR permitting as noted in a later section.

Proposed improvements along this tributary consist of hard armoring, soft armoring, and hybrid techniques. Hard armoring techniques include riprap along the toe of slope and streambanks. The in-stream stabilization of rock riffles may be used to increase dissolved oxygen and distribute flow across the channel in a consistent manner. Soft armoring of the creek and the ravine will include vegetated reinforced soil slopes and bank shaping with installations of tree trunks anchored into the toe of the slope, root wads and toe wood in eroding areas. Plantings for the ravine will be live stakes, willow stakes, and natural vegetation seed mixes. Hybrid techniques will include a combination of these improvements. The improvements will result in a stabilized channel that restores many of the natural characteristics and habitat of this area. It will also help reduce sedimentation to the currently impaired Rush Creek.

Rush Creek is proposed to be within multiple outlots throughout the development. Some tree removal is anticipated to be needed to allow for construction of the streambank stabilization. High-value trees will be avoided as much as feasible.

EXHIBIT A

Elm Creek Watershed Management Commission

Capital Improvement Project Submittal

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

City	Hennepin County	
Contact Name	Kris Guentzel	
Telephone	612-596-1171	
Email	Kristopher.guentzel@hennepin.us	
Address	701 4 th Avenue South, Minneapolis 55415	
Project Name	BMPs in Diamond Creek and Headwaters of Rush Creek Priority Subwatersheds	
Project Location	Cities of Corcoran, Dayton, and Rogers	
	1. Is project in Member's CIP? () yes (X) no	Proposed CIP Year = 2023
	2. Has a feasibility study or an engineering report (circle one) been done for this project? (X) yes () no	
		Amount
	Total Estimated Project Cost	\$103,527
	Estimated Commission Share (up to 25%, not to exceed \$250,000)	\$20,000
	Other Funding Sources (name them): WBIF Grant (amount not yet encumbered)	\$56,940
	Hennepin County (installation + design contribution)	\$20,000
	Landowners (cash or in-kind)	\$12,000
	3. What is the scope of the project? Install cost-effective best management practices (BMPs) to improve water quality of two impaired watercourses: Headwaters of Rush Creek and Diamond Creek. Subwatersheds assessments have been completed for both of these project areas and county staff are conducting outreach to determine which landowners would be interested in implementing BMPs identified in the reports. CIP request is ONLY for covering additional costs once the existing agricultural BMP CIP projects (2020-01 and 2020-02) are fully drawn down, up to the full amount we can match on the watershed-based implementation fund (WBIF) grant and through county and landowner funds.	
	4. What is the purpose of the project? What water resource(s) will be impacted by the project? This project seeks to address total maximum daily load (TMDL) allocations set for watercourses and waterbodies listed as impaired by the MN Pollution Control Agency (MPCA), and to improve water quality for all receiving waters in these priority subwatersheds. Installed BMPs will be chosen based on effectiveness for reducing sediment and nutrient loading to either the Headwaters of Rush Creek or Diamond Creek. Depending on the location of the BMP, sediment and nutrient loading could be reduced to other impaired waterbodies including Diamond Lake and French Lake.	
	5. What is the anticipated improvement that would result from the project? (Include size of area treated and projected nutrient reduction.) Overall water quality benefit will depend on the BMPs that are installed, which is not yet determined as outreach is ongoing. BMPs will be considered favorable if cost-benefit, as estimated in the subwatershed assessment for each subwatershed, is on par with the highest ranking BMPs in the assessment. Projects currently being developed and implemented have averaged \$385/lb-phosphorus and \$502/ton-sediment over the estimated life cycle of the project. Overall phosphorus and sediment reductions may approach the benefit achieved from implementation of the Rush Creek Headwaters Clean Water Fund Grant: 111 lbs-phosphorus/year.	
	6. How does the project contribute to achieving the goals and programs of the Commission? By implementing BMPs that address sediment erosion, reduce nutrient loading, and detain runoff to better attenuate stormwater flow to water resources this project addresses several goals in the Commission's 3 rd generation planning, including: (1) Goal A.4 to reduce peak flow rates in Elm, Diamond, and Rush Creeks...; (2) Goal B.1 to improve total phosphorus concentration in the impaired lakes by 10%...; (3) Goal D.2 to promote the enhancement or restoration of wetlands in the watershed; and (4) Goal F.2 to foster implementation of priority TMDL and other implementation projects by sharing in their costs.	
0/10	7. Does the project result from a regulatory mandate? () yes (X) no How?	
0/10/20	8. Does the project address one or more TMDL requirements? (X) yes () no Which? Diamond Creek TMDL for low dissolved oxygen (DO), e Coli, Fish & Macroinvertebrate Index of Biotic Integrity (IBI), Rush Creek Headwaters TMDL for low DO, Fish & Macroinvertebrate IBI, Diamond Lake TMDL for nutrients	

0/10/20	<p>9. Does the project have an educational component? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no Describe.</p> <p>Education components are largely, but not exclusively, in-person one-on-one instruction with landowners and operators about strategies for addressing erosion and nutrient loading. Many interactions don't lead to partnership-funded implementation but may lead to landowner-driven implementation or behavior change that also provides a positive environmental outcome. Hennepin County is also planning for and conducting in-person events in these areas that may be attended by landowners and operators in these subwatersheds.</p>	
0/10	<p>10. Do all the LGUs responsible for sharing in the cost of the project agree to go forward with this project? (<input checked="" type="checkbox"/>) yes (<input type="checkbox"/>) no Identify the LGUs. Hennepin County, Commission and cities (Corcoran, Dayton, and Rogers) through previous direction provided during Commission meetings.</p>	
10/20	<p>11. Is the project in all the LGUs' CIPs? (<input type="checkbox"/>) yes (<input checked="" type="checkbox"/>) no</p>	
1-34	<p>(For TAC use)</p> <p>12. Does project improve water quality? (0-10)</p> <p>13. Prevent or correct erosion? (0-10)</p> <p>14. Prevent flooding? (0-5)</p>	<p>15. Promote groundwater recharge? (0-3)</p> <p>16. Protect and enhance fish and wildlife habitat? (0-3)</p> <p>17. Improve or create water recreation facilities? (0-3)</p>
TOTAL (poss 114)		Adopted April 11, 2012 Revised May 2019

Z:\ELM CREEK\MANAGEMENT PLAN\EXHIBIT A_APRIL 2012F.DOC

To: Elm Creek WMO Commissioners
Elm Creek TAC

From: Erik Megow, PE
Diane Spector

Date: May 2, 2023

Subject: Initiate Plan Amendment for CIP Revisions

**Recommended TAC/
Commission Action**

Staff recommends that the Commission authorize proceeding with the attached Minor Plan Amendment and set the date for the required public meeting as the June 14, 2023, regular meeting.

The preliminary CIP considered at the April meeting was circulated to the cities, who proposed revisions and requested one addition. The Commission's Third Generation Plan provides for certain types of revisions to the CIP to be done without formally amending the plan, such as moving projects between years or deleting projects. However, adding a new project to the CIP does require that the Commission proceed with a Minor Plan Amendment.

The City of Maple Grove has requested that one new project be added to the CIP for 2024: Rush Creek Stabilization-Rush Hollow. This is a proposed restoration of about 4,000 LF of Rush Creek between Orchid lane and Fernbrook Lane, just upstream of the Elm Creek Park Reserve (see attached).

If the Commission chooses to go forward with the Minor Plan Amendment, we recommend **setting June 14, 2023** as the public meeting at which it would be discussed. At that meeting, the Commission would discuss the proposed 2023 CIP and establish a maximum levy for 2023. The Minor Plan amendment and maximum levy would then be forwarded to Hennepin County for consideration by the Hennepin County Board.

Attached is the proposed Notice of Minor Plan Amendment. The Commission must send a copy of the proposed minor plan amendment to the member cities, Hennepin County, the Met Council, and the state review agencies for review and comment, and must hold a public meeting (not a hearing) to explain the amendment. This meeting must be public noticed twice, at least seven and 14 days prior to the meeting.

This revision would not impact the proposed 2023 CIP. The draft 2023 CIP shown in Table 1 includes the second half of the South Fork Rush Creek Restoration Project initiated by Maple Grove last year; the Commission's contribution toward work on two major ravines along CSAH 12; and a pond expansion project in downtown Rogers. The Commission has previously received feasibility projects for the first two projects, and Rogers will present findings prior to the Public Hearing later this year.

Also for reference is Table 2, the current proposed Capital Improvement Program as amended and revised.

Table 1. Potential 2023 CIP and levy.

Project	City	Commission Share	Levy
S Fork Rush Creek Stream Restoration	Maple Grove	\$406,250	\$430,828
CSAH 12/Dayton Rd Ravine Stabilization	Dayton	110,000	116,655
Downtown Pond Expansion and Reuse	Rogers	101,500	107,640
City Cost Share	Various	100,000	106,500
Partnership Cost Share	Various	50,000	53,250
TOTAL		\$767,750	\$814,873

**Notice of Minor Plan Amendment
Elm Creek Watershed Management Commission**

The Elm Creek Watershed Management Commission proposes to amend its *Third Generation Watershed Management Plan* to adopt a revision to Table 4.5 of that document - the Capital Improvement Program (CIP) – to add one project and to revise Appendix G, to add a description of that project.

The proposed minor plan revision is shown as additions (underlined) or deletions (~~strike outs~~).

Table 4.5. Elm Creek WMC Third Generation Plan Capital Improvement Program is hereby revised to add the following:

<u>Description</u>	<u>Location</u>	<u>Priority</u>	<u>Project Cost</u>	<u>Partners</u>	<u>Funding Source(s)</u>	<u>Commission Share</u>
						<u>2024</u>
<u>Rush Creek Stream Restoration-Rush Hollow</u>	<u>Maple Grove</u>	<u>H</u>	<u>\$1,600,000</u>	<u>Maple Grove</u>	<u>City, levy</u>	<u>\$400,000</u>

Appendix G, CIP Descriptions is hereby revised as follows:

Rush Creek Stream Restoration-Rush Hollow. Stream restoration and erosion repair from Orchid Ln to Fernbrook Ln, approximately 4,000 linear feet. Estimated phosphorus reduction of 200 lbs per year, improved riparian environment, improved floodplain connectivity, improved recreation and access to the creek, and improved education.

Table 1. Elm Creek Third Generation Plan CIP as of May 2023.

CAPITAL IMPROVEMENT PROGRAM	Location	2022	2023	2024	2025	Future	Comments
<i>Cost Share Program</i>	Varies	200,000	200,000	200,000	200,000	200,000	
Commission Contribution		100,000	100,000	100,000	100,000	100,000	
Local Contribution		100,000	100,000	100,000	100,000	100,000	
<i>Partnership Cost-Share BMP Projects</i>	Varies	50,000	50,000	50,000	50,000	50,000	
Commission Contribution		50,000	50,000	50,000	50,000	50,000	
Local Contribution		0	0	0	0	0	
<i>S Fork Rush Creek Restoration</i>	Maple Grove		3,250,000				
Commission Contribution		406,250	406,250				
Local Contribution			2,437,500				
<i>CSAH 12/Dayton River Rd Ravine Stab</i>	Dayton		1,329,400				
Commission Contribution			110,000				
Local Contribution			1,219,400				
<i>Downtown Pond Expansion & Reuse</i>	Rogers		406,000				City is just starting feasibility
Commission Contribution			101,500				
Local Contribution			304,500				
<u><i>Rush Creek Resto- Rush Hollow</i></u>	<u>Maple Grove</u>			<u>1,600,000</u>			<u>Orchid Ln to Fernbrook Ln</u>
<u>Commission Contribution</u>				<u>400,000</u>			
<u>Local Contribution</u>				<u>1,200,000</u>			
<i>Fox Cr, South Pointe</i>	Rogers			90,000			Potentially a cost share project
Commission Contribution				22,500			
Local Contribution				67,500			
<i>Lowell Pond Rain Garden</i>	Champlin			400,000			
Commission Contribution				100,000			
Local Contribution				300,000			
<i>The Meadows Playfield</i>	Plymouth			5,300,000			
Commission Contribution				250,000			
Local Contribution				5,050,000			
<i>Brockton Ln WQ Improv</i>	Plymouth			150,000			
Commission Contribution				37,500			Potentially a cost share project
Local Contribution				112,500			

CAPITAL IMPROVEMENT PROGRAM	Location	2022	2023	2024	2025	Future	Comments
Reconstruct Bridge@ Cartway/Elm Cr	Champlin			950,000			
Commission Contribution				237,500			
Local Contribution				712,500			
Oxbow Tr Rush Ck Stabil (3 Rivers)	Maple Grove			100,000			Eastman Nature Ctr
Commission Contribution				25,000			Potentially a cost share project
Local Contribution				75,000			
<i>Ranchview Wetland Restoration</i>	Maple Grove					2,500,000	
Commission Contribution						250,000	
Local Contribution						2,250,000	
<i>Goose Lake Rd Area Infiltr Improv</i>	Champlin					200,000	
Commission Contribution						50,000	
Local Contribution						150,000	
<i>Mill Pond BMPs Water Quality Proj Area</i>	Champlin					200,000	
Commission Contribution						50,000	
Local Contribution						150,000	
<i>Lemans Lake Water Quality Impr</i>	Champlin					100,000	
Commission Contribution						25,000	
Local Contribution						75,000	
TOTAL PROJECT COST		250,000	5,235,400	7,150,000	250,000	3,250,000	
TOTAL COMMISSION SHARE		556,250	767,750	800,000	150,000	525,000	
TOTAL CITY SHARE		100,000	4,061,400	6,350,000	100,000	2,725,000	

To: Elm Creek WMO Commissioners/TAC

From: Budget Committee

Date: May 2, 2023

Subject: Proposed 2024 Budget

**Recommended
Commission Action**

Review and discuss. You may move adoption of the proposed 2024 budget with any proposed revisions from the floor or hold over for action at the June 14 meeting.

According to the Joint Powers Agreement, the Commission must on or before June 15 of each year adopt a budget for the coming year. Typically, the Commission considers a preliminary budget in May of each year, either adopting it at the May meeting or holding over action to the June meeting. The budget must be transmitted along with notice of the apportionment of costs to each city by July 1. Member cities then have until August 15 to comment on or raise objections to the budget. If no objections are submitted, the budget proceeds as adopted. If objections are submitted in writing, then the Commission must hold a public hearing to consider modifying the budget or proceeding with no change.

The draft budget is presented to you for your review and discussion. If you are comfortable, you may elect to adopt the budget with any revisions agreed to at the May 10 meeting, or you may hold over approval until the June 14 meeting. The proposed budget shown in Table 1 is reformatted from what you have considered in previous years in that it separates out the operating expenses from the capital and other non-operating expenses and revenues. This will allow you to more clearly determine if your assessments and project review fees are adequately funding operating expenses, or whether you are operating a deficit or surplus. It is analogous to a General Fund budget rather than an all funds, balance sheet style used in previous years.

The 2024 budget as proposed is a continuation of the programs and activities undertaken in 2022, with some slight modifications. Figure 1 shows the proposed operating budget by expenditure category, while Table 1 shows the proposed operating and projects budget by line item. The overall proposed 2024 operating budget is about a \$5,500 increase over the 2023 budget. However, some budget modifications are proposed:

1. The budget includes a proposed increase in the contract amount with Hennepin County to provide outreach and technical services, largely to agricultural and large-lot residential property owners but generally and across the watershed. The requested increase to \$22,000 compared to the approved 2023 contract amount of \$20,000 would allow for an increased commitment toward this work and is offset by the elimination of the Wetland Health Evaluation Program, for which the Commission had been budgeting \$4,000 annually.
2. We continue to review the adequacy of the project review fees to recapture the cost of administering the new fee structure. It is likely that we will need to increase the nonrefundable administration fee for 2024, and we will bring a more complete review of project review costs

and fees to a later meeting. There will always be some project review related expenses that are not recoverable through review fees. This budget assumes 50 project reviews in 2024, and that the fee structure will be revised to better capture the cost of administering the program.

3. In 2023 the Commission budget for biological monitoring on streams in the watershed as a follow up to stream restoration projects. That funding was not included in the 2024 budget, pending a review of monitoring needs as part of the proposed TMDL ten-year review.
4. Some adjustments have been made to individual line items based on past experience and based on the increasing cost of doing business.
5. One source of revenue that has in the past helped to subsidize the member assessments is investment interest. A combination of higher interest rates and a significant fund balance resulted in several thousand dollars of interest income in past years. As projects are completed and the Commission pays out levy and grant funds for those projects, interest earnings will fall.

The 2024 budget as proposed includes no increase in city assessments (Table 3). Last year, following several years of no or minimal assessment increases, they were increased by 5.4%. As can be seen on the bottom line of Table 1, in previous years the operating budget was running at a deficit, subsidized by contributions from the cash reserves. The proposed 2024 budget assumes a small surplus, assuming the Commission continues to benefit from interest earnings.

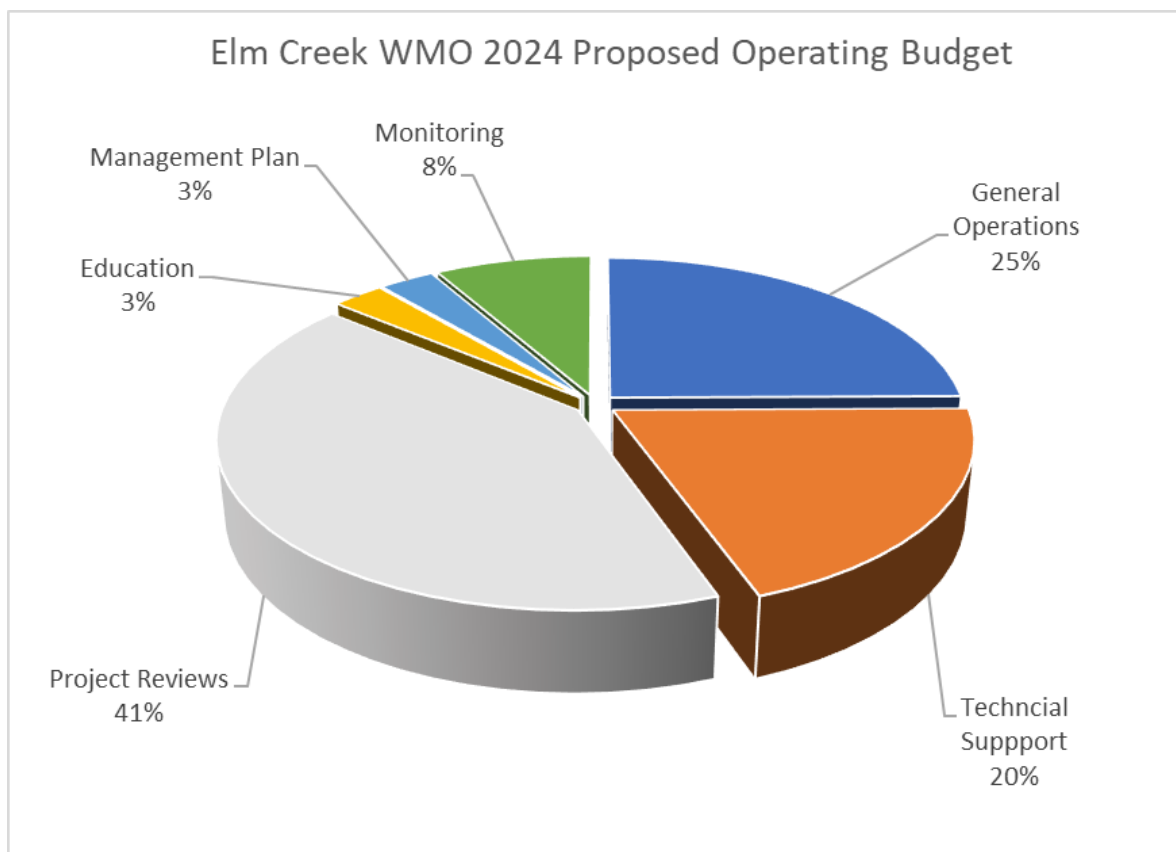


Figure 1. Proposed 2024 operating budget by expenditure category.

Table 1. Proposed 2024 budget.

Line	Category	2022 Budget	2022 Pre- Audit	2023 Budget	Proposed 2024 Budget
EXPENSES					
GENERAL OPERATING EXPENSES					
1	Administrative	95,000	117,893	100,000	100,000
2	Grant Writing	500	0	0	3,000
3	Website	3,000	731	2,000	2,000
4	Legal Services	2,000	744	2,000	2,000
5	Audit	6,000	6,700	6,500	7,000
6	Insurance	3,800	2,978	4,000	4,000
7	Meeting Expense	0	1,250	0	4,800
8	Contingency	1,000	0	0	0
	Subtotal General Operating Expenses	\$111,300	\$130,296	\$114,500	\$122,800
TECHNICAL SUPPORT					
9	Tech support - HCEE	12,000	17,000	20,000	22,000
10	Generation Technical Services	77,500	82,590	70,000	75,000
	Subtotal Technical Support	\$89,500	\$99,590	\$90,000	\$97,000
PROJECT REVIEWS					
11	Technical Reviews	107,500	188,032	184,000	184,000
12	Administrative Support	15,000	22,703	16,000	21,250
13	WCA	0	505	0	0
	Subtotal Project Reviews	\$122,500	\$211,240	\$200,000	\$205,250
EDUCATION					
14	Education - City/Citizen Programs	2,500	1,262	2,000	2,000
15	West Metro Water Alliance	11,500	7,000	11,500	11,500
	Subtotal Education	\$14,000	\$8,262	\$13,500	\$13,500
WATERSHED MANAGEMENT PLAN					
16	Plan Amendments	2,000	1,158	2,000	2,000
17	Contribution to 4th Generation Plan	12,500	12,500	12,500	12,500
	Subtotal Watershed Management Plan	\$14,500	\$13,658	\$14,500	\$14,500
WATER MONITORING PROGRAMS					
	<i>Stream Monitoring</i>				
18	USGS Site Share	24,000	12,500	24,000	12,500
19	TRPD-Routine Monitoring	9,345	9,345	10,020	10,020
20	Biological Monitoring			4,500	0
21	DO Longitudinal Survey	1,200	0	2,400	2,400
22	Partnership Biomonitoring			2,000	0
23	Gauging Station - Electric Bill	420	368	440	480
	Subtotal Stream Monitoring	\$34,965	\$22,213	\$43,360	\$25,400
	<i>Lake Monitoring</i>				
24	CAMP	840	0	840	840
	TRPD				
25	Sentinel Lakes + Additional Lake	9,812	9,812	10,412	10,412
26	Aquatic Vegetation Surveys	1,300	1,300	1,365	1,365
	Subtotal Lake Monitoring	\$11,952	\$11,112	\$12,617	\$12,617

Line	Category	2022 Budget	2022 Pre-Audit	2023 Budget	Proposed 2024 Budget
	<i>Other Monitoring</i>				
27	Macroinvertebrate Monitoring-River Watch	3,000	0	0	3,000
28	Wetland Monitoring - WHEP	4,000	0	0	0
	Subtotal Other Monitoring	\$7,000	0	\$0	3,000
	Subtotal Monitoring Expense	\$50,917	\$33,325	\$55,977	\$41,107
	SPECIAL PROJECTS, STUDIES, SWAs				
29	Special Projects, Studies, SWAs -	\$ 0	\$0	\$0	\$0
	TOTAL GEN OPERATING EXP	\$405,717	\$496,371	\$488,477	\$494,067
	REVENUE				
	GENERAL OPERATING REVENUE				
30	Membership Dues	237,300	237,300	250,000	250,000
31	Interest Income	5,000	26,636	500	10,000
32	Dividend Income	250		250	0
33	TRPD Cooperative Agreement	6,000	4,165	6,500	6,500
	Subtotal General Operating Revenue	\$248,550	\$268,101	\$257,250	\$266,500
	PROJECT REVIEW REVENUE				
34	Project Review Fees	107,500	169,720	184,000	184,000
35	Contingency	10,750			
36	Nonrefundable Admin	15,000	13,800	16,000	21,250
37	Nonrefundable Tech	16,125	20,700	17,000	27,600
	Subtotal Project Review Revenue	\$149,375	\$204,220	\$217,000	\$232,850
	SPECIAL PROJECTS, STUDIES, SWAs REVENUE				
38	Special Projects, Studies, SWAs	0	0	0	0
	TOTAL GEN OPERATING REVENUE	\$397,925	\$472,321	\$474,250	\$499,350
	OPERATING SURPLUS OR (DEFICIT)	(\$7,792)	(\$24,050)	(\$14,227)	\$5,283

2024 Budget Explanation

Line	Comment
EXPENSES	
1	This line item is to provide administrative support (scheduling, minutes, etc.) for regular Commission and TAC meetings and any Commission, TAC, or other meetings that require support, as well as general administrative duties such as notices, mailings, and correspondence.
2	The cost of writing grants and doing grant reporting.
3	The annual cost of hosting the Commission's website and general content updates.
4	The legal cost of reviewing, drafting policies and variances, reviewing contracts and agreements.
5-6	The cost of the required annual financial audit and insurance.
7	The cost of room rental and lunch for the monthly meetings.
8	A line item for unexpected expenses. Was discontinued in 2023 as the Commission's unrestricted fund reserves are adequate to provide for those unanticipated costs.
9	The annual contract cost for education and outreach activities provided by Hennepin County Environment and Energy (HCEE) staff working with landowners to address erosion issues and implement conservation. Public engagement, answering landowner's general land and water resource

Line	Comment
	management questions, and best management practice (BMP) project development, design, and construction. Proposed to increase from the 2023 contracted amount of \$20,000 to \$22,000.
10	This line item is for general engineering support, including preparation for and attendance at Commission and TAC meetings, general technical and engineering assistance, special projects, assistance with the budget and CIP, etc.
11	This line item is for project reviews, review of Local Water Management Plans and Comprehensive Plan amendments and updates, and general inquiries about past and upcoming projects. It is difficult to predict what the expense for a coming year will be, as it is based on the number of project reviews, inquiries, etc. received. The proposed budget is based on the increasing number of project reviews each year. This expenditure is mostly offset by the project review fees.
12	This line item is for administrative support of project reviews, including correspondence, tracking, bookkeeping, and invoicing. This expenditure is mostly offset by the project review fees.
13	The Commission no longer acts as the Wetland Conservation Act (WCA) administrator for wetland impacts, so these line items simply show previous years' expenses.
14	Ongoing outreach and education costs not undertaken through WMWA.
15	The Commission participates in the West Metro Water Alliance (WMWA), and contributes to funds to support coordinated messaging, workshops, classroom activities, and special projects on a regional basis.
16	The cost of undertaking periodic minor plan amendments, usually to revise the CIP or adjust the development rules and standards. Cost is typically publication costs and staff time to develop the amendment documents.
17	The Commission's 3 rd Generation Plan expires on October 23, 2025. Work on the 4 th Generation Plan should commence by early 2024. Funds are set aside annually in a restricted account for this purpose.
18	The Commission jointly funds the operation of the USGS gauging station in Elm Creek Park near Elm Creek Road.
19	The Commission contracts with Three Rivers Park District (TRPD), who provides flow and water quality monitoring at three locations in the watershed.
20	The Commission has undertaken minimal biological sampling on the streams in the watershed.
21	The Commission will contract with TRPD to undertake two longitudinal surveys of dissolved oxygen in impaired streams, which include taking a sequence of DO readings along points in the stream very early in the morning when DO is at its lowest, from an upstream point to a downstream point of interest. This shows a gradient of DO in the stream.
22	This funding would be available to cost share in post-construction stream biological monitoring undertaken by one or more city partners.
23	The Commission is responsible for the cost of electricity to the USGS gauging station.
24	Volunteer lake monitoring through the Met Council's Citizen Assisted Monitoring Program (CAMP). One lake is monitored per year.
25-26	The Commission contracts with TRPD to perform water quality monitoring and aquatic vegetation surveys on six lakes per year. The data is summarized in an annual report.
27	Volunteer macroinvertebrate monitoring coordinated by HCEE. The County is reconfiguring the program and we hope it will be back on track in 2024.
28	Volunteer wetland monitoring coordinated by HCEE through the Wetland Health Evaluation Program (WHEP). Hennepin County discontinued the program in 2022.
29	Most special projects or studies are now completed through a separate account and not tracked as part of the operating budget.
REVENUES	
30	Annual assessments to the member cities to pay the operating expenses of the Commission. Assessments are apportioned based on taxable market value of land within the watershed. Assessments did not increase 2020-2022 and went up 5.4% in 2023. No increase is proposed for 2024.
31	The amount of interest earnings varies based on interest rate and the balance carried by the Commission in its 4M Fund.

Line	Comment
32	Income received as dividends. Sometimes is shown as offsetting insurance costs.
33	The Commission's contract with TRPD includes reimbursement from the Park District to the Commission for the value of services provided.
34	The application fee structure is intended to recover the cost of completing current project reviews. While the fees do not fully fund that activity, they are set and periodically reviewed and adjusted to recover a majority of the cost. It is difficult to predict and budget for project review revenues and fees because it varies based on the economy.
35	The Commission's project review fee is calculated as a baseline escrow amount for each rule section that is triggered, plus an additional 10% of the total as a contingency. Unused funds are refunded to the applicant, while shortages are invoiced.
36	The Commission's project review fee includes a nonrefundable fee of 10% of the total review fee to cover the costs of administration.
37	The Commission's project review fee includes a nonrefundable fee of 15% of the total review fee to cover the costs of general technical services.
38	Most special projects or studies are now completed through a separate account and not tracked as part of the operating budget.

Table 3. Proposed 2024 member city allocations compared to previous years.

2022	2021 Taxable Market Value	2022 Budget Share		Increase over Prev Year	
		%age	Dollars	%age	Dollars
Champlin	603,102,432	3.940	9,349	-0.05	-452
Corcoran	1,053,101,089	6.880	16,325	0.03	522
Dayton	1,000,693,347	6.537	15,513	0.08	1,138
Maple Grove	7,344,495,742	47.979	113,855	-0.03	-3,242
Medina	1,187,298,004	7.756	18,406	-0.02	-282
Plymouth	1,887,099,770	12.328	29,254	0.07	1,918
Rogers	2,231,809,062	14.580	34,598	0.01	398
Totals	15,307,599,446	100.000	237,300	0.00%	0
2023	2022 Taxable Market Value	2023 Budget Share		Increase over Prev Year	
		%age	Dollars	%age	Dollars
Champlin	807,005,389	3.942	9,854	0.05	505
Corcoran	1,544,836,780	7.546	18,864	0.05	2,539
Dayton	1,644,909,207	8.034	20,086	0.05	4,573
Maple Grove	9,535,464,544	46.575	116,436	0.05	2,581
Medina	1,515,134,760	7.400	18,501	0.05	96
Plymouth	2,517,439,300	12.296	30,740	0.05	1,486
Rogers	2,908,759,834	14.207	35,519	0.05	921
Totals	20,473,549,814	100.000	250,000	0.00%	12,700
2024	2023 Taxable Market Value	2024 Budget Share		Increase over Prev Year	
		%age	Dollars	%age	Dollars
Champlin	898,761,000	3.999	9,998	0.01	144
Corcoran	1,808,292,200	8.046	20,116	0.07	1,252
Dayton	2,031,786,500	9.041	22,602	0.13	2,516
Maple Grove	10,043,624,100	44.690	111,726	-0.04	-4,711
Medina	1,680,727,800	7.479	18,697	0.01	195
Plymouth	2,671,442,700	11.887	29,717	-0.03	-1,023
Rogers	3,339,194,100	14.858	37,145	0.05	1,627
Totals	22,473,828,400	100.000	250,000	0.00%	0

To: Elm Creek WMO Commissioners
Elm Creek TAC

From: Budget Committee

Date: May 3, 2023

Subject: Adopt Reserve and Fund Balance Policy

Recommended Commission Action

Review and discuss the attached Reserve and Fund Balance Policy. By motion adopted the Policy with any desired changes or hold over to the June 14 meeting.

The draft Reserve and Fund Balance policy (attached) is presented to you for your discussion and review.

The Policy as written would require that the Commission maintain a cash reserve equal to either 50% of annual operating revenues or five months of operating expenses. Using the 2023 budget, that minimum reserve balance would be the greater of the following:

Table 1. Fund balance calculation using 2023 budget figures.

Component	Operating Expenses	Operating Revenues
2023 Budget	\$488,477	\$474,250
Less project reviews	184,000	184,000
Net Amount	304,477	290,250
5/12ths of yearly expenses	\$126,865	
50% of yearly revenues		\$145,125

According to the annual audit, the Unrestricted Fund Balance at the **end of 2021** was **\$279,332**. While the 2022 year-end balance is still under audit, it appears the Commission currently maintains more than adequate cash reserves.

Other funds available at the end of 2021 were:

Table 2. Unassigned fund balances as of the end of 2021.

Account	2021 Audited Year End	2022 Expected Year End	2023 Funds Encumb-ered	Notes
Assigned for Projects/Studies	\$181,817	↑	\$9,468	Match for WBIF studies
Closed Projects Account	\$62,034	↑		
4 th Generation Plan	\$10,000	\$22,500		Budgeted \$12,500 in both '22 and '23



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To: Elm Creek Commissioners
From: Diane Spector, Stantec
Judie Anderson, JASS
Date: April 5, 2023
Subject: Reserve and Fund Balance Policy

Last May, Staff were asked to begin the process of developing a *Financial Reserves and Fund Balance Policy*. This topic arose as the Commissioners were developing their 2023 operating budget, They queried, *What amount of money is sufficient to maintain an adequate unrestricted/unreserved fund balance, maintaining financial integrity, while at the same time not holding an inordinate amount of undedicated funds?*

A committee was formed to develop a draft policy. Members of the committee are Ken Guenther, Treasurer; Doug Baines, Chair; Diane Spector, Stantec; Judie Anderson and Beverly Love, JASS; and Tom Opitz, Johnson and Company, Ltd., the Commission's auditor. In turn, Opitz recommended that the Commission engage Jim Eichten, CPA, Mallory Montague, Karnowski, Radosevich & Co., as an outside advisor.

The group was also referred to the Office of the State Auditor's (OSA) *Statement of Position: Fund Balances for Local Governments Based on Governmental Accounting Standards Board's (GASB) Statement No. 54, Reviewed February 2014*, which the Commission currently uses for guidance.

Upon adoption of this policy, the italicized and bracketed comments will be removed from the policy.

I. Comprehensive Fund Balance Policy.

[OSA recommends that each local government establish/approve a formal comprehensive fund balance policy relating to accounting and financial reporting of governmental fund balances.]

A. The Elm Creek Watershed Management Commission's (Commission) Fund Balance Policy (Policy) shall address the following areas:

- 1.** Minimum fund balance
- 2.** Order of resource use

3. Stabilization arrangements
4. Committing fund balances
5. Assigning fund balances

B. The Commission only classifies fund balances at year end for financial reporting purposes. Only current, and not future, net resources are classified. The fund balance classifications used by the Commission shall include:

1. Nonspendable Fund Balance – amounts that are not in a spendable form. The Commission does not have any items that fit this category.

2. Restricted Fund Balances – amounts constrained to specific purposes by their providers (entities other than the Commission).

a. Restricted for CIPs. One example would be ad valorem levy funds received from the County for capital improvement projects.

b. Restricted for Closed Projects. The unused portion of the ad valorem funds must be set aside in a restricted account for similar projects (the Restricted for Closed Projects account.).

c. Restricted for Grant Proceeds. Another example would be BWSR Legacy Grants which are funded 50% before work begins, 40% progress payment, and 10% upon completion of the work and final report. Any unused portion is returned to the grantor.

Most other grants are funded quarterly, upon submittal of “work completed to date” reports. In some cases, a retention percentage is withheld until completion of the project.

3. Committed – amounts assigned for specific purposes by the Commission itself.

a. Assigned for Capital Projects, Studies. An example would be residual funds carried over from one year to the next for such purposes as Studies, Project Identification, and Subwatershed Assessments.

b. Assigned for Fourth Generation Plan. Another example would be setting aside monies over a period of years to develop the next generation Watershed Management Plan.

4. Assigned – amounts the Commission intends to use for specific purposes. Most line items in the Commission’s Operating Budget fall under this

category. If unused, monies assigned in this category are moved to the unassigned fund at year-end unless carried over by majority consent of the members at a regular meeting of the Commission.

5. Unrestricted/Unassigned – amounts available for any purpose. These amounts are reported only in the general fund.

[Add] **6. Unspecified Reserves.** – amounts available for future unnamed expenditures. These funds would be moved into this account from the Unrestricted/Unassigned account and would be taken out of this account and returned to the Unrestricted/Unassigned account if unused. *[During the committee's discussions, Eichten informed the group of this fund, which lends itself to more flexibility than the above-named accounts. This fund might be used to encumber monies for a specific purpose midway through the budget year. Staff recommend that this fund be added to the Commission's Financial Statement.]*

From time to time Staff may request, or the Commission's auditor may recommend, Commission approval to add a designated fund to the Commission's Financial Statement so as to segregate monies related to specific Commission activities. This would be done by majority consent of the members at a regular meeting of the Commission.

II. Minimum Fund Balance.

[OSA recommends that local governments determine and establish in their fund balance policy a desired minimum level of unrestricted fund balance to maintain in their general fund and other significant governmental funds. The local government's governing body should keep revenue streams in mind when determining a minimum level of fund balance for their policy.]

A. The Commission shall maintain an unrestricted fund balance of approximately 50 percent of operating revenues (~~or no~~ but not less than five months of operating expenses in its general fund.

- 1.** Operating revenues are defined as monies derived from
 - a.** Annual member assessments, which are collected in January and June.
 - b.** Interest earned from monies residing in the Commission's bank accounts, which are received monthly.

2. Operating expenses are those expenditures related to routine business activities.

B. *[After establishing a minimum level of unrestricted fund balance, the policy should provide for both a time frame and a specific plan for increasing or decreasing the level of unrestricted fund balance. The fund balance policy should include a provision for a regular review of the sufficiency of the minimum fund balance level.]* Commission Staff will review the sufficiency of the unrestricted fund balance as part of the development of the following year's budget, which occurs annually in April/May, and make a recommendation to the Commission as part of that process.

If, while preparing the monthly Treasurer's Report, Staff determine that the level of unrestricted funds is likely to fall below the five months' level cited above, they shall so advise the Commission, providing a recommendation on how to address that shortfall.

III. Order of Resource Use/Fund Balance Flow Assumption.

[OSA recommends that local governments include in their fund balance policy the normal order of resource use. The policy should identify which fund balance resources (restricted or unrestricted) are normally used first when an expenditure is incurred for purposes for which both restricted and unrestricted fund balance is available. Also, for unrestricted fund balance, the local government should identify the order in which committed, assigned, or unassigned amounts are spent when an expenditure is incurred for purposes for which amounts in any of those unrestricted fund balance classifications could be used.]

A. The monies the Commission receives are very specific and purposed and **no "ordering" is recommended**. The funds the Commission has designated include

1. The ad valorem-related capital projects and studies.

2. The closed project account which holds the unused portion of the previously named fund.

3. Capital projects and studies **not** funded by ad valorem taxation. These projects and studies

a. Receive funds from local, state and federal grant programs, or

b. Are designated during the development of the Commission's annual budgeting process

4. Unrestricted/Unassigned. In the case of grants and such sources, the Commission's "match" portion comes from unrestricted funds.

B. Stabilization Arrangements.

[OSA also recommends that local governments consider establishing a stabilization arrangement for emergency situations in their comprehensive fund balance policy.] Staff do not foresee a need for this process.

IV. Committing Fund Balance.

[The Office of the State Auditor recommends that a local government's governing body identify its process for committing a fund balance to a specific purpose. The policy could identify the local government's highest level of decision making authority, what formal action is required to commit fund balance, and what specific purposes normally will require committing resources.]

A This process is self-defining, i.e., funding sources are determined by the action/activity that is occurring. Approval to move forward with approval and acceptance of a grant, certification of an ad valorem levy, etc., are made by a majority vote of the Commission. The Commission may vote to authorize Staff to perform such actions on their behalf.

B. It is a policy of the Commission that the unused portion of completed ad valorem-related capital projects and studies be moved to the Closed Project Account.

C. During the annual Audit, the Commission's auditor makes appropriate adjustments to the various funds upon review of the monthly meeting minutes and Staff consultation.

Elm Creek Watershed Management Commission
Reserve and Fund Balance Policy
April 5, 2023

Exhibit A – for Reference
Elm Creek Watershed Management Commission
Governmental Fund Balance Sheet
December 31, 2021 | December 31, 2020

NOTE: Line 16 shows the monies that would be the subject of the Fund Balance Policy. Lines 21 and 26 are the revenue items that fund the Line 16 balance, as impacted by surpluses or deficits in routine business operations. Lines 28-37 are the expense items that comprise routine business operations.

Line		Dec. 31, 2021	Dec. 31, 2020
	ASSETS		
1	Cash and Temporary Investments	1,275,084	1,231,058
2	Restricted Cash	228,085	76,351
3	Due from other governments	6,169	0
4	Accounts Receivable	<u>46,955</u>	<u>52,193</u>
	Total Assets	<u>1,556,293</u>	<u>1,359,602</u>
	LIABILITIES AND FUND BALANCES		
5	Accounts Payable	102,597	101,811
6	Financial and administrative guarantee fee deposits	8,105	9,108
7	Project review fee escrow	11,739	0
8	Unearned income	<u>208,241</u>	<u>67,243</u>
	Total Liabilities	330,682	178,162
9	Restricted Fund Balances/Net Position		
10	Restricted for CIPs	692,428	729,149
11	Restricted for Closed Projects	<u>62,034</u>	<u>16,217</u>
12	Total Restricted Fund Balances/Net Position	754,462	745,366
13	Assigned Fund Balances/Net Position		
14	Assigned for Capital Projects, Studies	181,817	187,134
15	Assigned for fourth generation plan	<u>10,000</u>	<u>0</u>
		191,817	187,134
16	Unrestricted/Unassigned Fund Balances/Net Position	<u>279,332</u>	<u>248,940</u>
17	Total Assigned/Unrestricted Fund Balances/Net Position	471,149	436,074
18	Total Fund Balances/Net Position	1,225,611	1,181,440
19	Total Liabilities/Fund Balances/Net Position	<u>1,556,293</u>	<u>1,359,602</u>

Elm Creek Watershed Management Commission
Reserve and Fund Balance Policy
April 5, 2023

Lines

- 1 4M Fund
- 2 Grant payments received prior to work performed
- 3 Accounts receivable - TRPD, County, State
- 4 Accounts receivable - -- grant revenue earned, unreceived
- 5 2021 expenses paid in 2022
- 6 WCA Monitoring and Administrative Fees
- 7 Project review escrows invoiced
- 8 Grant prepayment
- 10 Ad Valorem CIPs
- 11 Unused portion completed Ad Valorem CIPs - can be used only for other capital projects
- 14 Stream Assessments, SWAs, Studies - designated funds may be carried over from year to year
- 15 Set aside for fourth generation plan development, may be carried over from year to year
- 16 Unrestricted monies available for any purpose

Line		Dec. 31, 2021	Dec. 31, 2020
	REVENUE		
21	Member Assessments	237,300	237,300
22	Property Taxes – Ad Valorem	138,249	295,954
23	Project and Wetland Fees	218,801	101,374
24	Reimbursements	5,230	4,808
25	Grants	23,488	83,452
26	Interest Income	179	5,339
27	Total Revenue	<u>623,247</u>	<u>728,227</u>
	EXPENDITURES		
28	Administration	130,494	112,490
29	Education	6,304	8,535
30	Grant Program	29,385	85,043
31	Insurance	2,599	3,182
32	Professional Fees	7,155	6,419
33	Technical support	224,492	134,306
34	Water Monitoring	41,837	38,462
35	Watershed Programs	5,317	15,000
36	Watershed Plan	642	1,410
37	Capital Outlay – Improvement Projects	<u>130,851</u>	<u>319,021</u>
38	Total Expenditures	<u>579,076</u>	<u>723,868</u>
39	Net change in fund balances/net position	44,171	4,359
	Net fund balances/net position		
40	Beginning of year	<u>1,181,440</u>	<u>1,177,081</u>
41	End of year	<u>1,225,611</u>	<u>1,181,440</u>

elm creek Watershed Management Commission

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STAFF REPORT May 2, 2023

- a. 2017-050W Ernie Mayers Wetland/floodplain violation, Corcoran.** The City of Corcoran contacted the Commission in 2017 concerning drainage complaints on Mayers' property. Technical Evaluation Panels (TEPs) were held to assess the nature and extent of the violations and a restoration order was issued to Mayers. In 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. The parties came to an agreement to resolve the violation in 2021. The agreement was signed by BWSR, Corcoran and Mayers. Commission Staff have not been provided with a copy of the agreement and the agreement does not resolve the Commission's floodplain fill issue from the wetland work. Staff sent correspondence to that effect to Mayers on February 1, 2022, requesting an application and site plan. *To date, no WCA or floodplain compliance actions have been taken by Mayers.* Once the Commission is informed by the LGU of how the violations will be resolved, we can follow up on scope of any outstanding Elm Creek floodplain issues. A verbal update will be provided to the Commission at their meeting if there are any new developments.
- b. 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 by widening the roadway and adding turn lanes, pedestrian facilities, and utility improvements. To meet the Commission's stormwater requirements, the project will largely rely on adjacent developments (existing and proposed) to incorporate BMPs to provide rate control, volume control, and water quality control. The project was approved at the December 2022 Commission meeting with the following recommendations: 1) Approval is contingent upon final application escrow fee balance determination. 2) A buffer strip plan with proper wetland buffer monumentation, and 3) Future Development 1 BMPs providing volume control to offset the remaining 4,180 cfs, and water quality to offset the interim increases of 1.0 lb/yr TP and 179.5 lbs/yr TSS to Wetland 1. Staff's findings dated December 27, 2022, were prepared to reflect these recommendations.
- c. 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, 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. On November 10, 2021, the Commission approved this project contingent upon receipt of the escrow balance and the City reconstructing the basin to meet Commission rules and standards per Staff findings dated November 1, 2021.
- d. 2021-034 BAPS Temple, Medina.** This project includes construction of a Hindu Temple, dining hall, gymnasium, parking lot and a 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 and approved at the October 2021 meeting contingent on three Conditions outlined in Staff's findings dated October 4, 2021: (1) receipt of the escrow balance, (2) an operation and maintenance agreement with the City, and (3) a geotechnical report provided to the Commission. An update

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from the applicant's engineer on July 21, 2022, stated, "The client is holding on[to] construction documents temporarily; once they give us the go-ahead we will work to finalize the items below, likely by this fall [2022]." On November 3, 2022, Dusty Finke informed the Commission that the applicant has amended the site layout a bit and anticipates construction in 2023.

e. 2021-044 Balsam II Apartments, Dayton. The Commission approved this project in January 2022. The final infiltration testing of the stormwater basin and receipt of the escrow balance are the only conditions outstanding from Staff's findings dated December 22, 2021. As of November 2, 2022, the City and the Commission are awaiting the test results so that the outstanding escrow balance can be invoiced, and this project can be closed. The applicant informed the City they will provide the City and Commission with the test results *when completed in the summer of 2023*.

f. 2021-050 Evanswood, Maple Grove. This proposed development will construct 227 single-family and 138 townhomes in the northwest corner of the City, disturbing 108.5-acres, and creating 45.8-acres of impervious surfaces, 41.4-acres of which is net, new impervious surfaces. The project was reviewed for Rules D, E, F, G, and I. Staff's March 2, 2022, findings were approved at the March meeting with five conditions. Two conditions remain outstanding: (1) receipt of the final escrow balance, and (2) receipt of a Stormwater Maintenance Agreement acceptable to the City and the Commission. The City is working on the agreement.

g. 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 was reviewed for Rules D and E. Staff findings dated February 14, 2022, were approved by the Commission at their March 9, 2022, meeting with three conditions: (1) final escrow balance being reconciled, (2) a stormwater maintenance agreement being put in place between the owner and the city with terms acceptable to the Commission, and (3) a detail being added to the construction drawings showing the inspection ports being installed along the isolator row of the underground filtration system. On January 25, 2023, Andrew Simmons reported that this project has not yet proceeded.

h. 2022-002 Summerwell Townhomes, Maple Grove. This project is for construction of a 26-acre site into a residential townhome community. It will create 13-acres of impervious, all of which is net, new impervious. The project triggers Rules D, E, G, and I and was approved at the Commission's June meeting with three conditions: (1) determination of escrow fee balance; (2) receipt of an Operations and Maintenance Plan approved by the City, and (3) provision of a wetland monitoring plan with four conditions. These conditions are found in Staff findings dated June 2, 2022. The monitoring plan was received on November 3, 2022. This project will be removed from the report upon receipt of the escrow balance.

i. 2022-003 Fox Briar Ridge East, Maple Grove. The proposed project is for construction of eight townhomes and one single family home with associated sidewalks, roads, and stormwater infrastructure. The project will create 1.81-acres of impervious, 1.68-acres of which is net, new impervious. The project triggers Rules D and E. This project received approval at the Commission's April meeting with two conditions as cited in Staff findings dated April 4, 2022: final escrow determination and provision of a stormwater maintenance agreement acceptable to the City and the Commission within 90 days after the plat is recorded for all stormwater BMPs on the site that will not be operated and maintained by the City. This project will be removed from the report upon receipt of the escrow balance.

j. 2022-006 Hamel Townhomes, Medina. The proposed project is for construction of 30 townhomes with associated sidewalks, roads, and stormwater infrastructure. The project will create 1.76-acres of impervious, 1.54-acres of which is net, new impervious. The project triggers Rules D and E. The applicant provided the latest

resubmittals on July 11, 2022. In their findings dated August 2, 2022, Staff recommended approval with two conditions: receipt of an Operations and Maintenance Agreement acceptable to the City and final escrow determination. The project was approved at the Commission's August meeting. The project is currently on hold and Staff are working with the engineer and owner to pay the escrow.

k. 2022-008 Bechtold Farms, Corcoran. This is two parcels that total 117.6 acres proposed to be subdivided into 12 large, single-family lots. The project will create 6.3-acres impervious areas, 4.5-acres which are net, new impervious. The project triggered Rules D, E, F, G, and I The vegetation management plan for the wetland buffers and preservation areas was approved by Commission staff on May 3, 2022. The City is working on the conservation easements and O & M agreements. Staff provided the Commission's livestock guidelines to the applicant and the City. Staff's April 13, 2022 (updated) recommendations were approved at the Commission's April 13, 2022, meeting. All the contingencies have been accomplished and the escrow balance will be refunded.

l. 2022-009 Dunkirk Lane Development, Plymouth. This project is located in the southwest quadrant of the intersection of Dunkirk Lane and 59th Avenue N. The proposed development includes construction of 21 single-family home units and associated streets, utilities, and stormwater management basin. The Commission review covered Rules D and E and the project received approval at the April meeting per three contingencies outlined in Staff findings dated April 4, 2022: (a) final escrow determination; (b) an updated detail for OCS 105 (Sheet 8 of 21) showing the 2'-wide by 1'-deep notch in the weir modeled in HydroCAD; and (c) Elimination of the redundant 5-foot weir in the HydroCAD model for the pond outlet. It is understood that removal of this weir will not affect hydraulics or results for the 2-, 10- and 100-year storm HydroCAD modeling results but should be updated to be consistent with what is being constructed.

m. 2022-011 Arrowhead Drive Turn Lane Expansion, Medina. This project consists of a linear project for the City of Medina and a private site expansion for Open Systems International (OSI). The City will be constructing a stormwater BMP on the OSI site to accommodate for rates and water quality from two projects: (1) Arrowhead Drive Turn Lane Expansion and the future (2) Open Systems International, Inc. (OSI) Expansion. The projects are being reviewed as a planned development being treated by the proposed basin. Updated plans were received April 1, 2022, and supplemental updates were received on April 14, 2022. This project received approval at the Commission's May Meeting pending three conditions found in Staff findings dated May 2, 2022: (1) final escrow determination, (2) payment of the additional floodplain alteration review fee, and (3) plans for the OSI, Inc. parking expansion being developed. A Commission application for Rule E will be necessary, assuming the stormwater management is consistent with this approval. An erosion control and grading plan for the OSI site should include no more than 1.56 acres of impervious surface and all impervious surfaces shall be directed to the proposed stormwater BMP.

n. 2022-012 Graco Building 2, Dayton. Graco purchased this property that was the Liberty Industrial Center, approved by the Commission under project 2015-011. Graco is proposing to replat this site and construct a 515,400 SF distribution center. Additionally, mass grading on the remaining portion of Outlot H, and Outlots A and B will occur to accommodate two future buildings, regional ponding, and the construction of French Lake Road West. In total, 74 acres will be graded. The Commission's review covers Rules D and E on the 74 acre site. The site plan proposes to encroach into an existing conservation and preservation easement approved by the Commission for project 2015-011. At the July 2022 meeting the Commission reviewed this project and approved site plans for the area west of French Lake Road, contingent upon Staff recommendations found in their findings dated July 6, 2022: (1) final wetland buffer monumentation meeting Commission requirements, (2) an operations and maintenance agreement approved by the City that implements conditions that bind current and future owners of the project shall be recorded on this property and (3) the escrow balance reconciliation. The areas

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RULE E - EROSION AND SEDIMENT CONTROL
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RULE H - BRIDGE AND CULVERT CROSSINGS
RULE I - BUFFERS

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east of French Lake Road were tabled.

Revised plans for the West French Lake Road project area were submitted on November 23, 2022, January 6, 2023, and February 17, 2023. At the March 2023 meeting, the Commission approved the updated plans for West French Lake Road for erosion and sediment controls, buffers, and the conservation easement. The only outstanding item is the escrow balance.

o. 2022-013 Dayton Industrial Site, Dayton. This project is a 25.04 acre site located on the north side of CR 81 between Brockton Lane and Dayton Parkway. The applicant is proposing to construct a 334,750 SF industrial building with associated parking for passenger vehicles and tractor trailers. Construction of an extension of Troy Lane Extension from its current cul-de-sac terminus continuing eastward to a future intersection with West French Lake Road is also planned, but will be permitted separately by the City. The proposed project will create 17 acres of new impervious, disturbing 30 acres. The area of the two existing parcels is 25.04 with 0.44 acres of existing impervious. Staff received the signed application March 21, 2022. Staff completed an initial review and requested additional documents from the applicant, which were received March 29, 2022. At their May 11, 2022 meeting the Commission approved this project with eight conditions per Staff's findings dated May 2, 2022.

p. 2022-016 Rogers Activity Center. Redevelopment and additions to the Rogers Municipal Complex are proposed at 14160 James Road. The project includes site clearing, demolition of the existing asphalt pavement, and grading for a future turf and ice rink facility. The Commission review covered Rules D, E, G and I. At their May 11, 2022 meeting the Commission approved Staff's findings dated May 2, 2022, with five conditions.

q. 2022-017 City Center Drive, Corcoran. This site is approximately 30-acres, adjacent to and east of CR 116. The City is proposing to provide infrastructure and a regional stormwater system for the ultimate development of this area. This plan proposes to grade and construct City Center Drive, 79th Place, CR 116 turn Lanes, the proposed St. Therese Senior housing facility and a linear city park and trail along CR 116. At the June meeting the Commission approved this project with four conditions 1) Wetland impacts and replacement plans must be approved by the LGU. 2) Final erosion and sediment control plans must be submitted that meet the Commissions requirements. 3) Post construction drawdown rates of >3" per hour must be verified on the filter bench to the NE regional pond and 4) Final escrow balance determination, as cited in Staff findings dated May 31, 2022. Items 3 and 4 are the only remaining items.

r. 2022-018 Big Woods, Rogers. This site is approximately 72.1 acres, with 61.0 acres being disturbed. The project will create 207 residential lots and include 23.6 acres of impervious surface after development. The Commission review covers Rules D, E, and I. Per Staff findings dated June 1, 2022, the Commission approved this project at the June meeting conditioned on: (1) reconciliation of the escrow fee balance; (2) receipt of a wetland alteration plan approved by the WCA LGU [the City]; and (3) approval of an operations and maintenance plan approved by the City.

s. 2022-019 Grass Lake Preserve, Dayton. This is two parcels totaling 38.45 acres, located east of Brockton Road (CR 13) approximately halfway between North and South Diamond Lake Roads. The applicant is proposing 120 twin homes and 6 single family detached homes with corresponding utilities, and streets. Based on Staff findings dated June 2, 2022, the Commission approved this project at their June 2022 meeting with the following conditions. (1) reconciliation of the escrow fee balance; (2) final SWPPP plan submittal prior to grading; (3) receipt of a wetland alteration plan approved by the WCA LGU [the City] and MNDNR [if applicable]; (4) additional sump manholes at CBMHs 205 and 210; and (5) City approval of a long-term operation and maintenance plan on the stormwater facilities. Items 2, 4 and 5 are adequate. The WCA wetland replacement plan was approved in November by the LGU. The balance of the escrow will be refunded.

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t. 2022-020 Skye Meadows Extension, Rogers. This is a development on a 45.3-acre parcel which will disturb 44.1 acres and result in 14.1 acres of impervious surface. The impervious surface includes 129 lots and associated streets. The Commission review covered Rules D, E, G, and I. The project was approved at the Commission's June meeting with the three conditions cited in Staff's findings dated June 1, 2022: (1) final escrow balance reconciliation; (2) approved wetland mitigation plan for the proposed disturbance of Wetlands A and B; and (3) an operation and maintenance plan approved by the City. On January 25, 2023, Andrew Simmons reported that project includes a road vacation that likely will not be approved. The applicant may need to come back for a re-review.

u. 2022-022 Cook Lake Highlands, Corcoran/Maple Grove. This is a 53.58-acre development comprised of four existing parcels in both cities. The western parcel in Corcoran totaling 27.3 acres is under consideration for this review. The adjacent Cook Lake Edgewater, 2021-031 was previously approved in October 2021. The site is located along the north side of CR 10 (Bass Lake Road) just west of the CR 101 crossing and southwest of Cook Lake. The applicant is proposing to create a detached residential rental community with 59 units creating 10.4 acres of new impervious areas in Maple Grove, and 8.1 acres of new impervious in Corcoran (a total of 18.5 acres). The applicant reports incorporation of some impervious that is planned for the future acres of new impervious areas in Maple Grove, 8.1 acres of new impervious in Corcoran (totaling 18.5 acres) as well as for the future expansion of CR 10. This phase of the project will disturb 18.6 acres. A stormwater pond with bio-filtration bench and a smaller filtration basin are proposed for the Corcoran portion of the site. At the June meeting the Commission granted approval of the six conditions cited in Staff findings dated June 1, 2022.

v. 2022-026 Rogers Archway Building, Rogers. The project site is located between 129th Avenue North and Territorial Road, west of Main Street and east of Elm Parkway. The applicant reconfigured their construction activities in order to maintain the volume of the existing pond, thereby not triggering Commission rules. Upon receipt of as-built plans confirming the reconfiguration, this project will be closed out and the surplus escrow returned to the applicant. On January 26, 2023, Andrew Simmons reported that construction has not yet commenced.

w. 2022-028 Elsie Stephens Park, Dayton. This is existing park property (~20 acres) located about a mile north of the junction of County Roads 144 (N. Diamond Lake Road) and 12 (Dayton River Road). The project proposes to construct two entrance roads off CR 12, 1,300 feet of park roadways with a parking area and loop road, and a trail system to connect existing and future trails. Site revisions received July 5, 2022, were reviewed by the Commission at their July 2022 meeting. Staff recommended approval in their findings dated July 6, 2022, contingent upon: 1) pre- and post-construction soil analysis on each infiltration basin to determine that infiltration rates meet or exceed design assumptions; 2) erosion and sediment control meeting the Commission's requirements and approved by Staff; and 3) escrow fee reconciliation. No new information has been received.

x. 2022-029 Hayden Hills Park, Dayton. This is an existing 6.5-acre vacant park property located in the Hayden Hills Development about one-half mile south of Dayton City Hall near Deerwood Lane at 132nd Avenue. The City proposes to grade and construct a baseball field, open play areas, ice skating area, a basketball court, pickleball court, playground, putting green, and connection trails into the existing trail system. The site's stormwater (Rule D) was designed into the Hayden Hills development approved by the Commission under project 2018-008. Staff reviewed this plan for Rule E only. Site plans conformed to Rule E and were administratively approved in Staff findings dated May 27, 2022. The escrow balance will be invoiced and this item removed from the report when it is received.

y. 2022-030 Garages Too, Corcoran. The project proposes building and site improvements for a self-

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RULE H - BRIDGE AND CULVERT CROSSINGS
RULE I - BUFFERS

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storage facility just north of Highway 55 near Rolling Hills Road. The site is within the physical boundary of the Pioneer-Sarah Creek watershed, but is in Corcoran, which is within the legal boundary of the Elm Creek watershed. At their August meeting the Commission approved Staff findings dated August 2, 2022, contingent upon (1) an operation and maintenance agreement, recorded on this property and approved by the City, that implements conditions that bind current and future owners of the project, (2) wetland impacts/exemption request must meet the LGU (Corcoran) requirements; and (3) the escrow balance being reconciled. All items have been resolved except for the final escrow accounting.

z. 2022-031 Corcoran II Substation. The project site is located on 2.87 acres in the northeast intersection of Larkin Road and CR 116. It is a 38.91-acre parcel that is proposed to be subdivided into one lot and two outlots. Block 1, Lot 1 will be the parcel where Wright Hennepin Cooperative Electric Association will place their substation. The remaining areas will be utilized for future development and for ROW along CR 116. At their July 2022 meeting the Commission approved Staff's July 5, 2022, recommendations with three conditions. 1) a stormwater operation and maintenance agreement acceptable to the City and the Commission must be recorded by the landowner on this property; 2) the 48-hour drawdown (4,704 CF) on the stormwater basin must be verified post-construction; and 3) escrow fee reconciliation. No new information has been received.

aa. 2022-033 Pet Suites, Maple Grove. The project site is located on a vacant lot just north of the CR 30 and Upland Lane N intersection. The proposed project will include the construction of a building and parking lot along with necessary utilities and stormwater management for a canine care facility. The project triggers Rules D and E. This project was approved at the Commission's September meeting with two conditions: 1) receipt of final application escrow fee balance and 2) an O&M plan approved by the City. This project has been withdrawn and will be removed from the report upon receipt of the escrow balance.

ab. 2022-035 Rush Hollow, Maple Grove. The project is located on 161.5 acres and will result in 49.01 acres of impervious surface. The project triggers Rules D, E and I. The Commission approved Staff findings dated November 1, 2022, at the November meeting with the following conditions: 1) final application escrow fee balance. Additional payment or refund of the fees will be determined when all conditions for approval are met, 2) an operation and maintenance plan that is approved by the City.

ac. 2022-038 Tavera (North Phase), Corcoran. Lennar Homes is proposing to develop this site into a 244-unit housing development, with 110 single family detached lots and 134 attached townhouse units. It is the second phase of the overall larger 548-unit Tavera housing development. The total site area is 272 acres. Phase 2 will encompass approximately 175 acres, disturb 110 acres, and create 38.6 acres of new impervious area. The Commission approved the project at their August 2022 meeting contingent upon meeting the conditions cited in Staff's August 3, 2022, findings: (1) operation and maintenance plans and agreement being provided to the Commission for their review and approval. These plans must include the irrigation system. (2) irrigation system pump and augmentation information being provided and approved by Staff and (3) the escrow balance being reconciled. No new information has been received.

ad. 2022-040 Karineimi Meadows, Corcoran. This is a 125-acre parcel in the southeast quadrant of the CR 10 and 19 intersection proposed to be subdivided into 10 large single family residential lots. The project will consist of constructing Chaparral Lane south of CR 10 with its associated drainage and stormwater basins into the site. Lot grading improvements will be customized and occur at the time the homes are built. Staff provided preliminary comments to the applicant on August 17. The applicant extended the 15.99 deadline to February 8, 2023. Revised information and a recommendation for approval was provided to the Commission at their December 2022 meeting. The Commission approved this project contingent upon the following: 1)

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RULE I - BUFFERS

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Ponds 3 and 4 filter volume drawdown rates must be designed for a 1.0"/hour drawdown rate, or if the existing rate of 1.8"/hour is used, the 48-hour drawdown must be field-verified after construction; 2) An approved and recorded operation and maintenance agreement for the stormwater ponds must be recorded on the property; 3) the escrow balance must be reconciled; and 4) the Commission recommends the City of Corcoran follow their recommended livestock management policy. Staff provided the City and applicant with the livestock management policy. These items are still outstanding.

ae. 2022-042 Walcott Glen, Corcoran. This is a 40-acre parcel located in the northwest quadrant of the intersection of Hackamore Road and CR 101 (Brockton Lane). The site will be developed into a residential area with 10.8 acres of new impervious area including homes, driveways, roads, and sidewalks, as well as a playground area. Staff's findings dated October 5, 2022, were reviewed and approved at the October meeting conditioned upon 1) The escrow balance being rectified to the satisfaction of the Commission Administrator. 2) Notice of wetland replacement plan approval being provided to the Commission. Prior to grading the wetland, a replacement plan must be approved by the LGU. 3) The applicant entering into a stormwater maintenance agreement with the City. The City's template stormwater maintenance agreement satisfies the requirements of the Commission, and 4) the City must approve the final emergency overflow design for wetland H4. Final design must be reviewed and approved by Commission staff. All contingency items have been met except the escrow balance. Revisions to the plan were received December 15, 2022. Staff approved the changes to the plan after determining them to be consistent with the Commission's requirements and intent from their October, 2022, approval. All items have been resolved except the final accounting for the escrow balance.

af. 2022-043 Meander Park and Boardwalk, Medina. This project is a proposed commercial planned unit development located on the north side of Highway 55, 900 feet east of Arrowhead Drive on Lake Medina. Wetland surrounds the 18-acre site on the west and south, leaving approximately 7 acres of developable land. The project will disturb 6.3 acres of the site, resulting in a 4.0 acre increase in impervious surface. The project triggers Rules D, E, F, G and I. In their November 2, 2022, findings Staff recommended approval contingent upon 1) final escrow fee reconciliation; 2) an operation and maintenance plan that is approved by the City, 3) addition of Emergency Overflows (EOFs) to the grading plan for basins East Filtration and the North Retention Basin. The low floor elevations must be at least one foot above the (EOF) for the stormwater pond. Secondary outlet devices potentially modeled as EOFs are reported as 987.27 for the North Retention Basin and 993.0, the elevation of the roadway, for the East Filtration Basin, 4) jurisdictional determination for LGU WCA replacement or exemption is necessary. LGU and WCA approval is required prior to any wetland impacts if required by LGU, and 5) addition of approved wetland monument signs to the plan set. These conditions were approved at the November 9, 2022, meeting.

ag. 2022-044 Trail Haven Road Bridge L9384 Replacement, Corcoran. This is on the North Fork of Rush Creek at Trail Haven Road approximately 1/2 mile south of CR 117. Corcoran is proposing to replace the existing 52' long 90" x 139" CMP arch culvert with 10' wide by 6' high concrete box culvert on Trail Haven Road. The Commission approved findings dated October 12, 2022, contingent upon, 1) The escrow balance must be rectified to the satisfaction of the Commission Administrator. 2) Provide the following for documentation, a) Current photographs of the existing channel to approximately 250 feet downstream of the proposed culvert invert, b) Detail of the proposed riprap design below the culvert, c) Provide MN DNR and WCA permits to Commission technical staff and d) General concurrence to assist private landowners downstream of this project if streambank erosion occurs as a result of this culvert replacement project. Updated information received January 31, 2023, meets the conditions for approval on this project. Reconciliation of the escrow balance is the only remaining item.

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ah. 2022-045 Corcoran Water Treatment Plant, Corcoran. This is a 3.25-acre parcel on the east side of CR 116, one-half mile north of CR 30. The project will consist of an access off CR 116, the Water Treatment Plant, a municipal well, and a wet detention stormwater pond with a bioretention bench for stormwater management, rate control and water quality. Initial review and comments were provided to the City and their consultant on October 23. Revisions were received November 4. Updated findings and recommendation were reviewed and approved by the Commission at their December 2022 meeting. The only outstanding item is refund of the escrow fee balance.

ai. 2022-046 CSAH 12 Culvert and Guardrail Replacement and Ravine Stabilization, Dayton. The project area runs along the CSAH 12 ROW from 2500' northwest of Lawndale Lane and continues approximately 3.1 miles southwest to near Pioneer Parkway. The project will consist of mill and overlay work on an existing section of CR12. Construction plans show the removal of 9-11" of bituminous pavement and 12" of aggregate base and replacing it with recycled or new materials. Additionally, six sections of this corridor have failing slopes that threaten the road embankment. Culverts will be replaced where needed and six (6) gully areas will be stabilized between the road and the Mississippi River. Project review findings with two recommendations dated November 1, 2022, were approved at the November meeting: 1) final application escrow fee balance and 2) Jurisdictional determination for LGU WCA replacement or exemption is necessary. LGU and WCA approval is required prior to any wetland impacts if required by the LGU.

aj. 2022-047 Suite Living of Maple Grove. This project is the development of a parcel within the Market of Rush Creek development which was previously approved. The development includes a senior living facility with a new building and associated parking. Previous approvals covered wetland buffers and stormwater management. The current project will be reviewed for Rule E. The application was received December 6, 2022, and administratively approved on January 4, 2023. A findings of fact memo for the project dated January 4, 2023, was included in the January meeting packet. The escrow fee balance will be reconciled and invoiced/refunded accordingly and this item removed from the report.

ak. 2022-048 Hassan Elementary 2023 Pavement Renovation, Rogers. This is a redevelopment project at Hassan Elementary School to increase parking and hardcover to help the flow of buses and cars during pick-up and drop-off. The project will disturb approximately 5.7 acres of the 24-acre site and increase impervious surface by 0.997 acres. The project triggers Commission Rules D and E. Staff reviewed the initial submittals and sent comments to the applicant. The applicant and their engineer are working on updates to satisfy City and Commission comments. Staff's review and findings dated February 1, 2023, were approved at the February meeting with three standard conditions.

al. 2022-049 Connexus Energy Subdivision, Dayton. This is an existing 1.8-acre lot located on the north side of 117th Avenue North between Fernbrook Lane and East French Lake Road. The applicant is proposing to construct an energy substation adding 0.73 acres of impervious area, disturbing the entire parcel plus ROW. The current land use is row crops in C soils. A complete project application was received December 12, 2022. In findings dated December 29, 2022, Staff is recommending approval with the following conditions: (1) payment of all review fees. Additional payment may be required if the review cost exceeds escrow payment(s) submitted by the applicant; (2) applicant must meet all City Requirements; (3) applicant must provide signed agreement from adjacent landowner and the City for any off-site grading and direction of flow to the west; and (4) an operation and maintenance agreement for the stormwater facilities that implement those conditions that bind current and future owners of the project shall be recorded on this property.

am. 2023-01 Chankahda Trail Reconstruction Phase 2, Plymouth. Hennepin County and the City of Plymouth are proposing to reconstruct approximately four miles of Chankahda Trail over the next few years.

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Phase 2 of the reconstruction extends from approximately 300 feet east of Peony Lane/Maple Grove Parkway to roughly 100 feet east of Vicksburg Lane. This project triggers Commission Rules D, E and F. *This project was approved with two conditions at the Commission's April meeting: 1) final application escrow fee balance and 2) receipt of an updated compensatory storage plan that is separated from groundwater and hydraulically connected to the floodplain.*

an. 2023-02 Lynde Greenhouse Fire Damage Repair, Maple Grove. The project proposes to rebuild a greenhouse building lost to a fire in 2022. The project is located south of 93rd Avenue North, along Pineview Lane. The property is approximately 10.3 acres and this project will disturb approximately 1.6 acres, triggering Commission Rules D and E. Staff have reviewed the initial application materials and sent the applicant comments for their stormwater management. As they address the stormwater management issues, Staff, along with the City of Maple Grove, have given approval to commence grading and erosion control activities at their own risk. Staff's findings dated March 1, 2023, were approved at the March meeting contingent upon an operation and maintenance plan that is approved by the City of Maple Grove and escrow fee balance reconciliation.

ao. 2023-003 Cemstone Supply Facility, Dayton. The project site is 5.6 acres located east of Holly Lane on Territorial Road. It is currently two commercial buildings with associated parking/access. This project proposes to demolish the northerly building (20,385 SF) and remove all pavement areas. It will preserve the southerly storage building (11,263 SF) and construct a new 38,000 SF office warehouse building with its associated parking and drive areas. *Staff findings dated April 19, 2023, are in the May meeting packet with a recommendation for approval contingent upon: 1) final escrow balance determination and resolution. 2) LGU verification of wetland determination and 3) City approval of the O & M agreement*

ap. 2023-004 Medina Industrial Site Development, Medina. This proposed industrial development is located on an undeveloped property currently being used for agricultural purposes. The project will disturb 23.8 acres of the 26.7-acre site and result in 17.3 acres of net, new impervious surfaces. The project requires review under Commission Rules D, E and G. *Staff's May 1, 2023 findings are included in the May meeting packet with four conditions for approval: (1) escrow fee balance reconciliation; (2) receipt of an operation and maintenance plan approved by the City of Rogers; (3) receipt of an irrigation layout and pump plan once a design-build contractor has been selected for the project; and (4) grading details showing how the pond, maintenance road, and associated parking and retaining walls (shown on Sheet C-502) work with the proposed grades at the northwest corner of the proposed stormwater pond.*

aq. 2023-005 MTL Troy Lane Addition, Dayton. This is a 41.6-acre parcel located west of French Lake Road and north of CR 81 on Troy Lane that is proposed to be developed into two lots. The east lot will be a waste transfer station with an office/maintenance building. The west lot will be a maintenance building with a warehouse. Both properties will have associated parking areas and outdoor storage. Staff findings dated April 20, 2023, are included in the May meeting packet with a recommendation for approval contingent upon: 1) Final ECWMC escrow balance reconciliation and 2) City approval of the O&M agreement

ar. 2023-006 Sota Shine, Maple Grove. This is a 1.51-acre site located southeast of the intersection of Bass Lake Road and Troy Lane. This project is part of the greater HY-VEE development, where regional stormwater is provided for the development of this site. The project only triggers the Commission's erosion control requirements. *This project was reviewed by Staff and given administrative approval with no conditions. A findings of fact memo dated April 10, 2023 is included in the May meeting packet for information.*

as. 2023-007 Lakeview Knoll's Site Pickleball Courts, Maple Grove. This is a 4.0-acre site located in the

southeast corner of Lakeview Knolls Park. The project will expand the existing hard court facilities to increase the available pickleball courts at the park. The project also involves expanding an existing parking area and adding a park building. The project triggers Commission Rules D and E. *This item was received too late to be included on the May agenda and is still under Staff review.*

at. 2023-008 Rush Creek Boulevard Interchange, Maple Grove. The City of Maple Grove is proposing to extend Trunk Highway 610 from east of TH 94 to CSAH 30. The project will consist of the construction of a new interchange at TH 94, south of the existing TH 610 interchange with TH 94 and includes improvements and realignment of Lawndale Lane. The project area is roughly 89 acres and will include approximately 20 acres of new impervious surface, triggering Rules D and E. *This item has received initial review and comments were sent to the applicant on April 18, 2023. The applicant is preparing edits and updates and this project will likely come before the Commission in June.*

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

ca. 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.

cb. 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. On October 21, 2022, Asche reported there is no update for this project.

cc. 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. Cattail and Reed canary grass reemerged during the 2021 growing season and will likely need another year of aggressive maintenance in 2022. The 2021 monitoring report will be submitted to the USACE in March 2022 with recommendations for maintenance.

cd. 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 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.

ce. 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.

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cf. 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 land-owner 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.

cg. 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 compliant 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.

ch. 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.

ci. 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.

cj. 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

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Commission approved the project at its June meeting contingent on a maintenance agreement being filed with the City with terms agreeable to the Commission. The outstanding escrow balance has been received. On October 21, 2022, Derek Asche reported there is no update for this project.

ck. 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. The Commission approved this project at its December 2021 meeting with four contingencies: 1) receipt of deficit escrows, 2) a Stormwater Maintenance Agreement, including irrigation system, being entered with the City, 3) A wetland replacement plan approved by the LGU and the TEP, and 4) the buffer plan contingent upon approval of the wetland replacement plan, per Staff findings dated August 31, 2021. The O&M Agreement was received in the administrative office on January 27, 2023.

cl. 2021-036 D&D Service, Corcoran. This 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. Conditions include: (1) payment of all review fees; (2) Corcoran TEP approval of the Wetland Mitigation Plan and the city maintains a drainage and utility easement for existing and proposed on site wetlands; (3) applicant shall consider and respond to staff comments on plan and provide final data prior to approval; (4) applicant shall respond to any City comments; and (5) applicant shall provide a Stormwater Maintenance Agreement acceptable to the city and the Commission within 90 days after the plat is recorded. On July 26, 2022, Kevin Mattson confirmed that the O&M agreement has been received and recorded.

HENNEPIN COUNTY

MINNESOTA

DATE: May 2, 2023

TO: Elm Creek Watershed Management Commission (ECWMC)

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

RE: May ECWMC Updates

Project / Program Updates

Open House

Hennepin County staff held an open house on April 13 in Hamel where they promoted a variety of programming including cost-share projects, soil health incentives, and forestry programs such as the annual tree sale. The program was headlined by a presentation by Dr. Krishona Martinson of University of Minnesota Equine Extension who gave a presentation on pasture management for horses. 36 landowners from across the county attended the program. Staff were able to talk with landowners about potential cost-share projects and are currently following up with site visits.

Van Asten Manure Bunker and Cover Crops

At the open house, one landowner in the Diamond Lake/Diamond Creek subwatershed scheduled a field visit to discuss potential cost-share projects on their property. The parcel (PID 1712022410002) at 16100 Diamond Lake Road South in Dayton is 17.76 acres of cropland close to Diamond Lake which is currently being transitioned to a homestead and pasture/market garden mix. The landowner currently has two horses, with plans to have up to eight along with cattle, chickens, goats and sheep in the near future. She also hopes to establish a farm stand to sell produce direct to consumer. This will be the last year that the acreage will be planted in soybeans before it is ultimately converted to pasture.



Figure 1- Location of parcel

Hennepin County staff discussed the possibility of a manure bunker for storage and composting since the current system is inadequate for the current volume of manure being produced and is in an area where water collects and runs away from. Staff also discussed the possibility of planting a cover crop in the fall through the soil health incentive program that would help transition away from row-crop transitions and into perennial pasture. Other potential projects discussed include fencing for rotational grazing, alternative tile intakes, filter strips, and pollinator habitat.

The current landowner is very interested in programming and recently signed a letter of intent to show willingness to get started on the project, and Hennepin County staff are currently developing pollution reduction estimates for the project to develop a cost-benefit analysis.



Figure2 – Current manure storage on-site. At capacity, and currently located in a low spot.

Mattila Manure Bunker Update

Contact with landowner was reestablished after the winter. Landowner still intends to move forward on constructing manure bunker once site conditions are acceptable this spring. Project requires a date amendment which is currently underway. Construction is estimated to begin in late May or early June.

Project Funding Table

See the table below for updates regarding projected funding for cost-share projects and overall budgeting. This will be included in future staff updates and revised as projects are designed or reimbursed. Numbers that are highlighted denote a change from the prior month, and those that are bold and italicized indicate estimated totals which have not been reimbursed.

HENNEPIN COUNTY

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Project Funding Table: Projects completed and in design which are anticipated to utilize Elm Creek Watershed Management Commission (ECWMC) funds. Amounts in 'Funding Sources' columns include costs invoiced and encumbered. Funding sources may be from a federal agency (Natural Resources Conservation Service, or NRCS), state agency (Watershed-based implementation fund (WBIF) or another grant), or local entity (ECWMC Capital Improvement Program (CIP), Hennepin County, or from the landowner).

Receiving Water(s)	Project Name	Best Mngt. Practice(s) (BMP)	Status	BMP Benefits		Cost		Cost effectiveness *		Funding Sources					
				TP (lbs/yr)	TSS (tons/yr)	Project Dev / Design	Install	\$/lb-TP/yr	\$/ton-TSS/yr	NRCS	Grant **	WBIF	CIP	Henn. Co.	Land-owner
Rush Creek	Cain Fencing	Pasture Mngt.	Installed and Complete (2022)	6.63	-	\$6,419.86	\$14,180.50	\$213.88	-	-	\$7,799.28	-	\$3,545.13	\$1,418.05	\$1,418.05
	Mattila Phase 1	Barn Gutters and Waterers	Installed and Complete (2022)	17.29	-	\$4,279.91	\$33,225.00	\$192.16	-	-	\$24,918.75	-	\$4,983.75	-	\$3,322.50
	Mattila Phase 2	Manure Bunker	Install Spring 2023	4.8	-	\$6,419.86	\$36,900	-	\$768.75	-	-	\$20,295	\$9,225	\$3,690	\$3,690
	Stotts Phase 1A	Grassed Waterways	Substantially Installed	79.44	39.72	\$8,559.82	\$120,000	\$151.05	\$302.11	-	\$74,940	-	\$14,988	-	\$9,992
	Stotts WASCOB & Waterway	WASCOB & Grassed Waterway	Installed and Complete (2021)	7.5	7.5	\$4,279.91	\$32,704.80	\$436.06	\$436.06	-	\$17,987.64	-	\$8,176.20	\$3,270.48	\$3,720.48
	Vehrenkamp WASCOB	WASCOB	Prelim. design complete	TBD ±	TBD	\$8,559.82	\$20,600	TBD	TBD	-	-	\$9,270	\$5,150	\$2,060	\$2,060
	Bottema Restorations	Wetland and Prairie Restoration	Securing permits	14.2	-	-	\$124,000	\$932.86	-	-	-	\$68,200	\$31,000	\$6,200	\$18,600
	Stotts Phase 1B	Grassed Waterways, Wetland Restoration	In design	TBD ±	TBD	\$4,279.91	TBD	TBD	TBD	-	-	TBD	TBD	TBD	TBD
Diamond Creek, Diamond Lake	Diamond Hills Pasture / Feedlot Upgrades	Fencing, Waterers, Barn Drainage	Landowner design feedback	54	1.4	-	TBD	TBD	TBD	TBD		TBD	TBD	TBD	TBD
	Van Asten Manure Bunker	Manure Bunker	Cost-Benefit Analysis			\$6,419.86	\$36,900				-	\$20,295	\$9,225	\$3,690	\$3,690
								Total Encumbered:				\$118,060	\$86,293.08	\$20,328.53	\$46,043.03
								ECWMC Funding:				\$175,000	\$100,000	-	-
								Remaining:				\$56,940.00	\$13,706.93	-	-

* Cost effectiveness is annualized over the practice life cycle, which considers the cost (install + maintenance) and benefit over the lifetime of the practice, typically 10-20 years.

** Stotts Phase 1A was completed in 2022 using the Rush Creek Headwaters Clean Water Fund Projects and Practices grant.

± TBD = To Be Determined. Projects in early design phases may not have installation costs or water quality benefits estimated yet.

Bold and Italicized text indicates projects that have encumbered funds but have not been reimbursed or invoiced.

Highlighted text indicates change from last month's report.

Hennepin County Environment and Energy

701 Fourth Ave S., Suite 700, Minneapolis, MN 55415

612-348-3777 | hennepin.us/environment

HENNEPIN COUNTY

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Other Hennepin County Programming

Healthy tree canopy grants available

Hennepin County has healthy tree canopy grants available for tree plantings, ash tree removals, tree inventories, outreach, and more. Grants are available to cities, affordable housing properties, schools, and nonprofit organizations.

Applications are due by 3 p.m. on Thursday, June 9.
[Learn more and apply.](#)

For more information, feedback on your project ideas, or help with your application, contact the Hennepin County forestry team at trees@hennepin.us.



Take survey, help shape a new ag preservation proposal

Hennepin County seeks input from farmers to develop a proposal that fits the needs of the community, its legacy, and its future

Conservation staff at Hennepin County are seeking input for a proposal to preserve agricultural land. There aren't currently good options for farmers or farmland owners wishing to avoid development in Hennepin County. Conservation staff are seeking feedback on the best ways to fill this gap. Farmers and landowners in Hennepin County enrolled in Green Acres, Agricultural Preserve, or those with an interest and involvement in agriculture are being asked to take a survey to inform the proposal.

Take the survey: hennepin.us/ag-preservation-survey. The survey takes approximately 10 minutes to complete. A printed survey with a return envelope is available upon request. Contact Kevin Ellis, kevin.ellis@hennepin.us, 612-382-3956.