

elm creek Watershed Management Commission

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

December 6, 2023

Representatives *and* Members
Elm Creek Watershed Management
Commission Hennepin County, MN

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

A regular meeting of the Elm Creek Watershed Management Commission will be held on **Wednesday, December 13, 2023, at 11:30 a.m.** in the Plymouth Community Center, 14800 34th Avenue North, Plymouth MN.

The Technical Advisory Committee will **NOT MEET** this month.

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	Rebecca Carlson	James Kujawa	Ed Matthiesen
	TAC Members	Karen Galles	Kris Guentzel	Kevin Ellis	Diane Spector
	James Monge	Brian Vlach	Grace Barcelow	Met Council	City Clerks
	Official Newspaper	DNR	MPCA	BWSR	

Z:\Elm Creek\Meetings\Meetings 2023\12 Meeting Notice .docx

+elm creek Watershed Management Commission

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

AGENDA Regular Meeting December 13, 2023

The meeting packet may be found on the Commission's website: <http://elmcreekwatershed.org/minutes--meeting-packets.html>
Plymouth Community Center, 14800 34th Avenue North, Plymouth, MN.

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.
6. New Business.
7. Communications.
 - a. Staff Report.*
 - b. Hennepin County Staff Report.*
8. Education.
 - a. WMWA - next meeting – January 9, 2024, at 8:30 a.m., via Zoom.
9. Grant Opportunities and Updates.
 - a. Dayton Ravine Stabilization project.**
10. Project Reviews.

Enclosure	Action	Project No.	Project Name
		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.
		2020-009	Stetler Barn, Medina.
		2020-017	Meadow View Townhomes, Medina.
		2020-032	Enclave Rogers - Commerce Boulevard, Rogers.
		2020-033	Weston Woods, Medina.
		2021-020	Crew Carwash, Maple Grove.
		2021-029	Tri-Care Grocery / Retail, Maple Grove
		2021-034	BAPS Hindu Temple, Medina.
		2021-036	D & D Service, Corcoran.
		2021-044	Balsam II Apartments, Dayton.

*in meeting packet
**available at meeting or on website

		2021-052	Norbella Senior Living, Rogers.
		2022-006	Hamel Townhomes, Medina.
		2022-011	Arrowhead Drive Turn Lane Expansion, Medina.
		2022-013	Dayton 94 Industrial Site, Dayton.
		2022-016	Rogers Activity Center, Rogers.
		2022-017	City Center Drive, Corcoran.
		2022-018	Big Woods, Rogers.
		2022-020	Skye Meadows Extension, Rogers.
		2022-022	Cook Lake Highlands, Corcoran.
		2022-026	Archway Building, Rogers
		2022-028	Elsie Stephens Park, Dayton.
		2022-038	Tavera North Side, Corcoran.
		2022-040	Kariniemi Meadows, Corcoran.
		2022-043	Meander Park and Boardwalk, Medina.
		2022-049	Connexus Energy Subdivision, Dayton.
		2023-01	Chankahda Trail Reconstruction Phase 2, Plymouth.
		2023-04	Medina Industrial Site, Medina.
		2023-08	Rush Creek Boulevard Interchange, Maple Grove.
		2023-09	Magnifi Financial , Maple Grove.
		2023-10	Rogers New Fire Station.
		2023-11	Sundance Greens 9 th Addition, Dayton.
		2023-13	River Valley Church, Maple Grove.
		2023-14	Bottema Wetland Restoration, Corcoran.
		2023-15	South Fork Rush Creek Restoration at Evanswood, Maple Grove.
		2023-16	Rogers South Community Park
		2023-17	Veit Pit – Sand and Gravel Mine, Rogers.
		2023-018	Brayburn Trails II, Dayton.
		2023-019	23240 County Road 30, Corcoran.
		2023-020	Dunkirk Square, Maple Grove.
		2023-021	Parks Place Memory Care, Plymouth.
		2023-022	Shores of Sylvan Lake, Rogers.
		2023-023	NORSQ, Maple Grove.
		2023-024	Elm Creek Rest Area Sidewalk Reconstruction, Maple Grove.
A	E	2023-025	Rogers Mixed-Use Improvements.
		2023-026	2024 Rogers Elementary School Site Improvements.
A	E	2023-027	500 Hamel Apartments, Medina
		2023-028	Rush Creek Hollow, Maple Grove.
A	E	2023-029	Dayton Field 4 th Addition.
		2023-030	Woodland Hill of Corcoran.

11. Other Business.

12. Adjournment.

Z:\Elm Creek\Meetings\Meetings 2023\12 Regular Meeting Agenda.docx

*in meeting packet

**available at meeting or on website

elm creek Watershed Management Commission

ADMINISTRATIVE OFFICE
3235 Fernbrook Lane
Plymouth, MN 55447

PH: 763.553.1144
email: judie@jass.biz
www.elmcreekwatershed.org

MINUTES

Regular Meeting | November 8, 2023

I. CALL TO ORDER. A meeting of the Elm Creek Watershed Management Commission was called to order at 11:32 a.m., Wednesday, October 11, 2023, in the Plymouth Community Center, 14800 34th Avenue North, Plymouth, MN, by Chair Doug Baines.

Present: Bill Walraven, Champlin; Ken Guenthner, Corcoran; Doug Baines, Dayton; Joe Trainor, Maple Grove; Terry Sharp, Medina; Catherine Cesnik, Plymouth; and David Katzner, Rogers.

Also present: Derek Asche, Maple Grove; Ben Scharenbroich, Plymouth; Erik Megow and Diane Spector, Stantec; Kevin Ellis, Hennepin County Environment and Energy (HCEE); and Judie Anderson, JASS.

II. AGENDA. Motion by Walraven, second by Sharp to approve the Agenda. *Motion carried unanimously.*

A. Motion by Guenthner, second by Sharp to approve the **Minutes* of the October 11, 2023, meeting.** *Motion carried unanimously.*

B. Motion by Guenthner, second by Sharp to approve the **November Treasurer's Report and Claims*** totaling \$9,431.51. *Motion carried unanimously.*

III. OPEN FORUM.

IV. PROJECT REVIEWS.

A. 2023-023 NORSQ, Maple Grove.* This project consists of a 23.2-acre development on a 78.9-acre site located on Garland Lane, east of Lawndale Lane and north of 95th Avenue North. The proposed development consists of an apartment building, a commercial building, and townhomes. Along with the buildings, there will be amenities and associated street and utility infrastructure. The project triggers Rules D, E, F, G, H, and I. A finding of facts memo dated October 31, 2023, included Staff's recommendation for approval conditioned on (1) escrow reconciliation, and (2) provision of a Stormwater Maintenance Agreement acceptable to the City and the Commission. Motion by Katzner, second by Trainor to approve Staff recommendations. *Motion carried unanimously.*

B. 2023-024 Elm Creek Rest Area Sidewalk Reconstruction, Maple Grove.* The proposed project is located at the Elm Creek Rest Stop along I-94, directly west of Rice Lake. The proposed project will disturb 4.3 acres and consists of the reconfiguration/replacement of concrete walkways, parking area, and deck area. The project also includes the construction/relocation of a pet exercise area as well as various picnic areas. The project triggers Rules D and E. A finding of

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

facts memo dated November 1, 2023, included Staff’s recommendation for approval conditioned on escrow reconciliation. Motion by Trainor, second by Cesnik to approve Staff’s recommendation, and, additionally, recommended that the applicant provide a BMP (i.e., infiltration/biofiltration) and Plan (installation of pet waste pick-up bags and dispenser) for the pet area as it drains to an impaired water (Elm Creek). *Motion carried unanimously.*

V. OLD BUSINESS.

VI. NEW BUSINESS.

TMDL Ten-year Review.* The Commission and Technical Advisory Committee (TAC) are in the process of developing a process by which to review the progress made toward achieving the goals of the Elm Creek Watershed TMDL (Total Maximum Daily Load) study. At the March and April meetings they reviewed the TMDL findings and a framework for potential approaches to such a review. Based on discussions at those meetings and subsequent Staff discussions, Staff have prepared the following proposed Scope of Work. They have also been in contact with local TMDL project coordinator Amy Timm at the Minnesota Pollution Control Agency (MPCA), and that agency is interested in participating in this analysis.

The Elm Creek Watershed TMDL was completed in phases between 2009 and 2014. The TMDL document and accompanying Watershed Restoration and Protection Strategies document (WRAPS) were finalized in 2015 and the reports were approved by the MPCA and the Environmental Protection Agency (EPA) in 2016.

A. The Elm Creek TMDL study addresses:

1. Seven lake *nutrient* impairments (Cowley, Sylvan, Henry, Rice, Fish, Diamond, and Goose);
2. Four stream *E. coli* impairments (lower South Fork Rush Creek, main stem Rush Creek, Diamond Creek and Elm Creek headwaters);
3. Three stream *DO* impairments (main stem Rush Creek, Diamond Creek and Elm Creek headwaters); and
4. Five stream *fish and macroinvertebrate* impairments (upper and lower South Fork Rush Creek, main stem Rush Creek, Diamond Creek and Elm Creek headwaters) with primary stressors *total phosphorus (TP) and total suspended solids (TSS)*.

B. Since completion of the Watershed TMDL, the following new or pending impairments have been identified:

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

*indicates enclosure

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 take 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.

C. When Staff have undertaken other TMDL reviews of progress, they:

1. Update watershed runoff and pollutant loading and lake response modeling to reflect most current land use information and monitoring data. 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. While there has been development in the watershed, we don't think it is significant enough to warrant updating the watershed pollutant loading models.

2. Collect new monitoring and other data to fill data gaps.

a. Lakes. The Commission has been annually monitoring four sentinel lakes – Fish, Weaver, Diamond, and Rice – and monitoring two other lakes per year on a rotating basis. Three Rivers is monitoring Sylvan and Cowley in 2023 as the “other” lakes. While the sentinel lakes have a good set of data available, it would be helpful to obtain more data on the non-sentinel impaired and other priority lakes: Sylvan, Cowley, Henry, Jubert, Dubay, Laura, and French, where there is very little data.

b. Streams. In addition to the partnership with the USGS to monitor flow and water quality on Elm Creek, the Commission currently routinely monitors flow and water quality at three sites on Elm, Rush, and Diamond Creeks. Some additional data is available at other sites in the watershed, most of it collected during the development of the TMDL or by the MPCA or DNR. There is also a good data set at Elm Creek at Hamel and Elm Creek at Elm Road in Plymouth.

c. Stream Biology. There is limited fish and macroinvertebrate data in the streams, mainly 2010 and 2020 data at a few sites on each stream completed by the MPCA and/or the DNR. Staff recommend 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.

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. Cities and others undertake actions such as structural BMPs (infiltration practices, stream restoration, alum treatments, salt pre-wetting) or nonstructural actions (enhanced street sweeping, carp management, education and outreach). When land use conversion as part of development and redevelopment requires a Commission project review, that review includes an estimate of likely load reduction from adding new treatment and abstraction of runoff. Hennepin County assists property owners in undertaking ag and animal management practices and estimates the resulting pollutant load reduction. All this data can be collected, assembled, and geolocated to document and summarize load reductions by receiving water.

4. Evaluate monitoring data to determine water quality trends and progress toward meeting goals. Three Rivers has been collecting and maintaining lake and stream data for many years, and the annual report includes figures and tables showing water quality by year. For some sites there is enough data to run some trend analysis statistics to determine if there are any statistically significant trends.

5. Review implementation strategies and recommend any course corrections. The final step is compiling the information developed in the previous tasks to provide an overall summary of actions taken and progress made to date, including quantifying how much of the required load reductions has been achieved. The Watershed Restoration and Protection Strategies (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 review identifies what has been successful and what not so successful and develops a prioritized action plan for the next several years.

D. Staff recommend the following scope of work:

1. **Task 1: Data Collection.**

Lakes. It has been the Commission’s practice to obtain at least two years’ worth of lake data in the event the first year is non-representative of conditions, so Staff recommend that Sylvan and Cowley be repeated in 2024 from the 2024 operating budget. They also recommend that Henry, Jubert and French be monitored in 2024 as a supplement to the routine 2024 monitoring, and that those lakes are repeated in 2025. In 2025 undertake the first year of monitoring Dubai and Laura from the 2025 operating budget. The CAMP program can fill in where volunteers are available on other lakes.

Streams. There are long-term routine monitoring sites on Elm (EC77), Diamond (DC), and Rush (RT) Creeks, and Plymouth contracts with Three Rivers for ongoing monitoring on upper Elm Creek at Hamel, Elm Road, and Peony Lane. North Fork and South Fork Rush Creek above their confluence were monitored during development of the TMDL, but there has been little monitoring since that time. These sites are downstream of ongoing development as well as previous and current subwatershed assessments. Staff recommend that the Commission monitor South Fork (RC101) and North Fork (RC116) in 2024 and 2025 to assess any change since they were last monitored prior to the TMDL. This monitoring would require an amendment to the contract with Three River which runs through 2024 as well as some adjustment to the costs for 2025 under a new contract.

Cost. Lakes: \$4,746 in 2024 and \$4,746+ in 2025. Streams, \$6,524 in 2024 and \$6,524 in 2025. TOTAL: \$11,270 in 2024 and \$11,270+ in 2025

2. **Task 2: Compile Load Reduction Data.** This task would be collecting and compiling information on load reductions completed in the watershed, and mapping and summarizing those reductions by drainage area. This includes three subtasks.

a. Obtain information from the cities, Three Rivers, and the County

regarding any structural and non-structural load reduction BMPs completed in the watershed, their locations and load reductions. If reductions are not available, Staff would prepare an estimate.

b. Compile load reductions and geo-referencing development in the watershed since the monitoring for the TMDL was completed. Data has been compiled since 2015, but project locations must be digitized. Pre-2015, only lists of project reviews exist, so Staff will have to compile that data for about 200 project reviews.

c. Partner with Hennepin County to compile and track ag projects completed in the watershed and update the animal unit counts in the watershed.

Cost: \$10,896, to be completed by August 1, 2024

3. Task 3: Evaluate Monitoring Data. This task has two subparts:

a. Work with Three Rivers to undertake statistical trend analysis where there is a good data set to determine if there are any statistically significant trends.

b. Compile, summarize, and document other data collected in the watershed by the MPCA, DNR, and others to add context and robustness to Three Rivers' dataset.

Cost: \$3,216, to be completed by December 31, 2024

4. Task 4: Review Implementation Strategies. The WRAPS report identified actions the various stakeholders could take to make progress toward the TMDL. This task includes at least two meetings of the TAC and Commission to review findings and discuss potential actions and strategies for their implementation.

Cost: \$7,220, to be completed by December 31, 2024

5. Task 5: Final Report. The final task is to summarize all the information collected, compiled, and developed during this process into a final report. The report will present the load reductions achieved and other actions completed within the drainage area to each Impaired Water by city. This will be the basis to determine how much progress has been made and how much additional work would be necessary to achieve water quality standards.

The report will set forth the revised, prioritized implementation strategies, their costs, potential sources of funding, and responsible parties. The final report will be available to incorporate into the Commission's Fourth Generation Watershed Management Plan that will be underway at about the same time, as well as the member cities' upcoming local water plans, and will be provided to the MPCA.

Cost: \$5,596, draft by April 1, 2025, final by December 31, 2025

Last spring, Staff estimated the cost of this review would be about \$40,000. As they have been able to review data availability more comprehensively and the scope of work involved, Staff's revised cost estimate is \$26,928 for Stantec analytical work and \$22,540 (potentially adjusted for new rates in 2025) for additional lake and stream monitoring by Three Rivers.

At the end of 2022 the Commission had a balance of \$181,817 in the fund account assigned for projects or studies. \$9,468 of that amount was encumbered in 2023 to match WBIF grant funds, leaving an available balance of about \$172,349. Staff recommend this as the funding source.

Table 1. Estimated cost to complete the proposed scope of work.*

Task	Three Rivers		Stantec	TOTAL
	2024	2025**		
1. Data Collection	\$11,270	\$11,270**		\$22,540*
2. Compile Data			\$10,896	\$10,896
3. Evaluate Monitoring Data			\$3,216	\$3,216
4. Review Implementation Strategies			\$7,220	\$7,220
5. Final Report			\$5,596	\$5,596
TOTAL	\$11,270	\$11,270*	\$26,928	\$49,468*

*This fee estimate has been prepared on a time and materials basis, per the Terms and Agreements set forth in Stantec’s Professional Services Agreement dated March 5, 2021, and will not exceed the amount indicated without prior authorization from the Commission.

**Cost may increase based on Three Rivers’ 2025-2026 contract.

Motion by Guenther, second by Cesnik to approve the scope of work at \$49,468 from the fund balance assigned for projects or studies and authorize Staff to prepare an amendment to the contract with Three Rivers to add \$11,270 to the 2024 services for additional lake and stream monitoring. *Motion carried unanimously.*

VII. EDUCATION AND PUBLIC OUTREACH.

The **West Metro Water Alliance (WMWA)** will meet via Zoom at 8:30 a.m., November 14, 2023.

VIII. GRANT OPPORTUNITIES.

Applications are being accepted through November 14, 2023, for Hennepin County **Good Steward Grants**.* Good Steward Grants are primarily for smaller projects that improve water quality, enhance natural areas and promote environmental stewardship to the community. All landowners are eligible to apply, including individuals, nonprofit and non-governmental organizations, local government agencies, and businesses.

IX. COMMUNICATIONS. The following communications have been received:

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 November 1, 2023, report.

B. Hennepin County Staff Report.*

1. Bottema Wetland Restoration Update, Corcoran. County staff are working on reimbursing the landowner for grant-eligible costs.

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

2. Mattila Manure Bunker, Corcoran. Landowner has been reimbursed for BMP implementation. The manure bunker will be inspected in one year. Previous projects installed in 2022 (barn gutters and livestock waterers) will be inspected in November as part of the one-year review.

3. Christian Settling Basin, Dayton. Hennepin County staff completed an assessment of the wetland area directly to the east of the proposed BMP site. A Technical Evaluation Panel (TEP) is currently being assembled for review and recommendations. Installation of the settling basin is on-track for Winter 2023/2024.

4. Stotts 1B. County staff met with landowner, neighbor, and engineer to review proposed plans for a water and sediment control basin (WASCOB) and wetland restoration, making slight adjustments to the location of the WASCOB to allow for equipment crossing. The WASCOB will be moved closer to the property line with the neighbor at request of the landowner. The engineer is currently making edits to plans based on proposed feedback.

5. Other County Programming.

a. Good Steward Grants. (See VIII, above.)

b. Become a Minnesota Water Steward. Become a champion for clean water in your community! [Minnesota Water Stewards](#) is a program that certifies and supports community leaders to prevent water pollution and educate community members to conserve and protect our waterways. [Applications](#) to join the 2024 Hennepin County cohort of Minnesota Water Stewards are due November 30. Upcoming [virtual information sessions](#) are scheduled for Tuesday, November 7 at 5 p.m. and Tuesday, November 21 at noon. For more information, contact Alex Van Loh at avanloh@freshwater.org.

C. Hennepin County Green Notes.* Describes other programs being sponsored or promoted by the County.

X. Other Business.

XI. Adjournment. There being no further business, the meeting was adjourned at 12:50 p.m.

Respectfully submitted,



Judie A. Anderson
Recording Secretary

JAA:tim

Z:\Elm Creek\Meetings\Meetings 2023\November 8 Regular meeting minutes .docx

elm creek Watershed Management Commission

Regular Meeting Minutes | November 8, 2023

Page 8

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.
2020-009	Stetler Barn, Medina.
2020-017	Meadow View Townhomes, Medina.
2020-032	Enclave Rogers - Commerce Boulevard, Rogers.
2020-033	Weston Woods, Medina.
2021-020	Crew Carwash, Maple Grove.
2021-029	Tri-Care Grocery / Retail, Maple Grove
2021-034	BAPS Hindu Temple, Medina.
2021-036	D & D Service, Corcoran.
2021-044	Balsam II Apartments, Dayton.
2021-052	Norbella Senior Living, Rogers.
2022-006	Hamel Townhomes, Medina.
2022-011	Arrowhead Drive Turn Lane Expansion, Medina.
2022-013	Dayton 94 Industrial Site, Dayton.
2022-016	Rogers Activity Center, Rogers.
2022-017	City Center Drive, Corcoran.
2022-018	Big Woods, Rogers.
2022-020	Skye Meadows Extension, Rogers.
2022-022	Cook Lake Highlands, Corcoran.
2022-026	Archway Building, Rogers
2022-028	Elsie Stephens Park, Dayton.
2022-038	Tavera North Side, Corcoran.
2022-040	Karinieimi Meadows, Corcoran.
2022-043	Meander Park and Boardwalk, Medina.
2022-049	Connexus Energy South Dayton Substation.
2023-001	Chankahda Trail Reconstruction Phase 2, Plymouth.
2023-002	Lynde Greenhouse Fire Damage Repair, Maple Grove.
2023-004	Medina Industrial Site, Medina.
2023-008	Rush Creek Boulevard Interchange, Maple Grove.
2023-009	Magnifi Financial, Maple Grove.
2023-010	Rogers New Fire Station.
2023-011	Sundance Greens 9th, Dayton.
2023-013	River Valley Church, Maple Grove.
2023-014	Bottema Wetland, Corcoran.
2023-015	Sou517
2023-016	Rogers South Community Park.
2023-017	Veit Pit, Rogers.
2023-018	Brayburn Trails II, Dayton.
2023-019	23240 County Road 30, Corcoran.
2023-020	Dunkirk Square, 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

elm creek Watershed Management Commission

Regular Meeting Minutes | November 8, 2023

Page 9

2023-021	Park Place Memory Care Phase II, Plymouth.
2023-022	Shores of Sylvan Lake, Rogers.
2023-023	NORSQ, Maple Grove.
2023-024	Elm Creek Rest Area Sidewalk Reconstruction, 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

Elm Creek Watershed Management Commission Treasurer's Report

		2023 Budget	Nov 2023	Dec 2023	2023 Budget YTD
EXPENSES					
Administrative		100,000	8,373.07	7,990.53	109,206.81
Grant Writing		0			0.00
Website		2,000	18.75	93.75	1,370.91
Legal		2,000		124.00	589.00
Audit		6,500			6,800.00
Insurance		4,000			3,784.00
Miscellaneous/Contingency		0			0.00
Technical Support - HCEE		20,000		6,948.12	11,479.38
HUC-8 Floodplain Mapping		0			0.00
Technical - Project Review		184,000		13,853.25	96,350.53
Technical - Other		70,000		11,233.25	81,978.22
Project Review - Admin Support		16,000	1,004.00	914.72	16,090.74
Stream Monitoring USGS		24,000			32,400.00
Stream Monitoring TRPD		10,020			0.00
Biological Monitoring		4,500			0.00
DO Longitudinal Survey		2,400			0.00
Partnership Biomonitoring Project (Comm sha		2,000			0.00
Rain Gauge		440	33.44	32.50	355.43
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	0.75		842.87
WMWA General Activities		5,000			3,000.00
WMWA Implementation/Watershed Prep		4,500			2,000.00
Rain Garden Wkshops/Intensive BMPs/Special Proj		2,000			4,000.00
Macroinvertebrate Monitoring-River Watch		0			0.00
Studies / Project ID / SWA		0			14,750.00
CIPs General		3,000	1.50		1,523.37
Rush Creek SWA Implementation		106,050			0.00
Plan Amendment		2,000			580.12
Contribution to 4th Gen Plan		12,500			0.00
Transfer to (from) Capital Projects (see CIP Tr		291,638			131,430.57
Transfer to (from) Cash Sureties (see below)			-	-	0.00
Transfer to (from) Grants (see below)		125,000	-	20,738.00	158,941.20
To Fund Balance					0.00
TOTAL - Month			9,431.51	61,928.12	674,472.40
TOTAL Paid in 2023, incl late 2022 Expenses		1,014,165.00	643,221.29	705,149.41	2023 Paid

Elm Creek Watershed Management Commission Treasurer's Report

		2023 Budget	Nov 2023	Dec 2023	2023 Budget YTD
INCOME					
Project Review Fee		184,000	23,000.00		148,706.25
Refund Project Fee					(13,445.00)
Project Review Base Fee			1,000.00		3,000.00
Nonrefundable Admin		16,000	1,150.00		7,103.00
Nonrefundable Technical		17,000	1,840.00		10,825.00
Water Monitoring - TRPD Co-op Agmt		6,500			0.00
Member Dues		250,000			250,000.00
Interest/Dividends Earned		750	7,833.24		77,281.66
<i>Transfer to (from) Capital Projects (see CIP Tr</i>		291,638	154.66		308,742.04
<i>Transfer to (from) Grants (see below)</i>		125,000	-	-	249,965.50
Rush Creek SWA Implementation		79,537			0.00
<i>Transfer from Assigned Fund Balance</i>		26,513			
Misc Income / Contingency		0			
<i>From Unrestricted Cash Reserves</i>		17,227			
Total - Month			34,977.90	0.00	1,042,178.45
TOTAL Rec'd 2023, incl late 2022 Income		1,014,165.00	1,062,206.60	1,062,206.60	2023 Received
CASH SUMMARY					
		Balance Fwd			
Checking		0.00			
4M Fund		1,399,787.64	1,818,772.95	1,756,844.83	
Cash on Hand			1,818,772.95	1,756,844.83	
Claims Presented					
		General Ledger Account No	November	December	TOTAL
Campbell Knutson - Legal		521000		124.00	124.00
Connexus - Rain Gauge		551100		32.50	32.50
Hennepin County Treasurer					6,948.12
HCEE Technical-Public Inquiries & Conservatio		578200		6,948.12	
Stantec					45,824.50
Technical - Project Review		578050		13,853.25	
Technical - Other		578050		11,233.25	
South Fork Rush Creek SWA (23 WBIF)		584006		19,080.50	
N Fork Rush Creek Remeander Feasibility		584006		1,657.50	
JASS					8,999.00
Administration		511000		7,853.78	
TAC Support		511000		136.75	
Website		581000		93.75	
Project Review Admin Support		578100		239.72	
Project Reviews - Project Specific Admin		578100		675.00	
Education		590000			
CIPs General		563001			
TOTAL CLAIMS					61,928.12

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
October 31, 2023
Account # 1448-0000G
246

RE: GENERAL MATTERS
SERVICES RENDERED TO DATE:

			HOURS		
10/18/2023	JJM	Review cooperative subgrant agreement.	0.80		124.00
		AMOUNT DUE	0.80		124.00
		TOTAL CURRENT WORK			124.00
		PREVIOUS BALANCE			\$294.50
04/17/2023		Payment - thank you			-124.00
05/22/2023		Payment - thank you			-170.50
		TOTAL PAYMENTS ON ACCOUNT			-294.50
		TOTAL AMOUNT DUE			<u>\$124.00</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
October 31, 2023
Account # 1448G

SUMMARY STATEMENT

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



Account Number: 481113-238425
ELM CREEK WATERSHED MGMT ORG

Monthly Statement

Service Address
ELM CREEK RD
DAYTON MN

Total Amount Due	Due Date
\$32.50	December 13, 2023

Billing Summary Billing Date: Nov 17, 2023

Previous Balance	\$33.44
Payments - Thank You!	\$33.44
Balance Forward	\$0.00
New Charges	\$32.50
Total Amount Due	\$32.50

Message Center

New Metro Taxes

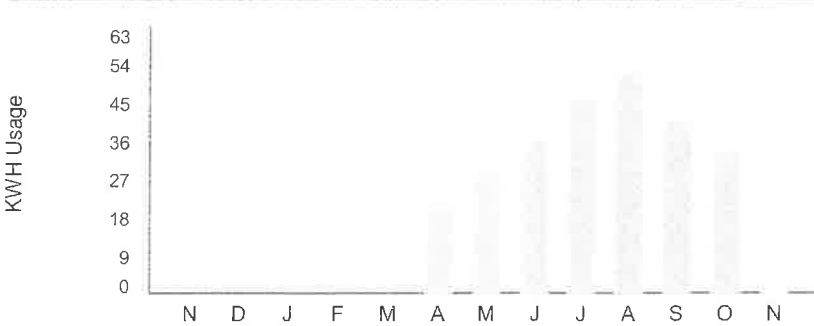
Effective October 1, 2023, you'll notice a new tax line item(s) on your monthly bill. The Minnesota Department of Revenue administers this tax. For questions on the Metro Area Sales Tax or the Metro Area Transportation tax, please contact the Minnesota Department of Revenue.

Cold Weather Rule

The CWR helps protect residential energy customers from service disconnection from October 1st through April 30th. Resources are available from the county to help with your utility bills. Call 211 for information. The CWR does not relieve you of your responsibility to pay your utility bills. For more information go to connexusenergy.com.

Payment must be received on or before December 13, 2023

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-006807/005904 VG3523 S1-ET-M1-C00002



Account Number: 481113-238425
Total Amount Due \$32.50
Payment Due By December 13, 2023

006807 1 AB 0.534 002812/006807/005904 023 02 VG3523
ELM CREEK WATERSHED MGMT ORG
3235 FERNBROOK LN N
PLYMOUTH MN 55447-5325



Connexus Energy
PO Box 1808
Minneapolis, MN 55480-1808





HENNEPIN COUNTY
 Public Works General
 Services
 612-543-1121
 300 South 6th Street, MC 131
 Minneapolis, MN 55487

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

Page: 1
 Customer Number: 0000010608
 Invoice Number: 1000215085
 Invoice Date: 11/06/2023

Total Amount Due: \$6,948.12
Due Date: 12/06/2023

Date	Description	Quantity	Unit Amount	Net Amount
07/01/2023 -09/30/2023	2023 Invoice 2	1.00	\$6,948.12	\$6,948.12

Balance Due: \$6,948.12

There is a \$30.00 service charge on all returned checks. Civil penalties may be imposed for non-payment, per Minnesota State Statute 604.113.

Please return the bottom portion with your check made payable to: Hennepin County Treasurer.

HENNEPIN COUNTY
 612-543-1121

Customer Number: 0000010608
 Invoice Number: 1000215085

Payment Due Date: 12/06/2023

Amount Due: \$6,948.12

Amount Enclosed:

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

Remit To:
 Hennepin County Accounts Receivable
 300 South Sixth Street
 Mail Code 131
 Minneapolis, MN 55487

2HNPWS00000106081000215085000000006948126



Hennepin County
Public Works

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

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

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

Invoice

Date
10/31/23

Contract
A2311707

Description	Total Amount Due
2023 Invoice 2 (July 1 – September 30)	
Task 2: Public Inquiries and Conservation Promotion	
<ul style="list-style-type: none"> • Hours: 203 • Value: \$13,896.24 <ul style="list-style-type: none"> ○ 50%: \$6,948.12 ○ Amount due: \$6,948.12 • Task 2 NTE: \$20,000 • Task 2 Remaining: \$8,520.62 	\$6,948.12
	AMOUNT DUE \$6,948.12

Make check payable to: Hennepin County Treasurer

Invoice (please include as reference on payments): 1000215085

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

Direct questions to: Karen Galles 612-235-0712



INVOICE

Invoice Number 2152291
Invoice Date November 2, 2023
Purchase Order --
Customer Number 167501
Project Number 227705925

Bill To

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

Please Remit To

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

Project	South Fork Rush Creek Subwatershed Assessment		
Project Manager	Megow, Erik Robert	Contract Upset	66,351.00
Current Invoice Total (USD)	11,359.75	Amount Billed to Date	38,842.75
		For Period Ending	October 20, 2023

Top Task	100	SFRC SWA			
<u>Professional Services</u>					
Category/Employee			Current Hours	Current Rate	
				Current Amount	
		Campbell, Patricia A (Patty)	0.25	133.00	33.25
		Hyams, Aaron Robert	14.50	133.00	1,928.50
		Beneke, Thomas S (Tom)	26.00	172.00	4,472.00
		Megow, Erik Robert	10.50	172.00	1,806.00
		Spector, Diane F	16.00	195.00	3,120.00
		Subtotal Professional Services	<u>67.25</u>		<u>11,359.75</u>
Top Task Subtotal	SFRC SWA				11,359.75
		Total Fees & Disbursements			<u>11,359.75</u>
		INVOICE TOTAL (USD)			11,359.75

Net Due in 30 Days or in accordance with terms of the contract



INVOICE

Invoice Number 2152290
Invoice Date November 2, 2023
Purchase Order —
Customer Number 167501
Project Number 227705635

Bill To

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

Please Remit To

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

Project	Elm Creek WMO Services		
Project Manager	Megow, Erik Robert	Contract Upset	254,000.00
Current Invoice Total (USD)	12,468.75	Amount Billed to Date	144,579.69
		For Period Ending	October 20, 2023

Accounting to email att: Judie Anderson at judie@jass.biz; Beverly@jass.biz

Top Task 101 **General Services**
Low Task 101.2023.001 **Prereviews and Inquiries**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Megow, Erik Robert	6.75	172.00	1,161.00
Subtotal Professional Services	<u>6.75</u>		<u>1,161.00</u>

Low Task Subtotal **Prereviews and Inquiries** 1,161.00

Low Task 101.2023.002 **Meetings**
Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Megow, Erik Robert	5.00	172.00	860.00
Weigel, Eileen J	0.25	187.00	46.75
Subtotal Professional Services	<u>5.25</u>		<u>906.75</u>

Low Task Subtotal **Meetings** 906.75

Low Task 101.2023.003 **Other Services**
Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Beneke, Thomas S (Tom)	1.50	172.00	258.00
Megow, Erik Robert	8.00	172.00	1,376.00
Cantarero, Nicolas A (Nico)	0.50	187.00	93.50
Spector, Diane F	14.75	195.00	2,876.25
Subtotal Professional Services	<u>24.75</u>		<u>4,603.75</u>

Invoice Number 2152290
Invoice Date November 2, 2023
Purchase Order ---
Customer Number 167501
Project Number 227705635

Low Task Subtotal **Other Services** 4,603.75

Top Task Subtotal General Services 6,671.50

Top Task 200 2023 Project Reviews

Low Task 200.2022.043 Meander Park

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Megow, Erik Robert	2.00	172.00	344.00
Subtotal Professional Services	2.00		344.00

Low Task Subtotal **Meander Park** 344.00

Low Task 200.2023.022 Shores of Sylvan Lake

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Truong, Kaitlen Nguyen (Kaitlin)	0.50	142.00	71.00
Megow, Erik Robert	7.50	172.00	1,290.00
Subtotal Professional Services	8.00		1,361.00

Low Task Subtotal **Shores of Sylvan Lake** 1,361.00

Low Task 200.2023.023 NORSQ Maple Grove

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Wochenske, Jordan	8.25	133.00	1,097.25
Megow, Erik Robert	9.00	172.00	1,548.00
Subtotal Professional Services	17.25		2,645.25

Low Task Subtotal **NORSQ Maple Grove** 2,645.25

Low Task 200.2023.024 Elm Creek Rest Area, Maple Grove

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Wochenske, Jordan	7.00	133.00	931.00
Megow, Erik Robert	3.00	172.00	516.00
Subtotal Professional Services	10.00		1,447.00

Invoice Number	2152290
Invoice Date	November 2, 2023
Purchase Order	--
Customer Number	167501
Project Number	227705635

Low Task Subtotal	Elm Creek Rest Area, Maple Grove	1,447.00
Top Task Subtotal	2023 Project Reviews	5,797.25
	Total Fees & Disbursements	<u>12,468.75</u>
	INVOICE TOTAL (USD)	12,468.75

Due upon receipt or in accordance with terms of the contract



INVOICE

Invoice Number 2164423
Invoice Date December 1, 2023
Purchase Order --
Customer Number 167501
Project Number 227705925

Bill To

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

Please Remit To

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

Project	South Fork Rush Creek Subwatershed Assessment		
Project Manager	Megow, Erik Robert	Contract Upset	66,351.00
Current Invoice Total (USD)	7,720.75	Amount Billed to Date	46,563.50
		For Period Ending	November 24, 2023

Top Task	100	SFRC SWA			
<u>Professional Services</u>					
Category/Employee			Current Hours	Rate	Current Amount
			Hyams, Aaron Robert	7.50	133.00 997.50
			Beneke, Thomas S (Tom)	17.50	172.00 3,010.00
			Megow, Erik Robert	6.00	172.00 1,032.00
			Spector, Diane F	13.75	195.00 2,681.25
			Subtotal Professional Services	<u>44.75</u>	<u>7,720.75</u>
Top Task Subtotal	SFRC SWA				7,720.75
			Total Fees & Disbursements		<u>7,720.75</u>
			INVOICE TOTAL (USD)		7,720.75

Net Due in 30 Days or in accordance with terms of the contract



INVOICE

Invoice Number 2164422
Invoice Date December 1, 2023
Purchase Order --
Customer Number 167501
Project Number 227705924

Bill To

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

Please Remit To

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

Project	North Fork Rush Creek Remeander Feasibility		
Project Manager	Megow, Erik Robert	Contract Upset	37,550.00
Current Invoice Total (USD)	1,657.50	Amount Billed to Date	11,169.75
		For Period Ending	November 24, 2023

Top Task	100	Remeander Project
Low Task	100.05	Basis of Design Memorandum

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Spector, Diane F	8.50	195.00	1,657.50
Subtotal Professional Services	<u>8.50</u>		<u>1,657.50</u>

Low Task Subtotal **Basis of Design Memorandum** 1,657.50

Top Task Subtotal Remeander Project 1,657.50

Total Fees & Disbursements 1,657.50

INVOICE TOTAL (USD) 1,657.50

Net Due in 30 Days or in accordance with terms of the contract



INVOICE

Invoice Number 2164421
Invoice Date December 1, 2023
Purchase Order --
Customer Number 167501
Project Number 227705635

Bill To

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

Please Remit To

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

Project	Elm Creek WMO Services		
	Project Manager	Megow, Erik Robert	Contract Upset
	Current Invoice Total (USD)	12,617.75	Amount Billed to Date
			For Period Ending November 24, 2023
			254,000.00
			157,197.44

Accounting to email att: Judie Anderson at judie@jass.biz; Beverly@jass.biz

Top Task 101 **General Services**
Low Task 101.2023.001 **Prereviews and Inquiries**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Megow, Erik Robert	9.00	172.00	1,548.00
Subtotal Professional Services	<u>9.00</u>		<u>1,548.00</u>

Low Task Subtotal **Prereviews and Inquiries** 1,548.00

Low Task 101.2023.002 **Meetings**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Megow, Erik Robert	3.50	172.00	602.00
Subtotal Professional Services	<u>3.50</u>		<u>602.00</u>

Low Task Subtotal **Meetings** 602.00

Low Task 101.2023.003 **Other Services**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Setnor, Lisa Marie	0.75	142.00	106.50
Megow, Erik Robert	5.75	172.00	989.00
Spector, Diane F	6.75	195.00	1,316.25
Subtotal Professional Services	<u>13.25</u>		<u>2,411.75</u>

Low Task Subtotal **Other Services** 2,411.75

Invoice Number 2164421
Invoice Date December 1, 2023
Purchase Order --
Customer Number 167501
Project Number 227705635

Top Task Subtotal General Services 4,561.75

Top Task **200** **2023 Project Reviews**

Low Task **200.2023.022** **Shores of Sylvan Lake**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Truong, Kaitlen Nguyen (Kaitlin)	1.00	142.00	142.00
Megow, Erik Robert	1.00	172.00	172.00
Subtotal Professional Services	2.00		314.00

Low Task Subtotal Shores of Sylvan Lake 314.00

Low Task **200.2023.023** **NORSQ Maple Grove**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Wochenske, Jordan	6.25	133.00	831.25
Megow, Erik Robert	6.50	172.00	1,118.00
Subtotal Professional Services	12.75		1,949.25

Low Task Subtotal NORSQ Maple Grove 1,949.25

Low Task **200.2023.024** **Elm Creek Rest Area, Maple Grove**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Megow, Erik Robert	9.50	172.00	1,634.00
Subtotal Professional Services	9.50		1,634.00

Low Task Subtotal Elm Creek Rest Area, Maple Grove 1,634.00

Low Task **200.2023.025** **Duffy's Mixed-Use, Rogers**

Professional Services

Category/Employee	Current Hours	Rate	Current Amount
Megow, Erik Robert	3.00	172.00	516.00
Subtotal Professional Services	3.00		516.00

Low Task Subtotal Duffy's Mixed-Use, Rogers 516.00

Low Task **200.2023.026** **2024 Rogers Elementary School Site Improvements**

Professional Services



INVOICE

Invoice Number	2164421
Invoice Date	December 1, 2023
Purchase Order	--
Customer Number	167501
Project Number	227705635

Category/Employee		Current Hours	Rate	Current Amount
	Wochenske, Jordan	9.50	133.00	1,263.50
	Megow, Erik Robert	5.00	172.00	860.00
	Subtotal Professional Services	<u>14.50</u>		<u>2,123.50</u>

Low Task Subtotal	2024 Rogers Elementary School Site Improvements	2,123.50
-------------------	--	----------

Low Task **200.2023.027** **500 Hamel Apartments, Medina**

Professional Services

Category/Employee		Current Hours	Rate	Current Amount
	Fesenmaier, Mark Gregory	6.25	133.00	831.25
	Megow, Erik Robert	4.00	172.00	688.00
	Subtotal Professional Services	<u>10.25</u>		<u>1,519.25</u>

Low Task Subtotal	500 Hamel Apartments, Medina	1,519.25
-------------------	-------------------------------------	----------

Top Task Subtotal	2023 Project Reviews	8,056.00
-------------------	----------------------	----------

Total Fees & Disbursements	<u>12,617.75</u>
---------------------------------------	------------------

INVOICE TOTAL (USD)	12,617.75
----------------------------	------------------

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

6-Dec-23

Total by
Project Area

Administrative		70.00	0.00	
Administrative	35.290	75.00	2,646.75	
Admin - offsite	2.770	80.00	221.60	
Handbook		75.00	0.00	
Office Support	22.00	200.00	4,400.00	
Storage Unit - .47	1.00	183.77	183.77	
Data Processing/File Mgmt		75.00	0.00	
Drop Box Subscription		120.00	0.00	
Archiving		70.00	0.00	
Reimbursables	401.66	1.00	401.66	7,853.780
Administrative - TAC support		70.00	0.00	
Administrative - TAC Support	1.78	75.00	133.50	
Admin - TAC support		80.00	0.00	
TAC support - reimbursables	3.25	1.00	3.25	136.750
Website		70.00	0.00	
Website	1.25	75.00	93.75	
Web Domain, hosting		1.00	0.00	
Website - Zoom		1.00	0.00	93.750
Annual Reporting	15.89	75.00	1,191.75	
Annual Reporting / Work Plans		75.00	0.00	
Annual Reporting/Work Plans - reimbursables	1.50	1.00	1.50	1,193.250
Project Reviews - Secre		70.00	0.00	
Project Reviews - Admin	2.88	75.00	216.00	
Project Reviews - Admin Project Specific	9.00	75.00	675.00	675.00
Project Reviews - Admin offiste		80.00	0.00	
Project Reviews - Admin - File Mgmt		75.00	0.00	
Project Reviews - reimbursables	23.72	1.00	23.72	239.720
				10,192.250
Note:	\$1,193.25, Annual Reporting, occurred this month but will be paid in 2024.			-1,193.250
				8,999.000

Rogers Mixed-Use Improvements Rogers, Project #2023-025

Project Overview:

Location: The applicant is redeveloping a 1.94-acre parcel in Rogers, MN. The proposed development is located at the Northwest corner of main street (CR 150) and Church Avenue and is bordered by John Deer Lane on the North and the Burlington Norther Railroad on the southwest. The parcel lies in the watershed draining north to The Crow River.

Purpose: Duffy Development Company, Inc. is proposing a mixed-use development to replace the existing land use which consists of both consolidated and unconsolidated parking with buildings. The applicant is proposing to redevelop the entire site and increase pervious area by 7,841 square feet (0.18 acres). Existing pervious on site is 0.15 acres, and proposed is 0.33 acres. The project includes stormwater facilities for phase ii which includes a building expansion on the central 0.33 acre separate parcel. Provided the development of the 0.33 acre parcel aligns with impervious and stormwater routing proposed, the second portion of the project may just require erosion control permit prior to construction, but that will be determined as it is submitted for review.

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

Applicant:	Duffy Development Company, Inc.	<i>Attention:</i>	Jeff Von Feldt
<i>Address:</i>	12708 Wayzata Blvd, Suite 400 Minnetonka, MN 55305	<i>Phone:</i>	763-639-5143
		<i>Email:</i>	jvonfeldt@duffydevelopment.com

Agent:	Stantec Consulting Services, Inc.	<i>Attention:</i>	Michael Himmerich
<i>Address:</i>	733 Marquette Ave. S. Ste 1000 Minneapolis, MN 55402	<i>Phone:</i>	763-252-8640
		<i>Email:</i>	michael.himmerich@stantec.com

Exhibits:	Description	Date Received
<i>Application</i>	<input checked="" type="checkbox"/> Complete ECWMC Application	10/30/2023
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	10/26/2023

<input checked="" type="checkbox"/> City authorization: Rogers, MN	10/24/2023
<input checked="" type="checkbox"/> Review fee: \$5,900*	10/30/2023
<input type="checkbox"/> Project Documents (site plans, reports, models, etc.)	10/27/2023

Submittals

1. Stormwater Management Hydrologic and Hydraulic Study dated 10/26/2023 by Stantec with narrative, summaries, drainage areas, HydroCAD and P8 modeling output for existing and proposed conditions.
2. HydroCAD model existing and proposed files.
3. Site plans with Stormwater Pollution Prevention Plan by Stantec dated 10/26/2023.
4. Geotechnical Exploration Report by Haugo Geotechnical Services dated 4/5/2022.
5. Response Action Plan and Construction Contingency Plan, dated March 1, 2022 by Stantec.

Findings

General

1. A complete application was received October 30, 2023. The initial 60-day decision period per MN Statute 15.99 expires December 29, 2023.
2. The existing 1.94 acre Rogers parcel is proposed for conversion from paved areas and buildings to a 4 story assisted living facility with parking and stormwater utilities. Some exiting condition paved areas are unconsolidated which can export significant amounts of sediment.
3. The project will disturb 2.2 acres resulting in 1.85 acres of impervious in Rogers, 1.55 acres of these acres are new or reconstructed impervious. (Please note, the reported impervious accounts for proposed development of the adjacent 0.33 acre lot, as well as the subject 1.94 acre parcel).

Rule D – Stormwater Management

General

1. The site is located in the sub-watershed draining to the Crow River. On site flow drains to the north and east into City Storm Sewers; to the west onto a neighboring parcel without a drainage easement before it enters city storm sewers; southern drainage is overland to a BNSF railroad ditch.
2. A geotechnical exploration report by Haugo GeoTechnical Services dated April 5, 2022 determined there were silty clay soils consistent with C/D soils on site which will require the use of filtration instead of abstraction. Groundwater was encountered at 946 and 950 elevations (NAVD 88). Confidence in groundwater elevations reported was low due to the cohesive nature of the soils and the lack of extended observation.
3. Two underground storage pipe detention systems will be used for rate control and to optimize removal for a proposed Up-Flo Filter. Pre-treatment is achieved through sump manholes. The net reduction in on-site impervious also supports rate control.
4. Contaminated soils are present on site, the applicant provided an MPCA-approved Response Action Plan and Construction Contingency Plan which details construction support methods to detect and manage contamination.

5. Low Floor Elevations for grading meet the Commission’s requirements to be than 2.0 feet above the 100-year elevation and 1.0 foot above the emergency overflow elevation to adjacent water features.

Water Quality Controls

1. Water quality controls **will meet** Commission requirements.
2. Water quality loads are estimated using the P8 model for computation.
3. The applicant proposes a combination of impervious area reduction if 10,164 square feet, sump manholes for pretreatment, underground detention, and a manufactured water quality filter (Up-Flo Filter by Hydro International).

Loads	Existing	Proposed (without treatment)	Proposed (with treatment)
TP (lbs)	5.2	**	2.0
TSS (lbs)	1,597.7	**	180.0

Rate Controls

1. Proportions of existing and proposed flow increase slightly to the east. City was contacted and they will advise if they have concerns about the discharge rates. Overland flow to the BNSF ditch is eliminated. All other flows are reduced relative to existing conditions.
2. HydroCAD modeling shows rate controls for the 2-year and 10-year event **meet** Commission requirements.

Table 1 Rate of Discharge Leaving Site – Rogers Mixed-Use Improvements

Existing Flow (CFS)					
Event	N	E	S	W	Aggregate
2 YR (2.87" 24 hr)	3.1	0.1	2.6	3.4	9.2
10 YR (4.27" 24 hr)	4.7	0.1	3.9	5.2	13.9
100 YR (7.21" 24 hr)	8.3	0.2	6.8	9.0	24.3
Proposed Flow (CFS)					
Event	N	E	S	W	Aggregate
2 YR (2.87" 24 hr)	1.2	0.4	0	0.1	1.7
10 YR (4.27" 24 hr)	2.6	0.6	0	0.1	3.3
100 YR (7.21" 24 hr)	6.3	1.2	0	0.3	7.8
Change in Flow (CFS)					
Event	N	E	S	W	Aggregate
2 YR (2.87" 24 hr)	-1.9	0.3	-2.6	-3.3	-7.5
10 YR (4.27" 24 hr)	-2.1	0.5	-3.9	-5.1	-10.6
100 YR (7.21" 24 hr)	-2	1	-6.8	-8.7	-16.5

Abstraction Controls

1. Abstraction controls **meet** Commission requirements.
2. New and reconstructed impervious area will be 67,647 square feet, which is a net reduction of impervious of 10,164 cubic feet.
3. The total infiltration/ filtration volume for 1.1 inches totals 6,201 cubic feet which is provided by the proposed proprietary filtration system.

Rule E – Erosion and Sediment Control

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. Stormwater retention chambers with pre-treatment sumps
 - d. Stabilization of disturbed soil areas for interim and final conditions.

Recommendation

Motion: For the Commission meeting, staff recommends approval of project #2023-025 with the following condition(s):

1. *[Standard Condition]* Approval is contingent upon payment of all review fees. Additional payment may be required if the review cost exceeds escrow payment(s) submitted by the applicant.
2. *The applicant shall provide a Stormwater Maintenance Agreement that is acceptable to the city and the ECWMC within 90 days after the plat is recorded.*

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

11/21/2023
Date

Attachments

- Figure 1 Site Location Map
- Figure 2 Aerial Imagery
- Figure 3 Existing Drainage Pattern Map
- Figure 4 Proposed Drainage Pattern and Grading Plan
- Figure 5. Soil Contaminants
- Figure 6. Groundwater Contaminants

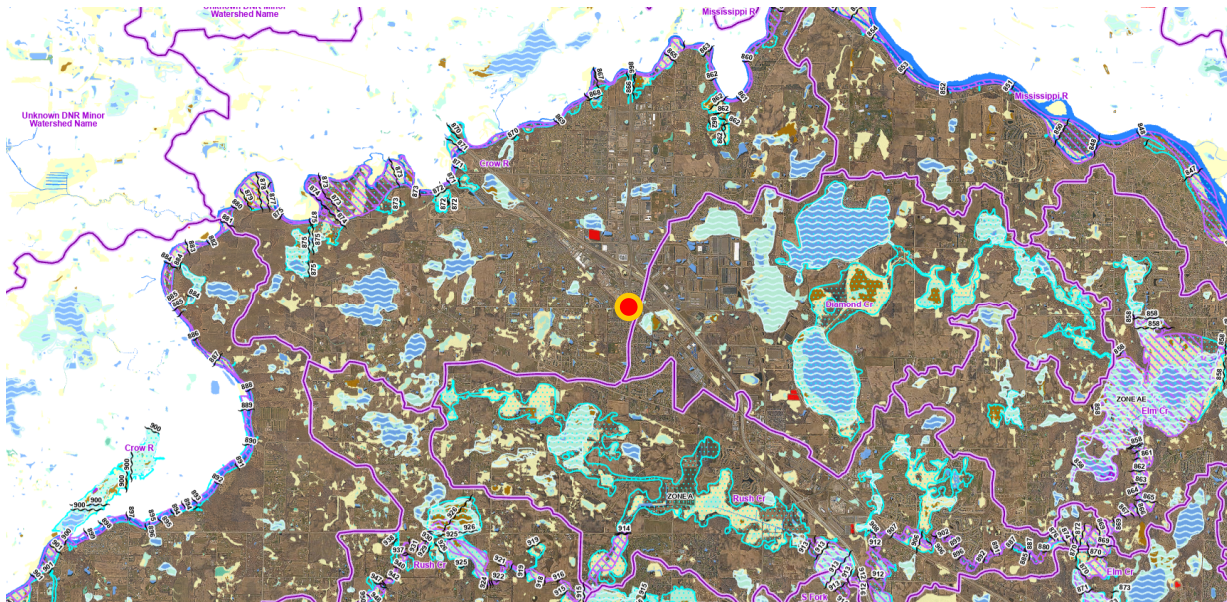


Figure 1 Site Location Map

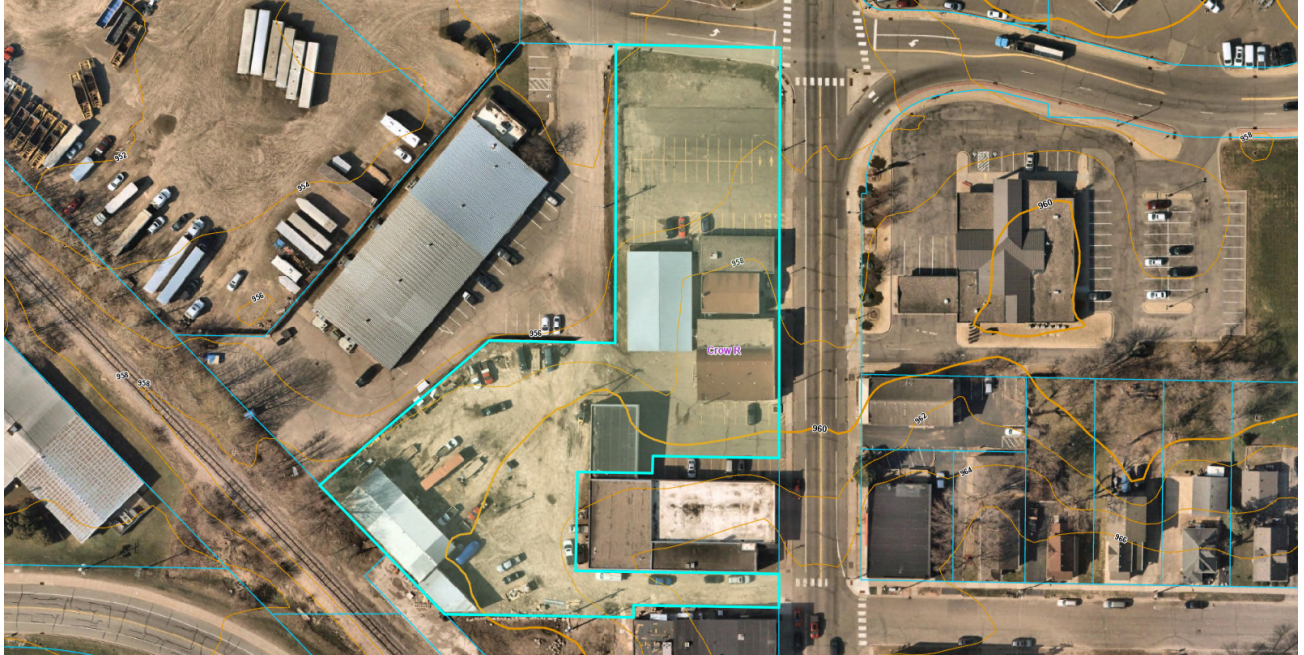


Figure 2 Aerial Imagery

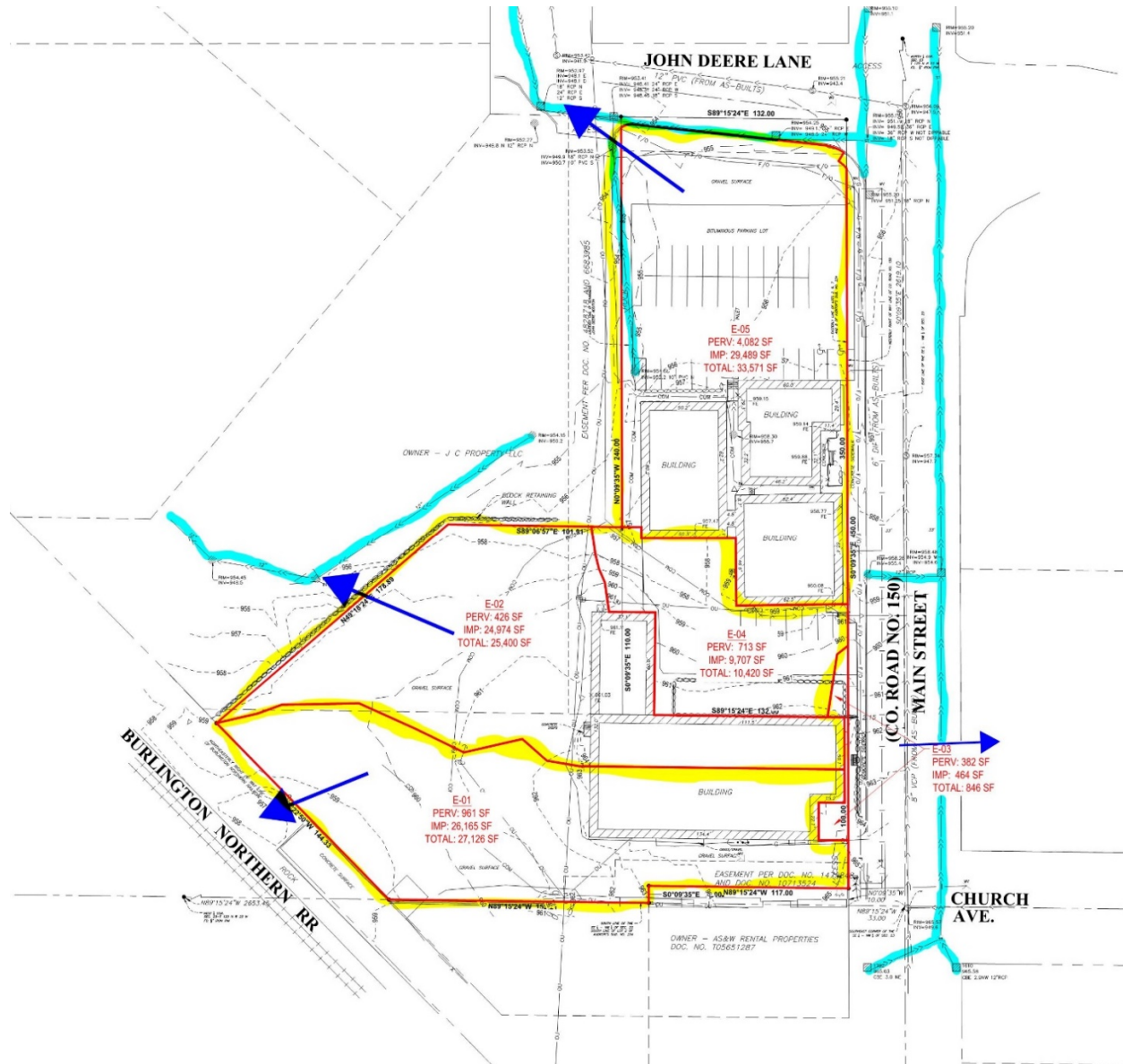


Figure 3 Existing Drainage Pattern Map

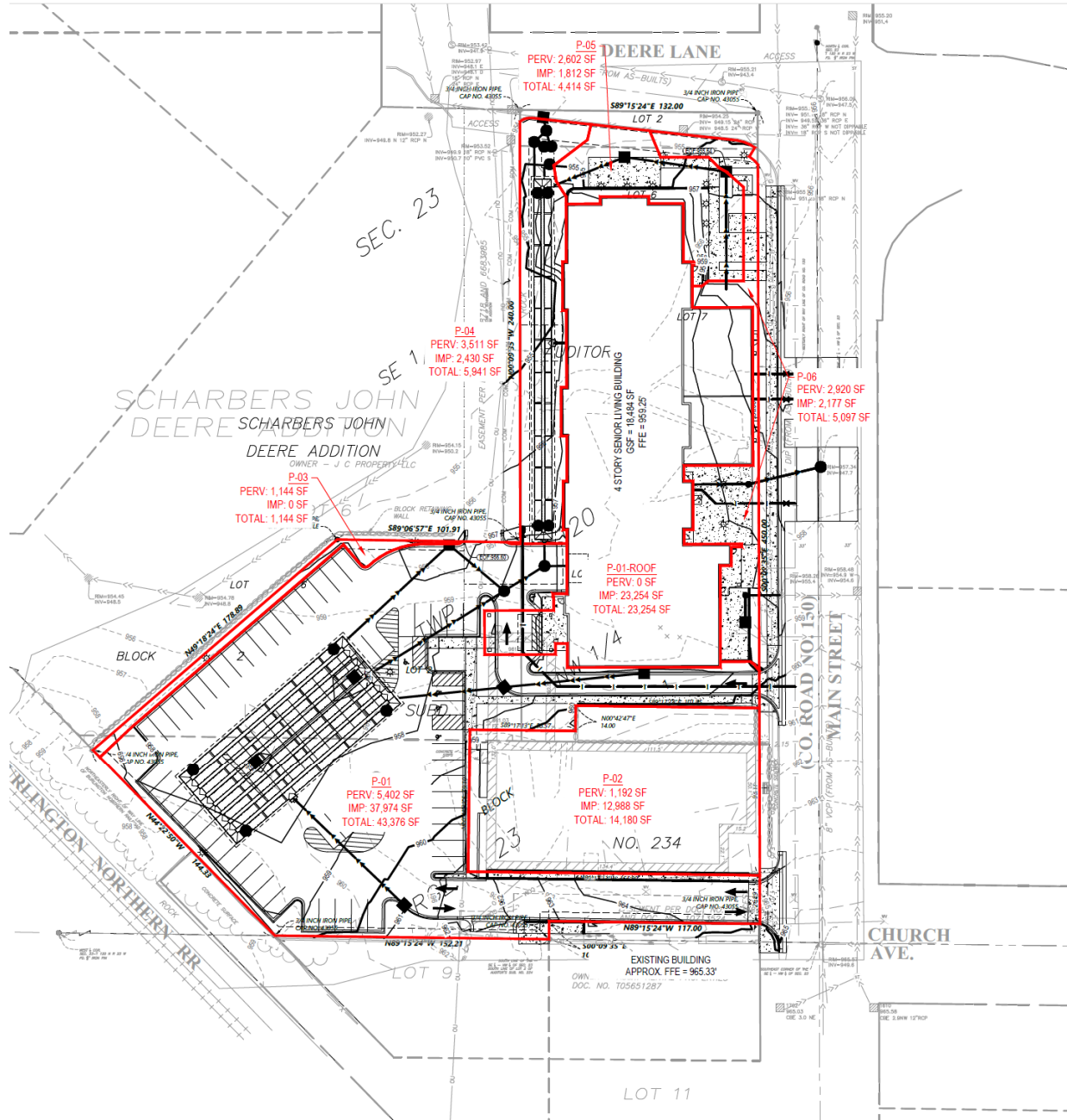


Figure 4 Proposed Drainage Pattern & Grading Plan

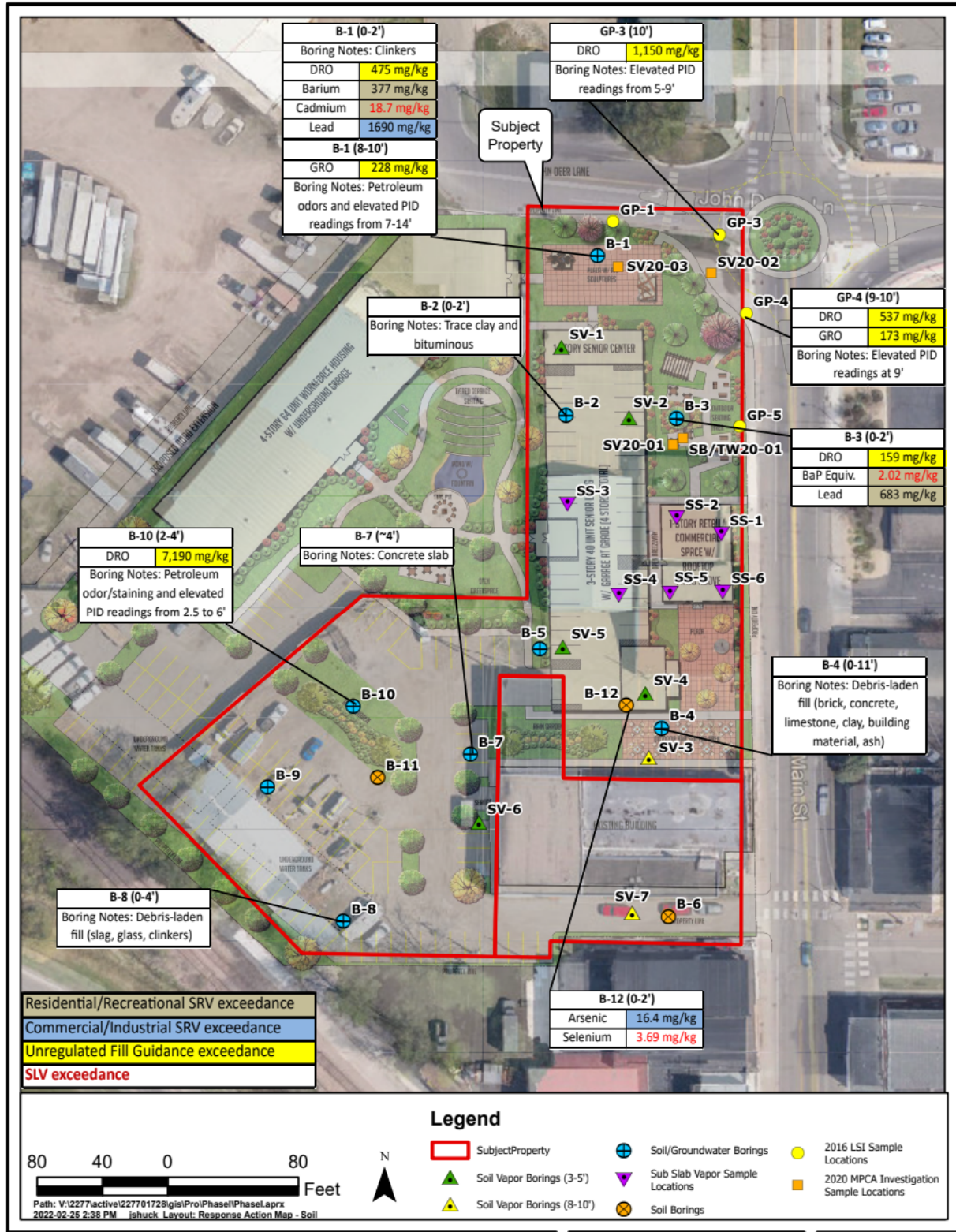


Figure 5 Contaminant Hydrogeology - Soils

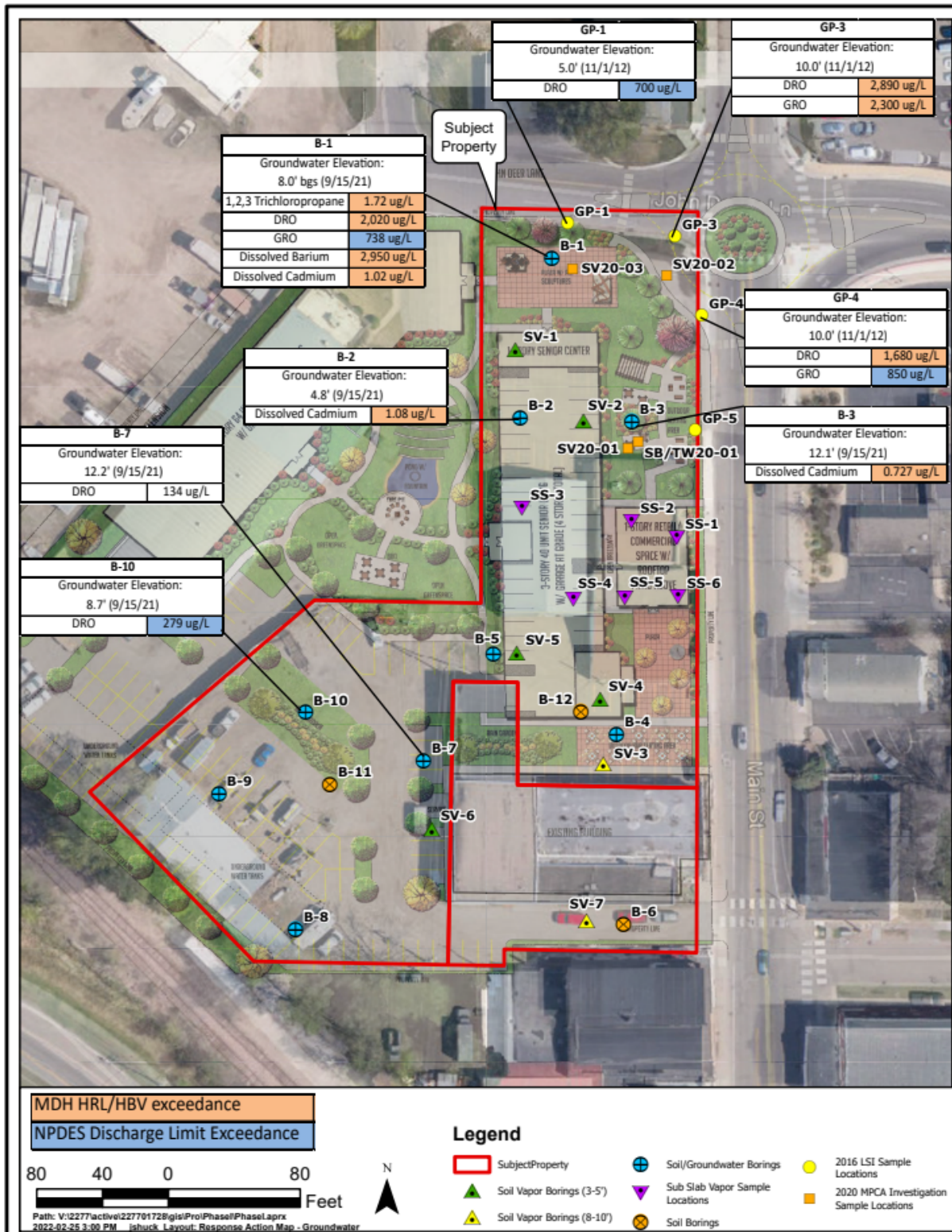


Figure 6 Contaminant Hydrogeology - Groundwater

elm creek Watershed Management Commission

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

500 Hamel Apartments #2023-027

Project Overview:

Location: The proposed project site is west of Elm Creek and south of Highway 55 at 500 Hamel Road in Medina, MN.

Purpose: The project is proposed on an undeveloped 6.73-acre site and will disturb 4 acres to construct an 89-unit residential building including utilities, paved parking, sidewalks, and a small onsite stormwater management basin.

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

Applicant: Mark Buchholz
Address: 4379 33rd Ave. S #121
Fargo, MN 58014

Attention: Mark Buchholz
Phone: (701) 371-1646
Email: mark@buchprop.com

Agent: Todd Olin
Address: 14260 23rd Ave N
Plymouth, MN 55447

Attention: Todd Olin
Phone: (763) 340-0699
Email: toddo@landandresource.com

Exhibits:	Description	Date Received
<i>Application</i>	<input checked="" type="checkbox"/> Complete ECWMC Application	November 15, 2023
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	November 15, 2023
	<input checked="" type="checkbox"/> City authorization: Medina, MN	October 24, 2023
	<input checked="" type="checkbox"/> Review fee: \$7,030	November 15, 2023
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	November 28, 2023

Submittals

1. Stormwater Narrative, dated November 8th, 2023, prepared by Land and Resource Consulting.
2. Resubmitted Construction Plans and Models, dated November 28th, 2023, prepared by Land and Resources Consulting.
3. ECWMC Application, dated November 15th, 2023, prepared by Mark Buchholz.

Findings

General

1. A complete application was received November 15th, 2023. The initial 60-day decision period per MN Statute 15.99 expires January 14th, 2023.
2. The existing 6.73-acre site is undeveloped property that consists of an existing regional basin to the west to be used for stormwater management, a filtration basin to the northwest, and a wetland to the north. Highway 55 is located on the north side of the wetland and filtration basin, Hamel Road is located to the south of the site, and Elm Creek is on the east side of the adjacent private resident.
3. The proposed development of the site consists of construction of parking lots, walkways, apartment building, and utilities.
 - a. General drainage outlets of the site will remain the same as the existing condition.
4. The project is proposing to construct/create approximately 2.05 acres of impervious surface.
5. Stormwater management for this project is provided by an existing regional basin to the west of the site.
6. There are no Elm Creek Watershed jurisdictional floodplains or stream crossings that will be disturbed by the project.

Rule D – Stormwater Management

General

1. The total proposed constructed impervious surface from proposed buildings, walkways, parking area, picnic areas, and sidewalks is 2.05 acres, all of which is net, new impervious.
2. Based on the geotechnical report, site soils are primarily loamy and reside in hydrologic soil group C.
3. Stormwater runoff is directed to the existing regional pond to best possible ability.

Rate Controls

1. Rate control **meets** Commission requirements.
2. The existing regional basin was designed to treat the proposed Hamel Apartments site and was sized to draw down within 48 hours.
3. Rate control is met via the existing regional basin. The applicant provided HydroCAD model output for the 2-year, 10-year, and 100-year events total outflow from each outlet. The rates are summarized in Table 1 below.

Table 1 Rate of Discharge Leaving Site

Direction	Condition	2-year (cfs)	10-year (cfs)	100-year (cfs)
West <i>To Reginal Pond</i>	WSB Proposed	10.38 (1-year)	25.51	46.66
	Proposed	8.06 (1-year)	24.18	46.62
	Change	-2.32 (1-year)	-1.33	-0.04
North <i>Direct to Wetland</i>	Existing	5.82	10.92	22.45
	Proposed	5.36	9.66	19.14
	Change	-0.46	-1.26	-3.31
South <i>Direct to Hamel Road</i>	Existing	2.24	4.57	10.06
	Proposed	2.19	3.89	7.65
	Change	-0.05	-0.68	-2.41
TOTAL	Existing	18.44	41	79.17
	Proposed	15.61	37.73	73.41
	Change	-2.83	-3.27	-5.76

Low Floor Elevations

1. Low floors **meet** Commission requirements.
2. The proposed apartment building garage FFE is 981.0, 1-foot above the normal water level of the adjacent existing regional basin, 980.0. This does not meet the 2' freeboard requirement for the 100-year HWL of the regional basin, 983.6, therefore the Darcy's Law calculation was conducted to show the structure is outside of the lateral transmissivity zone of groundwater flow mounding caused by the 100-year event. The calculation (shown in the Stormwater Narrative) showed the 48-hour draw down period of the pond is shorter than the lateral transmissivity time needed for water to travel to the building.

Abstraction Controls and Water Quality

1. Abstraction and Water Quality controls **meet** Commission requirements
 - a. A MIDS model was prepared for water quality using the 2.05 acres of new impervious area.

Table 2 Water Quality Summary

	Annual Runoff Vol. (ac-ft)	Abstraction Vol. (cubic feet)	TP* (lbs/year)	TSS* (lbs/year)
Pre-Project	2.1	0	1.74	315.1
Proposed (w/ BMP's)	5.4	10,861 (8,186 required)	0.88	125.8
Change	-3.3	2675 (excess)	-0.86	-189.3

*These values were provided by staff modeling

Rule E – Erosion and Sediment Control (plans)

1. Plans **meet** the Commission requirements for erosion and sediment control.
2. Construction entrances were not identified on the plan sheets, however, they are included in the SWPPP and the specifications. The applicant and engineer will allow the selected contractor to best locate the installation of the construction entrances.
3. The erosion and sediment control plans are consistent with current best management practices, including:
 - a. Silt fence
 - b. Storm drain inlet protection
 - c. Stabilization of disturbed soil areas

Rule I – Buffer Strips

1. Buffer strips **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 does meet the Commission's requirements.
 - c. The buffer strip is at least 25-feet wide in all locations with a slope shallower than 6:1 (horizontal: vertical) and meets the Commission's minimum (10 feet) and average (25 feet) standard.

Recommendation

Approval with two conditions.

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. Provide discharge locations of roof drains showing that the roof of the building will drain to the regional basin.

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



Date 12/6/2023

Attachments

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

Figure 1 Project Location

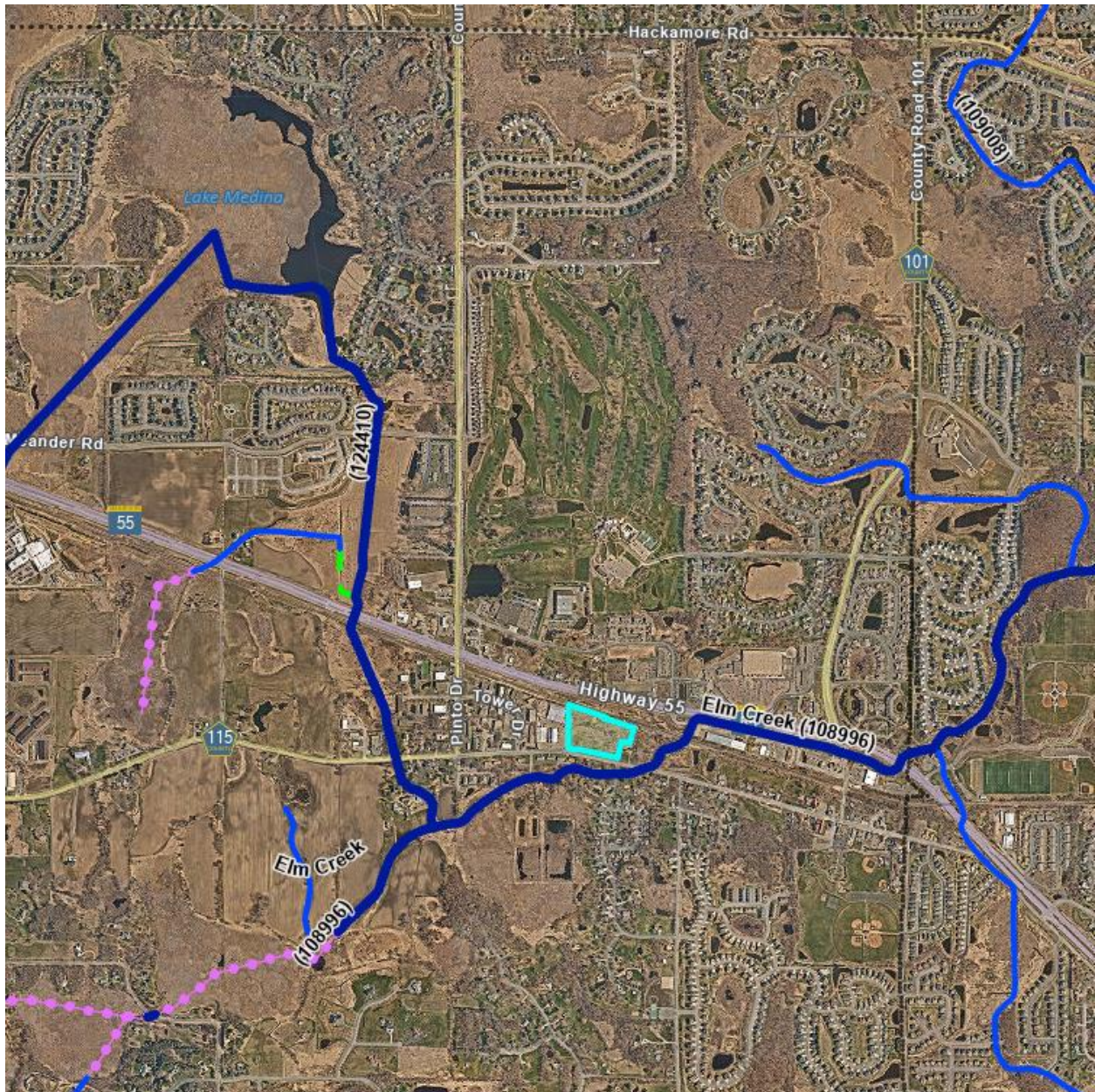


Figure 2 Existing Drainage Map

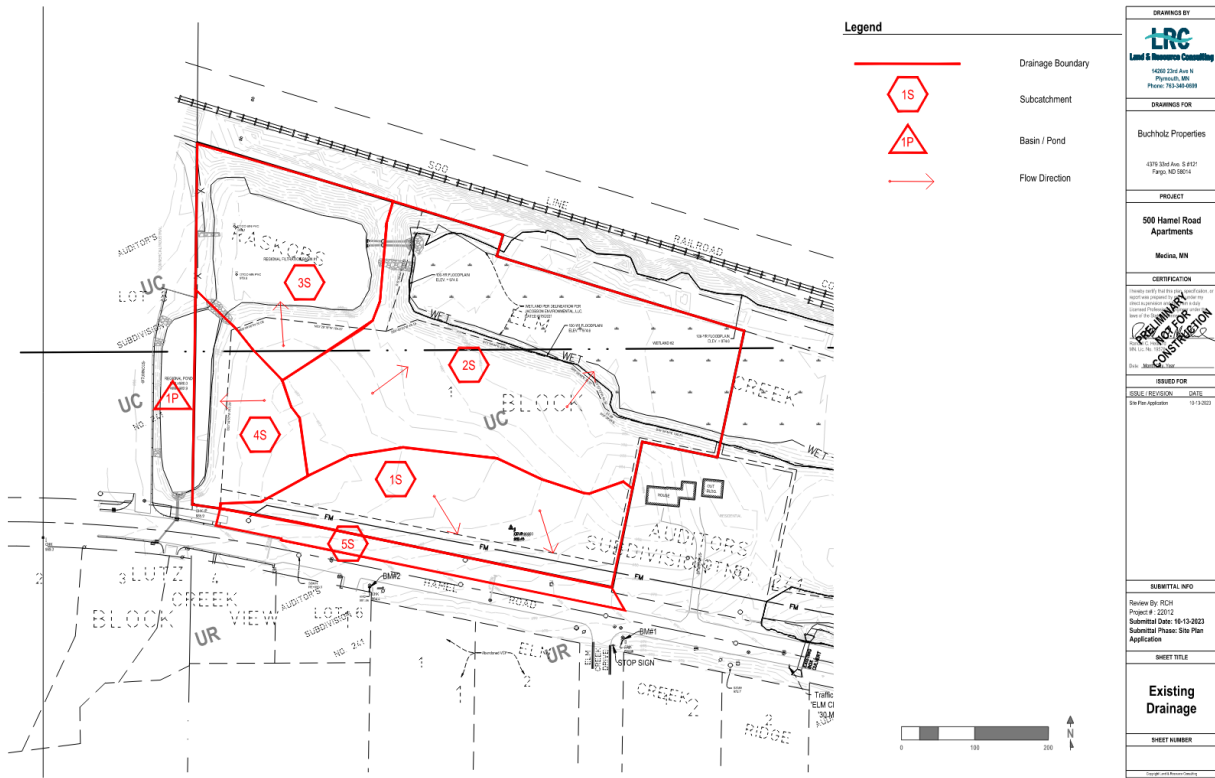


Figure 3 Proposed Drainage Plan

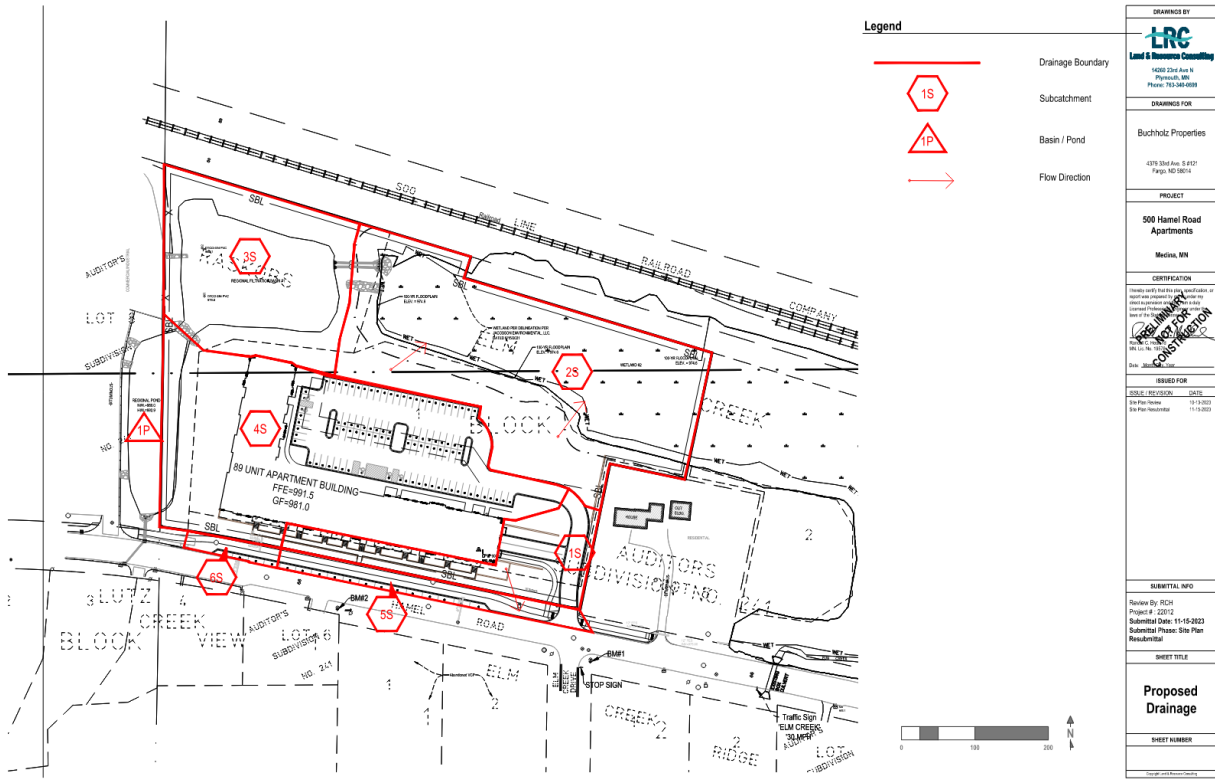
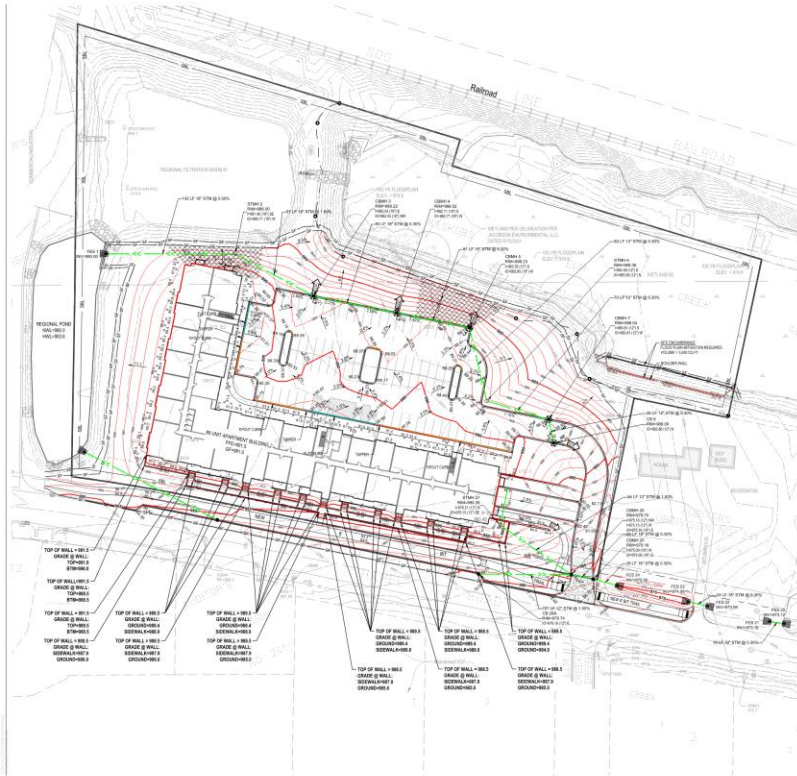


Figure 4 Proposed Grading Plan



General Grading & Erosion Control Notes

- For surveying and construction staking, contact Land & Resource Consulting 763.340.0900.
- Erosion control measures shall be installed prior to the start of construction.
- Install silt protection, silt fence or CO rocks or approved equal. Inspect, clean and maintain silt protection through the course of construction.
- Soil stabilization and grading practices shall be reviewed and staged as much as possible. Restoration and revegetation shall be completed in accordance with the SDPPP site requirements or better.
- All erosion control practices shown are to be considered the minimum. Additional erosion control practices, measures and materials may be necessary to stabilize sediment within the construction site during active construction.
- All grading, erosion/stabilization control shall be in accordance with the minimum SDPPP rules or Sheet 3.1.
- Inhibition areas shall be protected during the course of construction to prevent migration of sediment into the infiltration areas. Sediment must be removed from the basin bottom and the surface shall be repaired and scarified to achieve the original infiltration rates.
- Retaining wall over 4' in height requires structure engineer design.
- Surface stabilization and turf shall meet the following standards:
 Seed: MDOOT 305
 Soil: MDOOT 307A
 Apply MN Type 25-111 @ 100 lb./acre - Temporary Erosion Control (May 1 - July 31)
 Apply MN Type 25-112 @ 100 lb./acre - Temporary Erosion Control (Aug. 1 - Oct. 31)
 Apply MN Type 25-101 @ 125 lb./acre - Permanent Turf
 Install MN Type 1 @ 2 tons/acre - Disc anchored
 Erosion Control Blanket: MDOOT 385
 Install MN Type 2A (2' x 6') or Type 4A (2' x 4')
 Fertilizer: MDOOT 381
 Apply in accordance with product literature. MN
- Refer to Geotechnical Investigation completed by Independent Testing Technologies, Inc. (IT2) dated 07/11/2023 for grading, backfill, soil conditions, compaction and groundwater conditions. Contact IT2 during the course of construction to obtain material and compaction testing.
- Clear and grub construction areas. Stockpile topsoil for reuse.
- See detail sheet CT 2 for minimum pavement sections for parking area and trail.

Legend

SYMBOL	DESCRIPTION	ESTIMATED QUANTITY
(Symbol)	Silt Fence	3150 Lf
(Symbol)	Silt Protection	5 ea
(Symbol)	Vehicle Trucking Pad	1 ea
(Symbol)	Erosion Control Blanket	
(Symbol)	Proposed Pump	
(Symbol)	Spot Elevation	
(Symbol)	Top of Curb	
(Symbol)	Flat Curb	

1 ARCHITECTURAL ELEMENT INCORPORATED IN RETAINING WALL
 NO SCALE

1" = 40'
 0 40 80
 811
 State of Minnesota's Building Code
 Call before you dig.

DRAWN BY

 Land & Resource Consulting
 1630 2nd Ave N
 Plymouth, MN
 Phone: 763.340.0900

DRAWINGS FOR
 Buchholz Properties
 4375 13th Ave, S #101
 Fargo, ND 58104

PROJECT
 500 Hamel Apartments
 Medina, MN

CERTIFICATION
 I hereby certify that I am a duly licensed Professional Engineer in the State of Minnesota and that I am the author of the design shown on this drawing.

 Date: 12/6/2023

ISSUED FOR
 PRELIMINARY NOT FOR CONSTRUCTION

DATE
 11-15-2023
 11-15-2023
 11-15-2023

SUBMITTAL INFO
 Review By: PCN
 Project #: 22012
 Submittal Date: 11-27-2023
 Submittal Phase: Plan
 Resubmittal

SHEET TITLE
 Grading, Drainage, & Erosion Control Plan

SHEET NUMBER
 C3.0

elm creek Watershed Management Commission

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

Dayton Field 4th Addition Dayton, Project #2023-029

Project Overview:

Location: This 15.05-acre site is located southwest of the intersection of West French Lake Road and 121st Avenue North in the City of Dayton, MN.

Purpose: The applicant proposes construction of two office warehouses (38,200 square feet and 40,200 square feet respectively) with associated driveways, parking and stormwater management facilities on the 15.05 acre parcel. The proposed project disturbs 10.5 acres, creating 5.639 acres of new impervious. The parcels drains a total of 55.5 acres primarily to the northeast, to French Lake and then Diamond Creek.

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

Applicant:	Landspec Fund 3 LLC	Attention:	Jon Rausch
<i>Address:</i>	5229 Minnetoga Terrace, Minnetonka, MN 55343	Phone:	612-685-8288
		Email:	jon.Rausch@cushwake.com

Agent:	Contour Civil Design LLC	Attention:	Joe Radach
<i>Address:</i>	8195 Vernon Street Rockford, MN 55373	Phone:	612-730-2265
		Email:	jradach@contourcd.com

Exhibits:	Description	Date Received
<i>Application</i>	<input checked="" type="checkbox"/> Complete ECWMC Application	11/27/2023
	<input checked="" type="checkbox"/> ECWMC Request for Review and Approval	11/27/2023
	<input checked="" type="checkbox"/> City authorization: Corcoran, MN	11/21/2023
	<input checked="" type="checkbox"/> Review fee: \$7,030* (applicant submitted \$7,030)	11/27/2023
	<input checked="" type="checkbox"/> Project Documents (site plans, reports, models, etc.)	11/27/2023

Submittals

1. Stormwater Management Report dated 9/1/2023, revised 11/17/2023 by Contour Civil Design, LLC with narrative, summaries, HydroCAD modeling output for existing and proposed conditions and MIDS Calculation (347 pages).
2. Braun Intertec Soils report dated August 2nd, 2023 for the north site, and a GZA GeoEnvironmental, Inc. soils data dated August 30, 2023 for the south site.
3. Plans for Quality Trusted Commercial New Office/ Shop dated 9/1/223 updated 11/17/2023 by Contour Civil Design.
4. Plans for J&A Glass & Mirror New Office Shop dated 9/1/223 updated 11/17/2023 by Contour Civil Design.
5. Existing and proposed HydroCAD models were provided by the applicant via email December 1, 2023.
6. An approved notice of decision under the Wetland Conservation Act dated 11/14/2023 was provided by the City of Dayton for credits to mitigate the impacted wetland proposed.

Findings

General

1. A complete application was received November 27, 2023. The initial 60-day decision period per MN Statute 15.99 expires January 26, 2024.
2. The existing site is a combination of agricultural land, wooded areas and wetland with no existing impervious on site.
3. The project disturbs 10.5 of the 15.05 acre lot creating 5.64 acres of new impervious.
4. The geotechnical reports for both development sites show sandy lean clays under the top soil which is consistent with D soils on site. The applicant proposes filtration to meet the Commission abstraction requirements.
5. Three biofiltration basins using iron enhanced sand filters are proposed to meet commission requirements to manage peak flows, treat stormwater.
6. There are no Elm Creek Watershed Jurisdictional floodplains or stream crossings within this site.
7. There are two NWI wetlands on site. A seasonally flooded basin/ flat area on the northwest portion of the north site which is roughly 2.8 acres of which a delineation showed ___ sf of wetland, and a shallow open water basin that lies in between and on both sites which is about an acre and is drained to the north by a ditch.
8. Wetland fill is proposed on the northern most wetland area in the amount of 4,733 square feet.
9. Slopes on site range from 2% to 11%.
10. Low Floor Elevations meet the Commission's requirements to be than 2.0 feet above the 100-year elevation and 1.0 foot above the emergency overflow elevation to adjacent water features.

Rule D – Stormwater Management

General

1. Existing site drainage includes significant run-on from off-site: 55.5 acres drains from the west and south through the site. The site and run-on drains to French Lake.

2. The southern part of the property drains to the north County Road 30 ditch. Most of the eastern part of the property drains to the northeast.
3. Proposed conditions largely maintain the run-on condition from the west and the ultimate site drainage.
4. Three iron enhanced sand filtration basins with pre-treatment sump manholes are proposed to control flow rates and provide water quality treatment for the change in land use on this site.
5. On-site soil borings show D soils on site meaning abstraction requirements will be met through filtration.

Water Quality Controls

1. Water quality controls **will meet** Commission requirements.
2. Water quality loads are estimated using the MIDS model for computation.
3. The applicant uses 3 biofiltration ponds with iron enhanced sand filters to meet the requirement.

Loads	Existing	Proposed (without treatment)	Proposed (with treatment)
TP (lbs/ yr)	4.39	11.64	4.36
TSS (lbs/yr)	798	2,114	400

Rate Controls

1. The site and run-on from the west all drains to French Lake, a small portion of the site draining to an adjacent parcel prior to draining to French Lake.
2. Modeling shows rate controls for the 2-year and 10-year event **meet** Commission requirements, and that the relative amounts draining to the adjacent parcel in existing a proposed conditions are similar.

Table 1 Rate of Discharge Leaving Site – To French Lake

Condition	Existing (cfs)	Proposed (cfs)
2-year	33	33
10- year	70	67
100- year	142	141
10D Event	24	22

Table 2 Rate of Discharge East

Condition	To Adjacent Parcel
-----------	--------------------

	Existing (cfs)	Proposed (cfs)
2-year	5.2	2.6
10- year	11	4.1
100- year	24	16
10D Event	1.9	22

Abstraction Controls

1. Abstraction controls **meet** Commission requirements.
2. New impervious areas will be 5.639 acres of new impervious area requiring an infiltration/ filtration volume of 22,517 cubic feet to meet the 1.1 inch requirement over the new impervious. Three Filtration BMPs are proposed to meet the requirement providing 26,528 cubic feet of filtration with pretreatment sumps in the manholes. The ponds are designed to draw down in 15 hours.

Table 3 Filtration Volume Provided

BMP	Filtration Volume (CF)
11P	12,197
21P	3,572
31P	10,759
TOTAL	26,528

Rule E – Erosion and Sediment Control

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. Bio-logs
 - d. Stabilized pond overflows and
 - e. Maintenance Stabilization of disturbed soil areas

Recommendation

Motion: For the Commission meeting, staff recommends approval of project #2023-029 with the following condition(s):

1. [Standard Condition] Approval is contingent upon payment of all review fees. Additional payment may be required if the review cost exceeds escrow payment(s) submitted by the applicant.
2. The applicant shall provide a Stormwater Maintenance Agreement that is acceptable to the city and the ECWMC within 90 days after the plat is recorded.

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

12/5/2023
Date

Attachments

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

Figure 1 Site Location Map

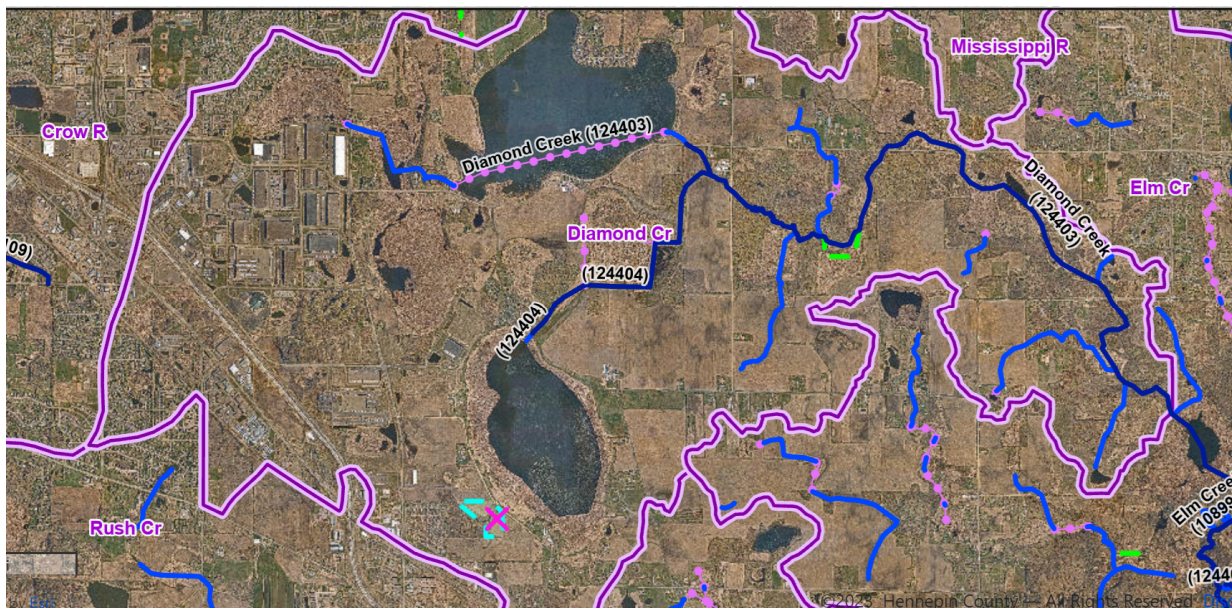


Figure 2 Aerial Imagery

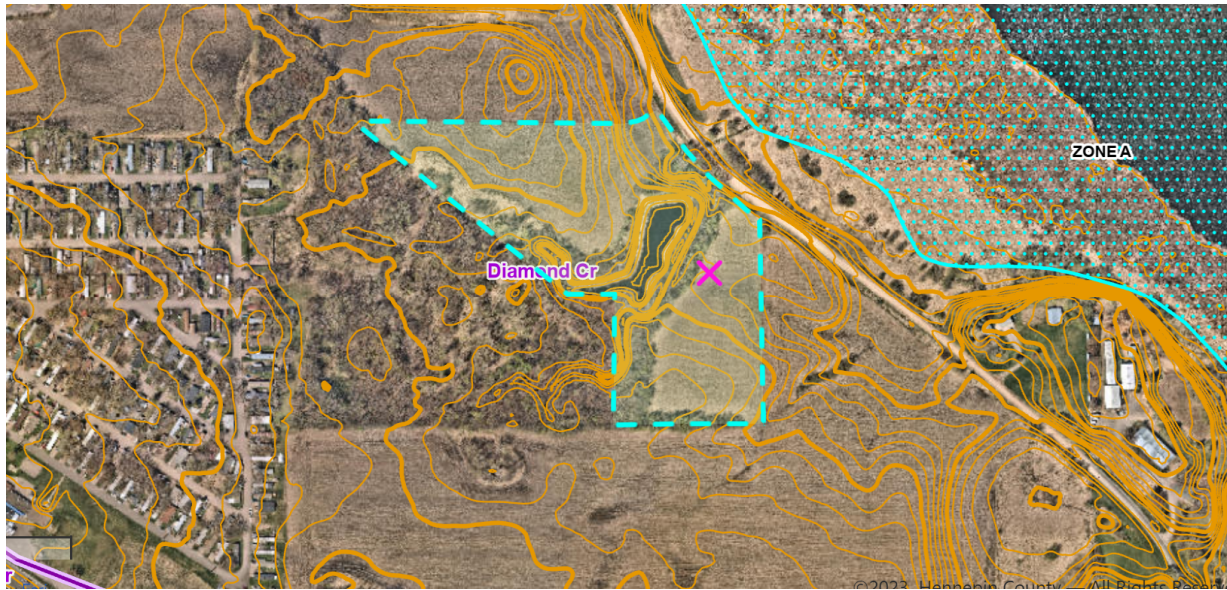
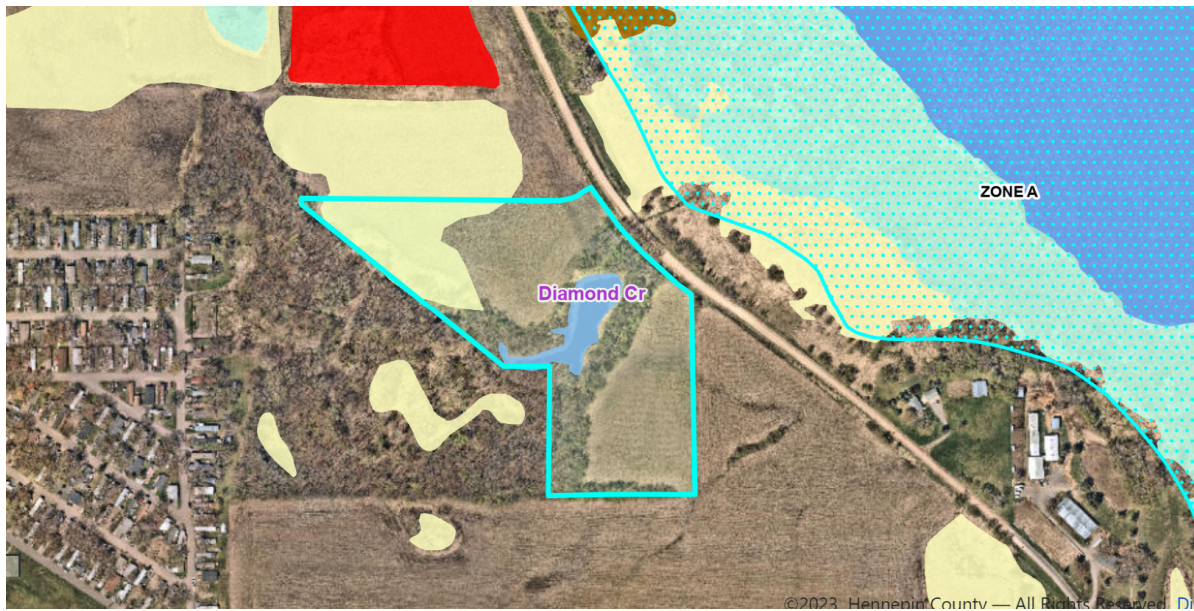


Figure 3 Wetlands on Site



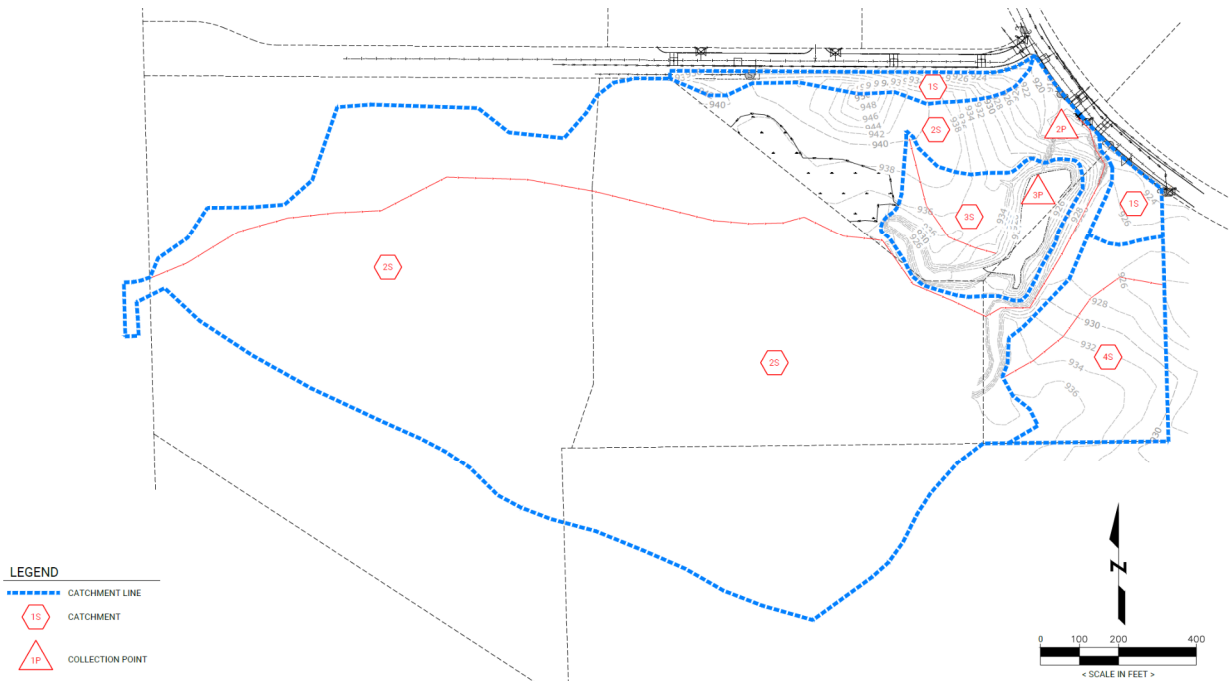


Figure 3 Existing Drainage Pattern Map

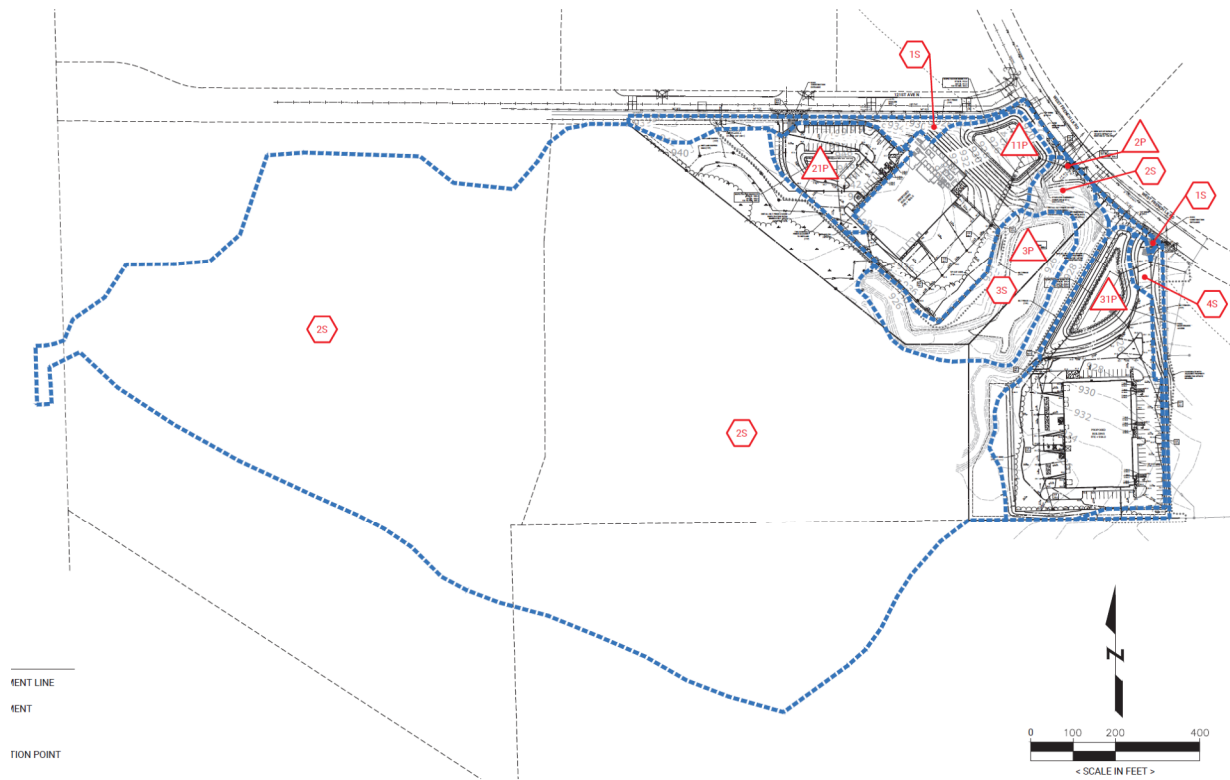


Figure 4 Proposed Drainage Pattern & Grading Plan

elm creek Watershed Management Commission

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

TECHNICAL SUPPORT
Erik R. Megow | erik.megow@stantec.com
James Kujawa | surfacewatersolutions@outlook.com
Rebecca Carlson | rebecca@resilience-resources.com

STAFF REPORT December 6, 2023

- a. 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.
- b. 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 August 29, 2023, Asche reported there is no update for this project.
- c. 2016-005W Ravinia Wetland Replacement Plan, Corcoran.** In December 2016, the Commission approved Staff's recommendations on this wetland replacement plan. Barr Engineering has been 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. Staff are attempting to follow up on the annual reporting.
- d. 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.
- e. 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 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

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

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

Italics indicates new information

indicates enclosure

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 or the City. Once the Commission is informed by the LGU of how the violations will be resolved, Staff can follow up on the outstanding Elm Creek floodplain issues.

f. 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 the water quality deficit has been made up.

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

h. 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 must be approved by the City and the Commission. The agreement must be recorded on the property title. Since the approval, the City 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

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

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

Italics indicates new information

indicates enclosure

six months of this approval. The Commission received a copy of the recorded O&M agreement on November 2, 2021; and (4) erosion and sediment controls must conform to Commission requirements.

i. **2020-032 Enclave Rogers – Commerce Boulevard, Rogers.** This project would create an apartment complex on an undeveloped 3.3-acre site. 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.

j. **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: (1) wetland replacement plans must be approved by the City of Medina (LGU), MN DNR and USACE prior to impacts, (2) provide quantification of the change in flood storage capacity for the one-percent annual chance flood event due to the proposed project, (3) 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, (4) 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.

k. **2021-020 Crew Carwash, Maple Grove.** This project would reconstruct an existing bank building and parking lot on a 1.80-acre parcel into a carwash. The site is located southwest of the intersection of Weaver Lake Road and Elm Creek Boulevard with access from Grove Drive. The disturbance is 1.52 acres, the existing impervious is 1.07 acres, and the proposed impervious is 1.17 acres. Runoff from this site flows into a regional pond on Arbor Lakes Parkway, which ultimately discharges to Rice Lake. The City has stated that the regional pond meets rate control and water quality treatment for the site. The applicant is proposing to use soil amendments to meet the Commission’s volume rules. The Commission approved the project at its June meeting contingent on a maintenance agreement being filed with the City with terms agreeable to the Commission. The outstanding escrow balance has been received. On August 29, 2023, Asche reported there is no update for this project.

l. **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 CR 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. On August

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

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

Italics indicates new information

indicates enclosure

29, 2023, the City reported no update.

m. 2021-034 BAPS Temple, Medina. This project includes construction of a Hindu Temple, dining hall, gymnasium, parking lot and permanent residency for the temple's priest on a 19.7-acre parcel at 1400 Hamel Road which 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 O&M agreement with the City, and (3) a geotechnical report provided to the Commission. On July 21, 2022, the applicant's engineer stated, "The client is holding on[to] construction documents temporarily; once they give us the go-ahead, we will work to finalize the items, likely by this fall [2022]." On November 3, 2022, the Commission was informed that the applicant has amended the site layout and anticipates construction in 2023.

n. 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: (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.

o. 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. On August 30, 2023, the applicant informed the City they will be conducting the testing on August 31, 2023. *The infiltration test results were received by the City on October 25, 2023, and are being reviewed.*

p. 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.

q. 2022-006 Hamel Townhomes, Medina. The proposed project would construct 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, and triggers Rules D and E. In their findings

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

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

Italics indicates new information

indicates enclosure

dated August 2, 2022, Staff recommended approval with two conditions: receipt of an O&M 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 regarding the escrow. The escrow balance has been invoiced and this project will be removed from the report upon its receipt.

r. 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 rates and water quality from two projects: (1) Arrowhead Drive Turn Lane expansion and the future (2) OSI expansion. The projects are being reviewed as a planned development being treated by the proposed basin. 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.

s. 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. At their May 11, 2022 meeting the Commission approved this project with eight conditions per Staff's findings dated May 2, 2022. As of August 30, 2023, only two conditions remain outstanding – the escrow reconciliation and final review of the O&M plan for the stormwater system/irrigation system.

t. 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: (1) escrow fee reconciliation; (2) receipt of updated plans providing appropriate wetland buffer seed mix for any disturbed wetland buffer areas; (3) update the elevation of Device #5 in node 11P (888.60) of the proposed HydroCAD model to be consistent with what is shown on the plan sheets (888.50). Update report and tables if necessary to be consistent with HydroCAD results; (4) provide Notice of Decision forms from BWSR for Wetlands 2, 4, and 5 to confirm that wetland mitigation measures are not needed and that the wetlands are incidental; and (5) submit finalized construction plans prior to construction of the proposed buildings and parking lots. Plans will be needed to confirm that the site does not exceed the proposed impervious surface area (8.77 acres) and that the impervious surfaces are routed to the proposed stormwater improvements.

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

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

Italics indicates new information

indicates enclosure

- u. 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 approved by the LGU. (2) final erosion and sediment control plans meeting the Commission’s requirements. (3) post construction drawdown rates of >3” per hour 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 remain outstanding.
- v 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 by the City of the O&M plan.
- w. 2022-020 Skye Meadows Extension, Rogers.** This is a development on a 45.3-acre parcel that will disturb 44.1 acres and result in 14.1 acres of impervious surface consisting of 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 O&M plan approved by the City. On January 25, 2023, Andrew Simmons reported that the project includes a road vacation that likely will not be approved. The applicant may need to come back for a re-review.
- x. 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 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’s June 1, 2022, findings: (1) reconciliation of project review fees; (2) provide adequate wetland buffer monumentation; (3) raise the low floor elevations of structure to meet Commission’s requirements; (4) provide turbidity barriers at inlets to Cook Lake during construction until site is stabilized; (5) meet outstanding City requirements - maintains a drainage and utility easement for existing and proposed on-site wetlands; and (6) provide a Stormwater Maintenance Agreement that acceptable to the City and the Commission within 90 days after the plat is recorded.

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

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

Italics indicates new information

indicates enclosure

- y. 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.
- z. 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. On August 30, 2023, the Commission was advised that the post-construction tests are still being coordinated; item (2) is completed; and the fee will be reconciled once the test results are received.
- aa. 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 town-house units. It is the second phase of the overall larger 548-unit Tavera housing development encompassing 272 acres. Phase 2 will contain 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) O&M 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.
- ab. 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 ten 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 as the homes are built. 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) 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 O&M 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 the Commission's recommended livestock management policy. Construction was to begin spring/summer 2023 Condition 1 will be verified by the applicant post-construction.

ac. 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) escrow fee reconciliation; (2) an O&M plan 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 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.

ad. 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. In findings dated December 29, 2022, Staff is recommending approval with the following conditions: (1) payment of all review fees; (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 O&M agreement for the stormwater facilities that implement those conditions that bind current and future owners of the project shall be recorded on this property. On August 30, 2023, the Commission was advised that all City requirements have been met and improvements to further dissipate flows at the discharge point have been incorporated. City staff will check in with the owner regarding the status of the documentation of consent.

ae. 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 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.

af. 2023-004 Medina Industrial Site Development, Medina. This proposed industrial development is located on undeveloped property currently being used for agricultural purposes. The project will disturb 23.8 acres of the 26.7-acre site, resulting 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 with four conditions were approved at the Commission's May 10 meeting. Approval is contingent upon (1) final application escrow fee balance; (2) receipt of an operation and maintenance plan that is approved by the City of Medina; (3) receipt of an irrigation layout and pump plan; (4) receipt of grading details showing how the pond, maintenance road, and associated parking and retaining walls work with the proposed grades at the northwest corner of the proposed stormwater pond.

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

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

Italics indicates new information

indicates enclosure

The applicant has provided updated submittals that meet the Commission's requirements. Only the escrow needs reconciliation.

ag. 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 construct 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. Staff's findings dated June 2, 2023, were approved at the June meeting with four conditions. The applicant has provided updated submittals that meet the Commission's requirements and *the escrow has been reconciled. This item will be removed from the report.*

ah. 2023-009 Magnifi Financials, Maple Grove. This project consists of the construction of a building with split-use between a coffee shop and bank with associated parking and utilities. The project will disturb 2.15 acres and result in a decrease in hardcover for the lot. The project triggers Commission Rules D and E. Staff's findings dated June 2, 2023, were approved at the June meeting with three conditions: (1) fee reconciliation; (2) receipt of the O&M agreement; and (3) provision of the OCS 104 details and plans. On August 29, 2023, the City asked the Applicant to follow up on condition 3.

ai. 2023-010 New Fire Station, Rogers. The City of Rogers is planning to construct a new fire station facility, Fire Station 2, at 141st Avenue North. The proposed site includes a new building, parking lots, sidewalks, an access road tying into Northdale Boulevard, and driveways. The project triggers Commission Rules D and E. In their findings dated September 1, 2023, Staff recommended approval conditioned on: (1) escrow reconciliation and (2) receipt of an Operation and Maintenance Plan approved by the City. The Commission approved the project with these conditions at their September 13, 2023, meeting.

aj. 2023-011 Sundance Greens 9th Addition, Dayton. Sundance Development, LLC submitted an application for review of this project. The submittal was received by the Commission on May 30, 2023. The project disturbs 10.6 acres increasing impervious by 2.8 acres for single-family homes. The project relies on existing stormwater approved for previous Sundance Greens Additions and is only an erosion control review request. *Staff provided a Staff-level approval for grading the week of the July Commission meeting where approval of this project was tabled.* Staff's updated findings dated August 1, 2023, granted approval pending (1) escrow reconciliation and (2) receipt of an Operation and Maintenance Plan acceptable to the City and the Commission within 90 days of plat recordation.

ak. 2023-013 River Valley Church, Maple Grove. This project consists of the construction of a single building, bituminous parking lot, stormwater basin, and other associated site improvements on an undeveloped lot located at the southwest corner of Arbor Ridge Parkway and 101st Avenue North. The project triggers the Commission Rules D and E. This item has been reviewed and a finding of facts memo dated June 30, 2023, was approved at the July Commission meeting with two standard conditions. The O&M condition has been met. *Only the outstanding fee remains uncollected.*

al. 2023-014 Bottema Wetland Restoration, Corcoran. This project restores previously drained agricultural lands to wetlands. Ten wetlands in total will be restored during this project, with uplands seeded into prairie. The project is located north of CR 30 and west of Cain Road. The North Fork of Rush Creek flows east through the northeastern portion of the 120-acre parcel. Construction

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

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

Italics indicates new information

indicates enclosure

includes grading/disturbance on three acres of land and erosion control for the 120-acre parcel. There is no current or proposed impervious for this project. The project triggers only Rule E. Staff reviewed the project and approved the erosion control plans and offered several comments to the County regarding the design and future stabilization. *Only the outstanding fee remains uncollected.*

am. 2023-015 South Fork Rush Creek Restoration at Evanswood, Maple Grove. This is a 5,500 lineal foot restoration of the South Fork of Rush Creek beginning 100 feet downstream (north) of 101st Street Avenue North Bridge. The project incorporates restoration and stabilization techniques and includes construction of a minimal impact pedestrian bridge. The project disturbs 14.7 acres and proposes no impervious outside the pedestrian bridge (a linear project, the proposed bridge impervious is less than 1 acre and does not trigger stormwater requirements). The project triggers rules E, F and H. The project was reviewed by Staff who recommend approval with three conditions - the standard fee/escrow condition and two conditions related to the LOMR filing with as-built conditions and the second DNR permit required for work in public waters associated with the pedestrian bridge.

an. 2023-016 Rogers South Community Park Improvements. This project consists of the disturbance of approximately 14.1 acres over three parcels totaling 34.3 acres to construct park improvements and a re-use irrigation system. Impervious surface within the disturbed area will increase from 0.24 acres to 3.36 acres. The project occurs on three parcels northwest of the Territorial Road and Main Street intersection, adjacent to the Rogers Elementary School (School District No. 728). The project triggers Commission rules D, E and I. This item was approved at the September meeting with two conditions contained in their findings dated August 1, 2023: (1) escrow reconciliation and (2) receipt of an operations and maintenance agreement between the City of Rogers and the School District.

ao. 2023-017 Veit Pit Sand Gravel Mine, Rogers. This project consists of temporary redevelopment for sand and gravel mining and processing operations. The project disturbs approximately 11.9 acres of farmland and woodland located southwest of the intersection of 141st Avenue and Willandale Road. The project triggers the Commission rules D, E and I. This item was approved at the September 13, 2023, meeting with two conditions as cited in their September 6, 2023, findings: (1) escrow reconciliation and (2) receipt of an operations and maintenance approved by the City of Rogers.

ap. 2023-018 Brayburn Trails II, Dayton. The developer is proposing 145 single family home lots and public roads on a 58.53-acre site. The project adds 20.2 acres of new impervious (a total of 20.8 acres of impervious) and disturbs 55 acres. The proposed development is located south of 117th Avenue North, on the west side of Fernbrook Lane, north of Rush Creek and southeast of French Lake. The project triggers Rules D and E and meets those requirements through NURP ponds with filtration benches and erosion control. This project was on the September Commission meeting agenda for approval; however, the applicant provided a significant revision of the project the Friday night before the Commission meeting leaving Staff with inadequate time to review proposed changes. The applicant was notified verbally of a 60-day extension on the day of the Commission meeting. The formal extension was sent via email October 4, 2023. The new deadline for review is December 3, 2023. Staff recommends approval with the standard escrow condition and maintenance agreements and that the applicant meet the volume management rule and the LFE rule with adequate submittals by October 6. Only the first two conditions remain unfulfilled.

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

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

Italics indicates new information

indicates enclosure

aq. 2023-019 23240 County Road 30, Corcoran. This project proposes an aggregate surface for staging construction equipment, adding 2.35 acres of new impervious (for a post project total of 2.97 acres of impervious). The project will disturb 5.3 acres through grading, installation of a stormwater basin, stabilizing off site drainage, on site drainage management and erosion control. The 9.46-acre parcel is located on the north side of 97th Avenue North (CSAH 30) and east of CSAH 19. The project triggers Rules D and E. Applicant proposes a NURP pond with filter bench to meet the water quality and rate control and abstraction requirements through filtration along with standard erosion control. In their findings dated September 5, 2023, Staff recommends approval conditioned on (1) escrow reconciliation, (2) provision of a signed agreement from the adjacent landowner and the City for any off-site grading or drainage, and (3) provision of a Stormwater Maintenance Agreement that is acceptable to the City and the Commission within 90 days after the plat is recorded. The Commission approved Staff findings with those conditions at the September 13, 2023, meeting.

ar. 2023-020 Dunkirk Square, Maple Grove. This project consists of a proposed redevelopment that will disturb 1.53 acres of existing retail parking lot on a portion of Dunkirk Square at the southeast of the intersection of Maple Grove Parkway and 94th Avenue. The project will redevelop retail parking into a new parking area and a Popeye’s Restaurant, triggering Commission Rules D and E. A finding of facts memo dated September 1, 2023, included Staff’s recommendation for approval conditioned on (1) escrow reconciliation, (2) provision of details for orifices and weirs for underground detention, and (3) provision of a Stormwater Maintenance Agreement acceptable to the City and the Commission. The Commission approved Staff findings with those conditions at the September meeting.

as. 2023-021 Park Place Memory Care Phase II, Plymouth. The proposed development will disturb 1.4 acres of a previously developed memory care facility at the northwest of the intersection of Medina Road and County Road 101. The project consists of site expansion, construction of an additional building, parking, and trails which triggers Commission rules D and E. This item has been reviewed and a finding of facts memo dated September 1, 2023, was included in the September meeting packet recommending approval conditioned upon escrow reconciliation. *The escrow overage has been refunded and this project will be removed from the report.*

at. 2023-022 Shores of Sylvan Lake, Rogers. This project consists of the redevelopment of an existing farmstead into five (5) large lots on Sylvan Lake. The project triggers Commission rules D, E and I. This item has been reviewed by Staff and a finding of fact memo dated October 3, 2023, is included in the October Commission packet. This item was approved at the October meeting with two conditions: (1) escrow reconciliation and (2) provision of a Stormwater Maintenance Agreement acceptable to the City and the Commission.

au. 2023-023 Norsq, Maple Grove. This project consists of a 23.2-acre development on a 78.9-acre property located on Garland Lane, east of Lawndale Lane and north of 95th Avenue North. The proposed development consists of an apartment building, a commercial building, and townhomes. Along with the buildings, there will be amenities and associated street and utility infrastructure. The project triggers Rules D, E, F, G, H, and I. A finding of facts memo dated October 31, 2023, included Staff’s recommendation for approval conditioned on (1) escrow reconciliation, (2) provision of a Storm-

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

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

Italics indicates new information

indicates enclosure

water Maintenance Agreement acceptable to the City and the Commission. *This project was approved at the November meeting with those conditions.*

av. 2023-024 Elm Creek Rest Area Sidewalk Reconstruction, Maple Grove. The proposed project is located at the Elm Creek Rest Stop along I-94, directly west of Rice Lake. The proposed project will disturb 4.3 acres and consists of the reconfiguration/replacement of concrete walkways, parking area, and deck area. The project also includes the construction/relocation of a pet exercise area as well as various picnic areas. The project triggers Rules D and E. A finding of facts memo dated November 1, 2023, included Staff's recommendation for approval conditioned on (1) escrow reconciliation. *At the November meeting the project was approved with that condition and a second condition, provision of a BMP (i.e., infiltration/biofiltration) and Plan (installation of pet waste pick-up bags and dispenser) for the pet area as it drains to an impaired water (Elm Creek). Since approval, the applicant has provided additional information to satisfy the latter condition. Therefore, after reconciliation of the escrow, the project can be removed from the Staff Report.*

aw. 2023-025 Rogers Mixed-Use Improvements, Rogers. *The applicant is redeveloping a 1.94-acre parcel in Rogers, MN and triggering Commission Rules D and E. The proposed development is located at the northwest corner of main street (CR 150) and Church Avenue and is bordered by John Deere Lane on the North and the Burlington Northern Railroad on the southwest. The parcel lies in the watershed draining north to The Crow River. Duffy Development Company, Inc. is proposing a mixed-use development to replace the existing industrial/commercial land use. Existing land use consists of both consolidated and unconsolidated bituminous parking with buildings. In addition to eliminating the unconsolidated bituminous parking (which can reduce sediment loads downstream significantly), the applicant proposes increasing pervious area by 7,841 square feet (0.18 acres). The project includes sub-surface stormwater facilities and a commercial filtration system to achieve Commission requirements. There are contaminated soils on site. The MPCA has reviewed and approved the applicant's construction plans to mitigate contamination exposure during construction. In their findings dated November 21, 2023, Staff recommend approval of this project with the standard escrow and stormwater maintenance agreement conditions.*

ax. 2023-026 2024 Rogers Elementary School Site improvements. *The proposed project site is at the Rogers Elementary STEM Magnet School located at 12521 Main Street. The project is proposed on a 24.7-acre site and will disturb 1.48 acres in order to construct a separate parent drop-off area and a bus drop-off area near the main entrance to the school on the east side of the existing building. The project also includes the construction of two filtration basins that will provide stormwater management for the proposed project. The project triggers Rules D and E. The latest round of re-submittals were received on December 6, 2023 and were unable to be reviewed for the December Commission Packet deadline.*

ay. -2023-027 500 Hamel Apartments, Medina. *The project is proposed on an undeveloped 6.73-acre site and will disturb 4 acres to construct an 89-unit residential building including utilities, paved parking, sidewalks, and a small onsite stormwater management basin. The proposed project site is west of Elm Creek and south of Highway 55 at 500 Hamel Road. The project triggers Rules D, E, and I. A finding of facts memo dated December 6, 2023, includes Staff's recommendation for approval conditioned on (1) escrow reconciliation.*

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

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

Italics indicates new information

indicates enclosure

az. 2023-028 Rush Creek Hollow, Maple Grove. *The project proposes a 3.8-acre development of residential single-family properties with seven new lots and approximately 500 linear feet of new street with bituminous pavement and curb and gutter. The project is located at 18001 101st Avenue North. The project triggers Rules D, E and I. An initial review of the project has commenced, and initial comments have been sent to the applicant. No staff recommendation is prepared at this time.*

ba. 2023-029 Dayton Field 4th Addition, Dayton. *This 15.05-acre site is located southwest of the intersection of West French Lake Road and 121st Avenue North. Currently the land is a combination of wetlands, agricultural land and wooded areas draining to French Lake. The applicant proposes construction of two office warehouses (38,200 square feet and 40,200 square feet respectively) with associated driveways, parking and stormwater management facilities on the 15.05-acre parcel, triggering Rules D, E, G and I. The proposed project disturbs 10.5 acres, creating 5.639 acres of new impervious. The parcels drains a total of 55.5 acres, primarily to the northeast to French Lake and then Diamond Creek. Three biofiltration ponds with iron enhanced sand filters provide for rate control, water quality, and filtration volumes over the D soils site. In their findings dated December 5, 2023, Staff recommend approval of this project with the standard escrow and stormwater maintenance agreement conditions.*

bb. 2023-030 Woodland Hill of Corcoran. *A rule E application for this project was received December 5, 2023. The project entails stockpiling in two locations on a parcel located at the northeast corner of Hackamore Road and CSAH 16. Staff are determining the completeness of the submittal. No added impervious is proposed at this time.*

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

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

Italics indicates new information

indicates enclosure

HENNEPIN COUNTY

MINNESOTA

DATE: December 5, 2023

TO: Elm Creek Watershed Management Commission (ECWMC)

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

RE: December ECWMC Updates

Christian Settling Basin (Dayton)

Hennepin County staff completed an assessment of the wetland, and potential pollution reductions of the project. This information was presented to representatives of the City of Dayton, the Minnesota DNR, and the Board of Water and Soil Resources as a part of a pre-TEP meeting. Staff answered questions regarding the siting of the project as well as temporary and permanent impacts to the DNR wetland. This information is currently under review and recommended permits and exemptions will be applied for.

Stotts 1B and Top of Hill Waterway

Engineering firm (EOR) returned the plans for the modified WASCOB moved closer to the property line at the landowner's request. However, there were some concerns with the height of the berm and potential flows during 100-year rain events. Staff are currently getting feedback from landowner and neighbor to determine siting of a spillway for the WASCOB. Repairs some of the erosion on the top of hill waterway that occurred after installation due to a hillside seep will be made later in the month of December.

Van Asten Manure Bunker

Hennepin County surveyed the property and returned topographic points to engineering firm (EOR) for waterway, basin, and manure bunker design. Hennepin County calculated estimated annual manure production for the property (1,825 cubic feet per year) and has provided feedback on potential roof for the manure bunker. Landowner participated in the Soil Health Incentive Program and planted



cereal rye as a winter cover crop. That cover crop has germinated and is actively growing.

Bottema Wetland Restoration

Significant erosion was found downstream of one of the wetlands restored last year. This erosion was likely caused by a lack of vegetation establishment due to the very hot and dry summer and early fall we experienced this year. Staff consulted with the engineer on the project (Houston Engineering) and determined the best approach would be to establish a more controlled outlet structure to better convey overflow from the wetland downstream and to avoid future gullies. County staff and Houston Engineering developed the preliminary design configuration and are working to get a cost estimate to implement them. As the substantial construction work to restore wetlands this year was completed under budget, sufficient project budget remains to complete work without utilizing additional WBIF or ECWMC CIP funds.

Invoices

Invoices for Q3 and Q4 have been submitted. Please note that the Q4 invoice is specifically for projects costs and does not include staff time for the fourth quarter of 2023. This will be included at a later date after all hours are accounted for in 2023.

HENNEPIN COUNTY

MINNESOTA

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	Installed and Complete (2023)	4.8	-	\$6,419.86	<i>\$57,675</i>	<i>\$1,141.67</i>	-	-	-	<i>\$31,721.25</i>	<i>\$14,418.75</i>	<i>\$5,767.50</i>	<i>\$5,767.50</i>
	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 WASC0B & Waterway	WASC0B & 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 WASC0B	WASC0B	Prelim. design complete	TBD ±	TBD	\$8,559.82	<i>\$20,600</i>	TBD	TBD	-	-	<i>\$9,270</i>	<i>\$5,150</i>	<i>\$2,060</i>	<i>\$2,060</i>
	Bottema Restorations	Wetland and Prairie Restoration	Installed	14.2	-	-	<i>\$124,000</i>	\$932.86	-	-	-	<i>\$68,200</i>	<i>\$31,000</i>	<i>\$6,200</i>	<i>\$18,600</i>
	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	Welcome Ranch Manure Bunker/	Manure Bunker, Fencing, HUAP, Barn Drainage	Design	TBD	TBD	-	TBD	TBD	TBD	TBD		TBD	TBD	TBD	TBD
	Van Asten Manure Bunker	Manure Bunker	Cost-Benefit Analysis	TBD	TBD	<i>\$6,419.86</i>	<i>\$36,900</i>				-	<i>\$20,295</i>	<i>\$9,225</i>	<i>\$3,690</i>	<i>\$3,690</i>
	Christian Settling Basin	Sediment Settling Basin	Wetland Delineation	<i>7.89</i>	<i>8.38</i>	<i>TBD</i>	<i>\$11,777</i>	<i>\$171.66</i>	<i>\$161.62</i>		-	<i>\$6,477.35</i>	<i>\$2,944.25</i>	<i>\$1,177</i>	<i>\$1,177</i>
								Total Encumbered:				\$129,486.25	\$91,486.83	\$22,406.03	\$48,120.53
								ECWMC Funding:				\$175,000	\$100,000	-	-
								Remaining:				\$45,513.75	\$8,513.18	-	-

* 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

MINNESOTA

Other Hennepin County Programming

Aquatic Invasive Species Grants

Local government agencies, nonprofit organizations, institutions, and businesses in Hennepin County can apply now for funding to implement projects that prevent the spread of aquatic invasive species.

Grant funding can be used to address pathways of aquatic invasive species introduction, provide education, promote behavior change, implement early detection and rapid response efforts, and pursue other ideas that prevent the spread of aquatic invasive species.

Applications are due by Thursday, January 11, 2024.

For more information, contact Tony Brough at tony.brough@hennepin.us or 612-348-4378.

